

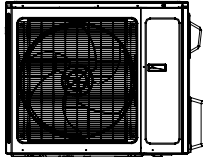
Standard Accessories

Table GEO-23-A — Accessories

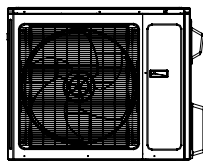
Model Number	Description
GL Flow Centers and Accessories	
Pre-assembled with pump(s), 3-way valves with flush ports, internal components injected with foam. Horizontal or vertical mounting capability. GL features a Die Cast Brass valve and pump volute, high-impact polystyrene cabinet, GL5PES, and uses GeoLink Connection Kits.	
FC1-GL	1 Grundfos Pump
FC2-GL	2 Grundfos Pumps
2 Brass adapters with P/T plugs for unit connection, 10' reinforced 1" rubber hose for unit to flow center and two 1" GL x 1" hose barb for flow center connection.	
CK4L-GLI	Unit Connection Kit 1" GL x 1" Insert
Rubber Hose	
1" rubber hose for connection from unit to flow center.	
RH550	50' of 1" Rubber Hose
Geo Storage Tank	
Use with Hot Water Generator Option or Hydronic Storage.	
GEO-STORAGE- 80	63 ¹ / ₄ x 24
GEO-STORAGE-120	63 ¹ / ₄ x 28
Loop Expansion Tank	
LET	1 ¹ / ₄ Socket Fusion, ³ / ₄ Gallon Capacity
Anti-Freeze	
EN2-D	55 Gallon Drum - Environol 2000 Pure
EN2-P	5 Gallon Pail - Environol 2000 Pure (minimum order quantity for EN2-P is 5 pails.)
IntelliZone2-24V with Master Stat 4 Zone Control - with Cabinet and 10' Blower Wiring Harness	
IntelliZone2-24V	Non communicating Zone system that operates on typical 24VAC outputs. Multiple level zone calls communicate exact zone load requirements. Controls up to 4 zones w/dual capacity compressor, and 2 w/single-speed compressor. Zone sizes as small as 25% of whole house. Individual zone selectable economy or comfort mode. Separate staging options for heating and cooling. Kit includes - IntelliZone2-24V conversion board, IntelliZone2 relay board, Communicating MasterStat and outdoor temperature sensor.
ZoneStat	Zone Thermostat
SensorStat	Zone Sensor Thermostat
Z2TK	Zone Transformer Kit - 208/240V - 24V
Earth Loop Flushing System^①	
High volume, high head, self-priming pump. Quick connect hoses. Heavy duty design. Mounted on a cart. All pipe is schedule 80 polypropylene.	
LFC-F	
GL-FP	1" Cam Lever Male Elbow for Flush Port.
Adapter Sets	
2 pcs. included in each set.	
92B025-99	Unit Connector Insulation Kit.
GLGH	Garden Hose Adapter for Loop Pump Replacement.
Service Tool Kit	
Includes 0-100 PSI Pressure Gauge, Pressure Gauge to PT Port Adapter, Digital Thermometer, Loop Pressurizer, Alcohol Specific Gravity Hygrometer.	
GEO THERMAL-STK	99P247A01, LP1, CAMT, 11P538A01, 11P538A02 (Includes DPT160, PG100, GA125)
IntelliStart Kit	
Soft start retrofit kit, reduces locked rotor amps, reduces light flicker, compressor voltage protection	
IS60RKS	Up to 2.5 Ton Unit
IS60RKL	3 Ton and Larger

Ductless Single Zone System

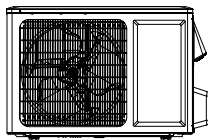
Single Phase – ¾ - 3 Tons

**4TXK38****4MXW38****Table DU-1-A — 38 Series R-410A Single Zone System HP — Single Phase, ¾ to 2 Ton①**

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
Indoor Model Number			W	D	H					OD Gas	OD Liq.
4TXK3809A10NUA	208-230/1/60	9,000	35.4	14.9	23.5	105.8	53	9	15	1/2	1/4
4MXW3809A10NUA	208-230/1/60		39.2	8.9	11.9	36.4	19-44			1/2	1/4
4TXK3812A10NUA	208-230/1/60	12,000	35.4	14.9	23.5	105.8	53	9	15	1/2	1/4
4MXW3812A10NUA	208-230/1/60		39.2	8.9	11.9	36.4	22-49			1/2	1/4
4TXK3818A10NUA	208-230/1/60	18,000	39.4	16.8	31.1	152.1	59	22	30	5/8	1/4
4MXW3818A10NUA	208-230/1/60		43.3	9.8	12.9	44.1	34-51			5/8	1/4
4TXK3824A10NUA	208-230/1/60	22,000	39.4	16.8	31.1	152.1	59	22	35	5/8	1/4
4MXW3824A10NUA	208-230/1/60		43.3	9.8	12.9	44.1	37-52			5/8	1/4

**4TXK27****4MXW27****Table DU-1-B — 27 Series R-410A Single Zone System HP — Single Phase, ¾ to 2 Ton①**

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
Indoor Model Number			W	D	H					OD Gas	OD Liq.
4TXK2709A10N0A	208-230/1/60	9,000	35.4	14.9	23.5	91.5	49	10	15	1/2	1/4
4MXW2709A10N0A	208-230/1/60		34.1	8.2	11.5	30.9	23-42			1/2	1/4
4TXK2712A10N0A	208-230/1/60	12,000	35.4	14.9	23.5	91.5	49	10	15	1/2	1/4
4MXW2712A10N0A	208-230/1/60		34.1	8.2	11.5	30.9	24-44			1/2	1/4
4TXK2718A10N0A	208-230/1/60	18,000	37.6	15.6	27.6	119.0	56	15	20	5/8	1/4
4MXW2718A10N0A	208-230/1/60		40.0	9.1	12.6	38.6	33-51			5/8	1/4
4TXK2724A10N0A	208-230/1/60	24,000	38.6	16.8	31.1	165.3	59	20	30	5/8	1/4
4MXW2724A10N0A	208-230/1/60		46.4	10.4	12.8	47.4	38-52			5/8	1/4

**4TXK85****4MXW85****Table DU-1-C — 85 Series R-410A Single Zone System HP — Single Phase, ¾ to 3 Ton①**

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
Indoor Model Number			W	D	H					OD Gas	OD Liq.
4TXK8509A10N0C	208-230/1/60	9,000	33.4	12.6	21.3	90.3	50	10	15	3/8	1/4
4MXW8509A10N0C	208-230/1/60		33.3	7.1	10.8	28.6	32-42			3/8	1/4
4TXK8512A10N0C	208-230/1/60	12,000	33.4	12.6	23.2	96.9	52	10	15	3/8	1/4
4MXW8512A10N0C	208-230/1/60		33.3	7.1	10.8	28.6	33-44			3/8	1/4
4TXK8518A10N0C	208-230/1/60	18,000	37.6	15.6	27.6	110.1	55	16	20	1/2	1/4
4MXW8518A10N0C	208-230/1/60		37	7.9	11.7	37.4	35-49			1/2	1/4
4TXK8524A10N0C	208-230/1/60	21,400	38.6	16.8	31.1	145.3	58	16	20	5/8	1/4
4MXW8524A10N0C	208-230/1/60		39.6	8.6	12.4	46.2	37-53			5/8	1/4
4TXK8536A10N0C	208-230/1/60	33,600	38.6	16.8	31.1	170	65	23	35	5/8	1/4
4MXW8536A10N0C	208-230/1/60		53.1	10	12.8	59.5	53-59			5/8	1/4

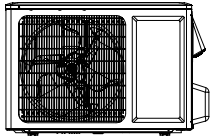
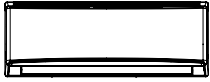
① Refer to the AHRI Directory for certified combinations and product performance.

* Information subject to change. Please confirm with current Product Data for current factory production.

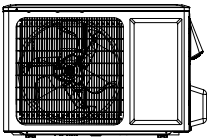
** Sound Pressure Level @3.3 ft. dB (A)

Ductless Single Zone System

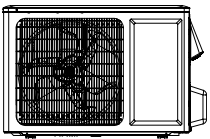
Single Phase – ¾ - 2 Tons

**4TXK23****4MXW23****Table DU-2-A — 23 Series R-410A Single Zone System HP — Single Phase, ¾ to 3 Ton^{①③}**

Outdoor Model Number Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TXK2309A10N0A 4MXW2309A10N0A	208-230/1/60	9,000									
4TXK2312A10N0A 4MXW2312A10N0A	208-230/1/60	12,000									
4TXK2318A10N0A 4MXW2318A10N0A	208-230/1/60	18,000									
4TXK2324A10N0A 4MXW2324A10N0A	208-230/1/60	24,000									
4TXK2330A10N0A 4MXW2330A10N0A	208-230/1/60	30,000									
4TXK2336A10N0A 4MXW2336A10N0A	208-230/1/60	36,000									

**4TXK16****4MXW16****Table DU-2-B — 16 Series R-410A Single Zone System HP — Single Phase, ¾ to 2 Ton^{①②}**

Outdoor Model Number Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TXK1609A10N0A 4MXW1609A10N0A	208-230/1/60	9,000	30.6	12.6	21.3	70.6	52	9	15	3/8	1/4
4TXK1612A10N0A 4MXW1612A10N0A	208-230/1/60	12,000	30.6	12.6	21.3	75	53	9	15	3/8	1/4
4TXK1618A10N0A 4MXW1618A10N0A	208-230/1/60	18,000	37.6	15.6	27.6	105.8	56	16	25	1/2	1/4
4TXK1624A10N0A 4MXW1624A10N0A	208-230/1/60	22,000	37.6	15.6	27.6	120.2	59	16	25	5/8	1/4
			42.4	9.7	12.8	45.2	36-48			5/8	1/4

**4TYK16****4MYW16****Table DU-2-C — 16 Series R-410A Single Zone System AC — Single Phase, ¾ to 2 Ton^{①②}**

Outdoor Model Number Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TYK1609A10N0A 4MYW1609A10N0A	208-230/1/60	9,000	30.6	12.6	21.3	71.7	52	9	15	3/8	1/4
4TYK1612A10N0A 4MYW1612A10N0A	208-230/1/60	12,000	30.6	12.6	21.3	76.1	53	9	15	3/8	1/4
4TYK1618A10N0A 4MYW1618A10N0A	208-230/1/60	18,000	37.6	15.6	27.6	100.3	56	16	25	1/2	1/4
4TYK1624A10N0A 4MYW1624A10N0A	208-230/1/60	22,000	37.6	15.6	27.6	113.6	59	15	25	5/8	1/4
			42.4	9.7	12.8	45.2	36-48			5/8	1/4

① Refer to the AHRI Directory for certified combinations and product performance.

② Do not install a 4T*K65 outdoor unit with a 4M*W16 indoor unit or a 4T*K16 outdoor unit with a 4M*W65 indoor unit.

③ Values not available at time of printing. Online handbook section will be updated at time of product launch.

* Information subject to change. Please confirm with current Product Data for current factory production.

** Sound Pressure Level @3.3 ft. dB (A)

Ductless Single-Zone Units

Table DU-3-A — Features

	4TXK38 Single Zone HP up to 38 SEER	4TXK27 Single Zone HP up to 27 SEER	4TXK85 Single Zone HP 18 SEER	4TXK16 Single Zone HP 16 SEER	4TYK16 Single Zone AC 16 SEER
• R410-A refrigerant.....	✓	✓	✓	✓	✓
• Nominal capacity 9-24 MBH	✓	✓	—	✓	✓
• Nominal capacity 9-36 MBH	—	—	✓	—	—
• Cooling efficiency 16 SEER	—	—	✓	✓	✓
• Cooling efficiency range 16-22 SEER.....	—	—	—	—	—
• Cooling efficiency range up to 27 SEER.....	—	—	—	—	—
• Cooling efficiency range up to 38 SEER.....	✓	—	—	—	—
• Heating efficiency range 8.2-15 HSPF.....	✓	✓	✓	✓	—
• Heat Pump	✓	✓	✓	✓	—
• Crankcase heater	9K,12K	9K,12K(optional) 9K,12K(optional)	9K,12K,36K 18K,24K,36K	—	—
• Pan heater	✓	—	—	✓	—
• Cooling only	—	—	—	—	✓
• Low sound level.....	✓	✓	✓	✓	✓
• Blue fin anti-corrosion treatment	✓	✓	✓	✓	✓
• Energy Star qualified.....	✓	✓	—	—	—
• ETL and AHRI listed.....	✓	✓	✓	✓	✓
• Sleep mode function	✓	✓	✓	✓	✓
• Memory reset function	✓	✓	✓	✓	✓
• Low ambient cooling to 0°F.....	✓	✓	✓	✓	✓
• Low ambient heating to -4°F.....	✓	✓	—	✓	—
• Low ambient heating to -22°F.....	✓	—	—	—	—
• Improved air quality with active carbon and catechin filters.....	✓	✓	✓	✓	✓
• Registered limited warranty 10-year on all functional parts ①..	✓	✓	✓	✓	✓
• Optional extended warranties available through third parties..	✓	✓	✓	✓	✓

① Registered Limited Warranty terms are available when these products are registered within 60 days of installation. Registration can be done online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

Table DU-3-B — Optional Outdoor Unit Accessories

Model Number	Description	4TXK38 Single Zone HP up to 38 SEER	4TXK27 Single Zone HP up to 27 SEER	4TXK85 Single Zone HP 18 SEER	4TXK16 Single Zone HP 16 SEER	4TYK16 Single Zone AC 16 SEER
TAYREFLN050	Lineset Kit 1/4 x 3/8 - 25'	—	—	✓	✓	✓
TAYREFLN055	Lineset Kit 1/4 x 3/8 - 35'	—	—	✓	✓	✓
TAYREFLN060	Lineset Kit 1/4 x 3/8 - 50'	—	—	✓	✓	✓
TAYREFLN560	Lineset Kit 1/4 x 1/2 - 25'	✓	—	✓	✓	✓
TAYREFLN565	Lineset Kit 1/4 x 1/2 - 35'	✓	—	✓	✓	✓
TAYREFLN570	Lineset Kit 1/4 x 1/2 - 50'	✓	—	✓	✓	✓
TAYREFLN155	Lineset Kit 1/4 x 5/8 - 25'	✓	—	—	—	—
TAYREFLN160	Lineset Kit 1/4 x 5/8 - 35'	✓	—	—	—	—
TAYREFLN165	Lineset Kit 1/4 x 5/8 - 50'	✓	—	—	—	—

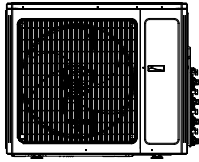
Table DU-3-C — Optional Indoor Unit Accessories

Model Number	Description	4MXW38 Single Zone Indoor 38 SEER	4MXW85 & 27 Single Zone Indoor 18 & 27 SEER	4MXW16 Single Zone Indoor 16 SEER	4MYW16 Single Zone Indoor 16 SEER
BAYFTHW01P2A	Active Carbon & Catechin filters (9 & 12 MBH) 16 SEER units.	—	—	✓	✓
BAYFTHW02P2A	Active Carbon & Catechin filters (18 & 24 MBH) 16 SEER units and 9, 12, 18 & 24 MBH 18, 27 & 38 SEER units	✓	✓	✓	✓
BAYFTHW03P2A	Active Carbon & Catechin filters for 36 MBH 18 & 27 SEER units	—	—	✓	✓
AREMOT2AHANDAA	Wireless controller	✓	✓	✓	✓
TREWIRE1AHANDAA	Wired Controller (not compatible with 4MXW85 14th digit B models)	✓	✓	✓	✓
AREPROG1AHANDAA	Programmable wired controller	✓	✓	✓	✓

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Ductless Multi-Zone System

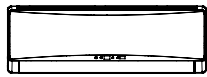
Single Phase – 1½ - 3½ Tons



4TXM22

Table DU-4-A — R-410A 22 Series Multi-Zone System HP — Single Phase, 1½ to 3½ Ton^{①②③}

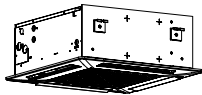
Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Fitting Size (in)		No of Circuits
			W	D	H					OD Gas	OD Liq.	
4TXM2218A12N0A	208-230/1/60	18,000	37.6	15.6	27.6	124.6	55	16	25	3/8	1/4	2
4TXM2221A13N0A	208-230/1/60	21,000	38.6	16.8	31.1	164.3	59	23	30	3/8	1/4	3
4TXM2224A14N0A	208-230/1/60	24,000	38.6	17.3	31.1	167.6	59	20	30	3/8	1/4	4
4TXM2230A15N0A	208-230/1/60	30,000	42.8	17.3	43.4	216.1	61	23	35	3/8	1/4	5
4TXM2236A15N0A	208-230/1/60	34,000	42.8	17.3	43.4	216.1	61	26	35	3/8	1/4	5
4TXM2242A15N0A	208-230/1/60	42,000	42.8	17.3	43.4	216.1	61	26	35	3/8	1/4	5



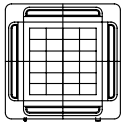
4MXW27

Table DU-4-B — R-410A Multi-Zone High Wall System HP — Single Phase^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MXW2709A10N0A	208-230/1/60	9,000	34.1	8.2	11.5	30.9	23-42			1/2	1/4
4MXW2712A10N0A	208-230/1/60	12,000	34.1	8.2	11.5	30.9	24-44			1/2	1/4
4MXW2718A10N0A	208-230/1/60	18,000	40.0	9.1	12.6	38.6	33-51			5/8	1/4
4MXW2724A10N0A	208-230/1/60	24,000	46.4	10.4	12.8	47.4	38-52			5/8	1/4



4MXC85



4MXL85

Table DU-4-C — R-410A Multi-Zone System Cassette HP — Single Phase^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MXC8512A10N0A	208-230/1/60	12,000	22.4	22.4	9.1	50.7	37-46			3/8	1/4
4MXC8518A10N0A	208-230/1/60	14,400	22.4	22.4	9.1	50.7	37-46			1/2	1/4
4MXC8524A10N0A	208-230/1/60	22,800	33.1	33.1	9.5	83.8	35-39			5/8	3/8

Cassette Cover Panels (must be ordered separately)

Model Number	Description	Matches Cassette HP Model(s)
4MXL8518A10N0A	Cover Panel 25.59 x 25.59 x 1.97	4MXC8512 & 4MXC8518
4MXL8524A10N0A	Cover Panel 37.40 x 37.40 x 2.36	4MXC8524

Table DU-4-D — R-410A Multi-Zone System Console HP — Single Phase^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MXF8509A10N0A	208-230/1/60	9,000	27.6	23.6	8.5	39.7	25-36			3/8	1/4
4MXF8512A10N0A	208-230/1/60	12,000	27.6	23.6	8.5	39.7	27-38			3/8	1/4
4MXF8518A10N0A	208-230/1/60	18,000	27.6	23.6	8.5	39.7	33-44			1/2	1/4

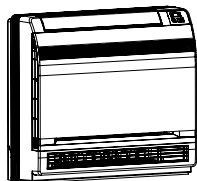
^① Refer to the AHRI Directory for certified combinations and product performance.

^② Because of limited capabilities, please refer to the product ratings for approved combinations.

^③ Capacity varies depending on the indoor unit matches.

* Information subject to change. Please confirm with current Product Data for current factory production.

** Sound Pressure Level @3.3 ft. dB (A)



4MXF85

Ductless Multi-Zone System Single Phase – 1½ - 3½ Tons

**4MXD85****4MXX85****Table DU-5-A — R-410A Multi-Zone System Ceiling Concealed HP — Single Phase①**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MXD8509A10N0A	208-230/1/60	8,500	27.6	24.2	7.9	59.5	19-27			3/8	1/4
4MXD8512A10N0A	208-230/1/60	11,900	27.6	24.2	7.9	63.9	30-39			3/8	1/4
4MXD8518A10N0A	208-230/1/60	15,300	35.4	24.2	7.9	79.4	30-41			1/2	1/4
4MXD8521A10N0A	208-230/1/60	20,400	43.3	24.2	7.9	90.4	32-42			5/8	3/8
4MXD8524A10N0A	208-230/1/60	23,800	43.3	24.2	7.9	90.4	32-42			5/8	3/8

Table DU-5-B — R-410A Multi-Zone System Floor/Ceiling HP — Single Phase①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MXX8509A10N0A	208-230/1/60	8,500	48.0	27.6	8.9	110.2	33-40			3/8	1/4
4MXX8512A10N0A	208-230/1/60	11,900	48.0	27.6	8.9	110.2	33-40			3/8	1/4
4MXX8518A10N0A	208-230/1/60	17,000	48.0	27.6	8.9	110.2	38-45			1/2	1/4
4MXX8524A10N0A	208-230/1/60	22,800	48.0	27.6	8.9	119	29-48			5/8	3/8

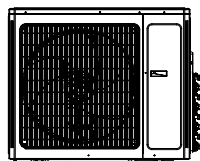
① See AHRI for allowable combinations and ratings.

* Information subject to change. Please confirm with current Product Data for current factory production.

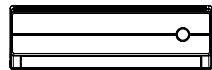
** Sound Pressure Level @3.3 ft. dB (A)

Ductless Multi-Zone System

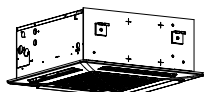
Single Phase – 1½ - 3½ Tons



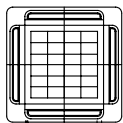
4TXM65



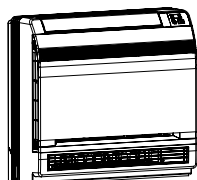
4MXW85



4MXC85



4MXL85



4MXF85



4MXD85



4MXX85

Table DU-6-A — R-410A 65 Series Multi-Zone System HP — Single Phase, 1½ to 3½ Tons^{①②③}

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrater Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	Max. Fuse (A)*	Fitting Size (in)		No of Circuits
			W	D	H				OD Gas	OD Liq.	
4TXM6518A1020C	208-230/1/60	18,000	35.4	14.9	23.5	105.6	56	15	20	3/8 1/4	2
4TXM6524A1030C	208-230/1/60	24,000	37.2	15.6	27.6	145.2	59	20	30	3/8 1/4	3
4TXM6530A1040C	208-230/1/60	30,000	37.2	15.6	27.6	147.4	59	26	45	3/8 1/4	4
4TXM6536A1040C	208-230/1/60	34,000	36.2	16.8	31.1	164.9	59	28	45	3/8 1/4	4
4TXM6542A1050C	208-230/1/60	42,000	40.0	17.3	43.4	246.4	58	26	40	3/8 1/4	5

Table DU-6-B — R-410A Multi-Zone High Wall System HP — Single Phase^②

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrater Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	Max. Fuse (A)*	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4MXW8509A10N0C	208-230/1/60	9,000	33.3	7.1	10.8	28.6	32-42		3/8	1/4
4MXW8512A10N0C	208-230/1/60	12,000	33.3	7.1	10.8	28.6	33-44		3/8	1/4
4MXW8518A10N0C	208-230/1/60	18,000	37	7.9	11.7	37.4	35-49		1/2	1/4
4MXW8524A10N0C	208-230/1/60	24,000	39.6	8.6	12.4	46.2	37-53		5/8	1/4

Table DU-6-C — R-410A Multi-Zone System Cassette HP — Single Phase^②

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrater Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	Max. Fuse (A)*	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4MXC8512A10N0A	208-230/1/60	12,000	22.4	22.4	9.1	50.7	37-46		3/8	1/4
4MXC8518A10N0A	208-230/1/60	14,400	22.4	22.4	9.1	50.7	37-46		1/2	1/4
4MXC8524A10N0A	208-230/1/60	22,800	33.1	33.1	9.5	83.8	35-39		5/8	3/8

Cassette Cover Panels (must be ordered separately)

Model Number	Description	Matches Cassette HP Model(s)
4MXL8518A10N0A	Cover Panel 25.59 x 25.59 x 1.97	4MXC8512 & 4MXC8518
4MXL8524A10N0A	Cover Panel 37.40 x 37.40 x 2.36	4MXC8524

Table DU-6-D — R-410A Multi-Zone System Console HP — Single Phase^②

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrater Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	Max. Fuse (A)*	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4MXF8509A10N0A	208-230/1/60	9,000	27.6	23.6	8.5	39.7	25-36		3/8	1/4
4MXF8512A10N0A	208-230/1/60	12,000	27.6	23.6	8.5	39.7	27-38		3/8	1/4
4MXF8518A10N0A	208-230/1/60	18,000	27.6	23.6	8.5	39.7	33-44		1/2	1/4

Table DU-6-E — R-410A Multi-Zone System Ceiling Concealed HP — Single Phase^②

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrater Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	Max. Fuse (A)*	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4MXD8509A10N0A	208-230/1/60	8,500	27.6	24.2	7.9	59.5	19-27		3/8	1/4
4MXD8512A10N0A	208-230/1/60	11,900	27.6	24.2	7.9	63.9	30-39		3/8	1/4
4MXD8518A10N0A	208-230/1/60	15,300	35.4	24.2	7.9	79.4	30-41		1/2	1/4
4MXD8521A10N0A	208-230/1/60	20,400	43.3	24.2	7.9	90.4	32-42		5/8	3/8
4MXD8524A10N0A	208-230/1/60	23,800	43.3	24.2	7.9	90.4	32-42		5/8	3/8

Table DU-6-F — R-410A Multi-Zone System Floor/Ceiling HP — Single Phase^②

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrater Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	Max. Fuse (A)*	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4MXX8509A10N0A	208-230/1/60	8,500	48.0	27.6	8.9	110.2	33-40		3/8	1/4
4MXX8512A10N0A	208-230/1/60	11,900	48.0	27.6	8.9	110.2	33-40		3/8	1/4
4MXX8518A10N0A	208-230/1/60	17,000	48.0	27.6	8.9	110.2	38-45		1/2	1/4
4MXX8524A10N0A	208-230/1/60	22,800	48.0	27.6	8.9	119	29-48		5/8	3/8

^① Units are matched with 4MXW85 indoor units.

^② Refer to the AHRI Directory for certified combinations and product performance.

^③ Because of limited capabilities, please refer to the product ratings for approved combinations.

* Information subject to change. Please confirm with current Product Data for current factory production.

** Sound Pressure Level @3.3 ft. dB (A)

Ductless Multi-Zone Outdoor Unit

Table DU-7-A — Features

	4TXM22 Multi-split 22 SEER	4TXM65 Multi-split 16 SEER
• R410-A refrigerant.....	✓	✓
• Flexibility to accommodate to different applications.....	✓	✓
• Connect up to 5 indoor units to a single condensing unit.....	✓	✓
• Nominal capacity 18-42 MBH.....	✓	✓
• Cooling efficiency up to 22 SEER.....	✓	✓
• Cooling efficiency of 16 SEER.....	—	✓
• Heating efficiency of 9-10.5 HSPF.....	✓	✓
• Heating efficiency of 8.2 HSPF.....	—	✓
• Heat Pump.....	✓	✓
• Crankcase heater.....	✓	✓
• Pan heater.....	✓	✓
• Low sound level.....	✓	✓
• Blue fin anti-corrosion treatment.....	✓	✓
• ETL and AHRI listed.....	✓	✓
• Sleep mode function.....	✓	✓
• Memory reset function.....	✓	✓
• Low ambient cooling to 0°F.....	✓	✓
• Low ambient heating to -4°F.....	✓	✓
• Low ambient heating to 5°F.....	—	✓
• Improved air quality with active carbon and catechin filters.....	✓	✓
• Registered limited warranty 10-year on all functional parts ①.....	✓	✓
• Optional extended warranties available through third parties	✓	✓

① Registered Limited Warranty terms are available when these products are registered within 60 days of installation. Registration can be done online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

Table DU-7-B — Optional Outdoor Unit Accessories

Model Number	Description	4TXM22 Multi-split 22 SEER	4TXM65 Multi-split 16 SEER
TAYREFLN050.....	Lineset Kit 1/4 x 3/8 - 25'	✓	✓
TAYREFLN055.....	Lineset Kit 1/4 x 3/8 - 35'	✓	✓
TAYREFLN060.....	Lineset Kit 1/4 x 3/8 - 50'	✓	✓
TAYREFLN560.....	Lineset Kit 1/4 x 1/2 - 25'	—	✓
TAYREFLN565.....	Lineset Kit 1/4 x 1/2 - 35'	—	✓
TAYREFLN570.....	Lineset Kit 1/4 x 1/2 - 50'	—	✓
TAYREFLN155.....	Lineset Kit 1/4 x 5/8 - 25'	—	✓
TAYREFLN160.....	Lineset Kit 1/4 x 5/8 - 35'	—	✓
TAYREFLN165.....	Lineset Kit 1/4 x 5/8 - 50'	—	✓

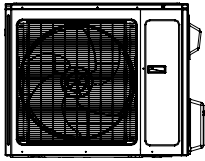
Table DU-7-C — Optional Indoor Unit Accessories

Model Number	Description	4MXW85② Multi Zone Indoor up to 22 SEER	4MXW27③ Multi Zone Indoor up to 22 SEER	4MXC85 Multi Zone Indoor up to 22 SEER	4MXD85 Multi Zone Indoor up to 22 SEER	4MXF85 Multi Zone Indoor up to 22 SEER	4MXX85 Multi Zone Indoor up to 22 SEER
AREMOTE2AHANDAA	Wireless controller.....	✓	✓	✓	—	✓	✓
TREWIRE1AHANDAA	Wired Controller.....	✓	✓	✓	✓	—	✓
AREPROG1AHANDAA	Programmable wired controller	✓	✓	—	—	—	—

② Match with 4TXM65 Multi-split 16 SEER Heat Pump

③ Match with 4TXM22 Multi-split 22 SEER Heat Pump

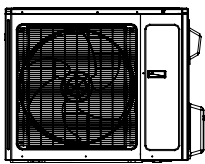
American Standard AccuFlex™ C-Series Single Zone U-Match System



4TUK45

Table DU-8-A — C-Series R-410A Single Zone System HP — Single Phase, 1 to 4 Ton^{①②}

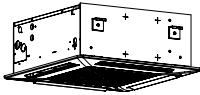
Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TUK4512A10N0A	208-230/1/60	12,000	33.1	13.5	21.6	79.8	48/48	10.7	15	3/8	1/4
4TUK4518A10N0A	208-230/1/60	18,000	34.6	14.3	25.1	68.8	48/48	10.0	15	1/2	1/4
4TUK4524A10N0A	208-230/1/60	24,000	37.1	15.1	39.7	142.0	50/50	14.0	20	5/8	1/4
4TUK4530A10N0A	208-230/1/60	30,000	37.1	15.1	39.7	154.0	50/52	24.0	30	5/8	3/8
4TUK4536A10N0A	208-230/1/60	36,000	37.1	15.1	48.0	194.0	49/51	26.5	40	5/8	3/8
4TUK4542A10N0A	208-230/1/60	42,000	37.1	15.1	48.0	194.0	51/53	26.5	40	5/8	3/8
4TUK4548A10N0A	208-230/1/60	48,000	37.1	15.1	48.0	194.0	53/55	26.5	40	5/8	3/8



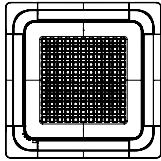
4TUKL5

Table DU-8-B — C-Series R-410A Single Zone ProCool Low Ambient Cooling Outdoor Unit - Single Phase, 1 1/2 to 3 Ton^{①②}

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TUKL518A10N0A	208-230/1/60	18,000	34.6	12.2	25.1	94.4	48	13	15	1/2	1/4
4TUKL524A10N0A	208-230/1/60	24,000	34.1	12.2	31.4	114.6	50	16	20	5/8	1/4
4TUKL530A10N0A	208-230/1/60	30,000	37.0	39.2	13.0	142.2	52	24	30	5/8	3/8
4TUKL536A10N0A	208-230/1/60	36,000	37.0	39.2	13.0	154.2	54	24	30	5/8	3/8



4MUC45



TVEPANPC4

Table DU-8-C — C-Series R-410A Single Zone System Square Cassette HP - Single Phase, 1 1/2 to 4 Ton^{①②}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MUC4518A10N0A	208-230/1/60	18,000	33.0	33.0	8.0	34.2	30-36	0.33	15	1/2	1/4
4MUC4524A10N0A	208-230/1/60	24,000	33.0	33.0	8.0	34.2	30-36	0.33	15	5/8	1/4
4MUC4530A10N0A	208-230/1/60	30,000	33.0	33.0	11.3	41.9	32-38	0.35	15	5/8	3/8
4MUC4536A10N0A	208-230/1/60	36,000	33.0	33.0	11.3	41.9	33-43	0.35	15	5/8	3/8
4MUC4542A10N0A	208-230/1/60	42,000	33.0	33.0	11.3	41.9	34-44	0.35	15	5/8	3/8
4MUC4548A10N0A	208-230/1/60	48,000	33.0	33.0	11.3	41.9	35-45	0.35	15	5/8	3/8

Cassette Cover Panel (must be ordered separately)

Model Number	Color	Description - Dimensions	Matches Cassette HP Model(s)	Weight (lbs)
TVEPANPC4NUSET	White	Square Cover Panel 37.4 x 37.4 x 1.9	4MUC4518A - 4MUC4548A	13.0

Table DU-8-D — C-Series R-410A Single Zone System Circular Cassette HP - Single Phase, 1 1/2 to 4 Ton^{①②}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	FLA*	MOP*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MUS4518A10N0A	208-230/1/60	18,000	37.2	37.2	11.0	46.3	29-35	0.33	15	1/2	1/4
4MUS4524A10N0A	208-230/1/60	24,000	37.2	37.2	11.0	46.3	29-35	0.33	15	5/8	1/4
4MUS4530A10N0A	208-230/1/60	30,000	37.2	37.2	14.4	52.9	31-38	0.35	15	5/8	3/8
4MUS4536A10N0A	208-230/1/60	36,000	37.2	37.2	14.4	52.9	46-54	0.35	15	5/8	3/8
4MUS4542A10N0A	208-230/1/60	42,000	37.2	37.2	14.4	52.9	47-55	0.35	15	5/8	3/8
4MUS4548A10N0A	208-230/1/60	48,000	37.2	37.2	14.4	52.9	46-56	0.35	15	5/8	3/8

Cassette Cover Panel (must be ordered separately)

Model Number	Color	Description - Dimensions	Matches Cassette HP Model(s)	Weight (lbs)
PNLRNDCASS001S	White	Square Cover Panel 37.4 x 37.4 x 1.9	4MUC4518A - 4MUC4548A	7.9
PNLRNDCASS001R	White	Round Cover Panel 41.3 (diameter)	4MUS4518A - 4MUS4548A	5.9
PNLRNDCASS00B1S	Black	Square Cover Panel 37.4 x 37.4 x 1.9	4MUC4518A - 4MUC4548A	7.9
PNLRNDCASS00B1R	Black	Round Cover Panel 41.3 (diameter)	4MUS4518A - 4MUS4548A	5.9

① Refer to the AHRI Directory for certified combinations and product performance.

② Outdoor units are equipped with high voltage terminals to power the indoor units

* Information subject to change. Please confirm with current Product Data for current factory production.

** Sound Pressure Level @3.3 ft. dB (A)

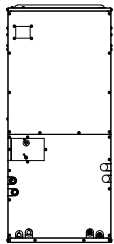
American Standard AccuFlex™ C-Series Single Zone U-Match System

**4MUD45-A****Table DU-9-A — C-Series R-410A Single Zone System Ducted HP — Single Phase, 1½ to 4 Ton^{①②}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	FLA*	MOP*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MUD4518A10N0A	208-230/1/60	18,000	45.2	18.9	12.6	95.0	26-34	0.85	15	1/2	1/4
4MUD4524A10N0A	208-230/1/60	24,000	45.2	18.9	12.6	95.0	28-36	0.85	15	5/8	1/4
4MUD4530A10N0A	208-230/1/60	30,000	47.2	25.6	14.1	137.0	29-37	1.9	15	5/8	3/8
4MUD4536A10N0A	208-230/1/60	36,000	47.2	25.6	14.1	137.7	30-38	1.9	15	5/8	3/8
4MUD4542A10N0A	208-230/1/60	42,000	47.2	25.6	14.1	136.7	34-40	1.9	15	5/8	3/8
4MUD4848A10N0A	208-230/1/60	48,000	47.2	25.6	14.1	136.7	37-43	1.9	15	5/8	3/8

**4MUD45-B****Table DU-9-B — C-Series R-410A Single Zone System Ducted HP — Single Phase, 1½ to 4 Ton^{①②}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	FLA*	MOP*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MUD4518B10N0A	208-230/1/60	18,000	33.5	27.6	9.8	99.0	26-34	1.1	15	1/2	1/4
4MUD4524B10N0A	208-230/1/60	24,000	47.2	27.6	9.8	89.3	28-36	1.5	15	5/8	1/4
4MUD4530B10N0A	208-230/1/60	30,000	47.2	27.6	9.8	89.3	29-37	1.5	15	5/8	3/8
4MUD4536B10N0A	208-230/1/60	36,000	51.2	27.6	11.8	99.6	30-38	2.0	15	5/8	3/8
4MUD4542B10N0A	208-230/1/60	42,000	51.2	27.6	11.8	99.6	34-40	2.0	15	5/8	3/8
4MUD4548B10N0A	208-230/1/60	48,000	51.2	27.6	11.8	99.6	37-43	2.0	15	5/8	3/8

**4MUM45-B****Table DU-9-C — C-Series R-410A Single Zone System Vertical Ducted HP - Single Phase, 1½ to 4 Ton^{①②③}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	FLA ^④	MOP ^④	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MUM4518B10N0A	208-230/1/60	18,000	17.5	21.0	43.0	98.1	32-38	0.72	15	1/2	1/4
4MUM4524B10N0A	208-230/1/60	24,000	17.5	21.0	43.0	98.1	35-41	0.72	15	5/8	1/4
4MUM4530B10N0A	208-230/1/60	30,000	21.0	21.0	48.0	123.5	35-41	1.66	15	5/8	3/8
4MUM4536B10N0A	208-230/1/60	36,000	21.0	21.0	48.0	123.5	36-42	1.66	15	5/8	3/8
4MUM4542B10N0A	208-230/1/60	42,000	24.5	21.8	58.8	163.1	36-42	1.66	15	5/8	3/8
4MUM4548B10N0A	208-230/1/60	48,000	24.5	21.8	58.8	163.1	38-43	2.09	15	5/8	3/8

**4MUW45****Table DU-9-D — C-Series R-410A Single Zone System High Wall HP - Single Phase, 1½ to 3 Ton^{①②}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	FLA*	MOP*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4MUW4512A10N0A	208-230/1/60	12,000	29.5	9.8	9.8	16.8	23-38	0.40	15	3/8	1/4
4MUW4518A10N0A	208-230/1/60	18,000	35.2	10.4	10.1	23.8	29-42	0.70	15	1/2	1/4
4MUW4524A10N0A	208-230/1/60	24,000	41.9	11.6	11.9	32.2	32-43	0.70	15	5/8	1/4
4MUW4530A10N0A	208-230/1/60	30,000	50.4	9.9	13.9	40.6	37-49	0.90	15	5/8	3/8
4MUW4536A10N0A	208-230/1/60	36,000	50.4	9.9	13.9	40.6	38-51	0.90	15	5/8	3/8

① Refer to the AHRI Directory for certified combinations and product performance.

② Outdoor units are equipped with high voltage terminals to power the indoor units

③ 4MUM Vertical Ducted unit, when used with an electric strip heater, must be powered from an electrical branch circuit independent of the branch circuit feeding the outdoor unit.

④ Refer to the 4MUM45 unit nameplate for MCA and MOP values when applying electric heat strip kit.

*Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

** Sound Pressure Level @3.3 ft. dB (A)

American Standard AccuFlex™ C-Series Single Zone U-Match System

Table DU-10-A — C-Series R-410A Single Zone System Accessories

Accessory Model	Description	Used With	Qty	
FLTR4TVC4MUC01	Large 4-Way Cassette Filter	All 4MUC45	12 Each	
FLTR4TVDC4MUC1	Washable Filter	4MUD4518A	12 Each	
		4MUD4524A	12 Each	
FLTR4TVDC4MUC2	Washable Filter	4MUD4530A	12 Each	
		4MUD4536A	12 Each	
		4MUD4542A	12 Each	
		4MUD4548A	12 Each	
TVCTRLTIMB14A0	External Contact Interface	4MUC45	1 Each	
		4MUD45	1 Each	
		4MUS45	1 Each	
TVCTRLTRWTA000	External Temperature Sensor	all 4MU* Indoor Units	1 Each	
CSEWINDBFL12A	Wind Baffle	4TUK4512A10N0A	1 Each	Use when low ambient cooling is required below 23°F outdoor temperature
CSEWINDBFL18A	Wind Baffle	4TUK4518A10N0A	1 Each	
CSEWINDB4018A	Wind Baffle	4TUKL518A10N0A	1 Each	
CSEWINDBFL24A	Wind Baffle	4TUK4524A10N0A	1 Each	
		4TUK4530A10N0A	1 Each	
		4TUKL524A10N0A	1 Each	
		4TUKL530A10N0A	1 Each	
		4TUKL536A10N0A	1 Each	
CSEWINDBFL36A	Wind Baffle	4TUK4536A10N0A	1 Each	
		4TUK4542A10N0A	1 Each	
		4TUK4548A10N0A	1 Each	

Table DU-10-B — C-Series R-410A Single Zone System Refrigerant Line Sets

Refrigerant Line Sets		
Model Number	Description	Shipping Dimensions
TAYREFLN050	Lineset 1/4" x 3/8" 25' length	33-3/4" x 3-1/4" x 33-3/8"
TAYREFLN055	Lineset 1/4" x 3/8" 35' length	33-13/16" x 5-1/4" x 31-7/8"
TAYREFLN060	Lineset 1/4" x 3/8" 50' length	33-13/16" x 5-1/4" x 31-7/8"
TAYREFLN560	Lineset 1/4" x 1/2" 25' length	48" x 48" x 5"
TAYREFLN565	Lineset 1/4" x 1/2" 35' length	33-3/4" x 2-7/8" x 33"
TAYREFLN570	Lineset 1/4" x 1/2" 50' length	33-13/16" x 5-1/4" x 31-7/8"
TAYREFLN155	Lineset 1/4" x 5/8" 25' length	33-13/16" x 6" x 32-1/2"
TAYREFLN160	Lineset 1/4" x 5/8" 35' length	48" x 48" x 5"
TAYREFLN165	Lineset 1/4" x 5/8" 50' length	33-3/4" x 3-1/4" x 33-3/8"
TAYREFLN170	Lineset 1/4" x 5/8" 100' length	33-13/16" x 5-1/4" x 31-7/8"
TAYREFLN065	Lineset 1/4" x 3/8" 100' length	33-13/16" x 6" x 32-1/2"
TAYREFLN575	Lineset 1/4" x 1/2" 100' length	48" x 48" x 5"
TAYREFLN955	Lineset 3/8" x 5/8" 25' length	33" x 33" x 3.75"
TAYREFLN960	Lineset 3/8" x 5/8" 35' length	33" x 33" x 5.63"
TAYREFLN965	Lineset 3/8" x 5/8" 50' length	33" x 33" x 6.43"
TAYREFLN970	Lineset 3/8" x 5/8" 100' length	48" x 48" x 5"

American Standard AccuFlex™ C-Series Single Zone U-Match System

Table DU-11-A — C-Series R-410A Single Zone System Controls

Information			Features						
Model	Control Type	Used With	Temp Adjustment	Mode	Swing / Air Blade Adjustment	Fan Speed	Temp Sensor	Temp Limits	Clock
TVCTRLTRDH00UA	Wireless (I/R) Remote	4MUC45	Yes	Yes	Yes	Yes	No	No	No
		4MUW45							
		TVCTRLTWR0002T							
TVCREMOTE0001A	Wireless (I/R) Remote	4MUS45	Yes	Yes	Yes	Yes	No	No	No
TVCTRLTWRWD02A	Wired Programmable Control	4MUC45	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		4MUD45							
		4MUM45							
		4MUS45							
		4MUW45							
TVCTRLTWR0002A	Wired Simple Touch Control	4MUC45	Yes	Yes	Yes	Yes	Yes	Yes	No
		4MUD45							
		4MUM45							
		4MUS45							
		4MUW45							
TVCTRLTCMA300A	High Level Touch Panel	4TUK45	Yes	Yes	Yes	Yes	No	Yes	Yes
TVCTRLSCBB17A0	BACNet Gateway	4TUK45	Yes	Yes	Yes	Yes	No	Yes	Yes
TVCTRLTIMC0300	Technicians Utility Tool	4TUK45 / 4MU*	Commissioning and Service Tool for AccuFlex™ C Series and AccuFlex™ VRF						

American Standard AccuFlex™ VRF Indoor Units

Table DU-12-A — R-410A VRF HSP (High Static Pressure) Duct^{①④}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	FLA*	MOP*	Line Size (in)	
			W	D	H					Gas	Liq.
4TVA0076B100NB	208-230/1/60	76,000	48.8	40.9	18.5	218.3	41-45	4.75	15	3/4	3/8
4TVA0096B100NB	208-230/1/60	96,000	48.8	40.9	18.5	218.3	43-48	7.38	15	7/8	3/8

Table DU-12-B — R-410A VRF Mini Four-Way Cassette^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	FLA*	MOP*	Line Size (in)	
			W	D	H					Gas	Liq.
4TVB0005B100NC	208-230/1/60	5,000	22.8	22.8	9.8	30.9	26-34	0.22	15	1/2	1/4
4TVB0007B100NC	208-230/1/60	7,500	22.8	22.8	9.8	30.9	26-34	0.22	15	1/2	1/4
4TVB0009B100NC	208-230/1/60	9,500	22.8	22.8	9.8	30.9	26-34	0.22	15	1/2	1/4
4TVB0012B100NC	208-230/1/60	12,000	22.8	22.8	9.8	30.9	31-36	0.24	15	1/2	1/4
4TVB0018B100NC	208-230/1/60	18,000	22.8	22.8	9.8	30.9	34-40	0.34	15	1/2	1/4
4TVB0020B100NC	208-230/1/60	20,000	22.8	22.8	9.8	30.9	35-41	0.38	15	1/2	1/4

Cassette Cover Panels ^③

Model Number	Description	Matches Cassette HP Model(s)
PNL4WAYMINI23A.....	Cover Panel 23.3 x 23.3 x 1.97	4TVB0005B - 4TVB0020B

Table DU-12-C — R-410A VRF Four-Way Cassette^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	FLA*	MOP*	Line Size (in)	
			W	D	H					Gas	Liq.
4TVC0009B100ND	208-230/1/60	9,000	33	33	8	40.8	31-34	0.32	15	1/2	1/4
4TVC0012B100ND	208-230/1/60	12,000	33	33	8	40.8	31-34	0.32	15	1/2	1/4
4TVC0018B100ND	208-230/1/60	18,000	33	33	8	40.8	31-34	0.32	15	1/2	1/4
4TVC0024B100ND	208-230/1/60	24,000	33	33	8	40.8	34-36	0.38	15	1/2	1/4
4TVC0030B100ND	208-230/1/60	30,000	33	33	11.3	50.7	30-39	0.63	15	5/8	3/8
4TVC0036B100ND	208-230/1/60	36,000	33	33	11.3	50.7	33-40	0.70	15	5/8	3/8
4TVC0048B100ND	208-230/1/60	48,000	33	33	11.3	50.7	39-44	0.94	15	5/8	3/8

Cassette Cover Panels ^③

Model Number	Description	Matches Cassette HP Model(s)
TVEPANPC4NUSET	Cover Panel 37.4 x 37.4 x 1.8	4TVC009B, 0018B, 0024B, 0030B, 00036B & 0048B

Table DU-12-D — R-410A VRF MSP (Medium Static Pressure) Duct^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	FLA*	MOP*	Line Size (in)	
			W	D	H					Gas	Liq.
4TVD0007C100ND	208-230/1/60	7,500	45.3	18.9	12.6	103.6	26-36	1.10	15	1/2	1/4
4TVD0009C100ND	208-230/1/60	9,500	45.3	18.9	12.6	103.6	26-36	1.10	15	1/2	1/4
4TVD0012C100ND	208-230/1/60	12,000	45.3	18.9	12.6	103.6	30-39	1.10	15	1/2	1/4
4TVD0015C100ND	208-230/1/60	15,000	45.3	18.9	12.6	103.6	32-41	1.10	15	1/2	1/4
4TVD0018C100ND	208-230/1/60	18,000	45.3	18.9	12.6	103.6	35-42	1.10	15	1/2	1/4
4TVD0024C100ND	208-230/1/60	24,000	47.3	25.6	14.2	144.4	30-36	4.30	15	5/8	3/8
4TVD0027C100ND	208-230/1/60	27,000	47.3	25.6	14.2	144.4	30-38	4.30	15	5/8	3/8
4TVD0030C100ND	208-230/1/60	30,000	47.3	25.6	14.2	144.4	31-38	4.30	15	5/8	3/8
4TVD0036C100ND	208-230/1/60	36,000	47.3	25.6	14.2	148.8	35-41	4.30	15	5/8	3/8
4TVD0048C100ND	208-230/1/60	48,000	47.3	25.6	14.2	148.8	36-42	4.30	15	5/8	3/8
4TVD0054C100ND	208-230/1/60	54,000	47.3	25.6	14.2	148.8	40-45	⑤	15	5/8	3/8

① Nominal capacity based on 25 ft. of equivalent refrigerant piping with 0 ft. level difference

- Cooling: Indoor temperature 80°F DB, 67°F WB/Outdoor temperature 95°F DB, 75°F WB

- Heating: Indoor temperature 70°F DB, 60°F WB/Outdoor temperature 47°F DB, 43°F WB

② Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

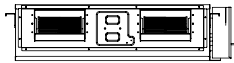
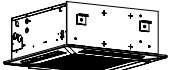
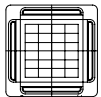
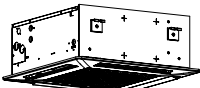
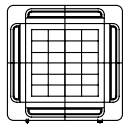
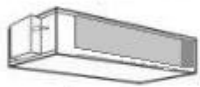
③ Cassette panel must be ordered separately.

④ Optional internal condensate drain pump must be ordered separately if gravity drain is not possible

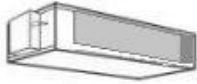
⑤ Refer to unit nameplate for MCA value

* Information subject to change. Please confirm with current Product Data for current factory production.

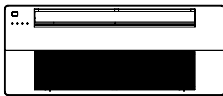
All VRF systems shall be selected using VRF Select software

**4TVA00****4TVB00****TVEPANPC4****4TVC00****TVEPANPC4****4TVD00-C**
Ductless

American Standard AccuFlex™ VRF Indoor Units

**4TVD00-D****Table DU-13-A — R-410A VRF Mid-Static Ducted Indoor Unit^①**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVD0007D100NA	208-230/1/60	7,000	33.4	27.6	9.8	69.4	22-26	1.375	15	1/2	1/4
4TVD0009D100NA	208-230/1/60	9,000	33.4	27.6	9.8	69.4	22-26	1.375	15	1/2	1/4
4TVD0012D100NA	208-230/1/60	12,000	33.4	27.6	9.8	69.4	22-26	1.375	15	1/2	1/4
4TVD0015D100NA	208-230/1/60	15,000	33.4	27.6	9.8	69.4	22-26	1.375	15	1/2	1/4
4TVD0018D100NA	208-230/1/60	18,000	33.4	27.6	9.8	69.4	22-29	1.375	15	1/2	1/4
4TVD0024D100NA	208-230/1/60	24,000	47.2	27.6	9.8	89.3	30-39	1.875	15	5/8	3/8
4TVD0027D100NA	208-230/1/60	30,000	47.2	27.6	9.8	89.3	34-40	1.875	15	5/8	3/8
4TVD0030D100NA	208-230/1/60	36,000	47.2	27.6	9.8	89.3	35-40	1.875	15	5/8	3/8
4TVD0036D100NA	208-230/1/60	42,000	51.2	27.6	11.8	99.2	32-38	2.500	15	5/8	3/8
4TVD0048D100NA	208-230/1/60	48,000	51.2	27.6	11.8	99.2	35-41	2.500	15	5/8	3/8

**4TVE00****Table DU-13-B — R-410A VRF Slim One-Way Cassette^①**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVE0007B100NC	208-230/1/60	7,500	38.2	16.2	5.3	29.8	23-27	0.29	15	1/2	1/4
4TVE0009B100NC	208-230/1/60	9,500	38.2	16.2	5.3	29.8	24-29	0.32	15	1/2	1/4
4TVE0012B100NC	208-230/1/60	12,000	38.2	16.2	5.3	29.8	27-35	0.35	15	1/2	1/4

Cassette Cover Panels^③

Model Number	Description	Matches Cassette HP Model(s)
TVEPANPC1NUSET	Cover Panel 46.5 x 18.2 x 1.0	4TVE007B, 009B & 012B

Table DU-13-C — R-410A VRF Concealed / Recessed Floor Standing Indoor Unit^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVF0006B10RNA	208-230/1/60	6,000	37.1	8.6	23.6	50.7	20-23	0.2	15	1/2	1/4
4TVF0009B10RNA	208-230/1/60	9,000	37.1	8.6	23.6	50.7	21-26	0.22	15	1/2	1/4
4TVF0012B10RNA	208-230/1/60	12,000	37.1	8.6	23.6	50.7	27-37	0.24	15	1/2	1/4
4TVF0018B10RNA	208-230/1/60	18,000	48.1	8.6	23.6	62.8	32-40	0.53	15	1/2	1/4
4TVF0024B10RNA	208-230/1/60	24,000	48.1	8.6	23.6	62.8	32-40	0.53	15	5/8	3/8

Table DU-13-D — R-410A VRF Cabinet Style Floor Standing Indoor Unit^①

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVF0006B10CNA	208-230/1/60	6,000	46.0	8.6	23.6	57.3	20-23	0.2	15	1/2	1/4
4TVF0009B10CNA	208-230/1/60	9,000	46.0	8.6	23.6	57.3	21-26	0.22	15	1/2	1/4
4TVF0012B10CNA	208-230/1/60	12,000	46.0	8.6	23.6	57.3	27-37	0.24	15	1/2	1/4
4TVF0018B10CNA	208-230/1/60	18,000	57.0	8.6	23.6	69.4	32-40	0.53	15	1/2	1/4
4TVF0024B10CNA	208-230/1/60	24,000	57.0	8.6	23.6	69.4	32-40	0.53	15	5/8	3/8

① Nominal capacity based on 25 ft. of equivalent refrigerant piping with 0 ft. level difference

- Cooling: Indoor temperature 80°F DB, 67°F WB/Outdoor temperature 95°F DB, 75°F WB

- Heating: Indoor temperature 70°F DB, 60°F WB/Outdoor temperature 47°F DB, 43°F WB

② Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

③ Cassette panel must be ordered separately.

* Information subject to change. Please confirm with current Product Data for current factory production.

All VRF systems shall be selected using VRF Select software

American Standard AccuFlex™ VRF Indoor Units

Table DU-14-A — R-410A VRF Slim Duct^{①④}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVL0007B100NC	208-230/1/60	7,500	35.4	23.6	7.8	62.8	21-26	0.40	15	1/2	1/4
4TVL0009B100NC	208-230/1/60	9,500	35.4	23.6	7.8	62.8	23-27	0.50	15	1/2	1/4
4TVL0012B100NC	208-230/1/60	12,000	35.4	23.6	7.8	62.8	27-29	0.64	15	1/2	1/4
4TVL0018B100NC	208-230/1/60	18,000	43.3	23.6	7.8	76.0	31-36	1.18	15	1/2	1/4
4TVL0024B100NC	208-230/1/60	24,000	43.3	23.6	7.8	76.0	33-38	1.23	15	5/8	3/8
4TVL0030B100NC	208-230/1/60	30,000	51.2	27.2	11.6	103.6	34-37	1.00	15	5/8	3/8
4TVL0036B100NC	208-230/1/60	36,000	51.2	27.2	11.6	103.6	34-37	1.32	15	5/8	3/8
4TVL0048B100NC	208-230/1/60	48,000	51.2	27.2	11.6	107.0	36-39	1.75	15	5/8	3/8

**4TVL00****Table DU-14-B — R-410A VRF Dedicated Outside Air Units^{①⑤}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVN0072A100NA	208-230/1/60	72,000	53.1	35.2	17.8	198.4 989	47	2.6	15	3/4	3/8
4TVN0096A100NA	208-230/1/60	96,000	53.1	35.2	17.8	198.4 1236	47	1.4	15	7/8	3/8

**Table DU-14-C — R-410A Single Zone System Circular Cassette HP - Single Phase, 1-1/2 to 4 Ton^{①②③}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	FLA*	MOP*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVS0009B100NA	208-230/1/60	9,000	37.2	37.2	11.0	46.3	29-33	0.18	15	1/2	1/4
4TVS0012B100NA	208-230/1/60	12,000	37.2	37.2	11.0	46.3	29-33	0.18	15	1/2	1/4
4TVS0018B100NA	208-230/1/60	18,000	37.2	37.2	14.4	46.3	29-33	0.18	15	5/8	1/4
4TVS0024B100NA	208-230/1/60	24,000	37.2	37.2	14.4	46.3	32-38	0.28	15	5/8	3/8
4TVS0030B100NA	208-230/1/60	30,000	37.2	37.2	14.4	52.9	36-40	0.42	15	5/8	3/8
4TVS0036B100NA	208-230/1/60	36,000	37.2	37.2	14.4	52.9	38-43	0.57	15	5/8	3/8
4TVS0048B100NA	208-230/1/60	48,000	37.2	37.2	14.4	52.9	39-44	0.57	15	5/8	3/8

Cassette Cover Panel (must be ordered separately)

Model Number	Color	Description - Dimensions	Matches Cassette HP Model(s)	Weight (lbs)
PNLRNDCASS001S	White	Square Cover Panel 39.4 x 39.4 x 2.3	4TVS0009B - 4TVS0048B	7.9
PNLRNDCASS001R	White	Round Cover Panel 41.3 (diameter) x 3.7	4TVS0009B - 4TVS0048B	5.9
PNLRNDCASS001S	Black	Square Cover Panel 39.4 x 39.4 x 2.6	4TVS0009B - 4TVS0048B	7.9
PNLRNDCASS001R	Black	Round Cover Panel 41.3 (diameter) x 3.7	4TVS0009B - 4TVS0048B	5.9

Table DU-14-D — R-410A VRF High Wall^{①④}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVW0007B100NC	208-230/1/60	7,500	32.5	7.5	11.3	24.3	27-31	0.32	15	1/2	1/4
4TVW0009B100NC	208-230/1/60	9,500	32.5	7.5	11.3	24.3	27-31	0.32	15	1/2	1/4
4TVW0012B100NC	208-230/1/60	12,000	32.5	7.5	11.3	24.3	29-37	0.38	15	1/2	1/4
4TVW0018B100NC	208-230/1/60	18,000	41.9	8.6	11.8	34.2	38-44	0.45	15	1/2	1/4
4TVW0020B100NC	208-230/1/60	20,000	41.9	8.6	11.8	34.2	38-44	0.48	15	1/2	1/4
4TVW0024B100NC	208-230/1/60	23,200	41.9	8.6	11.8	34.2	38-45	0.50	15	5/8	3/8

^① Nominal capacity based on 25 ft. of equivalent refrigerant piping with 0 ft. level difference

- Cooling: Indoor temperature 80°F DB, 67°F WB/Outdoor temperature 95°F DB, 75°F WB

- Heating: Indoor temperature 70°F DB, 60°F WB/Outdoor temperature 47°F DB, 43°F WB

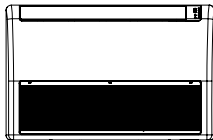
^② Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.^③ Optional internal condensate drain pump must be ordered separately if gravity drain is not possible.^④ External condensate pump, if necessary, is available through sales.^⑤ Only applicable with VRF heat pumps.

* Information subject to change. Please confirm with current Product Data for current factory production.

American Standard AccuFlex™ VRF Indoor Units

**4TVW00****Table DU-15-A — R-410A VRF High Wall^{①④}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVW0005D100NA	208-230/1/60	5,000	29.5	9.7	9.8	17.9	24-28	0.18	15	1/2	1/4
4TVW0007D100NA	208-230/1/60	7,000	29.5	9.7	9.8	17.9	25-33	0.20	15	1/2	1/4
4TVW0009D100NA	208-230/1/60	9,000	29.5	9.7	9.8	18.1	25-36	0.25	15	1/2	1/4
4TVW0012D100NA	208-230/1/60	12,000	32.5	10.3	10.3	21.6	30-37	0.26	15	1/2	1/4
4TVW0015D100NA	208-230/1/60	15,000	32.5	10.3	10.3	21.6	34-41	0.41	15	1/2	1/4
4TVW0018D100NA	208-230/1/60	18,000	41.9	11.6	11.9	32.2	33-39	0.39	15	1/2	1/4
4TVW0024D100NA	208-230/1/60	24,000	41.9	11.6	11.9	32.2	36-44	0.54	15	3/8	5/8
4TVW0027D100NA	208-230/1/60	27,000	41.9	11.6	11.9	32.2	40-47	0.73	15	3/8	5/8
4TVW0030D100NA	208-230/1/60	30,000	50.4	9.9	13.6	40.8	42-49	0.68	15	3/8	5/8

**4TVX00****Table DU-15-B — R-410A VRF Ceiling Suspended (Floor)^{①③④}**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^②	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVX0018B100NB ^④	208-230/1/60	18,000	39.4	7.9	25.5	56.2	34-40	0.53	15	1/2	1/4
4TVX0024B100NB ^④	208-230/1/60	24,000	39.4	7.9	25.5	56.2	40-44	0.60	15	5/8	3/8

① Nominal capacity based on 25 ft. of equivalent refrigerant piping with 0 ft. level difference

- Cooling: Indoor temperature 80°F DB, 67°F WB/Outdoor temperature 95°F DB, 75°F WB

- Heating: Indoor temperature 70°F DB, 60°F WB/Outdoor temperature 47°F DB, 43°F WB

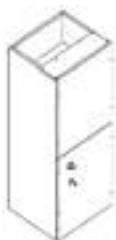
② Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

③ EEV kit is required and must be ordered as a separate item.

④ External condensate pump, if necessary, is available through sales.

* Information subject to change. Please confirm with current Product Data for current factory production.

American Standard AccuFlex™ VRF Indoor Units

**Table DU-16-A — R-410A Convertible Ducted Air Handling Unit**

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	MCA @240V	Max Fuse @240V (A)	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4TVM0009C100NB	208-240/1/60	9,000	35.4	18.8	10.3	72.8	0.9	15	1/2	1/4
4TVM0012C100NB	208-240/1/60	12,000	35.4	18.8	10.3	72.8	0.9	15	1/2	1/4
4TVM0018C100NB	208-240/1/60	15,000	45.3	18.8	12.6	89.3	0.9	15	1/2	1/4

Table DU-16-B — Electric Heaters for 4TVM-C

Model Number	Heater Model Number	Electric Heater				Minimum Circuit Ampacity (MCA)		Maximum Overcurrent Protection (MCOP)		Min. Wire Size (AWG)
		Circuit Breaker Quantity	kW	Amperes (A)						
				208 V	240 V	208 V	240 V	208 V	240 V	
4TVM0009C100NB	No Heater	N/A	N/A	N/A	N/A	1.04	0.9	15	15	14
4TVM0012C100NB	4TVMCK3KWHTR001	1	3	10.82	12.5	14.56	16.53	15	20	12
4TVM0018C100NA	No Heater	N/A	N/A	N/A	N/A	1.04	0.9	15	15	14
	4TVMCK3KWHTR001	1	3	10.85	12.5	14.56	16.53	15	20	12
	4TVMCK5KWHTR001	1	5	18.03	20.83	23.57	26.94	25	30	10

Table DU-16-C — R-410A Convertible Ducted Air Handling Unit

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	MCA*	Max. Fuse*	Line Size (in)	
			W	D	H				OD Gas	OD Liq.
4TVM0024B100NB	208-230/1/60	24,000	35.4	18.8	10.3	72.8	1.75	15	1/2	1/4
4TVM0030B100NB	208-230/1/60	30,000	35.4	18.8	10.3	72.8	1.88	15	5/8	3/8
4TVM0036B100NB	208-230/1/60	36,000	45.3	18.8	12.6	89.3	1.88	15	5/8	3/8
4TVM0042B100NB	208-230/1/60	42,000	45.3	18.8	12.6	89.3	2.00	15	5/8	3/8
4TVM0048B100NB	208-230/1/60	48,000	45.3	18.8	12.6	89.3	2.00	15	5/8	3/8
4TVM0060B100NB	208-230/1/60	60,000	45.3	18.8	12.6	89.3	2.00	15	5/8	3/8

Note: Must be used with 4TVCTRLAHU0001A Controller for 4TVM

Table DU-16-D — Controller for 4TVM

4TVCTRLAHU0001A 208-230/1/60 Use with 4TVM0024B-0060B 15.0 5.0 11.0 11.0 Must be ordered as a separate item.

Table DU-16-E — Electric Heaters for 4TVM-B

Model Number	Power Supply (Volts/Phase/Hz)	Nominal Capacity Heating @ 240 volts				Nominal Capacity Heating @ 208 volts			
		Circuit 1 kW	Circuit 1 BTUH	Circuit 2 kW	Circuit 2 BTUH	Circuit 1 kW	Circuit 1 BTUH	Circuit 2 kW	Circuit 2 BTUH
BAYHTR1504	208-230/60/1	3.84	13100			2.88	9800		
BAYHTR1505	208-230/60/1	4.8	16400			3.6	12300		
BAYHTR1508	208-230/60/1	7.68	26200			5.76	19700		
BAYHTR1510	208-230/60/1	9.6	32800			7.2	24600		
BAYHTR1515	208-230/60/1	9.6	32800	4.8	16400	7.2	24600	3.6	12300
BAYHTR1519	208-230/60/1	9.6	32800	9.6	32800	7.2	24600	7.2	24600
BAYHTR1520	208-230/60/1	9.6	32800	9.6	32800	7.2	24600	7.2	24600
BAYHTR3510	208-230/60/1	9.6	32800			7.2	24600		
BAYHTR3515	208-230/60/1	14.4	49200			10.8	36900		

This page indicates available products, however, specific applications including 4TVM Indoor units with VRF outdoor systems shall be validated through VRF select.

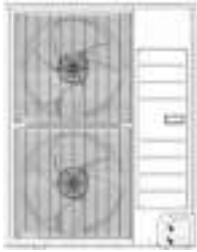
Electric heater selections shall be validated by the unit nameplate, a listing of approved heaters may be obtained in product data catalog VRF-PRC024*-EN.
(*will be A, B, C, etc. indicating the most current version).

Electrical Branch Circuits shall be validated by the unit nameplate data. This data is also listed in the product data catalog VRF-PRC024*-EN.

Printed literature is updated periodically; however, product change and development may dictate a unit nameplate change; in all cases, the unit nameplate values rule.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

American Standard AccuFlex™ VRF Indoor Units


Table DU-17-A — R-410A Mini VRF 208~230V Single Phase Heat Pump

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH) ①③	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ②	MCA*	MOP	Line Size (in)	
			W	D	H					OD	OD Liq.
4TVH0036B100NC	208-230/1/60	38,000	37	13	47.6	231.5	50	23	40	5/8	3/8
4TVH0048B100NC	208-230/1/60	48,000	37	13	47.6	231.5	51	29	50	5/8	3/8
4TVH0053B100NC	208-230/1/60	53,000	37	13	47.6	238	53	34	50	3/4	3/8

This document is designed a quick reference guide, please consult VRF Select for all systems selections and the latest product data catalogue(s) for diagrams and final electrical data.

① Nominal capacity based on 25 ft. of equivalent refrigerant piping with 0 ft. level difference

- Cooling: Indoor temperature 80°F DB, 67°F WB/Outdoor temperature 95°F DB, 75°F WB

- Heating: Indoor temperature 70°F DB, 60°F WB/Outdoor temperature 47°F DB, 43°F WB

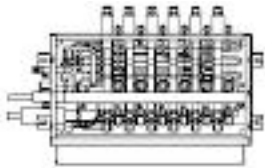
② Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

③ Rated per AHRI Unitary Small HP Standard 210/240

Table DU-17-B — Optional outdoor unit accessory

Model	Description
Number	
TVGARD003A	Hail Guard for 4TVH0036B100NC / 4TVH0048B100NC / 4TVH0053B100NC

American Standard AccuFlex™ VRF Mode Control Unit (MCU)



4MCUCUY6N (6 port unit)

Table DU-17-C — R-410A VRF Mode Control Unit (MCU) ①②③

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Max Capacity BTUH	Uncrated Dimensions (in)			Shipping Weight (lbs)	No. Of Ports	MCA	MOP
			L	W	H				
4MCUCUY2NCE000	208-230/1/60	192,000	32.6	7.9	18.5	63.9	2	0.63	15
4MCUCUY4NCE000	208-230/1/60	120,000	32.6	7.9	18.5	63.9	4	0.63	15
4MCUCUY6NCE000	208-230/1/60	180,000	32.6	7.9	18.5	70.5	6	0.63	15

① The MCA and MOP listed for the MCU applies to the MCU only.

② If the MCU is used to distribute high voltage power to the indoor units, the electrical branch circuit size and overcurrent protection device rating shall be calculated using the adopted National Electrical Code (NEPA 70E) per the Authority Having Jurisdiction (AHJ). The maximum current draw through the MCU and overcurrent protection device shall not exceed 15 AMPS.

③ Must use 4MCUCY style MCU's with 4TVP water source VRF units when using heat recovery option.

Table DU-17-D — R-410A VRF Next Generation Mode Control Units (MCU) 3-Phase ①②③

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Max Capacity BTUH	Uncrated Dimensions (in)			Shipping Weight (lbs)	No. Of Ports	MCA	MOP
			L	W	H				
4MCUTV1A548B1A	208-230/3/60	54,000	13.2	16.1	7.8	24.25	1	2.0	15
4MCUTV2A548B1A	208-230/3/60	108,000	28.7	18.4	7.8	46.29	2	2.0	15
4MCUTV4A548B1A	208-230/3/60	216,000	28.7	18.4	7.8	54.10	4	2.0	15
4MCUTV6A548B1A	208-230/3/60	216,000	28.7	18.4	7.8	62.80	6	2.0	15

① Do not mix Generation 1 MCU's and Next Generation MCU's in a VRF Heat Recovery System.

② Do not use Next Generation MCU's with 4TVP Water Source Systems.

③ Indoor units over 54,000 BTUH, requires port pairing. Currently, these Y connectors are available as KIT Numbers. Order KIT18189 and KIT18190 for each set of ports required to be paired.

MCU Model	Sound Level		Main Port Connections			Series Port Connections			Indoor Unit Port Connections	
	Standard Opera- tion	Mode Chang- ing	Liquid	Suction	Hot Gas	Liquid	Suction	Hot Gas	Liquid	Gas
			OD"	OD"	OD"	OD"	OD"	OD"	OD"	OD"
4MCUTV1A548B1A	33.0	50.0	3/8"	7/8"	3/4"	N/A	N/A	N/A	3/8"	5/8"
4MCUTV2A548B1A	34.0	50.0	5/8"	1-1/8"	1-1/8"	5/8"	1-1/8"	1-1/8"	3/8"	5/8"
4MCUTV4A548B1A	36.0	50.0	5/8"	1-1/8"	1-1/8"	5/8"	1-1/8"	1-1/8"	3/8"	5/8"
4MCUTV6A548B1A	36.0	50.0	5/8"	1-1/8"	1-1/8"	5/8"	1-1/8"	1-1/8"	3/8"	5/8"

American Standard AccuFlex™ VRF Water Source Units


Table DU-18-A — R-410A VRF 208-230V Water Source Heat Pump / Heat Recovery Single Modules^③

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					OD Gas	OD Liq.	HOT Gas
4TVP0072B300NB	208-230/3/60	72,000	30.2	21.5	39.4	353	48	16.0	25	³ / ₄	³ / ₈	⁵ / ₈
4TVP0072B300NB	208-230/3/60	96,000	30.2	21.5	39.4	353	48	23.0	40	⁷ / ₈	³ / ₈	³ / ₄
4TVP0120B300NB	208-230/3/60	120,000	30.2	21.5	39.4	353	50	30.0	50	¹ / ₈	¹ / ₂	⁷ / ₈
4TVP0192B300NB	208-230/3/60	192,000	43.2	21.5	39.4	529	61	39.6	50	¹ / ₈	⁵ / ₈	¹ / ₈

Table DU-18-B — R-410A VRF 460V Water Source Heat Pump / Heat Recovery Single Modules^③

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					OD Gas	OD Liq.	HOT Gas
4TVP0072B400NB	460/3/60	72,000	30.2	21.5	39.4	368	48	10.0	15	³ / ₄	³ / ₈	⁵ / ₈
4TVP0096B400NB	460/3/60	96,000	30.2	21.5	39.4	368	48	11.0	15	⁷ / ₈	³ / ₈	³ / ₄
4TVP0120B400NB	460/3/60	120,000	30.2	21.5	39.4	368	50	15.6	25	¹ / ₈	¹ / ₂	⁷ / ₈
4TVP0192B400NB	460/3/60	192,000	43.2	21.5	39.4	545	61	26.2	35	¹ / ₈	⁵ / ₈	¹ / ₈

This document is designed as a quick reference guide, please consult VRF Select for all systems selections and the latest product data catalogue(s) for diagrams and final electrical data.

① Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

② Information subject to change. Please confirm with current Product Data for current factory production.

③ Use only 4MCUCUY (1st Generation MCU's) with 4TVP Water Source Units.

American Standard AccuFlex™ VRF Outdoor Units

Table DU-19-A — R-410A VRF 208-230V Heat Pump Single Modules^③

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVH0072B300NB	208-230/3/60	72,000	34.6	30.1	66.7	461	60	28.0	35	3/4	3/8
4TVH0096B300NB	208-230/3/60	96,000	50.9	30.1	66.7	666	61	37.8	50	7/8	3/8
4TVH0120B300NB	208-230/3/60	120,000	50.9	30.1	66.7	666	61	43.0	50	1 1/8	1/2
4TVH0144B300NB	208-230/3/60	144,000	50.9	30.1	66.7	699	62	52.6	70	1 1/8	1/2
4TVH0168B300NC	208-230/3/60	168,000	50.9	30.1	66.7	754	63	66.0	80	1 1/8	5/8
4TVH0192B300NC	208-230/3/60	192,000	50.9	30.1	66.7	772	64	73.0	90	1 1/8	5/8

Table DU-19-B — R-410A VRF 208-230V Heat Recovery Single Modules^③

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					OD Gas	OD Liq.	HOT Gas
4TVR0072B300NB	208-230/3/60	72,000	34.6	30.1	66.7	465	60	28.0	35	3/4	3/8	5/8
4TVR0096B300NB	208-230/3/60	96,000	50.9	30.1	66.7	679	61	37.8	50	7/8	3/8	3/4
4TVR0120B300NB	208-230/3/60	120,000	50.9	30.1	66.7	679	61	43.0	50	1 1/8	1/2	7/8
4TVR0144B300NB	208-230/3/60	144,000	50.9	30.1	66.7	714	62	52.6	70	1 1/8	1/2	7/8
4TVR0168B300NC	208-230/3/60	168,000	50.9	30.1	66.7	770	63	66.0	80	1 1/8	5/8	7/8
4TVR0192B300NC	208-230/3/60	192,000	50.9	30.1	66.7	778	64	73.0	90	1 1/8	1/2	1 1/8

Table DU-19-C — R-410A VRF 460V Heat Pump Single Modules^③

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVH0072B400NB	460/3/60	72,000	34.6	30.1	66.7	472	60	16.4	20	3/4	3/8
4TVH0096B400NB	460/3/60	96,000	50.9	30.1	66.7	582	61	19.0	25	7/8	3/8
4TVH0120B400NB	460/3/60	120,000	50.9	30.1	66.7	582	61	21.7	30	1 1/8	1/2
4TVH0144B400NB	460/3/60	144,000	50.9	30.1	66.7	714	62	26.4	40	1 1/8	1/2
4TVH0168B400NC	460/3/60	168,000	50.9	30.1	66.7	757	63	33.0	40	1 1/8	5/8
4TVH0192B400NC	460/3/60	192,000	50.9	30.1	66.7	774	64	37.0	50	1 1/8	5/8

Table DU-19-D — R-410A VRF 460V Heat Recovery Single Modules^③

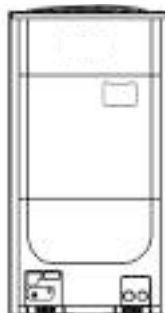
Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					OD Gas	OD Liq.	HOT Gas
4TVR0072B400NB	460/3/60	72,000	34.6	30.1	66.7	481	60	16.4	20	3/4	3/8	5/8
4TVR0096B400NB	460/3/60	96,000	50.9	30.1	66.7	595	61	19.0	25	7/8	3/8	3/4
4TVR0120B400NB	460/3/60	120,000	50.9	30.1	66.7	595	61	21.7	30	1 1/8	1/2	7/8
4TVR0144B400NB	460/3/60	144,000	50.9	30.1	66.7	734	62	26.4	40	1 1/8	1/2	7/8
4TVR0168B400NC	460/3/60	168,000	50.9	30.1	66.7	770	63	33.0	40	1 1/8	1/2	7/8
4TVR0192B400NC	460/3/60	192,000	50.9	30.1	66.7	788	64	37.0	50	1 1/8	1/2	1 1/8

This document is designed a quick reference guide, please consult VRF Select for all systems selections and the latest product data catalogue(s) for diagrams and final electrical data.

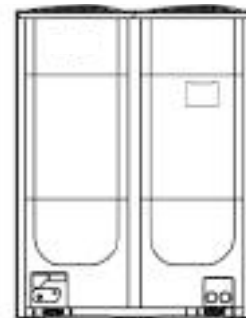
① Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

② Information subject to change. Please confirm with current Product Data for current factory production.

③ If using 4TVR-B heat recovery units with Next Generation MCU's, the main board and hub board must be changed. Board is available through parts and supplies.



DU-19



American Standard AccuFlex™ VRF Outdoor Units

Table DU-20-A — R-410A VRF 208–230V Next Generation Heat Pump Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVH0072C300NA	208-230/3/60	72,000	34.6	30.1	66.7	426	60	28.0	35	3/4	3/8
4TVH0096C300NA	208-230/3/60	96,000	50.9	30.1	66.7	624	61	37.8	50	7/8	3/8
4TVH0120C300NA	208-230/3/60	120,000	50.9	30.1	66.7	624	61	43.0	50	1 1/8	1/2
4TVH0144C300NA	208-230/3/60	144,000	50.9	30.1	66.7	657	62	52.6	70	1 1/8	1/2
4TVH0168C300NA	208-230/3/60	168,000	50.9	30.1	66.7	717	63	66.0	80	1 1/8	5/8
4TVH0192C300NA	208-230/3/60	192,000	50.9	30.1	66.7	734	64	73.0	90	1 1/8	5/8

Table DU-20-B — R-410A VRF 208–230V Next Generation Heat Recovery Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					OD Gas	OD Liq.	HOT Gas
4TVR0072C300NA	208-230/3/60	72,000	34.6	30.1	66.7	426	60	28.0	35	3/4	3/8	5/8
4TVR0096C300NA	208-230/3/60	96,000	50.9	30.1	66.7	624	61	37.8	50	7/8	3/8	3/4
4TVR0120C300NA	208-230/3/60	120,000	50.9	30.1	66.7	624	61	43.0	50	1 1/8	1/2	7/8
4TVR0144C300NA	208-230/3/60	144,000	50.9	30.1	66.7	667	62	52.6	70	1 1/8	1/2	7/8
4TVR0168C300NA	208-230/3/60	168,000	50.9	30.1	66.7	717	63	66.0	80	1 1/8	5/8	7/8
4TVR0192C300NA	208-230/3/60	192,000	50.9	30.1	66.7	734	64	73.0	90	1 1/8	5/8	1 1/8

Table DU-20-C — R-410A VRF 460V Next Generation Heat Pump Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVH0072C400NA	460/3/60	72,000	34.6	30.1	66.7	426	60	16.4	20	3/4	3/8
4TVH0096C400NA	460/3/60	96,000	50.9	30.1	66.7	624	61	19.0	25	7/8	3/8
4TVH0120C400NA	460/3/60	120,000	50.9	30.1	66.7	624	61	21.7	30	1 1/8	1/2
4TVH0144C400NA	460/3/60	144,000	50.9	30.1	66.7	657	62	26.4	40	1 1/8	1/2
4TVH0168C400NA	460/3/60	168,000	50.9	30.1	66.7	717	63	33.0	40	1 1/8	5/8
4TVH0192C400NA	460/3/60	192,000	50.9	30.1	66.7	734	64	37.0	50	1 1/8	5/8

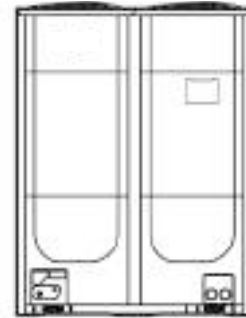
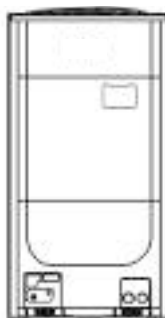
Table DU-20-D — R-410A VRF 460V Next Generation Heat Recovery Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					OD Gas	OD Liq.	HOT Gas
4TVR0072C400NA	460/3/60	72,000	34.6	30.1	66.7	426	60	16.4	20	3/4	3/8	5/8
4TVR0096C400NA	460/3/60	96,000	50.9	30.1	66.7	624	61	19.0	25	7/8	3/8	3/4
4TVR0120C400NA	460/3/60	120,000	50.9	30.1	66.7	624	61	21.7	30	1 1/8	1/2	7/8
4TVR0144C400NA	460/3/60	144,000	50.9	30.1	66.7	657	62	26.4	40	1 1/8	1/2	7/8
4TVR0168C400NA	460/3/60	168,000	50.9	30.1	66.7	717	63	33.0	40	1 1/8	5/8	7/8
4TVR0192C400NA	460/3/60	192,000	50.9	30.1	66.7	734	64	37.0	50	1 1/8	5/8	1 1/8

This document is designed a quick reference guide, please consult VRF Select for all systems selections and the latest product data catalogue(s) for diagrams and final electrical data.

① Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.

② Information subject to change. Please confirm with current Product Data for current factory production.



American Standard AccuFlex™ VRF Outdoor Units

Table DU-21-A — R-410A AccuFlex™ VRF ProHeat 208~230V Heat Pump Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TVHL072B300NA	208-230/3/60	72,000	50.9	30.1	66.7	657	60	50.0	60	3/4	3/8
4TVHL096B300NA	208-230/3/60	96,000	50.9	30.1	66.7	726	61	70.0	80	7/8	3/8

Table DU-21-B — R-410A AccuFlex™ VRF ProHeat 208~230V Heat Recovery Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					Gas	Liq.	HOT Gas
4TVRL072B300NA	208-230/3/60	72,000	50.9	30.1	66.7	667	60	50.0	60	3/4	3/8	5/8
4TVRL096B300NA	208-230/3/60	96,000	50.9	30.1	66.7	741	61	70.0	80	7/8	3/8	3/4

Table DU-21-C — R-410A AccuFlex™ VRF ProHeat 460V Heat Pump Single Modules

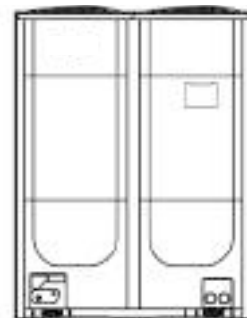
Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)	
			W	D	H					Gas	Liq.
4TVHL072B400NA	460/3/60	72,000	50.9	30.1	66.7	664	60	28.0	35	3/4	3/8
4TVHL096B400NA	460/3/60	96,000	50.9	30.1	66.7	728	61	38.0	45	7/8	3/8

Table DU-21-D — R-410A AccuFlex™ VRF ProHeat 460V Heat Recovery Single Modules

Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level ^①	MCA ^②	MOP ^②	Line Size (in)		
			W	D	H					Gas	Liq.	HOT Gas
4TVRL072B400NA	460/3/60	72,000	50.9	30.1	66.7	683	60	28.0	35	3/4	3/8	5/8
4TVRL096B400NA	460/3/60	96,000	50.9	30.1	66.7	743	61	38.0	45	7/8	3/8	3/4

This document is designed a quick reference guide, please consult VRF Select for all systems selections and the latest product data catalogue(s) for diagrams and final electrical data.

- ① Sound pressure was measured in a dead room. Actual noise level may be different depending on installation conditions.
 ② Information subject to change. Please confirm with current Product Data for current factory production.



American Standard AccuFlex™ VRF Outdoor Units

Controls

Family	Description	Model Number
Integrated System Management	VRF Enterprise Management Software	TVCTRLTSTP3P00
Building Management System Gateways	VRF System Controller +BACnet	TVRCTRLSCBB17A0
Centralized Control Systems	VRF System TouchScreen Control	TVCTRLTCMA300A
	VRF Mode Select Switch	TVCTRLTCMC2000
Zone Controllers	VRF Wireless Remote Control	TVCTRLTRDH00UA
	VRF Wireless Remote Control for Circular Cassettes (4TVS)	TVCREMOTE0001A
	VRF Wired Control	TVCTRLTWRWD02A
	VRF Simple Wired Touch Control	TVCTRLTWR0002A
	VRF Duct Signal Receiver & Wire	TVCTRLTRKA10N0
Interface Modules	VRF External Contact Interface Module	TVCTRLTIMB14A0
Sensors	VRF Ext. Room Temp Sensor	TVCTRLTRWTA000
Utility Kits	VRF Technician Utilities	TVCTRLTIMC0300

EEV Kits

Table for use with 4TVX models.

EEV Type	EEV Model Number	QTY OF INDOOR UNITS		
		4TVX0018B100NB		4TVX0024B100NB
Single Port EEV	4EEVEVA32SA000	1	or	1
Two Port EEV	4EEVXDA32K200A	0	and	2
	4EEVXDA32K200A	1	and	1
	4EEVXDA32K200A	2	and	0
Three Port EEV	4EEVXDA32K300A	0	and	3
	4EEVXDA32K300A	1	and	2
	4EEVXDA32K300A	2	and	1
	4EEVXDA32K300A	3	and	0

American Standard AccuFlex™ VRF Unit Accessories

Accessories

Family	Description	Model Number
Indoor Y-Joint	VRF Y-Joint <51MBh	4YDK1509B0051A
	VRF Y-Joint 51-138MBh	4YDK2512B0138A
	VRF Y-Joint 138-160MBh	4YDK2812B0160A
	VRF Y-Joint 160-240MBh	4YDK2815B0240A
	VRF Y-Joint 240-336MBh	4YDK3419B0336A
	VRF Y-Joint 336-468MBh	4YDK4119B0468A
	VRF Y-Joint >468MBh	4YDK4422B0999A
Indoor Y-Joint (High Pressure Gas for HR)	VRF Y-Joint HR ≤80MBh	4YDK1500B0080A
	VRF Y-Joint HR 80-240MBh	4YDK2500B0240A
	VRF Y-Joint HR 240-468MBh	4YDK3100B0468A
	VRF Y-Joint HR >468MBh	4YDK3800B0999A
Outdoor Y-Joint (Outdoor Connection)	Outdoor VRF Y-Joint ≤468MBh	4TDK3819B0000A
	Outdoor VRF T-Joint HR ≤468MBh	4TDK3100B0000A
Header Joint	VRF Header Joint 4Units <160MBh	4HJK2512B0159A
	VRF Header Joint 8Units ≤240MBh	4HJK3115B0241A
	VRF Header Joint 8Units >240MBh	4HJK3819B0998A
MCU-Kit	VRF MCU Kit up to 6 IDU	4MCUCUY6NCE000*
	VRF MCU Kit up to 4 IDU	4MCUCUY4NCE000*
	VRF MCU Kit 2 IDU HSP Only	4MCUCUY2NCE000*
	VRF Next Generation MCU Kit - 1 port	4MCUTV1A548B1A
	VRF Next Generation MCU Kit - 2 port	4MCUTV2A548B1A
	VRF Next Generation MCU Kit - 4 port	4MCUTV4A548B1A
	VRF Next Generation MCU Kit - 6 port	4MCUTV6A548B1A
4MCUTV Y Connectors	3/8" MCU Liquid Port Y Connector	KIT18189
	5/8" MCU Vapor Port Y Connector	KIT18190
EEV Kits (For Wall-mounted & Ceiling indoor unit)	VRF EEV Kit 1Unit 17-31MBh (4TVX0018-24)	4EEVEVA32SA000
	VRF EEV Kit 2Unit 17-31MBh (4TVX0018-24)	4EEVXDA32K200A
	VRF EEV Kit 3Unit 17-31MBh (4TVX0018-24)	4EEVXDA32K300A
Drain Pump	VRF Drain Pump Slim Duct	CONDPUMPXVLB01
	VRF Drain Pump HSP 76.8/96MBh	CONDPUMPXVHB01
	VRF Drain Pump High Wall & Ceiling	CONDPUMPAHWB01
Cassette Panel	VRF Cassette Panel Slim 1Way	TVEPANPC1NUSET
	VRF Cassette Panel Mini 4Way	PNL4WAYMINI23A
	VRF Cassette Panel 4Way	TVEPANPC4NUSET
Hail Guards	4TVH/4TVR0072B	TVGARD001A
	4TVH/4TVR0096B-192B, 4TV*L ProHeat	TVGARD002A
	4TVH0036B, 4TVH0048B, 4TVH0053B	TVGARD003A

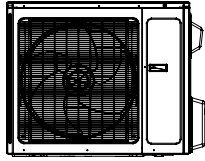
* Note: For application with Water Source Heat Recovery only (4TVP)

Table DU-23-A — R-410A VRF Software

VRF Select	PC Windows Based	Download from www.ASDealerNet.com
Technician Utility Software	PC Windows Based	Download from www.ASDealerNet.com

Ductless Single Zone System

Pro Series Single Phase – 1½ - 4 Tons



4TXU20

Table DU-24-A — Pro Series R-410A Single Zone System HP — Single Phase, 1½ to 4 Ton^{①②}

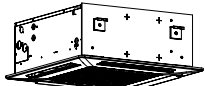
Outdoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4TXU2018A10N0A	208-230/1/60	17,100	37.6	15.6	27.6	115.0	56	17	25	1/2	1/4
4TXU2024A10N0A	208-230/1/60	23,800	38.6	16.8	31.1	163.0	57	24	40	5/8	3/8
4TXU2030A10N0A	208-230/1/60	28,200	38.6	16.8	31.1	170.0	58	24	40	5/8	3/8
4TXU2036A10N0A	208-230/1/60	34,000	43.6	17.3	43.3	223.0	63	29	45	5/8	3/8
4TXU2042A10N0A	208-230/1/60	39,500	37.7	16.2	53.1	232.0	61	31	50	5/8	3/8
4TXU2048A10N0A	208-230/1/60	48,000	37.7	16.2	53.1	254.0	59	45	70	5/8	3/8



4UXD20

Table DU-24-B — Pro Series R-410A Single Zone System Duct HP - Single Phase, 1½ to 4 Ton^{①②③}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4UXD2018A10N0A	208-230/1/60	18,000	40.8	28.4	10.5	83.8	28-40		15	1/2	1/4
4UXD2024A10N0A	208-230/1/60	24,000	50.4	22.0	10.6	86.0	40-47		15	5/8	3/8
4UXD2030A10N0A	208-230/1/60	30,000	50.4	22.0	10.6	86.0	40-47		15	5/8	3/8
4UXD2036A10N0A	208-230/1/60	36,000	48.3	30.5	11.4	116.9	44-53		15	5/8	3/8
4UXD2042A10N0A	208-230/1/60	42,000	48.3	30.5	11.4	116.9	44-53		15	5/8	3/8
4UXD2048A10N0A	208-230/1/60	48,000	52.8	29.5	13.8	143.3	45-55		15	5/8	3/8



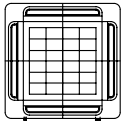
4UXC20

Table DU-24-C — Pro Series R-410A Single Zone System Cassette HP - Single Phase, 1½ to 4 Ton^{①②③}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4UXC2018A10N0A	208-230/1/60	18,000	26.2	23.5	9.4	52.9	37-47		15	1/2	1/4
4UXC2024A10N0A	208-230/1/60	24,000	36.1	33.1	9.4	83.8	38-47		15	5/8	3/8
4UXC2030A10N0A	208-230/1/60	30,000	36.1	33.1	12.6	97.0	40-49		15	5/8	3/8
4UXC2036A10N0A	208-230/1/60	36,000	36.1	33.1	12.6	97.0	43-51		15	5/8	3/8
4UXC2042A10N0A	208-230/1/60	42,000	36.1	33.1	12.6	97.0	43-51		15	5/8	3/8
4UXC2048A10N0A	208-230/1/60	48,000	35.8	35.8	11.4	110.2	41-53		15	5/8	3/8

Cassette Cover Panels (must be ordered separately)

Model Number	Description	Matches Cassette HP Model(s)
4UXL2018A10N0A	Cover Panel 26.4 x 26.4 x 2.0	4UXC2018A
4UXL2042A10N0A	Cover Panel 37.4 x 37.5 x 2.4	4UXC2024A - 4UXC2042A
4UXL2048A10N0A	Cover Panel 40.9 x 40.9 x 2.6	4UXC2048A



4UXL20

Table DU-24-D — Pro Series R-410A Single Zone System Floor/Ceiling HP - Single Phase, 1½ to 4 Ton^{①②③}

Indoor Model Number	Power Supply (Volts/Phase/Hz)	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions (in)			Shipping Weight (lbs)	Sound Pressure Level**	MCA*	Max. Fuse (A)*	Line Size (in)	
			W	D	H					OD Gas	OD Liq.
4UXX2018A10N0A	208-230/1/60	18,000	48.0	27.6	8.9	105.8	32-44		15	1/2	1/4
4UXX2024A10N0A	208-230/1/60	24,000	48.0	27.6	8.9	110.3	40-49		15	5/8	3/8
4UXX2030A10N0A	208-230/1/60	30,000	55.9	27.6	9.6	123.5	38-49		15	5/8	3/8
4UXX2036A10N0A	208-230/1/60	36,000	55.9	27.6	9.6	123.5	46-54		15	5/8	3/8
4UXX2042A10N0A	208-230/1/60	42,000	55.9	27.6	9.6	127.9	47-55		15	5/8	3/8
4UXX2048A10N0A	208-230/1/60	48,000	66.9	27.6	9.6	149.9	46-56		15	5/8	3/8



4UXX20

① Refer to the AHRI Directory for certified combinations and product performance.

② Outdoor unit must be matched with one of the three corresponding indoor units listed. These are one-to-one matched systems

③ Indoor units and outdoor units are powered from separate branch circuits

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

** Sound Pressure Level @3.3 ft. dB (A)

Ductless Single Zone System

Pro Series Single Phase – 1½ - 4 Tons

Table DU-25-A — Features

	4TXU20 Single Zone up to 20 SEER
• R410-A refrigerant.....	✓
• Nominal capacity 18-48 MBH	✓
• Cooling efficiency up to 20 SEER	✓
• Heating efficiency range 9-10 HSPF.....	✓
• Heat Pump	✓
• Crankcase Heater	✓
• Pan Heater	✓
• Low sound level.....	✓
• Blue fin anti-corrosion treatment	✓
• ETL and AHRI listed.....	✓
• Sleep mode function	✓
• Memory reset function	✓
• Low ambient heating and cooling to 0°F.....	✓
• Improved air quality with active carbon and catechin filters	✓
• Registered limited warranty 5-year on all other functional parts ①.....	✓
• Optional extended warranties available through third parties	✓

① Registered Limited Warranty terms are available when these products are registered within 60 days of installation. Registration can be done online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

Table DU-25-B —Optional Outdoor Unit Accessories

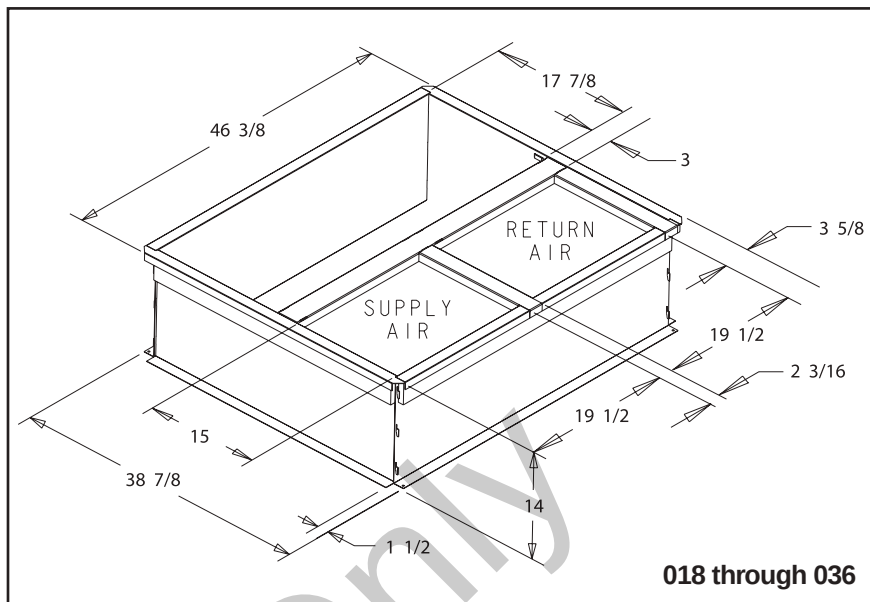
Model Number	Description	4TXU20 Single Zone up to 20 SEER
TAYREFLN560	Lineset Kit 1/4 x 1/2 - 25'	✓
TAYREFLN565	Lineset Kit 1/4 x 1/2 - 35'	✓
TAYREFLN570	Lineset Kit 1/4 x 1/2 - 50'	✓
TAYREFLN955	Lineset Kit 3/8 x 5/8 - 25'	✓
TAYREFLN960	Lineset Kit 3/8 x 5/8 - 35'	✓
TAYREFLN965	Lineset Kit 3/8 x 5/8 - 50'	✓
TAYREFLN970	Lineset Kit 3/8 x 5/8 - 100'	✓

Table DU-25-C —Optional Indoor Unit Accessories

Model Number	Description	4UXD20 Single Zone Indoor up to 20 SEER	4UXC20 Single Zone Indoor up to 20 SEER	4UXX20 Single Zone Indoor up to 20 SEER
AREMOTE2AHANDAA	Wireless controller.....	✓	✓	✓
TREWIRE2AHANDAA	Wired controller (shipped with, noted here for reorder reference).....	✓	✓	✓
AREPROG2AHANDAA	Programmable Wired controller	✓	✓	✓

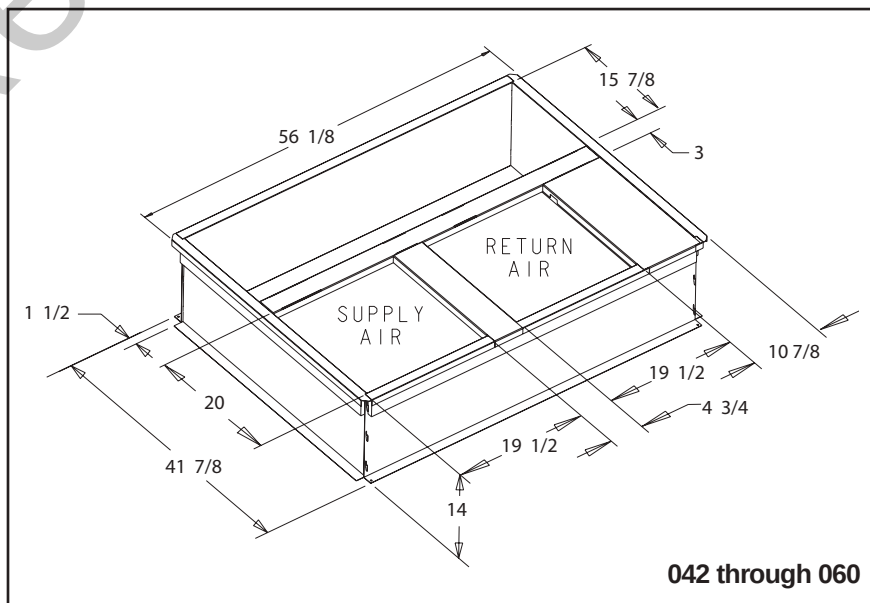
Roof Curbs

BAYCURB050A FULL PERIMETER ROOF MOUNTING CURB OUTLINE

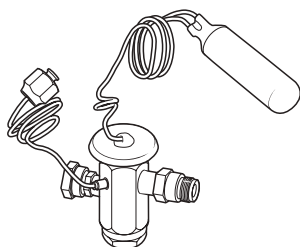


Full Perimeter BAYCURB050A	Full Perimeter BAYCURB051A
4TCY4024-036	4TCY4042-060
4TCX3018-036/4TCC3018-036	4TCX3042-060/4TCC3042-060
4WCZ6036/4DCZ6036	4WCZ6048-060/4DCZ6048-060
4WCY4024-036/4DCY4024-036	4WCY4042-060/4DCY4042-060
2/4WCX3018-036/2/4WCC3018-036	2/4WCX3042-060/2/4WCC3042-060
4YCZ6036	4YCZ6048-060
4YCY4024-036	4YCY4042-060
2/4YCX3018-036/2/4YCC3018-036	2/4YCX3042-060/2/4YCC3042-060

BAYCURB051A FULL PERIMETER ROOF MOUNTING CURB OUTLINE



Thermal Expansion Valves



**Expansion Valve TXV
Cooling/Heat Pump Kit**

General Information

This Thermostatic Expansion Valve Kit may be used on any indoor air handler or coil that is equipped with a current thermostatic expansion valve with an internal check valve and mechanical fittings. This kit can be used on split system heat pumps and air conditioning systems.

Thermostatic Expansion Valve Kits can be field installed to fit a variety of sizes and combinations of air handlers or coils and outdoor units to optimize performance.

This TXV kit will normally be used when a different refrigerant is going to be used in the air handler or coil than what is indicated on the unit name plate. The TXV type must always match the refrigerant type used in the outdoor unit.

Kit Identification

The first character in the kit model number indicates the type of refrigerant that the valve can be used with. Example a 2AYTXVH3D1830A is an R-22 valve.

The "3" in the eighth digit in the model number identifies the valve as a non-bleed TXV. When this TXV kit is installed with an outdoor unit that contains a reciprocating compressor, the outdoor unit must be equipped with a hard start kit if not factory installed. If the outdoor unit contains a scroll compressor, the installation of a hard start kit may be required.

Inspection

Check carefully for any shipping damage. Any such damage must be reported and claims made against the transportation company immediately. Any missing parts should be reported to your supplier at once and replaced with authorized parts only.

Table AC/IN-2-A Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow-TXA/C-BC Coils

R-410 Model Number	R-22 Model Numbers	Used With 13 SEER Coils
4AYTXVH3D1831A	2AYTXVH3C1818A	2/4TXC, TXA018
4AYTXVH3D1831A	2AYTXVH3C2425A	2/4TXC, TXA024,025
4AYTXVH3D1831A	2AYTXVH3C3031A	2/4TXC, TXA031
4AYTXVH3D3343A	—4TXC, 4TXA-032	
4AYTXVH3D3343A	2AYTXVH3C3337A	2/4TXC, TXA036,037
4AYTXVH3D3343A	2AYTXVH3C4243A	2/4TXC, TXA042,043
4AYTXVH3D4863A	—4TXC, 4TXA-044	
4AYTXVH3D4863A	2AYTXVH3C4850A	2/4TXC, TXA048,049,050
4AYTXVH3D4863A	2AYTXVH3C5463A	2/4TXC, TXA060,061,064

Table AC/IN-2-B Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow

R-410 Model Number	R-22 Model Number	Used With Horizontal Flat Coils
4AYTXVH3D1831A	2AYTXVH3C1818A	2/4TXF-018
4AYTXVH3D3343A	2AYTXVH3C3337A	2/4TXF-033
4AYTXVH3D3343A	2AYTXVH3C4243A	2/4TXF-041
4AYTXVH3D4863A	2AYTXVH3C5463A	2/4TXF-054
4AYTXVH3D4863A	2AYTXVH3C5463A	2/4TXF-063

Table AC/IN-2-C Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow-TXA/C-AS Coils

R-410 Model Number	R-22 Model Number	Used With AS Aluminum Coils
4AYTXVH3B2531A	2AYTXVH3B2531A	2/4TXA, TXC-025
4AYTXVH3B2531A	2AYTXVH3B2531A	2/4TXA, TXC-031
4AYTXVH3B3654A	2AYTXVH3B3637A	2/4TXA, TXC-036
4AYTXVH3B3654A	2AYTXVH3B3637A	2/4TXA, TXC-037
4AYTXVH3B3654A	2AYTXVH3B5454A	2/4TXA, TXC-054
4AYTXVH3B6165A	2AYTXVH3B6565A	2/4TXA, TXC-065

Table AC/IN-2-D Cooling/Heat Pump Non-Bleed TXV Kits – Dual Direction Flow 4NXA/4NXC

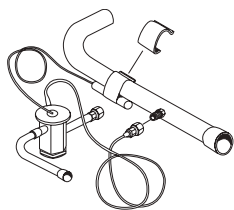
R-22 Number	Used With 4NXA & 4NXC Coils
2AYTXVH3E1824AA	4NXA, NXC – 018 - 024
2AYTXVH3E2536AA	4NXA, NXC – 025 - 036
2AYTXVH3E6363AA	4NXC - 063

Table AC/IN-2-E Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow

R-410 Number	R-22 Numbers	Used With Air Handlers
4AYTXVH3D1830A	2AYTXVH3D1830A	2TFB-018-030
4AYTXVH3D1831A	2AYTXVH3D1830A	2TFB-036
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TFE-025
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TEC-018-030
—	2AYTXVH3D3636A	2/4TEC-036
4AYTXVH3D3642A	—	2/4TEC-036-042
—	2AYTXVH3D4260A	2/4TEC-042-060
4AYTXVH3D4863A	—	2/4TEC-048-060
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TEH-018-030
—	2AYTXVH3D3636A	4TEH-036
4AYTXVH3D3642A	—	2TEH-036-042
—	2AYTXVH3D4260A	4TEH-042-060
4AYTXVH3D4863A	—	2TEH-048-060
4AYTXVH3D1800A	2AYTXVH3D1830A	2/4TGB-018
4AYTXVH3D1830A	2AYTXVH3D1830A	2/4TGB-025
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TGB-030
4AYTXVH3D3600A	2AYTXVH3D1830A	2/4TGB-036
4AYTXVH3D3343A	2AYTXVH3D4260A	2/4TGB-042
4AYTXVH3D4863A	2AYTXVH3D4260A	2/4TGB-048
4AYTXVH3D3642A	2AYTXVH3D4260A	2/4TEE-039
4AYTXVH3D4863A	2AYTXVH3D4260A	2/4TEE-048-064

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Thermal Expansion Valves



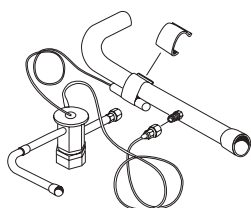
**Expansion Valve TXV
Cooling Kit**

Table AC/IN-3-A — Cooling Bleed TXV Kits – Single Direction Flow

Model Number	Used With AC Units	Liquid Line Connection Dia. I.D. (In.)	Gas Line Connection Dia. I.D. (In.)	Shipping Weight (lbs.)	Refrigerant
TAYTXVA0B5C	1-1½ Ton	1/4	5/8	2	R-22
TAYTXVA0C5C	2-2½ Ton	5/16	3/4	2	R-22
TAYTXVA0E5C	3-3½ Ton	3/8	7/8	2	R-22
TAYTXVA0G5C	4 Ton	3/8	1 1/8	2	R-22
TAYTXVA0H5C	5-6 Ton	3/8	1 1/8	2	R-22

Table AC/IN-3-B — Cooling Non-Bleed TXV Kits – Single Direction Flow

Model Number	Used With AC Units	Liquid Line Connection Dia. I.D. (In.)	Gas Line Connection Dia. I.D. (In.)	Shipping Weight (lbs.)	Refrigerant
TAYTXVA0B3C	1-1½ Ton	1/4	5/8	2	R-22
TAYTXVA0C3C	2-2½ Ton	5/16	3/4	2	R-22
TAYTXVA0E3C	3-3½ Ton	3/8	7/8	2	R-22
TAYTXVA0G3C	4 Ton	3/8	1 1/8	2	R-22
TAYTXVA0H3C	5-6 Ton	3/8	1 1/8	2	R-22



**Expansion Valve TXV
Heat Pump Kit***

Table AC/IN-3-C — Heat Pump Non- Bleed TXV Kits (also for cooling) – Dual Direction Flow

Model Number	Used With AC Units	Liquid Line Connection Dia. I.D. (In.)	Gas Line Connection Dia. I.D. (In.)	Shipping Weight (lbs.)	Refrigerant
TAYTXVH0B3C	1-1½ Ton	1/4	5/8	3	R-22
TAYTXVH0C3C	2-2½ Ton	5/16	3/4	3	R-22
TAYTXVH0E3C	3-3½ Ton	3/8	7/8	3	R-22
TAYTXVH0G3C	4 Ton	3/8	1 1/8	3	R-22
TAYTXVH0H3C	5-6 Ton	3/8	1 1/8	3	R-22

Table AC/IN-3-D — Cooling/Heat Pump Non-Bleed TXV Kits - Dual Direction Flow*

Model Number	Used With AC Units	Liquid Line Connection Dia. I.D. (In.)	Gas Line Connection Dia. I.D. (In.)	Shipping Weight (lbs.)	Refrigerant
TAYTXVH0D3C	2½ -3 Ton	3/8	1 1/8	2	R-22
TAYTXVH0G3C	4-5 Ton	3/8	1 1/8	2	R-22

Table AC/IN-3-E — R-410A Heat Pump Non-Bleed TXV Kits (also for cooling) - Dual direction flow

Model Number	Used With HP/AC Units	Liquid Line Connection Dia. I.D. (In.)	Gas Line Connection Dia. I.D. (In.)	Shipping Weight (lbs.)	Refrigerant
4AYTXVH3A1830A	1½-2½ Ton	5/16①	3/4②	2	R-410A
4AYTXVH3A3654A	3-4 Ton	3/8	7/8③	2	R-410A
4AYTXVH3A6060A	5 Ton	3/8	7/8	2	R-410A

① 1 1/2 ton requires 1/4" liquid line; reducer fittings provided.

② 1 1/2 ton requires 1/2" suction line, 2 ton requires 5/8; reducer fittings provided.

③ 3 & 3 1/2 ton requires 3/4" suction line; reducer fitting provided.

* Used with TXH coils only where approved for use with 2 compressor systems.

Notes:

- Use in place of FCCV (Above) on air handlers and coils
- Match TXV kit size to outdoor nominal cooling capacity
- Braze field connections

Equipment Date Identification

1980 – 2009

The nine digit serial numbers on all American Standard central air conditioning and heating products are employed to identify the year and fiscal week of product manufacture.

Year of manufacture First digit..... **M124X04CF**
 Fiscal week of manufacture..... Second and third digit **M124X04CF**
 Day of week of manufacture..... Fourth digit **M124X04CF**
 Consecutive order of production Last Five digits **M124X04CF**

Exception – Accessories are an exception to the nine digit serial number assignment and may have only three digits to indicate date code. Coils which have only three digits to indicate date code are an exception to the nine digit serial number assignment.

Year	Residential, ID & OD ^① Light Commercial Products & Compressors	Ducane Oil ^① Horizontal Gas Furnaces ^②	Year	Residential, ID & OD ^① Light Commercial Products & Compressors	Ducane Oil ^① Horizontal Gas Furnaces ^②	Year	Residential, ID & OD ^① Light Commercial Products & Compressors	Ducane Oil ^① Horizontal Gas Furnaces ^②
1980	O, A	L	1997	M	97	2014	14	—
1981	T	M	1998	N	98	2015	15	—
1982	U	N	1999	P	99	2016	16	—
1983	W	9	2000	R	—	2017	17	—
1984	X	Q	2001	Z	—	2018	18	—
1985	Y	85	2002	2	—	2019	19	—
1986	S	86	2003	3	—			
1987	B	87	2004	4	—			
1988	C	88	2005	5	—			
1989	D	89	2006	6	—			
1990	E	90	2007	7	—			
1991	F	91	2008	8	—			
1992	G	92	2009	9 or 09	—			
1993	H	93	2010	10	—			
1994	J	94	2011	11	—			
1995	K	95	2012	12	—			
1996	L	96	2013	13	—			

- ① Beginning with 1/1/96 (L01) Ducane oil furnace production uses same date code method as gas furnace. Prior to 1/1/96 Ducane serial number used last four digits = date code, example HA1234569540 1995, 40th week.

Example: 123456-**8 5 4 0**

Year of manufacture Fiscal week of manufacture

- ② Dedicated horizontal gas furnaces, production ceased after introduction of convertible furnaces. **2010**

Digit	Description	Current Digit Value Options
1 ST	Second to Last integer of the current calendar year	1 through 9 and blank space, Blank Space used when 0 (zero)
2 ND	Last integer of the current calendar year	0 through 9
3 RD	Fiscal Week (Tens numeral)	0 through 5
4 TH	Fiscal Week (Units numeral)	0 through 9
5 TH	Day of the Week	1 through 7
6 TH	Time Stamp	A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z
7 TH	Time Stamp	A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z
8 TH	Time Stamp	A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z
9 TH	Assembly Line Designator	A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z
10 TH	Plant Code	A, D, F, G, H, V, Y, X

Plant Codes: (starting around 1995)
A = Monterrey
D = Springhill, LA (used to be the last character of a 10 digit serial on Ft. Smith products when they were sold commercially back in the late 1980's)
F = Tyler, TX
G = Trenton, NJ
H = Ft. Smith, AR
L = Lynn Haven, FL
V = Vidalia, GA
X = Sourced products

Refrigerant Line Sets

Table AC/IN-5-A — Refrigerant Line Sets

Model Number	Gas Line ^{①②} Dia. O.D.	Liquid Line Dia. O.D. Length	Shipping Weight
TAYREFLN325	$\frac{7}{8}$	$\frac{3}{8}$ 25	20
TAYREFLN330	$\frac{7}{8}$	$\frac{3}{8}$ 30	24
TAYREFLN340	$\frac{7}{8}$	$\frac{3}{8}$ 40	30
TAYREFLN350	$\frac{7}{8}$	$\frac{3}{8}$ 50	39
TAYREFLN725	$\frac{3}{4}$	$\frac{3}{8}$ 25	19
TAYREFLN730	$\frac{3}{4}$	$\frac{3}{8}$ 30	22
TAYREFLN740	$\frac{3}{4}$	$\frac{3}{8}$ 40	28
TAYREFLN750	$\frac{3}{4}$	$\frac{3}{8}$ 50	35
TAYREFLN950	$\frac{5}{8}$	$\frac{3}{8}$ 50	30

① Gas line 90° bend one end.

② Gas line insulation $\frac{3}{4}$ " thickness.

Note: Contains a holding charge of Nitrogen.

Read Only

Refrigerant HFC 410A (R-410A)

Tables contain no allowances for vertical lift!

Table AC/IN-6-A — Liquid Line Selection Table for R-410A Single Speed Systems

Maximum Allowable Liquid Line Pressure Drop = 50 PSI
 Subtract .43 PSI for each foot of Liquid Lift (if any)
 Do Not Exceed this value when selecting Liquid Line.

Tube O.D.	Rated BTUH	Pressure Drop (PSI) For Total Equivalent Length											
		20'	40'	60'	80'	100'	120'	140'	160'	180'	200'	220'	240'
1/4"	15000	4.5	9.0	13.6	18.1	22.6	27.1	31.6	36.2	40.7	45.2	49.7	—
	18000	6.3	12.6	18.8	25.1	31.4	37.7	44.0	—	—	—	—	—
	24000	15.4	30.8	46.2	—	—	—	—	—	—	—	—	—
5/16"	15000	1.2	2.4	3.5	4.7	5.9	7.1	8.3	9.4	10.6	11.8	13.0	14.2
	18000	1.6	3.3	4.9	6.6	8.2	9.8	11.5	13.1	14.8	16.4	18.0	19.7
	24000	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1	24.8	27.6	30.4	33.1
	30000	4.1	8.3	12.4	16.6	20.7	24.8	29.0	33.1	37.3	41.4	45.5	49.7
	36000	5.8	11.6	17.3	23.1	28.9	34.7	40.5	46.2	—	—	—	—
3/8"	24000	1.0	1.9	2.9	3.8	4.8	5.8	6.7	7.7	8.6	9.6	10.6	11.5
	30000	1.4	2.9	4.3	5.8	7.2	8.6	10.1	11.5	13.0	14.4	15.8	17.3
	36000	2.0	4.0	6.1	8.1	10.1	12.1	14.1	16.2	18.2	20.2	22.2	24.2
	42000	2.7	5.3	8.0	10.6	13.3	16.0	18.6	21.3	23.9	26.6	29.3	31.9
	48000	3.4	6.8	10.2	13.6	17.0	20.4	23.8	27.2	30.6	34.0	37.4	40.8
1/2"	42000	.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.9	5.4	5.9	6.5
	48000	.7	1.4	2.0	2.7	3.4	4.1	4.8	5.4	6.1	6.8	7.5	8.2
	60000	1.0	2.1	3.1	4.2	5.2	6.2	7.3	8.3	9.4	10.4	11.4	12.5

Note 1: A blank space indicates a pressure drop of over 50 PSI.

Note 2: Other existing sources of pressure drop, (solenoid valves, etc.) must be considered.

Note 3: A vertical run with a heat pump system always results in a liquid lift (heating or cooling).

Note 4: The smallest liquid line diameter that results in a total liquid line pressure drop of 50 PSI or less results in the most reliable system (fewer pounds of R-410A).

Note 5: It is recommended to place units where 1/2" liquid line is not required due to the increased refrigerant volume imposed by the larger liquid line.

Note 6: At the time this manual was printed all outdoor units were rated with 3/8" liquid line.

Table AC/IN-6-B — Allowable Vapor Line Diameters and BTUH Loss (R-410A Single Speed Systems)

Nominal Tons	Tube O.D. (Inches)	Press. Drop PSI/100 Ft.	BTUH Loss For Equivalent Length										
			40'	60'	80'	100'	120'	140'	160'	180'	200'	220'	240'
1.0	1/2	5.0	70	160	250	340	430	520	610	700	790	880	970
	5/8	1.5	20	50	73	100	130	155	180	210	235	265	290
1.5	1/2	10.8	173	410	640	875	1110	1340	1575	1810	2040	2275	2510
	5/8	3.1	50	120	185	250	320	385	450	520	585	655	720
	3/4	1.2	20	45	70	95	125	150	175	200	225	255	280
2.0	5/8	5.4	115	270	430	585	740	895	1050	1205	1360	1515	1670
	3/4	2.0	45	100	160	215	275	330	390	445	505	560	620
2.5	5/8	8.2	220	515	810	1110	1400	1695	1990	2290	2585	2880	3175
	3/4	3.0	80	190	295	405	515	620	730	840	945	1055	1160
	7/8	1.3	35	80	130	175	220	270	315	365	410	455	505
3.0	5/8	11.7	380	885	1390	1895	2400	2905	3410	3915	4425	4930	—
	3/4	4.3	140	325	510	700	880	1070	1255	1440	1625	1810	2000
	7/8	1.9	60	145	225	310	390	470	555	635	720	800	880
3.5	3/4	5.8	220	510	805	1095	1390	1680	1975	2265	2560	2850	3140
	7/8	2.5	95	220	345	475	600	725	850	975	1105	1230	1355
4.0	3/4	7.4	320	745	1170	1600	2025	2450	2875	3305	3730	4155	4580
	7/8	3.2	140	325	510	690	875	1060	1245	1430	1615	1795	1980
	1-1/8③	.9	40	90	145	195	245	300	350	400	455	505	555
5.0	3/4	11.5	620	1450	2280	3105	3935	4760	5590	6415	7245	8073	8900
	7/8	4.9	265	615	970	1325	1675	2030	2380	2735	3080	3440	3795
	1-1/8	1.3	70	165	255	350	445	540	630	725	820	915	1005

Note 1: Shaded value indicates more than 10% capacity loss.

Note 2: Blank space indicates more than 15% capacity loss.

Note 3: Only approved for cooling units, do not use 1 1/8" vapor lines on heat pumps less than 5 ton.

Note 4: If linear length exceeds 150 feet, add 2 ounces of approved compressor oil per every 10 feet in excess of 150 feet. (Example: if the actual line length is 170 feet, add 4 ounces of oil to the system)

**This page contains limited data to fully determine if the application will work or to select required accessories.
 Please refer to publication 14-4050-01 for complete details and examples.**

Refrigerant Piping Information for Two Stage Split Systems

Table AC/IN-7-A — Allowable Vapor and Liquid Line Diameters for Two Stage, Single Compressor Split Systems

Rated Line Sizes	Line Sizes		Service Valve Connection Size		Max Line & Lift Lengths	
	Vapor Line	Liquid Line	Vapor Line Connection	Liquid Line Connection	TOTAL Max Line Length (ft)	Max Lift (ft)
2 Ton HP	5/8"	3/8"	5/8"	3/8"	150'	50'
3 Ton HP	3/4"	3/8"	3/4"	3/8"	80'	25'
4 Ton HP	7/8"	3/8"	7/8"	3/8"	150'	50'
5 Ton HP	1-1/8"	3/8"	1-1/8"	3/8"	80'	25'

Alternate Line Sizes	Line Sizes		Service Valve Connection Size		Max Line & Lift Lengths	
	Vapor Line	Liquid Line	Vapor Line Connection	Liquid Line Connection	TOTAL Max Line Length (ft)	Max Lift (ft)
2 Ton HP	5/8"	3/8"	5/8"	3/8"	150'	50'
	3/4"	3/8"			80'	25'
3 Ton HP	5/8"	3/8"	3/4"	3/8"	150'	50'
	7/8"	3/8"			80'	25'
4 Ton HP	3/4"	3/8"	7/8"	3/8"	150'	50'
5 Ton HP	3/4"	3/8"	1-1/8"	3/8"	150'	50'
	7/8"	3/8"			150'	50'

Rated Line Sizes	Line Sizes		Service Valve Connection Size		Max Line & Lift Lengths	
	Vapor Line	Liquid Line	Vapor Line Connection	Liquid Line Connection	TOTAL Max Line Length (ft)	Max Lift (ft)
2 Ton AC	5/8", 3/4"	3/8"	5/8"	3/8"	150'	50'
3 Ton AC	5/8", 3/4", 7/8"	3/8"	3/4"	3/8"	150'	50'
4 Ton AC	3/4", 7/8"	3/8"	7/8"	3/8"	150'	50'
5 Ton AC	3/4", 7/8", 1-1/8"	3/8"	1-1/8"	3/8"	150'	50'

See Application Bulletin SS-APB011-EN

Table AC/IN-7-B — Equivalent Length (Ft.) of Non-Ferrous Valves and Fittings (Brazed)

O.D. Tube Size (Inches)	Globe Valve	Angle Valve	Short Radius Ell	Long Radius Ell	Tee Line Flow	Tee Branch Flow
1/2*	70	24	4.7	3.2	1.7	6.6
5/8	72	25	5.7	3.9	2.3	8.2
3/4	75	25	6.5	4.5	2.9	9.7
7/8	78	28	7.8	5.3	3.7	12.0
1-1/8	87	29	2.7	1.9	2.5	8.0
1-3/8	102	33	3.2	2.2	2.7	10.0
1-5/8	115	34	3.8	2.6	3.0	12.0

Information for this chart extracted by permission from A.R.I. Refrigerant Piping Data, page 28.

* For smaller sizes, use 1/2" values.

This page contains limited data to fully determine if the application will work or to select required accessories. Please refer to publication SS-APG006-EN for complete details and examples.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Split Systems with Variable Speed Compressor

Subcooling Charging

Subcooling Charging in Cooling Above 55°F Outdoor Ambient Temperature

The manufacturer has always recommended installing American Standard approved matched indoor and outdoor systems.

All split systems are AHRI rated with TXV or EEV indoor systems.

The benefits of installing approved indoor and outdoor split systems are maximum efficiency, optimum performance and the best overall reliability.

The following charging methods are therefore prescribed for systems with indoor TXVs or EEVs.

1. Subcooling (in the cooling mode) is the only recommended method of charging between 55° and 120° ambient temperatures.
2. When charging for ambient temperatures above 120°, charge to 10° subcooling. It is important to return when outdoor ambient temperature is between 55° and 120° to verify system charge per these instructions.
3. For best results—the indoor temperature should be kept between 70° to 80°. Add system heat if needed.
4. Locate the designated subcooling target from the unit nameplate.
5. Run the system using the Charging Mode-Cooling test mode found in the 950 control. This is the only approved method for setting the system charge level. To access Charge Mode-Cooling from the 950 control home screen go to:
 - ▶ Menu
 - ▶ Service
 - ▶ Technician Access (hold for 5 seconds)
 - ▶ Proceed
 - ▶ Test Mode
 - ▶ Variable Speed
 - ▶ Charging Mode-Cooling and follow the on-screen prompts. Charging Mode-Cooling and follow the on-screen prompts.
6. At startup, or any time charge is removed or added, the system must be operated for a minimum of (20) minutes to stabilize before accurate measurements can be made.
7. Measure Liquid Line Temperature and Refrigerant Pressure at service valves.
8. Determine total refrigerant line length, and height (lift) if indoor section is above the condenser. Follow the Subcool Charging Corrections Table to calculate additional subcooling target value.
9. Locate your liquid line temperature in the left column of the table, and the intersecting liquid line gage pressure under the subcool selection column. Add refrigerant to raise the pressure to match the table, or remove refrigerant to lower the pressure. Always wait (20) minutes for the system conditions to stabilize before adjusting charge again.
10. When system is correctly charged, you can refer to System Pressure Curves to verify typical performance.

Table AC/IN-8-A — 024 Units

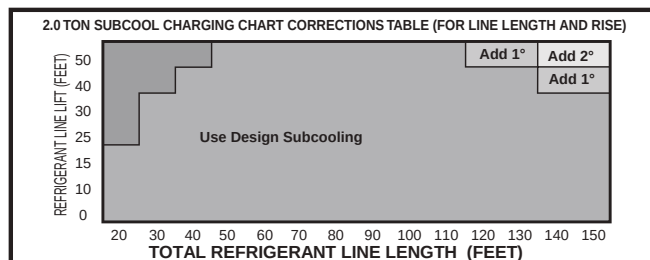


Table AC/IN-8-B — 036 Units

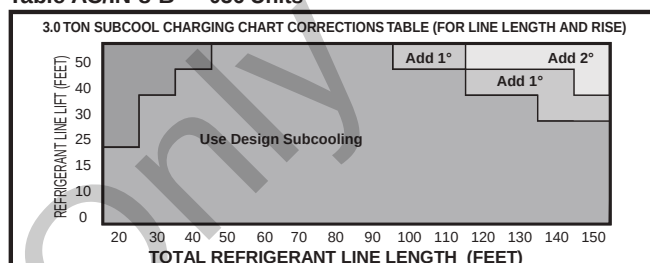


Table AC/IN-8-C — 048 Units

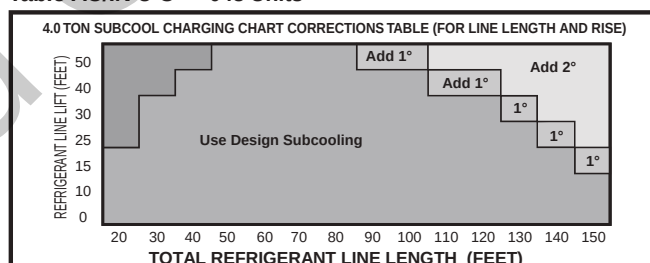
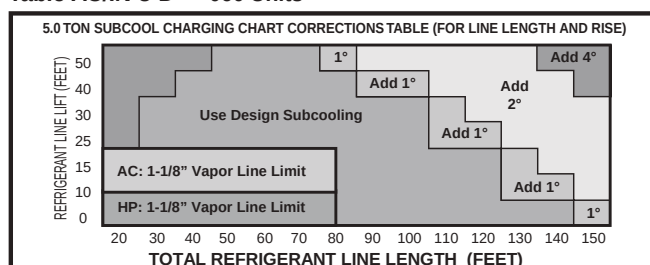


Table AC/IN-8-D — 060 Units



NOTE: 150 ft. length is approved ONLY with 7/8" vapor lines.

Split Systems with Variable Speed Compressor

B. Weigh-in Method

Weigh-in Method can be used for the initial installation or anytime a system charge is being replaced. Weigh-In Method can also be used when power to the equipment is not available or operation conditions (indoor/outdoor temperatures) are not in range to verify with the subcooling charging method. (Tables 15-17 assume 3/8" Liquid Line.)

Table AC/IN-9-A

18 SEER HEAT PUMPS			
A	B	C	D
Model	Factory Charge	Charge Adder for Indoor Coil	Charge Multiplier for Interconnecting Refrigerant Tube Length
024	7lb, 6oz	6oz	0.6oz per foot
036	8lb, 3oz	8oz	0.6oz per foot
037	9lb, 8oz	12oz	0.6oz per foot
048	9lb, 13oz	13oz	0.6oz per foot
049	10lb, 12oz	15oz	0.6oz per foot
060	11lb, 14oz	1lb, 2oz	0.6oz per foot

Note: The only mode approved for setting or validating system charge is using Charging Mode-Cooling. Charging Mode-Cooling is a variable speed test mode found in the 950/850 comfort control Technician Menu. Outdoor Temperature must be between 55°F and 120°F with Indoor Temperature kept between 70°F and 80°F.

Table AC/IN-9-B

20 SEER HEAT PUMPS			
A	B	C	D
Model	Factory Charge	Charge Adder for Indoor Coil	Charge Multiplier for Interconnecting Refrigerant Tube Length
024	7lb, 6oz	6oz	0.6oz per foot
036	9lb, 8oz	12oz	0.6oz per foot
048	10lb, 12oz	15oz	0.6oz per foot
060	11lb, 14oz	1lb, 2oz	0.6oz per foot

Table AC/IN-9-C

18 & 20 SEER AIR CONDITIONERS			
A	B	C	D
Model	Factory Charge	Charge Adder for Indoor Coil	Charge Multiplier for Interconnecting Refrigerant Tube Length
024	7lb, 6oz	6oz	0.6oz per foot
036	7lb, 14oz	7oz	0.6oz per foot
048	11lb, 1oz	1lb, 0oz	0.6oz per foot
060	11lb, 14oz	1lb, 2oz	0.6oz per foot

STEP 1 - Measure in feet and record the distance between the outdoor unit and the indoor unit. Include the entire length of the tubing from the service valve to the IDU.
 STEP 2 - Record the Charge Multiplier from Column D.
 STEP 3 - Multiply the total length of refrigerant tubing from Step 1 times the value from Step 2. Record the result.
 STEP 4 - Locate the outdoor equipment size from Column A of the appropriate table above and record the value found in Column C.
 STEP 5 - Add the values from Step 3 and Step 4 and record the resulting value. This is the amount of refrigerant to weigh-in prior to opening the service valves.

New Installation Weigh-In Method Worksheet

(Step 1) Line Length (ft) _____
 (Step 2) Value from Column D x _____
 (Step 3) Step 1 times Step 2 = _____
 (Step 4) Charge Adder (column C) + _____
 (Step 5) Refrigerant (Steps 3+4) = _____

STEP 1 - Measure in feet and record the distance between the outdoor unit and the indoor unit. Include the entire length of the tubing from the service valve to the IDU.
 STEP 2 - Record the Charge Multiplier from Column D.
 STEP 3 - Multiply the total length of refrigerant tubing from Step 1 times the value from Step 2. Record the result.
 STEP 4 - Locate the outdoor equipment size from Column A of the appropriate table above and record the value found in Column C.
 STEP 5 - Record the value in Column B.
 STEP 6 - Add the values from Step 3, Step 4 and Step 5 and record the resulting value. This is the amount of refrigerant to weigh-in.

Sealed-System Weigh-In Method Worksheet

(Step 1) Line Length (ft) _____
 (Step 2) Value from Column D x _____
 (Step 3) Step 1 times Step 2 = _____
 (Step 4) Charge Adder (column C) + _____
 (Step 5) Factory Charge (column B) + _____
 (Step 6) Refrigerant (Steps 3+4+5) = _____

Split Systems with Variable Speed Compressor

Table AC/IN-10-A — Charge Chart

R-410A REFRIGERANT CHARGING CHART							
LIQUID TEMP (°F)	DESIGN SUBCOOLING (°F)						
	8	9	10	11	12	13	14
	LIQUID GAGE PRESSURE (PSI)						
55	179	182	185	188	191	195	198
60	195	198	201	204	208	211	215
65	211	215	218	222	225	229	232
70	229	232	236	240	243	247	251
75	247	251	255	259	263	267	271
80	267	271	275	279	283	287	291
85	287	291	296	300	304	309	313
90	309	313	318	322	327	331	336
95	331	336	341	346	351	355	360
100	355	360	365	370	376	381	386
105	381	386	391	396	402	407	413
110	407	413	418	424	429	435	441
115	435	441	446	452	458	464	470
120	464	470	476	482	488	495	501
125	495	501	507	514	520	527	533
Refer to Service Facts or Installer's Guide for charging method.							

From Dwg. D154557P01 Rev. 3

Table AC/IN-10-B — Line Sizes Rated Line Sizes

MODEL	RATED LINE SIZE		SERVICE VALVE CONNECTION SIZE	
	Vapor Line	Liquid Line	Vapor Line	Liquid Line
HP 4A6V				
HP 024	5/8" (a)	3/8"	5/8"	3/8"
HP 036	3/4" (a)	3/8"	3/4"	3/8"
HP 037	3/4" (a)	3/8"	3/4"	3/8"
HP 048	7/8" (a)	3/8"	7/8"	3/8"
HP 049	7/8" (a)	3/8"	7/8"	3/8"
HP 060	1-1/8" (b)	3/8"	7/8"	3/8"
AC 4A7V				
AC 024	5/8" (a)	3/8"	5/8"	3/8"
AC 036	3/4" (a)	3/8"	3/4"	3/8"
AC 048	7/8" (a)	3/8"	7/8"	3/8"
AC 060	1-1/8" (c)	3/8"	7/8"	3/8"

(a) The maximum length of refrigerant lines from outdoor to indoor unit must NOT exceed 150 feet. The maximum vertical change must NOT exceed 50 feet.

(b) The maximum length of refrigerant lines from outdoor to indoor unit must NOT exceed 80 feet. The maximum vertical change must NOT exceed 10 feet.

(c) The maximum length of refrigerant lines from outdoor to indoor unit must NOT exceed 80 feet. The maximum vertical change must NOT exceed 25 feet.

Table AC/IN-10-C — Alternate Line Sizes

MODEL	LINE SIZE		SERVICE VALVE CONNECTION SIZE	
	Vapor Line	Liquid Line	Vapor Line	Liquid Line
HP 4A6V				
HP 024	3/4" (a)	5/16" (d)	5/8"	3/8"
HP 036	5/8" (a)	5/16" (d)	3/4"	3/8"
	7/8" (c)	5/16" (d)	3/4"	3/8"
HP 037	5/8" (a)	5/16" (d)	3/4"	3/8"
	7/8" (c)	5/16" (d)	3/4"	3/8"
HP 048	3/4" (a)	3/8"	7/8"	3/8"
HP 049	3/4" (a)	3/8"	7/8"	3/8"
HP 060	3/4" (a)	3/8"	7/8"	3/8"
	7/8" (a)	3/8"	7/8"	3/8"
AC 4A7V				
AC 024	3/4" (a)	5/16"	5/8"	3/8"
AC 036	5/8" (a)	5/16"	3/4"	3/8"
	7/8" (c)	5/16"	3/4"	3/8"
AC 048	3/4" (a)	3/8"	7/8"	3/8"
AC 060	3/4" (a)	3/8"	7/8"	3/8"
	7/8" (a)	3/8"	7/8"	3/8"

(a) The maximum length of refrigerant lines from outdoor to indoor unit must NOT exceed 150 feet. The maximum vertical change must NOT exceed 50 feet.

(b) The maximum length of refrigerant lines from outdoor to indoor unit must NOT exceed 80 feet. The maximum vertical change must NOT exceed 10 feet.

(c) The maximum length of refrigerant lines from outdoor to indoor unit must NOT exceed 80 feet. The maximum vertical change must NOT exceed 25 feet.

(d) If using 5/16", the change adder is 0.0270 lbs/ft (0.43 oz/ft).

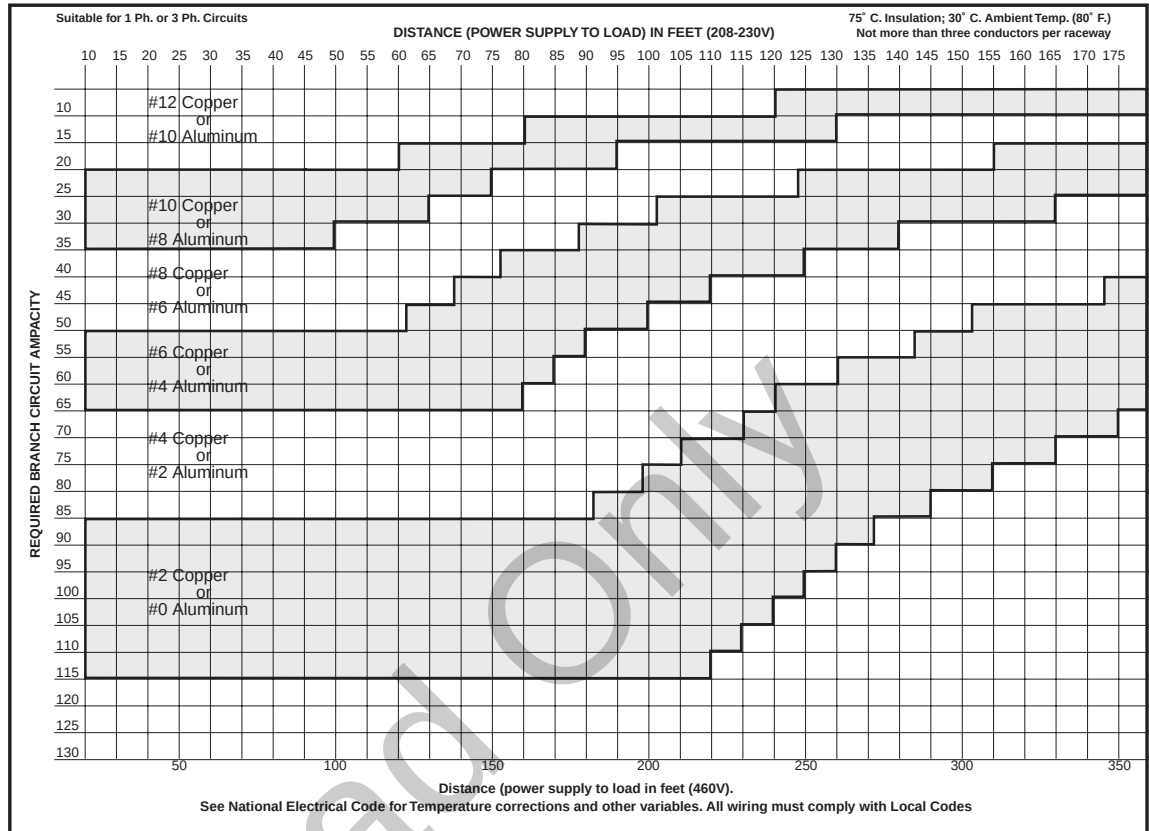
Branch Circuit Wire Sizing Table/ Heater De-Rating Chart

BRANCH CIRCUIT WIRE SIZING TABLE

(Based on 2% Voltage Drop)

Chart is based on 75° C. wire. (Types FEPW, RH, RHW, THW, THWN, XHHW, USE, AND ZW.)

Use Chart For Wire Sizing Only. Refer To Electrical Code, (Or Product Specs.) For Fuse Sizing

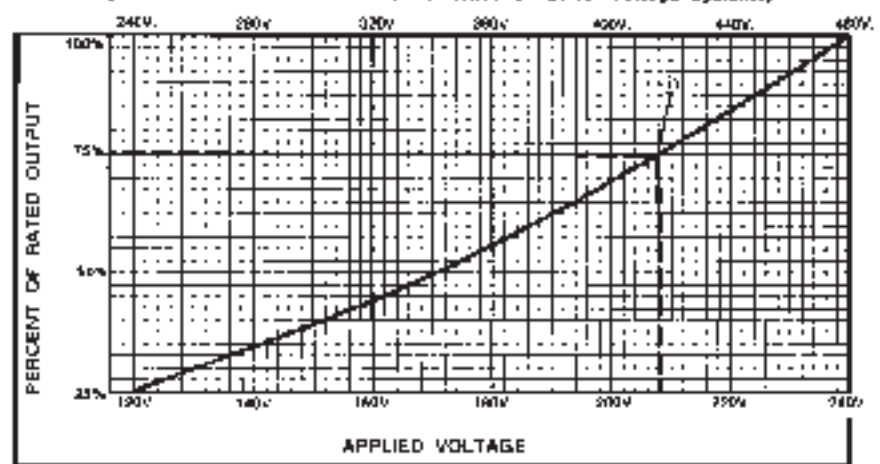


Heater De-Rating Chart

The output of electric heaters, applied at voltages other than the rated 240 or 480 volts, can be easily determined with the use of this chart.

ELECTRIC HEATER DE-RATING CHART

(For 240V or 480V Rated Heaters Installed on Lower Voltage Systems)



EXAMPLE Calculated Heat Loss — 29,200 BTU/H Power Supply — 208V.
 The chart indicates that any 240V heater will deliver 75% of its rated capacity at 208V.

$\frac{29,200 \text{ BTU/H}}{.75} = 38,933 \text{ BTU/H}$ | Select a heater having AT LEAST 39,000 BTU/H capacity at 240V

Basic Air Conditioning Formulas

Basic Air Conditioning Formulas

TO DETERMINE	EXPRESSED AS	COOLING	HEATING and/or HUMIDIFYING
Total Airflow	CFM_T	1. $CFM_T = \frac{N_T V}{60 \text{ min./hr.}}$	1. $CFM_T = \frac{N_T V}{60 \text{ min./hr.}}$
Infiltration or Ventilation	CFM_O	2. $CFM_O = \frac{N_O V}{60 \text{ min./hr.}}$	2. $CFM_O = \frac{N_O V}{60 \text{ min./hr.}}$
Number of Air Changes Per Hour – Total	N_T	3. $N_T = \frac{CFM_T (60 \text{ min./hr.})}{V}$	3. $N_T = \frac{CFM_T (60 \text{ min./hr.})}{V}$
Number of Air Changes Per Hour – Outdoor Air	N_O	4. $N_O = \frac{CFM_O (60 \text{ min./hr.})}{V}$	4. $N_O = \frac{CFM_O (60 \text{ min./hr.})}{V}$
Total Heat (H_T)	Btuh	5. $H_T = CFM_T \times 4.5 \times (h_1 - h_2) = \text{Btuh}$	6. $H_T = CFM_T \times 4.5 \times (h_2 - h_1) = \text{Btuh}$
Sensible Heat (H_S)	Btuh	7. $H_S = CFM_T \times 1.08 \times (T_1 - T_2) = \text{Btuh}$	8. $H_S = CFM_T \times 1.08 \times (T_2 - T_1) = \text{Btuh}$
Latent Heat (H_L)	Btuh	9. $H_L = CFM_T \times .68 \times (W_1 - W_2) = \text{Btuh}$	10. $H_L = CFM_T \times .68 \times (W_2 - W_1) = \text{Btuh}$
Entering Air Temperature (T_1) (Mixed Air)	°F. D.B.	11. $T_1 = t_1 + \frac{CFM_O}{CFM_T} \times (t_2 - t_1) = \text{°F.D.B.} \text{ ①}$ ① If duct heat gain is a factor, add to T_1 : $\frac{\text{Duct Heat Gain (Btuh)}}{CFM_T \times 1.08}$	12. $T_1 = t_1 - \frac{CFM_O}{CFM_T} \times (t_1 - t_2) = \text{°F.D.B.} \text{ ②}$ ② If duct heat loss is a factor, subtract from T_1 : $\frac{\text{Duct Heat Loss (Btuh)}}{CFM_T \times 1.08}$
Leaving Air D.B. Temperature (T_2)	°F. D.B.	13. $T_2 = T_1 - \frac{H_S}{CFM_T \times 1.08} = \text{°F.D.B.}$	14. $T_2 = T_1 + \frac{H_S}{CFM_T \times 1.08} = \text{°F.D.B.}$
Required Airflow	CFM_T	15. $CFM_T = \frac{H_S (\text{total})}{1.08 \times (T_1 - T_2)} = \text{CFM}$ OR $CFM_T = \frac{H_S (\text{internal}) \text{ ③}}{1.08 \times (t_1 - T_2)} = \text{CFM}$ ③ Sensible load of outside air not included	16. $CFM_T = \frac{H_S}{1.08 \times (T_2 - T_1)} = \text{CFM}$
Enthalpy – Leaving Air (h_2)	Btu/lb. dry air	17. $h_2 = h_1 - \frac{H_T}{CFM_T \times 4.5} = \text{Btu/lb. dry air}$	18. $h_2 = h_1 + \frac{H_T}{CFM_T \times 4.5} = \text{Btu/lb. dry air}$
Leaving Air W.B. Temperature	°F.W.B.	19. Refer to Enthalpy Table and read W.B. temperature corresponding to enthalpy of leaving air (h_2) (see #17).	20. Refer to Enthalpy Table and read W.B. temperature corresponding to enthalpy of leaving air (h_2) (see #18).
Heat Required to Evaporate Water Vapor Added to Ventilation Air	Btuh	21. $H_L = CFM_O \times .68 (W_3 - W_O) = \text{Btuh}$	22. $H_L = CFM_O \times .68 (W_3 - W_O) = \text{Btuh}$
Humidification Requirements	Lbs. water/hr.	23. $\left(\frac{\text{Make up}}{\text{Moisture}} \right) = \frac{\text{Excess Latent Capacity of System} \times \% \text{ Run Time}}{1060 \text{ Btu/lb.}} = \text{lbs./hr.}$ (Industrial Process Work)	24. $\left(\frac{\text{Make up}}{\text{Moisture}} \right) = \frac{H_L \text{ loss Btuh (see #22)}}{1060 \text{ Btu/lb.}} = \text{lbs./hr.}$

LEGEND	DERIVATION OF AIR CONSTANTS
CFM_T = Total airflow cubic feet/min. CFM_O = Outdoor air cubic feet/min. N_T = Total air changes per hour N_O = Outdoor air, air changes per hour V = Volume of space cubic feet H_T = Total heat Btuh H_S = Sensible heat Btuh H_L = Latent heat Btuh h_1 = Enthalpy or total heat of entering air h_2 = Enthalpy or total heat of leaving air T_1 = Temperature of entering air T_2 = Temperature of leaving air T_{adp} = Apparatus dewpoint t_1 = Indoor design temperature t_2 = Outdoor design temperature W_1 = Grains of water/lb. of dry air at entering condition W_2 = Grains of water/lb. of dry air at leaving condition W_3 = Grains of water/lb. of dry air at indoor design conditions W_O = Grains of water/lb. of dry air at outdoor design conditions	The air constants below apply specifically to standard air which is defined as dry air at 70°F and 14.7 P.S.I.A. (29.92 in. mercury column). They can, however, be used in most cooling calculations unless extremely precise results are desired. 4.5 (To convert CFM to lbs./hr.) $4.5 = \frac{60 \text{ min./hr.}}{13.33}$ or $60 \times .075$ Where 13.33 is the specific volume of standard air (cu.ft./lb.) and .075 is the density (lbs./cu.ft.) $1.08 = \frac{.24 \times 60}{13.33}$ or $.24 \times 4.5$.24 BTU = specific heat of standard air (BTU/LB./°F) $.68 = \frac{60}{13.33} \times \frac{1060}{7000}$ or $4.5 \times \frac{1060}{7000}$ Where: 1060 = Average Latent Heat of water vapor (BTU/LB.). 7000 = Grains per lb.

* See Enthalpy of air (Total Heat Content of Air) Table for exact values.

Low Ambient Accessories Cooling and Heating Models

Table AC/IN-13-A — Low Ambient Accessories Cooling Models

Low Ambient Accessory For American Standard Residential Cooling Units												
Cooling Unit	55°F	30°F to 55°F			0°F to 30°F or 20°F to 30°F - Please Reference Lowest Approved Outdoor Operating Temperature per Model Family Table							
	As Manufactured	AY28X079	TXV-NB	CCHT	BAYLOAM103*	BAYLOAM107A*	AY28X079	TXV-NB	Start Kit	Compressor Crankcase Heater	Windshield	Liquid Line Solenoid Valve
4A7C3 ①	X	X	X	X	X		X	X	N/A	X	X	X
4A7C4 4A7C7	X	X	X	X	X		X	X	N/A	X	X	X
4A7A3	X	X	X	X	X		X	X	X	X	X	X
4A7A4-L	X	X	X	X	X		X	X	X	X	X	X
4A7L6 ②	X	X	X	X		X	X	X	X	X	X	X
4A7A6-J 4A7A7	X	X	X	X	X		X	X	X	X	X	X
4A7V8	X	NOT APPROVED										
4A7V00	X	NOT APPROVED										

Table AC/IN-13-B - Low Ambient Accessories Heating Models

Low Ambient Accessory For American Standard Residential Heat Pump Units Operating in Cooling												
Heat Pump Unit	55°F	30°F to 55°F			0°F to 30°F or 20°F to 30°F - Please Reference Lowest Approved Outdoor Operating Temperature per Model Family Table							
	As Manufactured	AY28X079	TXV-NB	CCHT	BAYLOAM103*	BAYLOAM107A*	AY28X084	TXV-NB	Start Kit	Compressor Crankcase Heater	Windshield	Liquid Line Solenoid Valve
4A6C4 ①	X	X	X	X		X	X	X	N/A	X	X	
4A6C7	X	X	X	X		X	X	X	N/A	X	X	
4A6H4 4A6H5	X	X	X	X		X	X	X	X	X	X	
4A6H6-H	X	X	X	X		X	X	X	X	X	X	
4A6L6 ①	X	X	X	X		X	X	X	X	X	X	
4A6H7	X	X	X	X		X	X	X	X	X	X	
4A6V8	X	NOT APPROVED										
4A6V00	X	NOT APPROVED										

Charts are for quick reference only. For complete application guidelines, consult the specific SSC-APG***

① Reference AMSSP-APG001-EN for complete Low Ambient Guidelines

② Reference SSC-APG014A-EN for Side Discharge Low Ambient Application Guidelines

Reference SSC-APG012A-EN for complete Low Ambient Guidelines

* DO NOT Apply BAYLOAM103/107 to model tonnages with variable speed condenser fan motors

* If Defrost Control is CNT07255, CNT07482 use BAYLOAM107

Table AC/IN-13-C — Lowest Approved Outdoor Operating Temperature for Cooling Operation per Model Family Table

Model Family	Lowest Approved Outdoor Ambient	
	AC	HP
4A7V8 / 4A6V8 / 4A7V00 / 4A6V00	55°F	55°F
4A7C3	0°F	0°F
4A7C4 / 4A6C4 / 4A7C7 / 4A6C7	20°F	10°F
4A7A3	0°F	0°F
4A7A4 / 4A6H4 / 4A6H5	20°F	10°F
4A7A6 / 4A6H6 ** / 4A7L6 / 4A6L6	20°F	10°F
4A7A7 / 4A6H7	20°F	10°F

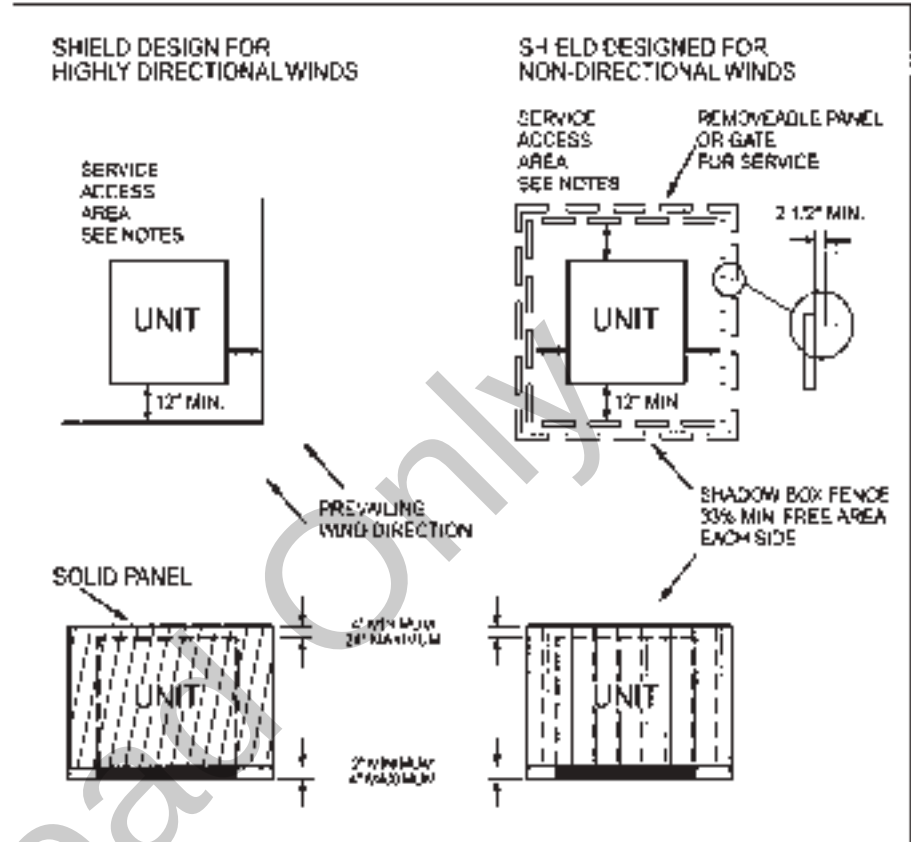
** Models with variable speed condenser motors are approved to 30°F

For a detailed Application Bulletin on required accessories and wind shields for low outdoor ambient operation, please contact your Territory Manager or Local FSR.

Wind Shields

Wind Shields are required to block prevailing winds across condenser coil. In applications where cooling

operation is required to 0°F, wind shields are a Must. Use the following guidelines for your application.

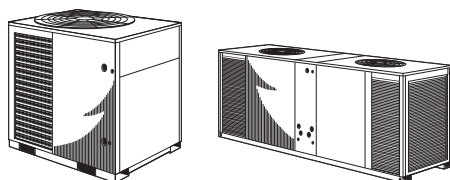


Notes:

Minimum working clearance must be in compliance with the National Electric Code. Currently, the minimum clearance between a wood or suitable grounding material type fence requires minimum 3 feet. If other material is used to form the windshield, the minimum space may be increased to 3.5 feet. Please consult the 2006 Edition of the National Electric Code, Article 110 for the most up to date information, please refer to the most current National Electric Code.

For a detailed Application Bulletin on required accessories and wind shields for low outdoor ambient operation, please contact your Territory Manager or Local FSR.

Split System Cooling Three Phase – 6-25 Tons, R-410A



TTA – 6-25 Tons

- ReliaTel™ controls option
- (1) Scroll compressor (TTA073-120G)
- (2) Scroll compressors (TTA073H-240H) with independent refrigerant circuits
- (2) Manifolded scroll compressors (TTA120J, 180F-300J)
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- All Aluminum microchannel coil
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

1 2 3 4 5 6 7 8 9 10 11 12
 T T A 0 9 0 G 3 0 0 A 0

Compressor Type

G = Single Compressor/Single Refrigerant Circuit, R-410A
 H = Dual Compressor/Dual Refrigerant Circuit, R-410A
 J = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

Factory-Installed Options

00 = Packed Stock
 0S = Complete Coat Coated Coil
 0R = ReliaTel™ Controls
 0T = ReliaTel™ Controls and Complete Coat Coated Coil

1 2 3 4 5 6 7 8 9 10 11 12
 T T A 0 9 0 G 3 0 0 A 0

Compressor Type

G = Single Compressor/Single Refrigerant Circuit, R-410A
 H = Dual Compressor/Dual Refrigerant Circuit, R-410A
 J = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

Factory-Installed Options

H0 = Hail Guard
 HS = Hail Guard and Complete Coat Coated Coil
 HR = Hail Guard and ReliaTel™ Controls
 HT = Hail Guard and ReliaTel™ Controls with Complete Coat Coated Coil

Table LSC-1-A — TTA Split System Cooling — Single Compressor — R-410 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size	
			H	W	L					OD Gas	OD Liq.
TTA073G300A	208-230/3/60	76,000	46	45	38	310	84	30.5	50	1 ¹ / ₈	1 ¹ / ₂
TTA090G300A	208-230/3/60	95,000	46	45	38	320	83	34.4	45	1 ¹ / ₈	1 ¹ / ₂
TTA120G300A	208-230/3/60	120,000	46	55	42	416	90	42.6	60	1 ¹ / ₈	1 ¹ / ₂
TTA073G400A	460/3/60	76,000	46	45	38	310	84	13	20	1 ¹ / ₈	1 ¹ / ₂
TTA090G400A	460/3/60	95,000	46	45	38	320	83	17.7	20	1 ¹ / ₈	1 ¹ / ₂
TTA120G400A	460/3/60	120,000	46	55	42	416	90	23.4	30	1 ¹ / ₈	1 ¹ / ₂
TTA073GW00A	575/3/60	76,000	46	45	38	310	84	10.5	15	1 ¹ / ₈	1 ¹ / ₂
TTA090GW00A	575/3/60	95,000	46	45	38	320	83	14.5	20	1 ¹ / ₈	1 ¹ / ₂
TTA120GW00A	575/3/60	120,000	46	55	42	416	90	17.5	25	1 ¹ / ₈	1 ¹ / ₂

Table LSC-1-B — TTA Split System Cooling — Dual Compressors with Two Sets of Refrigerant Circuits — R-410 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size	
			H	W	L					OD Gas	OD Liq.
TTA090H300A	208-230/3/60	95,000	46	45	38	384	91	36	50	1 ¹ / ₈	1 ¹ / ₂
TTA120H300A	208-230/3/60	124,000	46	55	42	428	91	41	45	1 ¹ / ₈	1 ¹ / ₂
TTA150H300A	208-230/3/60	153,000	52	55	42	514	91	56	70	1 ¹ / ₈	1 ¹ / ₂
TTA180H300A	208-230/3/60	186,000	52	96	48	750	93	67	90	1 ³ / ₈	1 ¹ / ₂
TTA240H300A	208-230/3/60	256,000	52	96	48	904	94	98	125	1 ³ / ₈	1 ¹ / ₂
TTA090H400A	460/3/60	95,000	46	45	38	384	91	16.9	20	1 ¹ / ₈	1 ¹ / ₂
TTA120H400A	460/3/60	124,000	46	55	42	428	91	20.1	25	1 ¹ / ₈	1 ¹ / ₂
TTA150H400A	460/3/60	153,000	52	55	42	514	91	27	35	1 ¹ / ₈	1 ¹ / ₂
TTA180H400A	460/3/60	186,000	52	96	48	750	93	33	40	1 ³ / ₈	1 ¹ / ₂
TTA240H400A	460/3/60	256,000	52	96	48	904	94	47	60	1 ³ / ₈	1 ¹ / ₂
TTA090HW00A	575/3/60	95,000	46	45	38	384	91	12.2	15	1 ¹ / ₈	1 ¹ / ₂
TTA120HW00A	575/3/60	124,000	46	55	42	428	91	15.5	20	1 ¹ / ₈	1 ¹ / ₂
TTA150HW00A	575/3/60	153,000	52	55	42	514	91	20	25	1 ¹ / ₈	1 ¹ / ₂
TTA180HW00A	575/3/60	186,000	52	96	48	750	93	25	30	1 ³ / ₈	1 ¹ / ₂
TTA240HW00A	575/3/60	256,000	52	96	48	904	94	39	50	1 ³ / ₈	1 ¹ / ₂

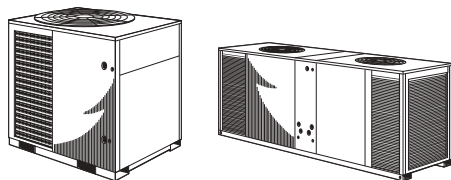
① Sound rating show is tested in accordance with ARI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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TTA – 6-25 Tons

Split System Cooling Three Phase – 6-25 Tons, R-22

- ReliaTel™ controls option (Heat Pump only)
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- 1-year limited parts warranty
- Optional Extended Warranties

1 2 3 4 5 6 7 8 9 10 11 12
T T A 0 0 A 3 0 0 A 0

Compressor Type

A=Single Compressor/Single Circuit R-22
B=Dual Compressor/Dual Circuit R-22

Factory-Installed Options

00=ReliaTel™ Controls

Table LSC-2-A — TTA Split System Heat Pumps - Single Compressors with Single Refrigerant Circuits - R-22 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size	
			H	W	L					OD Gas	OD Liq.
TTA090A300G	208-230/3/60	90,000	39	36	42	363	83	31.1	45	1 ³ / ₈	5 ⁷ / ₈
TTA120A300G	208-230/3/60	120,000	45	40	52	467	90	42.6	60	1 ³ / ₈	1 ¹ / ₂
TTA090A400G	460/3/60	90,000	39	36	42	363	83	15.2	25	1 ³ / ₈	1 ¹ / ₂
TTA120A400G	460/3/60	120,000	45	40	52	467	90	21.9	30	1 ³ / ₈	1 ¹ / ₂

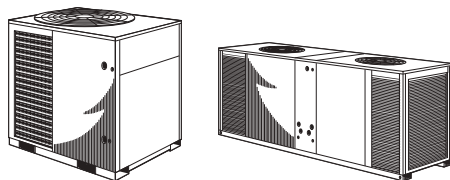
Table LSC-2-B — TTA Split System Heat Pumps - Dual Compressors with Dual Refrigerant Circuits - R-22 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size	
			H	W	L					OD Gas	OD Liq.
TTA180B300G	208-230/3/60	180,000	46	45	95	850	93	60.4	80	1 ³ / ₈	1 ¹ / ₂
TTA240B300G	208-230/3/60	240,000	46	45	95	970	94	77.7	100	1 ³ / ₈	1 ¹ / ₂
TTA180B400G	460/3/60	180,000	46	45	95	850	93	29.5	40	1 ³ / ₈	1 ¹ / ₂
TTA240B400G	460/3/60	240,000	46	45	95	970	94	39.9	50	1 ³ / ₈	1 ¹ / ₂

^① Sound rating show is tested in accordance with AHRI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Split System Cooling Three Phase – 6-25 Tons, R-410A



TTA – 6-25 Tons

- ReliaTel™ controls option
- (1) Scroll compressor (TTA073G-120G)
- (2) Scroll compressors (TTA120H-300H) with independent refrigerant circuits
- (2) Manifolded scroll compressors (TTA120J, 180-240J)
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

1 2 3 4 5 6 7 8 9 10 11 12
 T T A 0 9 0 G 3 0 0 A 0

Compressor Type

- G = Single Microchannel Compressor/Single Refrigerant Circuit, R-410A
 H = Dual Microchannel Compressor/Dual Refrigerant Circuit, R-410A
 J = Dual Microchannel Compressor/Single Manifolded Refrigerant Circuit, R-410A

Factory-Installed Options

- 00 = Packed Stock
 OS = Complete Coat Coated Coil
 OR = ReliaTel™ Controls
 OT = ReliaTel™ Controls and Complete Coat Coated Coil

1 2 3 4 5 6 7 8 9 10 11 12
 T T A 0 9 0 G 3 0 0 A 0

Compressor Type

- G = Single Compressor/Single Refrigerant Circuit, R-410A
 H = Dual Compressor/Dual Refrigerant Circuit, R-410A
 J = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

Factory-Installed Options

- H0 = Hail Guard
 HS = Hail Guard and Complete Coat Coil
 HR = Hail Guard and ReliaTel™ Controls
 HT = Hail Guard and ReliaTel™ Controls with Complete Coat Coil

Table LSC-3-A — TTA Split System Cooling — Dual Manifolded Compressors with Single Refrigerant Circuits — R-410 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size	
			H	W	L					OD Gas	OD Liq.
TTA120J300A	208-230/3/60	124,000	46	55	42	474	91	41	50	1 ³ / ₈	1 ¹ / ₂
TTA180J300A	208-230/3/60	186,000	52	96	48	750	93	65	80	1 ⁵ / ₈	5 ⁵ / ₈
TTA240J300A	208-230/3/60	256,000	52	96	48	904	94	98	125	1 ⁵ / ₈	5 ⁵ / ₈
TTA300J300A	208-230/3/60	303,000	58	96	48	969	94	103	125	2 ¹ / ₈	5 ⁵ / ₈
TTA120J400A	460/3/60	124,000	46	55	42	474	91	20	25	1 ³ / ₈	1 ¹ / ₂
TTA180J400A	460/3/60	186,000	52	96	48	750	93	32	40	1 ⁵ / ₈	5 ⁵ / ₈
TTA240J400A	460/3/60	256,000	52	96	48	904	94	47	60	1 ⁵ / ₈	5 ⁵ / ₈
TTA300J400A	460/3/60	303,000	58	96	48	969	94	49	60	2 ¹ / ₈	5 ⁵ / ₈
TTA120JW00A	575/3/60	124,000	46	55	42	474	91	15	20	1 ³ / ₈	1 ¹ / ₂
TTA180JW00A	575/3/60	186,000	52	96	48	750	93	26	35	1 ⁵ / ₈	5 ⁵ / ₈
TTA240JW00A	575/3/60	256,000	52	96	48	904	94	39	50	1 ⁵ / ₈	5 ⁵ / ₈
TTA300JW00A	575/3/60	303,000	58	96	48	969	94	42	50	2 ¹ / ₈	5 ⁵ / ₈

① Sound rating show is tested in accordance with ARI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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Split System Cooling – R-410A Accessories Three Phase – 6-25 Tons

Table LSC-4-A — R-410A Optional Accessories

Model Number	Description	Used With
Coil Guard		
BAYGARD058A	Hail/Vandal Guard	TTA073G/H, TTA090G/H
BAYGARD059A	Hail/Vandal Guard	TTA120G/H/J
BAYGARD060A	Hail/Vandal Guard	TTA150H
BAYGARD061A	Hail/Vandal Guard	TTA180H/J, TTA240H/J
BAYGARD062A	Hail/Vandal Guard	TTA300J
Hot Gas By-Pass		
BAYHGBP010A	Universal Hot Gas Bypass Kit	TTA073G-TTA300J
Isolators		
BAYISLT004A	Rubber Isolator Floor (blue)	TTA073G/H-TTA090G/H
BAYISLT005A	Rubber Isolator Floor (black)	TTA120G/H/J
BAYISLT009A	Rubber Isolator Floor (red)	TTA150H, TTA180H/J
BAYISLT010A	Rubber Isolator Floor (green)	TTA240H/J, TTA300J
BAYISLT023A	Steel Spring Isolator Floor (red)	TTA073G, TTA090G, TTA120G, TTA073H, TTA090H
BAYISLT024A	Steel Spring Isolator Floor (black)	TTA120H/J, TTA150H, TTA180H/J
BAYISLT025A	Steel Spring Isolator Floor (yellow)	TTA240H/J, TTA300J
Low Ambient		
BAYLOAMU01A ^{①②③④}	On/Off Fan Control Mounted in External Enclosure (small cabinets)	TTA073-090 (all voltages)
BAYLOAMU02A ^{②③④}	On/Off Fan Control Mounted in Unit Control Box (large cabinets)	TTA120-300 (all voltages)
BAYLOAM335A ^③	Modulating ICM Head Pressure Control w/ 208-230V 0.5 HP Hi-Eff Motor (internal mount)	TTA073G3, TTA090G3
BAYLOAM336A ^③	Modulating ICM Head Pressure Control w/ 208-230V 1 HP Hi-Eff Motor (internal mount)	TTA120G3/H3/J3, TTA150H3, TTA180H3/J3, TTA240H3/J3, TTA300J3
BAYLOAM337A ^③	Modulating ICM Head Pressure Control w/ 208-230V 0.5 HP Hi-Eff Motor (internal mount)	TTA090H3, TTA073H3
BAYLOAM435A ^③	Modulating ICM Head Pressure Control w/ 460V 0.5 HP Hi-Eff Motor (internal mount)	TTA073G4, TTA090G4
BAYLOAM436A ^③	Modulating ICM Head Pressure Control w/ 460V 1.0 HP Hi-Eff Motor (internal mount)	TTA120G4/H4/J4, TTA150H4, TTA180H4/J4, TTA240H4/J4, TTA300J4
BAYLOAM437A ^③	Modulating ICM Head Pressure Control w/ 380-460V 0.5 HP Hi-Eff Motor (internal mount)	TTA073H4, TTA090H4
BAYLOAMW36A ^③	Modulating ICM Head Pressure Control w/ 575V 1.0 HP Hi-Eff Motor (internal mount)	TTA120GW/HW/JW, TTA150HW, TTA180HW/JW, TTA240HW/FW, TTA300JW
BAYLOTR001A ^⑤	Additional Pressure Transducer for ICM Head Pressure Control	TTA120H/J, TTA150H
Time Delay Relay		
BAYRLAY002	Time Delay Relay	TTA090G-TTA300J
BACnet™ Communications Interface		
BAYBCIR001A	BACnet (BCI-R) Communications Interface	All

^① Kit mounts external to the outdoor unit and operates by sensing ambient and liquid line temperatures.

^② Cycles fan on/off, (no modulating).

^③ Quantity of 1 required for each fan (2 total for TTA/TWA180-300).

^④ ReliaTel™ requires onboard EDC function to be disabled when Bayloam is used, remove OA sensor from terminal J8-1&2.

^⑤ BAYLOTR001A required when modulating BAYLOAM kits used with units that have 2 compressors and 1 condenser fan.

Split System Cooling Three Phase – 6-25 Tons

Table LSC-5-A — ReliaTel™ Control Options

Model Number	Description	Used With
ASYSTAT106A	Zone Sensor, Set Point, Fan System	TTA073-TTA300 with ReliaTel™ Controls
ASYSTAT107A	Zone Sensor, Set Point Adj, Fan, System, EH, LED	TTA073-TTA300
ASYSTAT108A	Zone Sensor, 2 Set Point, Fan System	TTA073-TTA300 with ReliaTel™ Controls
ASYSTAT109A	Zone Sensor, 2 Set Point Adj, Fan, System, EH, LED	TTA073-TTA300
ASYSTAT777A	Digital Programmable Zone Sensor with Night Setback	TTA073-TTA300 with ReliaTel™ Controls
BAYSENS050①	Wireless Zone Sensor	TTA073-TTA300 with ReliaTel™ Controls
BAYSENS073A	Room Sensor w/ Override and Cancel Button	TTA073-TTA300 with ReliaTel™ Controls
BAYSENS074A	Room Sensor w/ Temperature Adjustment and Override Button	TTA073-TTA300 with ReliaTel™ Controls
BAYSENS077A	Remote Sensor	ASYSTAT106A-ASYSTAT109A, ASYSTAT777A
BAYSENS110A	Dual Set Point w/ Manual/Auto Change Over	TTA073-TTA300 with ReliaTel™ Controls

Table SC-5-B — Electromechanical Control Options

Model Number	Description	Used With
ASYSTAT092A	2H/2C Touch Screen Digital Display Programmable Thermostat "Touch Screen"	All
ASYSTAT093A	3H/2C Digital Display Programmable Thermostat W/Humidity Sensor	All

① Kit comes with everything required for installation and operation.

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6 - 25 Tons with ReliaTel™ Controls TTA073-120G, TTA120-240H, TTA120-300J

Protection/Operation Timings and Features

Anti Short Cycle Timer (ASCT) Function — Provides a three (3) minute minimum "ON" time and a three (3) minute minimum "OFF" time for compressors, enhances compressor reliability by ensuring proper oil return. **Standard**

Built In Fan Delay Relay (FDR) Function — Provides custom indoor fan timing sequences for the different types of equipment, enhancing efficiency and reliability. **Standard**

Built In Night Set Back and Unoccupied Functions① — When using a standard dual setpoint/auto change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Sets cooling setpoint up a minimum of 7°F, sets heating setpoint back a minimum of 7°F, and forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts).**

Built In "TEST" Mode — Aids in quick verification of system and control operation, exercises both hardware and software (no special tools required). **Standard**

Built In Unoccupied Mode① — When using a standard single setpoint/manual change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts).**

Direct Digital Control (DDC)① — Proportional Integral (PI) control. Proportional — sets corrective action proportional to deviation from setpoint. Integral — fine tunes the rate of corrective action proportional to the error (results in superior space temperature control). **Standard**

Increased Reliability — Fewer components (moving electro-mechanical parts), less likelihood of equipment down time or failure. **Standard**

Integral Electric Heat Staging① — Stages electric heaters "OFF" and "ON", eliminating the use of outdated sequencers. **Standard**

Intelligent Fallback① — A built in Default Control provides adaptive operation, which allows the equipment to continue to operate, providing comfort in the event of certain component failures. Also, allows emergency operation without a Zone Sensor Module (ZSM). **Standard**

Low Ambient Start Timer (LAST) Function — Bypasses low pressure control when a compressor starts, eliminating nuisance compressor lock outs. **Standard**

Lower Installation Cost — Using a standard Zone Sensor Module (ZSM), control voltage wiring may be run up to five (5) times further than any electromechanical system, with no increase in wire gauge. Example: Electromechanical System – 30 feet maximum using 22 gauge wire. Micro Control System – 150 feet using 22 gauge wire. **Standard**

On Board Diagnostics① — Assist with equipment troubleshooting, if a problem occurrence should take place. **Standard**

Remote Sensing① — All standard Zone Sensor Modules (ZSMs) have remote sensing capabilities, typically achieved by using an expensive program-mable thermostat and remote sensor with electromechanical equipment. **Accessory (requires use of remote sensor).**

Space Temperature Averaging① — All standard Zone Sensor Modules (ZSMs) have space temperature averaging capabilities, typically achieved by using an expensive programmable thermostat and minimum of four (4) remote sensors with electromechanical equipment. **Averaging with ReliaTel™ can be achieved with two (2) sensors.**

Time Delay Relay (TDR) Function — Provides an incremental staging delay between compressors, minimizes equipment current inrush and consumption by keeping compressors from starting simultaneously. **Standard**

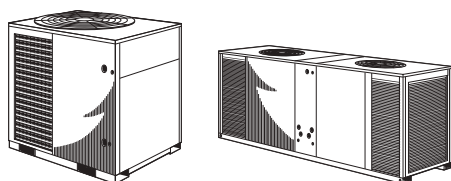
Low Pressure and High Pressure Compressor Lockout — 3 trips will lockout control.

When the ReliaTel™ RTRM Thermostat Interface is used, equipment operation differs significantly. The basic equipment protection features remain intact, and the following features and benefits are lost:

- Direct Digital Control (DDC) – Proportional Integral (PI) control is lost, equipment is controlled by a thermostat or generic building automation system device.
- Intelligent Fall back is lost, if a failure occurs in the device controlling the equipment, operation will cease.
- Installation is more costly, with the addition of a thermostat or generic control, the control wiring size must be increased.
- Remote Sensing capabilities are lost, unless generic control being applied can accomplish this.
- Space Temperature Averaging capabilities are lost, unless generic control being applied can accomplish this.
- Built In Night Set Back and Unoccupied functions are lost, unless generic control being applied can accomplish this.
- Built In Unoccupied Mode is lost, unless generic control being applied can accomplish this.

① Denotes features lost from utilizing standard conventional stat.

Split System Heat Pumps Three Phase – 6-20 Tons, R-410A



TWA – 6-20 Tons

- ReliaTel™ controls (standard)
- (1) Scroll compressor (TWA073-120D)
- (2) Scroll compressors (TWA073-240E) with independent refrigerant circuits
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Demand Defrost Control
- Internal pressure relief valves
- Electrical phase reversal protection
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty** (TWA073D, TWA090D, TWA120D, TWA180E, TWA240E)
- **1-year limited parts warranty**
- **Optional Extended Warranties**

1 2 3 4 5 6 7 8 9 10 11 12
 T W A 0 9 0 D 3 0 0 A 0

Compressor Type

D = Single Compressor/Single Refrigerant Circuit, R-410A
 E = Dual Compressor/Dual Refrigerant Circuit, R-410A

Factory-Installed Options

OR = ReliaTel™ Controls
 OT = ReliaTel™ Controls and Black Epoxy Coated Coil

1 2 3 4 5 6 7 8 9 10 11 12
 T W A 0 9 0 D 3 0 0 A 0

Compressor Type

D = Single Compressor/Single Refrigerant Circuit, R-410A
 E = Dual Compressor/Dual Refrigerant Circuit, R-410A

Factory-Installed Options

HR = Hail Guard and ReliaTel™ Controls
 HT = Hail Guard and ReliaTel™ Controls with Black Epoxy Coated Coil

Table LSH-1-A — TWA Split System Heat Pumps — Single Compressors with Single Refrigerant Circuits — R-410 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size (in)	
			H	W	L					OD Gas	OD Liq.
TWA073D30RA	208-230/3/60	78,000	39	36	42	382	84	31.1	40	1 ¹ / ₈	1 ¹ / ₂
TWA090D30RB	208-230/3/60	90,000	39	36	42	394	83	34.0	50	1 ³ / ₈	5 ⁵ / ₈
TWA120D30RB	208-230/3/60	120,000	45	40	52	496	90	47.0	70	1 ³ / ₈	1 ¹ / ₂
TWA073D40RA	460/3/60	78,000	39	36	42	382	84	14.9	20	1 ¹ / ₈	1 ¹ / ₂
TWA090D40RB	460/3/60	90,000	39	36	42	394	83	18.0	30	1 ³ / ₈	5 ⁵ / ₈
TWA120D40RB	460/3/60	120,000	45	40	52	496	90	25.0	40	1 ³ / ₈	1 ¹ / ₂
TWA073DW0RA	575/3/60	78,000	39	36	42	382	84	11.6	15	1 ¹ / ₈	1 ¹ / ₂
TWA090DW0RB	575/3/60	90,000	39	36	42	394	83	13.0	20	1 ³ / ₈	5 ⁵ / ₈
TWA120DW0RB	575/3/60	120,000	45	40	52	496	90	22.0	35	1 ³ / ₈	1 ¹ / ₂

Table LSH-1-B — TWA Split System Heat Pumps — Dual Compressors with Two Sets of Refrigerant Circuits — R-410 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size (in)	
			H	W	L					OD Gas	OD Liq.
TWA073E30RA	208-230/3/60	74,000	39	40	52	417	84	27.0	35	7 ⁷ / ₈	1 ¹ / ₂
TWA090E30RA	208-230/3/60	90,000	39	40	52	470	83	33.0	45	1 ¹ / ₈	1 ¹ / ₂
TWA120E30RA	208-230/3/60	120,000	45	40	52	496	90	41.0	50	1 ¹ / ₈	1 ¹ / ₂
TWA180E30RA	208-230/3/60	180,000	46	45	95	898	93	66.3	80	1 ³ / ₈	1 ¹ / ₂
TWA240E30RA	208-230/3/60	246,000	46	45	95	981	94	86.1	100	1 ³ / ₈	5 ⁵ / ₈
TWA073E40RA	430/3/60	74,000	39	40	52	417	84	15.0	20	7 ⁷ / ₈	1 ¹ / ₂
TWA090E40RA	430/3/60	90,000	39	40	52	470	83	16.0	20	1 ¹ / ₈	1 ¹ / ₂
TWA120E40RA	430/3/60	120,000	45	40	52	496	90	20.0	25	1 ¹ / ₈	1 ¹ / ₂
TWA180E40RA	460/3/60	180,000	46	45	95	898	93	33.4	40	1 ³ / ₈	1 ¹ / ₂
TWA240E40RA	460/3/60	246,000	46	45	95	981	94	45.5	50	1 ³ / ₈	5 ⁵ / ₈
TWA073EW0RA	575/3/60	74,000	39	40	52	417	84	10.0	15	7 ⁷ / ₈	1 ¹ / ₂
TWA090EW0RA	575/3/60	90,000	39	40	52	470	83	12.0	15	1 ¹ / ₈	1 ¹ / ₂
TWA120EW0RA	575/3/60	120,000	45	40	52	496	90	15.0	20	1 ¹ / ₈	1 ¹ / ₂
TWA180EW0RA	575/3/60	180,000	46	45	95	898	93	27.4	30	1 ³ / ₈	1 ¹ / ₂
TWA240EW0RA	575/3/60	246,000	46	45	95	981	94	34.8	40	1 ³ / ₈	5 ⁵ / ₈

① Sound rating show is tested in accordance with ARI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

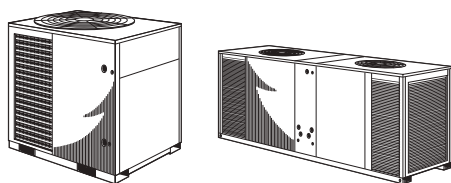
For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

BUILT TO A HIGHER STANDARD™

American Standard®

HEATING & AIR CONDITIONING

Split System Heat Pumps Three Phase – 7.5-20 Tons, R-22



TWA – 7.5-20 Tons

- ReliaTel™ controls (standard)
- (1) Scroll compressor (TWA073-120A)
- (2) Scroll compressors (TWA180-240B) with independent refrigerant circuits
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Demand Defrost Control
- Internal pressure relief valves
- Electrical phase reversal protection
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed

1 2 3 4 5 6 7 8 9 10 11 12
T W A 0 9 0 A 3 0 0 A 0

Compressor Type

A = Single Compressor/Single Refrigerant Circuit, R-22

B = Dual Compressor/Dual Refrigerant Circuit, R-22

Factory-Installed Options

OR = ReliaTel™ Controls

Table LSH-2-A — TWA Split System Heat Pumps - Single Compressors with Single Refrigerant Circuits - R-22 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size (in)	
			H	W	L					OD Gas	OD Liq.
TWA090A30RG	208-230/3/60	90,000	39	36	42	394	83	31.1	45	1 ³ / ₈	5 ⁵ / ₈
TWA120A30RG	208-230/3/60	120,000	45	40	52	509	90	42.6	60	1 ³ / ₈	1 ¹ / ₂
TWA090A40RG	460/3/60	90,000	39	36	42	394	83	15.2	25	1 ³ / ₈	5 ⁵ / ₈
TWA120A40RG	460/3/60	120,000	45	40	52	509	90	21.9	30	1 ³ / ₈	1 ¹ / ₂

Table LSH-2-B — TWA Split System Heat Pumps - Dual Compressors with Dual Refrigerant Circuits - R-22 Refrigerant

Model Number	Power Supply	Nom. Cap. Cooling (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound ^① Rating	MCA*	Max. Fuse*	Line Size (in)	
			H	W	L					OD Gas	OD Liq.
TWA180B30RG	208-230/3/60	180,000	46	45	95	898	93	60.4	80	1 ³ / ₈	5 ⁵ / ₈
TWA240B30RG	208-230/3/60	240,000	46	45	95	981	94	77.7	100	1 ³ / ₈	1 ¹ / ₂
TWA180B40RG	460/3/60	180,000	46	45	95	898	93	29.5	40	1 ³ / ₈	5 ⁵ / ₈
TWA240B40RG	460/3/60	240,000	46	45	95	981	94	39.9	50	1 ³ / ₈	1 ¹ / ₂

① Sound rating show is tested in accordance with AHRI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Split System Heat Pumps – Accessories Three Phase – 6-20 Tons, R-410A

Table LSH-3-A — R-410A Optional Accessories

Model Number	Description	Used With
Coil Guard		
BAYGARD058A	Hail/Vandal Guard	TWA 073D,090D
BAYGARD059A	Hail/Vandal Guard	TWA073E,030E
BAYGARD060A	Hail/Vandal Guard	TWA120D,120E
BAYGARD061A	Hail/Vandal Guard	TWA180E, 240E
Isolators		
BAYISLT005A	Rubber Isolator Floor (black)	TWA073D-TWA120D, TWA073E, TWA120E
BAYISLT009A	Rubber Isolator Floor (red)	TWA180E
BAYISLT010A	Rubber Isolator Floor (green)	TWA240E
BAYISLT023A	Steel Spring Isolator Floor (red)	TWA073D, TWA090D, TWA120D, TWA073E,120E
BAYISLT024A	Steel Spring Isolator Floor (black)	TWA180E
BAYISLT025A	Steel Spring Isolator Floor (yellow)	TWA240E
Low Ambient		
BAYLOAMU01A ①②③④	On/Off Fan Control Mounted in External Enclosure (small cabinets)	TWA073D-090D (all voltages)
BAYLOAMU02A②③④	On/Off Fan Control Mounted in Unit Control Box (large cabinets)	TWA120D-240E (all voltages), TWA073-120E (all voltages)
BAYLOAM335A③	Modulating ICM Head Pressure Control w/ 208-230V 0.5 HP Hi-Eff Motor (internal mount)	TWA073D, TWA090D3, TWA073E3, TWA090B3
BAYLOAM336A③	Modulating ICM Head Pressure Control w/ 208-230V 1 HP Hi-Eff Motor (internal mount)	TWA120D3, TWA120E3
BAYLOAM435A③	Modulating ICM Head Pressure Control w/ 460V 0.5 HP Hi-Eff Motor (internal mount)	TWA073D4, TWA090D4, TWA073E4, TWA070E4
BAYLOAM436A③	Modulating ICM Head Pressure Control w/ 460V 1.0 HP Hi-Eff Motor (internal mount)	TWA120D4/E4-TWA240E4
BAYLOAMW36A③	Modulating ICM Head Pressure Control w/ 575V 1.0 HP Hi-Eff Motor (internal mount)	TWA120DW/EW-TWA240EW
BAYLOTR001A	Transducer Kit for Head Pressure Control	BAYLOAM335,336,435,436,W36, TWA073E,TWA090E,TWA120E
BACnet™ Communications Interface		
BAYBCIR001A	BACnet (BCI-R) Communications Interface	All
Time Delay Relay		
BAYRLAY002	Time Delay Relay	TWA090D-TWA240E
BAYRLAY005	Heat Pump interlock relay	All TWA Units with BAYLOAM Application Requirements
Wire Kit		
BAYWRKT003A④	Heat Pump configuration wiring harness	TWA180E, TWA240E

① Kit mounts external to the outdoor unit and operates by sensing ambient and liquid line temperatures.

② Cycles fan on/off, (no modulating).

③ Quantity of 1 required for each fan (2 total for TTA/TWA180-240).

④ Used on Dual circuit HP condensers with a field installed LCI card for independent mechanical heating operation configuration.

* BAYLOTR001A required when modulating BAYLOAM is used with units that have 2 compressors and 1 condenser fan.

Split System Heat Pumps

Three Phase – 6-20 Tons

Table LSC-4-A — ReliaTel™ Control Options

Model Number	Description	Used With
ASYSTAT107A	Zone Sensor, Set Point Adj, Fan, System, EH, LED	TWA073-TWA240 with ReliaTel™ Controls
ASYSTAT109A	Zone Sensor, 2 Set Point Adj, Fan, System, EH, LED	TWA073-TWA240 with ReliaTel™ Controls
ASYSTAT777A	Digital Programmable Zone Sensor with Night Setback	TWA073-TWA240, TTA073-TTA240 with ReliaTel™ Controls
BAYSENS050①	Wireless Zone Sensor	TWA073-TWA240 with ReliaTel™ Controls
BAYSENS073A	Room Sensor w/ Override and Cancel Button	TWA073-TWA240 with ReliaTel™ Controls
BAYSENS074A	Room Sensor w/ Temperature Adjustment and Override Button	TWA073-TWA240 with ReliaTel™ Controls
BAYSENS077A	Remote Sensor	ASYSTAT107A, ASYSTAT109A, ASYSTAT777A
BAYSENS110A	Dual Set Point w/ Manual/Auto Change Over	TWA073-TWA240 with ReliaTel™ Controls

Table LSC-4-B — Electromechanical Control Options

Model Number	Description	Used With
ASYSTAT092A	2H/2C Touch Screen Digital Display Programmable Thermostat "Touch Screen"	All
ASYSTAT093A	3H/2C Digital Display Programmable Thermostat W/Humidity Sensor	All

① Kit comes with everything required for installation and operation.

6 - 20 Tons with ReliaTel™ Controls TWA073, TWA090, TWA120, TWA180, TWA240

Protection/Operation Timings and Features

Anti Short Cycle Timer (ASCT) Function — Provides a three (3) minute minimum “ON” time and a three (3) minute minimum “OFF” time for compressors, enhances compressor reliability by ensuring proper oil return. **Standard**

Built In Fan Delay Relay (FDR) Function — Provides custom indoor fan timing sequences for the different types of equipment, enhancing efficiency and reliability. **Standard**

Built In Night Set Back and Unoccupied Functions① — When using a standard dual setpoint/auto change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Sets cooling setpoint up a minimum of 7°F, sets heating setpoint back a minimum of 7°F, and forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts).**

Built In “TEST” Mode — Aids in quick verification of system and control operation, exercises both hardware and software (no special tools required). **Standard**

Built In Unoccupied Mode① — When using a standard single setpoint/manual change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts.)**

Direct Digital Control (DDC)① — Proportional Integral (PI) control. Proportional — sets corrective action proportional to deviation from setpoint. Integral — fine tunes the rate of corrective action proportional to the error (results in superior space temperature control). **Standard**

Increased Reliability — Fewer components (moving electro-mechanical parts), less likelihood of equipment down time or failure. **Standard**

Integral Electric Heat Staging① — Stages electric heaters “OFF” and “ON”, eliminating the use of outdated sequencers. **Standard**

Intelligent Fallback① — A built in Default Control provides adaptive operation, which allows the equipment to continue to operate, providing comfort in the event of certain component failures. Also, allows emergency operation without a Zone Sensor Module (ZSM). **Standard**

Low Ambient Start Timer (LAST) Function — Bypasses low pressure control when a compressor starts, eliminating nuisance compressor lock outs. **Standard**

Lower Installation Cost — Using a standard Zone Sensor Module (ZSM), control voltage wiring may be run up to five (5) times further than any electromechanical system, with no increase in wire gauge. Example: Electromechanical System – 30 feet maximum using 22 gauge wire. Micro Control System – 150 feet using 22 gauge wire. **Standard**

On Board Diagnostics① — Assist with equipment troubleshooting, if a problem occurrence should take place. **Standard**

Remote Sensing① — All standard Zone Sensor Modules (ZSMs) have remote sensing capabilities, typically achieved by using an expensive program-mable thermostat and remote sensor with electromechanical equipment. **Accessory (requires use of remote sensor).**

Space Temperature Averaging① — All standard Zone Sensor Modules (ZSMs) have space temperature averaging capabilities, typically achieved by using an expensive programmable thermostat and minimum of four (4) remote sensors with electromechanical equipment. **Averaging with ReliaTel™ can be achieved with two (2) sensors.**

Time Delay Relay (TDR) Function — Provides an incremental staging delay between compressors, minimizes equipment current inrush and consumption by keeping compressors from starting simultaneously. **Standard**

Low Pressure and High Pressure Compressor Lockout — 3 trips will lockout control.

When the ReliaTel™ RTRM Thermostat Interface is used, equipment operation differs significantly. The basic equipment protection features remain intact, and the following features and benefits are lost:

- Direct Digital Control (DDC) – Proportional Integral (PI) control is lost, equipment is controlled by a thermostat or generic building automation system device.
- Intelligent Fall back is lost, if a failure occurs in the device controlling the equipment, operation will cease.
- Installation is more costly, with the addition of a thermostat or generic control, the control wiring size must be increased.
- Remote Sensing capabilities are lost, unless generic control being applied can accomplish this.
- Space Temperature Averaging capabilities are lost, unless generic control being applied can accomplish this.
- Built In Night Set Back and Unoccupied functions are lost, unless generic control being applied can accomplish this.
- Built In Unoccupied Mode is lost, unless generic control being applied can accomplish this.

Demand Defrost — Defrosts only if needed, not based on time like most other systems, optimizing and lowering operating costs.

① Denotes features lost from utilizing standard conventional stat.

Split System Air Handlers, R-410A

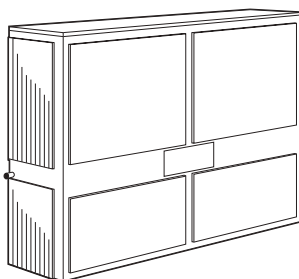
Single Phase – 5-10 Tons

Three Phase – 5-25 Tons

- Ships in horizontal configuration, but quickly and easily converts to upflow
- Expansion valve factory installed
- Check valves for heat pump applications
- Belt drive blower
- Factory installed motor, belt, sheaves, contactor, low voltage terminal board
- One inch filters on 5 to 10 ton units (rack convertible for field supplied two inch)
- Captive screws remain on the panels for service ease

- Low voltage terminal board
- Drain Pan
- Factory Installed (EDC) Evaporator Defrost Control
- IAQ (Indoor Air Quality) sloped/free draining pan, no standing water
- Two inch filters factory installed on 12½, 15, 20, 25 ton units
- Supplemental heaters (electric, water, steam) fits directly on unit discharge for low installation cost

- Single point power entry for reduced electrical power installation cost
- Unit fully assembled to reduce field installation costs
- Compact design with low service clearance to reduce building requirements
- Brazed refrigerant piping connections
- Fan relay UL listed and CSA Certified
- **Optional extended warranties**



5, 7½, 10, 12½, 15, 20, 25 Ton TWE Convertible Air Handlers (Upflow or Horizontal Only)

1 2 3 456 7 8 9 10 11 12
 T W E 180 D 3 R 3 A A

Capacity

061 = 5 Tons 180 = 15 Tons
 090 = 7.5 Tons 240 = 20 Tons
 120 = 10 Tons 300 = 25 Tons
 150 = 12.5 Tons

Factory-Installed Options

00 = Standard Motor - Electromechanical Controls
 03 = 2 speed VFD Standard Motor - Electromechanical Controls
 04 = 2 speed VFD Oversized Motor - Electromechanical Controls
 R3 = SZVAV VFD Standard Motor - ReliaTel™ Controls
 R4 = SZVAV VFD Oversized Motor - ReliaTel™ Controls

Table LAH-1-A — Single Circuit Coil - R-410A^⑤

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Capacity (Btuh)	FCCV	Drive Type	Dimensions (in.) ^④ H x W x D	Shipping Weight (lbs.)	MCA*	Max Fuse Size or Max Circuit Breaker ^{③*}
Single Phase									
5	TWE061D100AA	208-230/1/60	60,000	TXV	Belt	48 x 39 x 23	263	7.5	15
7½	TWE090D100AA ^①	208-230/1/60	90,000	TXV	Belt	54 x 49 x 26	360	8.5	15
10	TWE120D100AA ^①	208-230/1/60	120,000	TXV	Belt	54 x 65 x 26	429	10.6	15
Three Phase									
5	TWE061D300AA	208-230/3/60	60,000	TXV	Belt	48 x 39 x 23	263	3.1	15
5	TWE061D400AA	460/3/60	60,000	TXV	Belt	48 x 39 x 23	263	1.6	15
5	TWE061DW00AA	575/3/60	60,000	TXV	Belt	48 x 39 x 23	263	1.6	15
7½	TWE090D300AA ^{①②}	208-230/3/60	90,000	TXV	Belt	54 x 49 x 26	360	6.6	15
7½	TWE090DW00AA ^①	575/3/60	90,000	TXV	Belt	54 x 49 x 26	360	2.3	15
10	TWE120D300AA ^{①②}	208-230/3/60	120,000	TXV	Belt	54 x 65 x 26	429	7.8	15
10	TWE120DW00AA ^①	575/3/60	120,000	TXV	Belt	54 x 65 x 26	429	2.9	15

^① Control transformer not included. Order control transformer accessory when matching these air handlers with 3-5 ton condensing units.

^② Ships wired for 208-230/3/60. Field convertible to 460/3/60.

^③ HACR type circuit breaker per NEC.

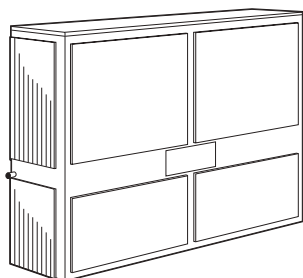
^④ Dimensions based on Upflow position.

^⑤ All air handlers are shipped with the drain pan installed in the horizontal position. For vertical configuration, the drain pan should be repositioned before setting the air handler.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Split System Air Handlers, R-410A**Single Phase – 5-10 Tons****Three Phase – 5-25 Tons**

- Ships in horizontal configuration, but quickly and easily converts to upflow
- Expansion valve factory installed
- Check valves for heat pump applications
- Belt drive blower
- Factory installed motor, belt, sheaves, contactor, low voltage terminal board
- One inch filters on 5 to 10 ton units (rack convertible for field supplied two inch)
- Captive screws remain on the panels for service ease
- Low voltage terminal board
- Drain Pan



5, 7½, 10, 12½, 15, 20, 25 Ton TWE Convertible Air Handlers (Upflow or Horizontal Only)

- Factory Installed (EDC) Evaporator Defrost Control
- IAQ (Indoor Air Quality) sloped/free draining pan, no standing water
- Two inch filters factory installed on 12½, 15, 20, 25 ton units
- Supplemental heaters (electric, water, steam) fits directly on unit discharge for low installation cost
- Single point power entry for reduced electrical power installation cost
- Unit fully assembled to reduce field installation costs

- Compact design with low service clearance to reduce building requirements
- Brazed refrigerant piping connections
- Fan relay UL listed and CSA Certified
- Factory installed 2 speed variable frequency drive (VFD) option available for enhanced part load performance and minimum REQUIRED for CA Title 24 Compliance®
- Factory installed Single Zone VAV (SZVAV) option available for enhanced part load performance and space temperature control via varying airflow®
- **Optional extended warranties**

1 2 3 456 7 8 9 10 11 12
T W E 180 D 3 R 3 A A

Capacity

061 = 5 Tons 180 = 15 Tons
090 = 7.5 Tons 240 = 20 Tons
120 = 10 Tons 300 = 25 Tons
150 = 12.5 Tons

Factory-Installed Options

00 = Standard Motor - Electromechanical Controls
03 = 2 speed VFD Standard Motor - Electromechanical Controls
04 = 2 speed VFD Oversized Motor - Electromechanical Controls
R3 = SZVAV VFD Standard Motor - ReliaTel™ Controls
R4 = SZVAV VFD Oversized Motor - ReliaTel™ Controls

Table LAH-2-A — Dual Circuit Coil — R-410A

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Capacity (Btuh)	FCCV	Drive Type	Dimensions (in.) ^④ H x W x D	Shipping Weight (lbs.)	MCA*	Max Fuse Size or Max Circuit Breaker ^③ *
Single Phase									
5	TWE061E100AA	208-230/1/60	60,000	TXV	Belt	48 x 39 x 23	263	7.5	15
7½	TWE090E100AA ^①	208-230/1/60	90,000	TXV	Belt	54 x 49 x 26	360	8.5	15
10	TWE120E100AA ^①	208-230/1/60	120,000	TXV	Belt	54 x 65 x 26	429	10.6	15
Three Phase									
5	TWE061E300AA	208-230/3/60	60,000	TXV	Belt	48 x 39 x 23	263	3.1	15
5	TWE061E400AA	460/3/60	60,000	TXV	Belt	48 x 39 x 23	263	1.6	15
6	TWE073E300AA ^②	208-230/3/60	72,000	TXV	Belt	54 x 49 x 26	385	6.6	15
6	TWE073EW00AA	575/3/60	72,000	TXV	Belt	54 x 49 x 26	385	2.3	15
7½	TWE090E300AA ^{②③}	208-230/3/60	90,000	TXV	Belt	54 x 49 x 26	360	6.6	15
10	TWE120E300AA ^{②③}	208-230/3/60	120,000	TXV	Belt	54 x 65 x 26	429	7.8	15
10	TWE120EW00AA ^①	575/3/60	120,000	TXV	Belt	54 x 65 x 26	429	2.9	15
12½	TWE150E300AA ^②	208-230/3/60	150,000	TXV	Belt	69 x 81 x 30	730	7.4	15
12½	TWE150EW00AA	575/3/60	150,000	TXV	Belt	69 x 81 x 30	730	2.8	15
15	TWE180E300AA ^②	208-230/3/60	180,000	TXV	Belt	69 x 81 x 30	729	11.8	20
15	TWE180EW00AA	575/3/60	180,000	TXV	Belt	69 x 81 x 30	729	4.3	15
20	TWE240E300BA	208-230/3/60	246,000	TXV	Belt	72 x 94 x 32	891	18.1	25
20	TWE240E400BA	460/3/60	246,000	TXV	Belt	72 x 94 x 32	891	8.4	15
20	TWE240EW00BA	575/3/60	246,000	TXV	Belt	72 x 94 x 32	891	6.5	15
25	TWE300E300A	208-230/3/60	292,000	TXV	Belt	72 x 94 x 32	972	24.5	30
25	TWE300E400A	460/3/60	292,000	TXV	Belt	72 x 94 x 32	972	11.2	20
25	TWE300EW00A	575/3/60	292,000	TXV	Belt	72 x 94 x 32	972	8.9	15

① Control transformer not included. Order control transformer accessory when matching these air handlers with 3-5 ton condensing units.

② Ships wired for 208-230/3/60. Field convertible to 460/3/60.

③ HACR type circuit breaker per NEC.

④ Dimensions based on Upflow position.

⑤ All air handlers are shipped with the drain pan installed in the horizontal position. For vertical configuration, the drain pan should be repositioned before setting the air handler.

⑥ 460V motors (digit 8=4) are only available on TWE150E and TWE180 when Title 24 or SZVAV is selected in digits 9 and 10.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Split System Air Handlers, R-410A

Single Phase – 5-10 Tons

Three Phase – 5-25 Tons

Table LAH-3-A — 6 - 10 Ton Electric Heater Selection

Model Number	Description	Used With
BAYHTRL106A	4.33/5.76 kW Heater 208/240/1 Phase	TWE061D1-TWE120E1
BAYHTRL112A	8.65/11.52 kW Heater 208/240/1 Phase	TWE061D1-TWE120E1
BAYHTRL117A	12.98/17.28 kW Heater 208/240/1 Phase	TWE061D1-TWE120E1
BAYHTRL123A	17.30/23.04 kW Heater 208/240/1 Phase	TWE061D1-TWE120E1
BAYHTRL129A	21.65/28.80 kW Heater 208/240/1 Phase	TWE061D1-TWE120E1
BAYHTRL305A	3.75/5.00 kW Heater 208/240/3 Phase	TWE061D3-TWE120E3
BAYHTRL310A	7.45/9.96 kW Heater 208/240/3 Phase	TWE061D3-TWE120E3
BAYHTRL315A	11.25/14.96 kW Heater 208/240/3 Phase	TWE061D3-TWE120E3
BAYHTRL325A	18.71/24.92 kW Heater 208/240/3 Phase	TWE061D3-TWE120E3
BAYHTRL335A	26.20/34.88 kW Heater 208/240/3 Phase	TWE061D3-TWE120E3
BAYHTRL405A	5.00 kW Heater 460/3 Phase	TWE061D4-TWE120E3①
BAYHTRL410A	9.96 kW Heater 460/3 Phase	TWE061D4-TWE120E3①
BAYHTRL415A	14.96 kW Heater 460/3 Phase	TWE061D4-TWE120E3①
BAYHTRL425A	24.92 kW Heater 460/3 Phase	TWE061D4-TWE120E3①
BAYHTRL435A	34.88 kW Heater 460/3 Phase	TWE061D4-TWE120E3①
BAYHTRLW05A	5 kW Heater 575/3 Phase	TWE061DW-TWE120EW
BAYHTRLW10A	9.96 kW Heater 575/3 Phase	TWE061DW-TWE120EW
BAYHTRLW15A	14.96 kW Heater 575/3 Phase	TWE061DW-TWE120EW
BAYHTRLW25A	24.92 kW Heater 575/3 Phase	TWE061DW-TWE120EW
BAYHTRLW35A	34.88 kW Heater 575/3 Phase	TWE061DW-TWE120EW

Table LAH-3-B — 12½ - 20 Ton Electric Heater Selection

Model Number	Description	Used With
BAYHTRM310A	7.50/10.0 kW Heater 208/230 3 Phase	TWE150E3-TWE300E3
BAYHTRM320A	14.96/19.92 kW Heater 208/230 3 Phase	TWE150E3-TWE300E3
BAYHTRM330A	22.50/29.92 kW Heater 208/230 3 Phase	TWE150E3-TWE300E3
BAYHTRM350A	37.42/49.84 kW Heater 208/230 3 Phase	TWE150E3-TWE300E3
BAYHTRM410A	10.0 kW Heater 460/3 Phase	TWE150E3①-TWE300E4
BAYHTRM420A	19.92 kW Heater 460/3 Phase	TWE150E3①-TWE300E4
BAYHTRM430A	29.92 kW Heater 460/3 Phase	TWE150E3①-TWE300E4
BAYHTRM450A	49.84 kW Heater 460/3 Phase	TWE150EW-TWE300EW
BAYHTRMW10A	10.0 kW Heater 575/3 Phase	TWE150EW-TWE300EW
BAYHTRMW20A	19.92 kW Heater 575/3 Phase	TWE150EW-TWE300EW
BAYHTRMW30A	29.92 kW Heater 575/3 Phase	TWE150EW-TWE300EW
BAYHTRMW50A	49.84 kW Heater 575/3 Phase	TWE150EW-TWE300EW

① Field convertible to 460/3/60.

Split System Air Handlers, R-410A

Single Phase – 5-10 Tons

Three Phase – 5-25 Tons

Table LAH-4-A — 5 – 20 Ton Accessory Selection

Model Number	Description	Used With
Subbase		
BAYBASE009A	Vertical Air Handler Subbase	TWE061D, TWE061E
BAYBASE010A	Vertical Air Handler Subbase	TWE090D, TWE090E, TWE073E
BAYBASE011A	Vertical Air Handler Subbase	TWE120D, TWE120E
BAYBASE012A	Vertical Air Handler Subbase	TWE150E, TWE180E
BAYBASE013A	Vertical Air Handler Subbase	TWE240E, TWE300E
Grille		
BAYGRLE001A	Return Air Grille	TWE061D/E
BAYGRLE002A	Return Air Grille	TWE090D/E, TWE073E
BAYGRLE003A	Return Air Grille	TWE120D/E
BAYGRLE004A	Return Air Grille	TWE150E, TWE180E
BAYGRLE005A	Return Air Grille	TWE240E, TWE300E
High Static Motor		
BAYHSMT104B	1.5HP (230/1) w/ 1VL44 motor sheave w/ AK54 fan sheave w/ A44 belt	TWE061D1/E1
BAYHSMT105B	1.5HP (230-460/3) w/ 1VL44 motor sheave w/ AK54 fan sheave w/ A44 belt	TWE061D3-4/E3-4
BAYHSMT106B	1.5HP (575/3) w/ 1VL44 motor sheave w/ AK54 fan sheave w/ A44 belt	TWE061DW/EW
BAYHSMT107B	2 HP (230/1) w/ 1VL44 motor sheave w/ AK66 fan sheave w/ A50 belt	TWE090D1/E1
BAYHSMT108B	2 HP (230/460/3) w/ 1VL44 motor sheave w/ AK66 fan sheave w/ A50 belt	TWE090D3/E3, TWE073E3
BAYHSMT109B	2 HP (575/3) w/ 1VL44 motor sheave w/ AK66 fan sheave w/ A50 belt	TWE090DW/EW, TWE073EW
BAYHSMT110B	3 HP (230/460/3) w/ 1VP44 motor sheave w/ AK54 fan sheave w/ AX48 belt	TWE090D3/E3, TWE073E3
BAYHSMT111B	3 HP (575/3) w/ 1VP44 motor sheave w/ AK54 fan sheave w/ AX48 belt	TWE090DW/EW, TWE073EW
BAYHSMT112B	3 HP (230/460/3) w/ 1VP44L motor sheave w/ AK74 fan sheave w/ A51 belt	TWE120D3/E3
BAYHSMT113B	3 HP (575/3) w/ 1VP44L motor sheave w/ AK74 fan sheave w/ A51 belt	TWE120DW/EW
BAYHSMT114B	3 HP (230/460/3) w/ 1VP44L motor sheave w/ BK72 fan sheave w/ A51 belt	TWE150E3
BAYHSMT115B	3 HP (575/3) w/ 1VP44L motor sheave w/ BK72 fan sheave w/ A51 belt	TWE150EW
BAYHSMT116B	5 HP (230/3) w/ 1VP50L motor sheave w/ BK72 fan sheave w/ BX55 belt	TWE150E3
BAYHSMT117B	5 HP (460/3) w/ 1VP50L motor sheave w/ BK72 fan sheave w/ BX55 belt	TWE150E4
BAYHSMT118B	5 HP (575/3) w/ 1VP50L motor sheave w/ BK72 fan sheave w/ BX55 belt	TWE150EW
BAYHSMT119B	5 HP (230/3) w/ 1VP50L motor sheave w/ BK85 fan sheave w/ BX58 belt	TWE180E3
BAYHSMT120B	5 HP (460/3) w/ 1VP50L motor sheave w/ BK85 fan sheave w/ BX58 belt	TWE180E4
BAYHSMT121B	5 HP (575/3) w/ 1VP50L motor sheave w/ BK85 fan sheave w/ BX58 belt	TWE180EW
BAYHSMT122B	7.5 HP (230/460/3) w/ 1VP60 motor sheave w/ BK90 fan sheave w/ BX60 belt	TWE240E3/4
BAYHSMT123B	7.5 HP (575/3) w/ 1VP60 motor sheave w/ BK90 fan sheave w/ BX60 belt	TWE240EW
Isolators		
BAYISLT004A ^{①②③④}	Rubber Isolator Floor (blue)	TWE061D-TWE120E
BAYISLT009A ^{①②③}	Rubber Isolator Floor (red)	TWE150E, TWE180E
BAYISLT010A ^{①②③}	Rubber Isolator Floor (green)	TWE240E, TWE300E
BAYISLT012B ^③	Rubber Isolator Suspended (red/green)	TWE150E, TWE180E
BAYISLT013B ^{③④}	Rubber Suspended (red/green)	TWE061D/E
BAYISLT014A ^{③④}	Rubber Suspended (green)	TWE090D/E
BAYISLT015B ^{③④}	Rubber Suspended (green/black)	TWE120D/E
BAYISLT016B ^③	Rubber Suspended (red/green)	TWE240E, TWE300E
BAYISLT019A ^{①②③}	Steel Spring Isolator Floor (red)	TWE061D/E, TWE073E, TWE090D/E, TWE120D/E
BAYISLT021A ^{①②③}	Steel Spring Isolator Floor (black)	TWE150E, TWE180E
BAYISLT032A ^{①②③}	Steel Spring Isolator Floor (black/yellow)	TWE240E
BAYISLT028A ^③	Steel Spring Isolator Suspended (tan)	TWE061D/E
BAYISLT029A ^③	Steel Spring Isolator Suspended (red)	TWE073E, TWE090D/E, TWE120D/E
BAYISLT030A ^③	Steel Spring Isolator Suspended (black)	TWE150E, TWE180E
BAYISLT031B ^③	Steel Spring Isolator Suspended (black/yellow)	TWE240E, TWE300E
Low Static Drive Kit		
BAYLSMT001A	Low Static Drive Kit	TWE240E

① When the Air handler is in the vertical position and close proximity trapping of condensate is required, use of subbase is required.

② Requires use of subbase accessory.

③ Units having steam of hot water coils applied vertically or horizontally check IOM for proper Isolator kit selection.

④ Do not use if blower will operate less than 600 RPM.

Split System Air Handlers, R-410A

Single Phase – 5-10 Tons
 Three Phase – 5-25 Tons

Table LAH-5-A — 5 – 20 Ton Accessory Selection

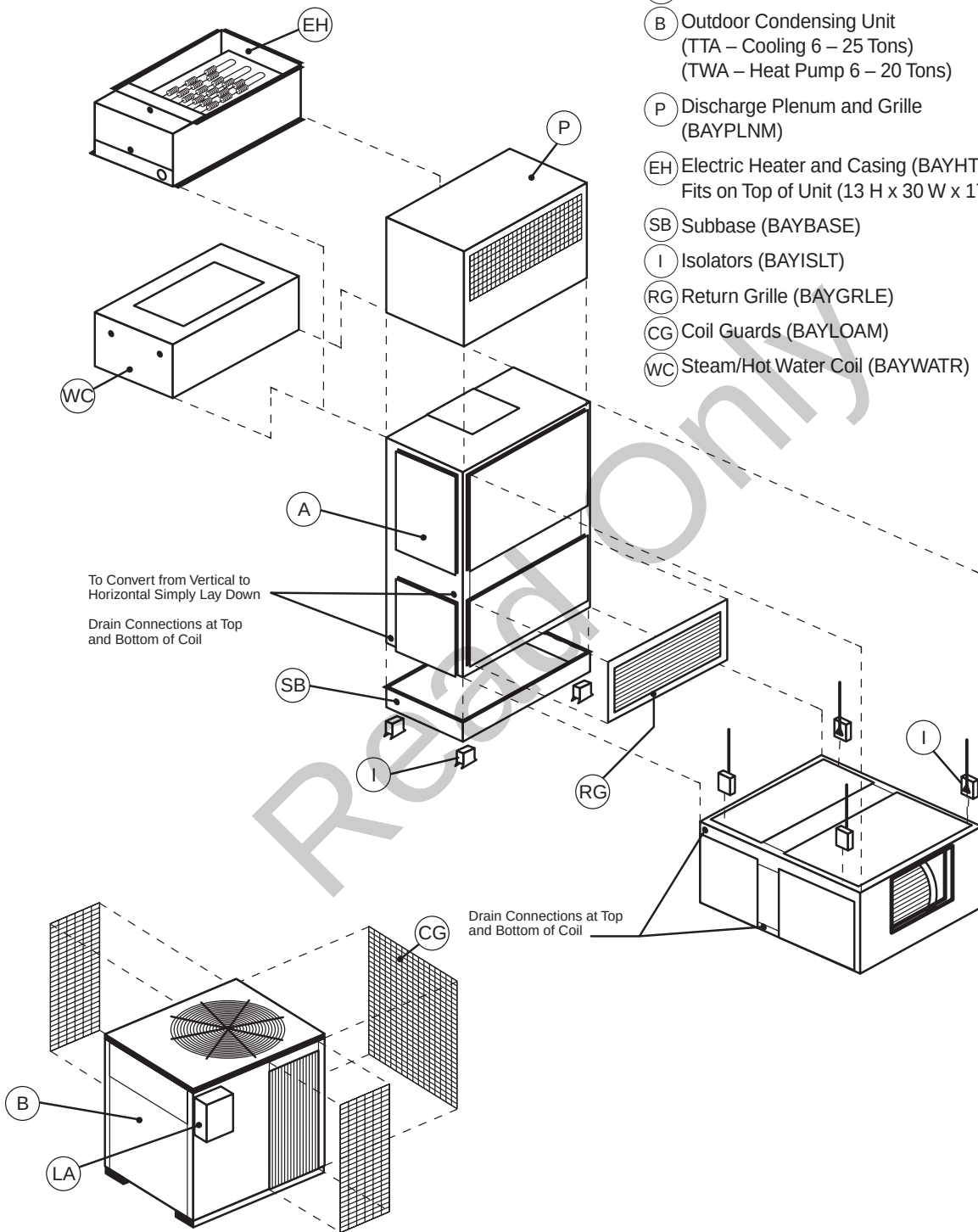
Model Number	Description	Used With
Plenum		
BAYPLNM015B ^②	Discharge Plenum & Grille	TWE061D/E
BAYPLNM016B ^②	Discharge Plenum & Grille	TWE090D/E, TWE073E
BAYPLNM017B ^②	Discharge Plenum & Grille	TWE120D/E
BAYPLNM018B ^②	Discharge Plenum/Hydronic Coil Plenum & Grille	TWE150E, TWE180E
BAYPLNM019B ^②	Discharge Plenum/Hydronic Coil Plenum & Grille	TWE240E, TWE300E
BAYPLNM020B ^②	Hydronic Coil Discharge Plenum & Grille	TWE061D/E
BAYPLNM021B ^②	Hydronic Coil Discharge Plenum & Grille	TWE090D/E, TWE073E
BAYPLNM022B ^②	Hydronic Coil Discharge Plenum & Grille	TWE120D/E
BAYPLNM030A ^②	Electric Heat Discharge Plenum & Grille	TWE061D/E
BAYPLNM031A ^②	Electric Heat Discharge Plenum & Grille	TWE090D/E, TWE073E
BAYPLNM032A ^②	Electric Heat Discharge Plenum & Grille	TWE120D/E
BAYPLNM033A ^②	Electric Heat Discharge Plenum & Grille	TWE150E, TWE180E
BAYPLNM034A ^②	Electric Heat Discharge Plenum & Grille	TWE240E, TWE300E
Transformer		
BAYTFMR011A ^①	75va transformer (230V)	TWE090D3, TWE090E3, TWE120D3, TWE120E3, TWE073E3
BAYTFMR012A ^①	75va transformer	TWE090D4/W, TWE090E4/W, TWE120D4/W, TWE120E4/W, TWE073EW
BAYTFMR013A ^①		TWE090DK, TWE090EK, TWE120DK, TWE120EK
Water Kits		
BAYWATR022A ^②	Steam Coil Enclosure	TWE061D/E
BAYWATR023A ^②		TWE090D/E, TWE073E
BAYWATR024A ^②		TWE120D/E
BAYWATR025A ^②		TWE150E, TWE180E
BAYWATR026A ^②		TWE240E, TWE300E
BAYWATR027A ^②	Hot Water Coil Enclosure	TWE061D/E
BAYWATR028A ^②		TWE090D/E, TWE073E
BAYWATR029A ^②		TWE120D/E
BAYWATR030A ^②		TWE150E, TWE180E
BAYWATR031A ^②		TWE240E, TWE300E
Wire Kit		
BAYWRKT002A ^③	180 Blower Discharge Reversal Kit	TWE061D-TWE120E

- ① Required when 6 -10 Ton Air Handlers are matched with 3-5 Ton condensing units.
 ② When installed horizontally, plenum/water coil must be self supported.
 ③ Cannot be used on TWE150-240, due to motor mount location.

Split System Air Handlers 5-25 Tons

Factory Supplied Accessories

- (A) Air Handler (TWE 5 – 20 Tons)
- (B) Outdoor Condensing Unit
(TTA – Cooling 6 – 25 Tons)
(TWA – Heat Pump 6 – 20 Tons)
- (P) Discharge Plenum and Grille
(BAYPLNM)
- (EH) Electric Heater and Casing (BAYHTRL)
Fits on Top of Unit (13 H x 30 W x 17 D)
- (SB) Subbase (BAYBASE)
- (I) Isolators (BAYISLT)
- (RG) Return Grille (BAYGRLE)
- (CG) Coil Guards (BAYLOAM)
- (WC) Steam/Hot Water Coil (BAYWATR)





ASYSSTAT095A

Non-Programmable Comfort Controls for ReliaTel™ Units

ASYSSTAT095A

- One-touch temperature control.
- Large, clear, backlit display is easy to read, even in the dark.
- Displays both room temperature and temperature setting.
- Removable battery holder for fast, easy replacement.
- Built-in compressor protection.
- **Focus Pro 3 Heat/ 2 Cool**

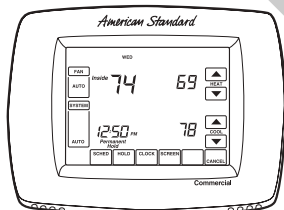


ASYSSTAT090A

Programmable Comfort Controls for ReliaTel™ Units

ASYSSTAT090A

- Large, Clear Display with Backlighting — Current temperature, set temperature and time are easy-to-read and all are displayed on the main screen.
- Menu Driven Programming — Provides guidance through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days — Allows easy customizing for unique schedules.
- Real-Time Clock—Keeps time during power failure; automatically updates for daylight saving time.
- Armchair Programming — Can remove thermostat from wall to set the schedule.
- Precise Temperature Control ($\pm 1^\circ\text{F}$) — reliable, consistent comfort.
- Multiple OVERRIDE options — Can modify schedule for a specific period of time (up to 365 days).
- Outdoor Temperature Indication — Displays current outdoor temperature to help plan outdoor activities.
- **2 Heat/2 Cool**



ASYSSTAT092A

ASYSSTAT092A

- Large, Clear Display with Backlighting — Current temperature, set temperature and time are easy-to-read and all are displayed on the main screen.
- Menu Driven Programming — Provides guidance through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days — Allows easy customizing for unique schedules.
- Real-Time Clock — Keeps time during power failure; automatically updates for daylight savings.
- Armchair Programming — Can remove thermostat from wall to set the schedule. Precise Temperature Control ($\pm 1^\circ\text{F}$) — reliable, consistent comfort.
- Multiple OVERRIDE options — Can modify schedule indefinitely or for a specific period of time.
- Programmable Fan — Increases indoor air quality when combined with air cleaning equipment.
- Outdoor Temperature Indication — Displays current outdoor temperature to help plan outdoor activities.
- **2 Heat/2 Cool Commercial Vision Pro**

Programmable Comfort Controls for ReliaTel™ Units



ASYSTAT800A

ASYSTAT800A

- Wall mounted remote space sensor
- For use with ASYSTAT090A, ASYSTAT092A, and ASYSTAT093A programmable thermostats

Zone Sensor Unit Installation

The zone sensor provides the operator control and zone temperature sensing functions for use with electronic unit controls. Refer to the appropriate unit installation manual for interconnecting wiring instructions.

ZONE SENSOR LOCATION

To ensure proper operation, select a location on an interior wall, at a height approximately 5 feet above the floor, with freely circulating air of average temperature.

Avoid Locations:

- Behind doors or in corners where air does not freely circulate.
- On an outside wall or any wall with unheated (uncooled) areas behind the zone sensor.
- Where direct sunlight or any Source: of radiant heat could affect the temperature measurements.
- In line with the discharge air from the unit being controlled.

Mount the zone sensor base on the wall or optional mounting plate with the wires routed through the wire access hole in the base of the zone sensor.

ZONE SENSOR CONTROLS

Emergency Heat/Heat/Auto/Off/Cool

This switch determines whether the unit operates in emergency heat (EM. HEAT - for heat pumps only), heating (HEAT), automatically changing from heating to cooling as required (AUTO), heating and cooling functions disabled (OFF), or cooling (COOL).

Fan Auto/Fan On

This switch determines whether the indoor fan operates during cooling and heating cycles only (FAN AUTO) or runs continuously (FAN ON).

Temperature Adjustments

One or two temperature adjustment controls are provided to set the desired temperature or temperature range (for unit mode AUTO). If two controls are present, the blue control sets the desired temperature for cooling and the red control sets the desired temperature for heating.

Temperature Indicator

This indicates the temperature in the zone. The indicator has been factory calibrated and should not normally require adjustment. If adjustment is needed, it can be accomplished by slowly rotating a small screwdriver in the slot on the back of the indicator until the correct temperature is obtained.

Optional Remote Sensor

When using the optional remote sensor (BAYSENS077A), it should be located in the space that is to be controlled. Wire according to the interconnecting wiring diagrams in the unit IOM.

Installation: 18-HD60D41
Source: Clarksville

Micro Control Zone Sensors



ASYSSTAT106A
Manual Changeover

- 4 wires required.
- Single Setpoint for 3-25 Tons Electric/Electric and Gas/Electric Systems
- Can be used with Remote Sensor (ASYSSTAT669)



ASYSSTAT107A
Manual Changeover

- 4-6 wires required.
- Single Setpoint for W- Heat Pump Systems (3-20 Tons)
- Can be used with Remote Sensor (ASYSSTAT669)



ASYSSTAT108A
Automatic Changeover

- 5 wires required.
- Dual Setpoint for Electric/Electric and Gas Electric Systems (3-25 Tons)
- Can be used with Remote Sensor (ASYSSTAT669)



ASYSSTAT109A
Automatic Changeover

- 5-7 wires required.
- Dual Setpoint for W- Heat Pump Systems (3-20 Tons)
- Can be used with Remote Sensor (ASYSSTAT669)



ASYSSTAT709A/707A
LCD Digital
Display Zone Sensor

- 3-7 wires required.
- Non-Programmable Zone Sensor with a digital display
- ASYSSTAT709A - Cool/Gas
- ASYSSTAT707A - Heat Pumps

Zone Sensors must be used with Micro Control units. Vendor Thermostats which use Triac outputs are not recommended with Micro Control units. Major features lost by using a Conventional Thermostat include the following:

- No diagnostics
- Proportional Integral control
- No smart recovery in the heating mode (heat pumps)
- 2-stage electric heat (heat pumps)
- Stand alone set up and set back for unoccupied features
- Intelligent fall back (unit can run on default value with outdoor air sensor)
- Control wiring size may be increased
- Remote sensing capability
- Space temperature averaging
- Supply air tempering
- Economizer preferred cooling is lost (compressor operation is locked out below 50°F)

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

BUILT TO A HIGHER STANDARD™

American Standard®

HEATING & AIR CONDITIONING



Electronic Programmable Zone Sensors For ReliaTel™ Units

ASYSSTAT777A

- **Automatic or Manual Changeover with System Lights**
- Use With:
 - 3 – 10 Ton Precedent™ Units
 - 12.5 – 25 Ton Voyager™ Units
- Digital display indicating the time of day, the day of the week, room temperature, current program operating mode, and current active stage
- Continuous or 3 hour timed override
- Two occupied, two unoccupied programs per day
- L.C.D. readout in F or C (Celsius) and 12 or 24-hour clock
- Keyboard disable to prevent tampering
- Programming on a 7-day basis
- Status indication lights displayed in Digital Display
- Auxiliary relay (Form 1C)
- Auto Fan During Setback
- No Anticipator Required
- No Battery Required
- No accessories required. Each unit is complete and ready for installation
- Remote Room Sensor (ASYSSTAT669)
- Finish: Pantone Cool Gray #2C
- Replacement: SEN-0415
- Installation: 18-HD60D29
- Source: Clarksville

Integrated Comfort™ Systems Sensors For ReliaTel™ Units



ASYSSTAT669

- **Room Sensor**
- Used with Integrated Comfort™ Systems
- Used With:
 - 3 - 10 Ton Precedent™ Units
 - 12.5 - 25 Ton Voyager™ Units
- Finish: Pantone Cool Gray #2C
- Replacement: SEN01448
- Installation: Included with sensor
- Source: St. Paul GCC/Clarksville



Beveled Top
Smoother Design
Small compact cabinet
Recessed access handles

Packaged Cooling Convertible 3-10 Tons

Standard Features:

- American Standard Heating & Air Conditioning scroll compressors on all 3-10 ton units
- Colored and numbered wiring
- Phase Monitor, R-410A 3 Phase Units
- Provisions for through the Base Condensate Drain Connections
- 2" throwaway filters provided on all ton units
- Liquid Line Refrigerant Drier
- Operating Charge of R-410A
- IAQ Sloped Drain Pans
- Single point power for Electric Heat
- Low Ambient to 40°F on Electromechanical models
- Low Ambient to 0°F on ReliaTel™ models
- 5 - year Limited Compressor Warranty
- 1 - year Limited Parts Warranty

Added Flexibility

- Electromechanical or ReliaTel™ controls (**See page LPC-12 for ReliaTel™ Control Information**)
- Standard or high efficiency cooling models available. 17+ available in 3T to 5T. For reference to 17+ please refer to publications RT-PRC048-EN and RT-SLB020-EN
- Convertible airflow (ships in downflow application)
- Fork lift openings on three sides of unit
- Direct or belt drive - standard or oversized motors (Direct for 3-5 ton only)
- We don't prepackage options
- Choose options tailored to suit each job —pay only for what is needed
- Units ship with options installed —and within our standard ship cycle time

Factory Installed Options

- Through-the-Base — Electrical
- Convenience Outlet — Powered or unpowered
- Unit Disconnect Switch
- Smoke Detectors — Supply, return, or both
- Condenser Coil Coating
- Hinged Access Service Panels
- Discharge Air Sensor
- Fan Fail and Clogged Filter Switches
- Condenser Coil Guard — Hail Protection Quality
- Dehumidification Hot Gas Reheat Coil (High Efficiency Units Only)
- Froststat
- Novar Controls
- Comm 3/4 Communications Interface
- BACnet™ Communications Interface
- 2" Pleated Media filters
- 2" MERV 8 filters or 2" MERV 13 filters
- Multi-Speed & Single Zone VAV ID Airflow
- Demand Control Ventilation
- Stainless Steel Drainpan
- Condensate Drainpan Overflow Switch

The same American Standard Heating & Air Conditioning Quality and Reliability ... with added Flexibility!

BUILT TO A HIGHER STANDARD™

American Standard®
HEATING & AIR CONDITIONING

Packaged Cooling Convertible 3-5 Tons, R-410A

Table LPC-2-A — Precedent™ 17 Plus — R-410A — ReliaTel™ Controls Only

Tons	Unit Ordering No.	Performance SEER	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max Fuse**
THC - 208-230/3/60 - Three Phase - No Heat									
3	THC037E3R0A0000	17.5	36,500	36 x 44 x 69	16 x 15.5	24 x 14	614	23.3	30
4	THC047E3R0A0000	17.5	50,500	41 x 53 x 88	33 x 17.5	32 x 17.5	787	29.4	40
5	THC067E3R0A0000	17.2	60,000	41 x 53 x 88	33 x 17.5	32 x 17.5	841	32.2	45
THC - 460/3/60 - Three Phase - No Heat									
3	THC037E4R0A0000	17.5	36,500	36 x 44 x 69	16 x 15.5	24 x 14	614	11.4	15
4	THC047E4R0A0000	17.5	50,500	41 x 53 x 88	33 x 17.5	32 x 17.5	787	13.7	20
5	THC067E4R0A0000	17.2	60,000	41 x 53 x 88	33 x 17.5	32 x 17.5	841	15.2	20

Table PC-2-B — Base Unit — 15 SEER High Efficiency — R-410A — Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance ^② SEER	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max ^① Fuse**
THC - 208-230/1/60 - Single Phase - No Heat									
3	THC036E1*0A0000	15.2	38,490	36 x 44 x 69	16 x 15.5	24 x 14	555	26.7	40
4	THC048E1*0A0000	15.0	48,930	41 x 53 x 88	33 x 17.5	32 x 17.5	798	35.7	50
5	THC060E1*0A0000	15.0	62,480	41 x 53 x 88	33 x 17.5	32 x 17.5	823	43.8	70
THC - 208/3/60 - Three Phase - No Heat									
3	THC036E3*0A0000	15.0	38,490	36 x 44 x 69	16 x 15.5	24 x 14	555	21.9	30
4	THC048E3*0A0000	15.0	48,930	41 x 53 x 88	33 x 17.5	32 x 17.5	637	28.3	40
5	THC060E3*0A0000	15.0	62,480	41 x 53 x 88	33 x 17.5	32 x 17.5	869	32.1	45
THC - 460/3/60 - Three Phase - No Heat									
3	THC036E4*0A0000	15.0	38,490	36 x 44 x 69	16 x 15.5	24 x 14	555	10.2	15
4	THC048E4*0A0000	15.0	48,930	41 x 53 x 88	33 x 17.5	32 x 17.5	637	13.8	20
5	THC060E4*0A0000	15.0	62,480	41 x 53 x 88	33 x 17.5	32 x 17.5	869	17.0	25

Table LPC-2-C — Base Unit — 14 SEER — R-410A — Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance SEER	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max Fuse**
TSC - 208-230/3/60 - Three Phase - No Heat									
3	TSC036G3*0A0000	14.0	37,000	41 x 44 x 69	16 x 15.5	24 x 14	537	19.9	30
4	TSC048G3*0A0000	14.0	49,000	41 x 44 x 69	16 x 15.5	24 x 14	557	25.4	35
5	TSC060G3*0A0000	14.0	60,000	41 x 44 x 69	16 x 15.5	24 x 14	603	28.2	40
TSC - 460/3/60 - Three Phase - No Heat									
3	TSC036G4*0A0000	14.0	37,000	41 x 44 x 69	16 x 15.5	24 x 14	537	9.5	15
4	TSC048G4*0A0000	14.0	49,000	41 x 44 x 69	16 x 15.5	24 x 14	557	11.0	15
5	TSC060G4*0A0000	14.0	60,000	41 x 44 x 69	16 x 15.5	24 x 14	603	12.0	15

^① HACR breaker per NEC.

^② SEER applies, 3-5 tons; EER applies 6-10 tons.

* Digit 9 - E = Electromechanical or R = ReliaTel™.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Cooling Convertible 6 - 10 Tons, R-410A

Table LPC-3-A — Base Unit — High Efficiency — R-410A — Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance EER	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max ^① Fuse**
THC – 208-230/3/60 – Three Phase High Efficiency									
6	THC072F3*0A0000	14.5	72,000	47 x 53 x 88	33 x 17.5	32 x 17.5	997	33.9	50
6	THC074F3*0A0000	15.5	73,000	47 x 53 x 88	33 x 17.5	32 x 17.5	1016	37.4	50
7½	THC092F3*0A0000	14.5	92,000	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	41.9	50
8½	THC102F3*0A0000	14.7	103,000	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	42.0	50
10	THC120F3*0A0000	14.7	116,000	51 x 63 x 100	33 x 17.5	32 x 17.5	1326	46.1	60
THC – 460/3/60 – Three Phase									
6	THC072F4*0A0000	14.5	72,000	47 x 53 x 88	33 x 17.5	32 x 17.5	997	16.3	25
6	THC074F4*0A0000	15.5	73,000	47 x 53 x 88	33 x 17.5	32 x 17.5	1016	18.7	25
7½	THC092F4*0A0000	14.5	92,000	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
8½	THC102F4*0A0000	14.7	103,000	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
10	THC120F4*0A0000	14.7	116,000	51 x 63 x 100	33 x 17.5	32 x 17.5	1326	21.9	30

Table LPC-3-B — Base Unit — Standard Efficiency — R-410A — Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance SEER/EER	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max Fuse**
TSC – 208-230/3/60 – Three Phase – No Heat									
6	TSC072F3*0A0000	13.0	75,000	42 x 53 x 88	33 x 17.5	32.13 x 17.5	898	36.5	50
7½	TSC090F3*0A0000	12.2	89,000	42 x 53 x 88	33 x 17.5	32.13 x 17.5	815	38.2	60
7½	TSC092F3*0A0000	13.0	94,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1009	41.2	50
8½	TSC102F3*0A0000	12.8	102,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1048	46.3	60
10	TSC120F3*0A0000	13.0	119,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1058	49.6	60
TSC – 460/3/60 – Three Phase – No Heat									
6	TSC072F4*0A0000	13.0	75,000	42 x 53 x 88	33 x 17.5	32.13 x 17.5	898	18.2	25
7½	TSC090F4*0A0000	12.2	89,000	42 x 53 x 88	33 x 17.5	32.13 x 17.5	815	19.5	30
7½	TSC092F4*0A0000	13.0	94,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1009	21.5	25
8½	TSC102F4*0A0000	12.8	102,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1048	21.9	25
10	TSC120F4*0A0000	13.0	119,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1058	22.7	35
TSC – 575/3/60 – Three Phase – No Heat									
6	TSC072FW*0A0000	13.0	75,000	42 x 53 x 88	33 x 17.5	32.13 x 17.5	898	12.7	20
7½	TSC090FW*0A0000	12.2	89,000	42 x 53 x 88	33 x 17.5	32.13 x 17.5	815	14.7	20
7½	TSC092FW*0A0000	13.0	94,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1009	15.0	20
8½	TSC102FW*0A0000	12.8	102,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1048	17.5	20
10	TSC120FW*0A0000	13.0	119,000	46 x 53 x 88	33 x 17.5	32.13 x 17.5	1058	18.9	25

① HACR breaker per NEC.

* Digit 9-E=Electromechanical or R=ReliaTel™.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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Packaged Cooling Convertible 3-10 Tons (Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1-8	Main Assembly (see previous page)		21	Communications Options^②	
9	Unit Controls			No Communications Interface	0
	Electro-Mechanical	E		Comm 3/4 Communications Interface	1
	ReliaTel™ Micro-processor	R		Novar 2024 Controls	3
10	(See Heater Table below)			Novar 3051 Controls	4
11	Minor Design Sequence			Novar 3051 Controls Interface with DCV	5
	First Sequence	A		BACnet™ Communications Interface	6
12-13	Service Sequence		22	Refrigeration System Option	
	First Sequence (Factory Supplied)	*,*		Standard Refrigeration System	0
14	Fresh Air Selection			Dehumidification (Hot Gas Reheat Coil) ^{②⑦}	B
	No Fresh Air	0	23	Refrigeration Controls	
	0-50% Manual Outside Air Damper ^⑩	A		Note: Applicable to Digit 7 = E,F	
	0-50% Motorized Outside Air Damper	B		No Refrigeration Control	0
	0-100% Economizer, Dry Bulb without			Froststat ^④	1
	Barometric Relief ^②	C		Crankcase Heater	2
	0-100% Economizer, Dry Bulb with			Froststat and Crankcase Heater	3
	Barometric Relief ^②	D	24	Smoke Detector^{⑤⑥}	
	0-100% Economizer, Reference Enthalpy			No Smoke Detector	0
	without Barometric Relief ^{①②}	E		Return Air Smoke Detector ^{⑥⑦}	A
	0-100% Economizer, Reference Enthalpy			Supply Air Smoke Detector	B
	with Barometric Relief ^{①②}	F		Supply and Return Air Smoke Detectors ^{⑥⑦}	C
	0-100% Economizer, Comparative Enthalpy			Plenum Smoke Detector	D
	without Barometric Relief ^{①②}	G	25	Monitoring Controls^②	
	0-100% Economizer, Comparative Enthalpy			No Monitoring Control ^③	0
	with Barometric Relief ^{①②}	H		Clogged Filter Switch ^③	1
	Low Leak Economizer, Dry Bulb			Fan Failure Switch ^④	2
	with Barometric Relief	K		Discharge Air Sensing Tube ^⑤	3
	Low Leak Economizer, Comparative Enthalpy			Clogged Filter Switch and Fan Fail Switch ^③	4
	with Barometric Relief	M		Clogged Filter Switch and Discharge	
	Low Leak Economizer, Reference Enthalpy			Air Sensing Tube ^⑤	5
	with Barometric Relief	P		Fan Fail Switch and Discharge Air Sensing Tube ^⑤	6
15	Supply Fan/Drive Type/Motor			Clogged Filter and Fan Fail Switches	
	Standard Drive	0		and Discharge Air Sensing Tube ^⑤	7
	Oversized Motor	1		Novar Return Air Sensor ^⑨	8
	Optional Belt Drive Motor (3 phase only)	2		Novar 3051 Zone Sensor ^⑨	9
	Single Zone VAV	6		Condensate Drain Pan Overflow Switch	A
	Multi-Speed Indoor Fan	7		Clogged Filter Switch ^③ and	
	VAV Supply Air Temperature Control Standard Motor ..	E		Condensate Drain Pan Overflow Switch	B
16	Hinged Service Access & Filters			Fan Failure Switch ^③ and Condensate	
	Standard Panels & Filters	0		Drain Pan Overflow Switch	C
	Hinged Access Panels & Standard Filters	A		Discharge Air Sensing ^⑤ and	
	Standard Panels & 2" Pleated Filters MERV 8	B		Condensate Drain Pan Overflow Switch	D
	Hinged Access Panels & 2" Pleated Filters MERV 8	C		Clogged Filter Switch ^③ , Fan Failure Switch ^③	
	Standard Panels/2" MERV 13 Filters	D		and Condensate Drain Pan Overflow Switch	E
	Hinged Access Panels/2" MERV 13 Filters	E		Clogged Filter Switch ^③ , Discharge Air	
17	Condenser Coil Protection			Sensing Tube ^⑤ and Condensate Drain Pan	
	Standard Coil	0		Overflow Switch	F
	Standard Coil with Hail Guard	1		Fan Failure Switch, Discharge Air Sensing Tube ^⑤	
	Black Epoxy Pre-Coated Condenser Coil	2		and Condensate Drain Pan Overflow Switch	G
	Black Epoxy Pre-Coated Condenser Coil			Clogged Filter Switch ^③ , Fan Failure Switch ^③ ,	
	with Hail Guard	3		Discharge Air Sensing ^⑤ and Condensate Drain	
	Complete Coat™ Condenser Coil	4		Pan Overflow Switch	H
	Complete Coat™ Condenser Coil with Hail Guard	5	26	System Monitoring Controls	
18	Through the Base Provisions			No Monitoring Controls	0
	No Through the Base Provisions	0		Demand Control Ventilation (CO ₂) ^{⑭⑮}	A
	Through the Base Electric ^⑪	A	27	Unit Hardware Enhancements	
19	Disconnect/Circuit Breaker /Phase Monitor (3 phase only)			No Enhancements	0
	No Disconnect/ Circuit Breaker	0		Stainless Steel Drain Pan	1
	Unit Mounted Non-Fused Disconnect ^⑩	1		Fault Detection and Diagnostics (FDD)	B
	Unit Mounted Circuit Breaker ^⑩	2		Fault Detection and Diagnostics (FDD)	
20	Convenience Outlet			with Demand Control Ventilation	C
	No Convenience Outlet	0	31	Advanced Unit Controls	
	Unpowered Convenience Outlet	A		Standard Unit Controls	0
	Powered Convenience Outlet (3 phase only) ^③	B		Human Interface	1

① Enthalpy control not available factory installed with electro-mechanical controls.
 ② Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric relief for horizontal configured units must be ordered as field installed accessory BAYBARM010A.

③ Requires use of Disconnect or Circuit Breaker.
 ④ Froststat cannot be field installed in electro-mechanical units.
 ⑤ Not available with BAYFRST001A High Temperature Stat accessory.
 ⑥ The return air smoke detector may not fit up or work properly on the Convertible units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.
 ⑦ Return Air Smoke Detector cannot be ordered with Novar Controls.
 ⑧ These options are standard when ordering Novar Controls.
 ⑨ This options for use when ordering Novar Control only.
 ⑩ The manual outside air damper will ship factory supplied within the unit, but must be field installed.
 ⑪ Through the base electric required when ordering disconnect/circuit breaker options.
 ⑫ Not available with electro-mechanical unit controls.
 ⑬ Novar Sensor utilized with digit 21 = (4) Novar 3051 Controls without Zone Sensor.
 ⑭ Available for T/Y 10 ton standard efficiency models only.

⑮ Available for T/Y 3, 4, 5, 6, 7½, 8½ ton standard/high efficiency models only.
 ⑯ Requires selection of 2" Pleated Filters (option B or C) for Digit 16.

⑰ Not available on 6 ton units and all single phase or standard efficiency.
 ⑱ Standard on T/YSC 6, 7½ (single and dual systems), 8½, 10 ton standard efficiency models and T/YHC 4, 5, 6, 7½ ton high efficiency models (except for dehumidification models).
 ⑲ Epoxy coil and epoxy with hailguard options are not available for units with microchannel condenser coil.
 ⑳ Single Zone VAV is only available on 7.5-10 ton high efficiency and 10 ton standard efficiency products with ReliaTel™ controls.
 ㉑ Multi-speed indoor fan available only on 7.5 & 8.5 ton high efficiency, and 10 ton products with ReliaTel™ controls.
 ㉒ Motorized Outside Air Damper is not available on Multi-Speed or SZVAV (Single Zone Variable Air Volume) products.
 ㉓ Froststat standard on Multi-Speed and SZVAV (Single Zone Variable Air Volume) products.
 ㉔ Novar is not available with SZVAV products.
 ㉕ Demand Control Ventilation not available with electromechanical controls.
 ㉖ Demand Control Ventilation Option includes wiring only. The CO₂ sensor is a field-installed only option.
 ㉗ When ordering Dehumidification option, Digit #7 will revert back to E, not F.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

LPC-4

Effective 1/1/18
14-1011-35

Packaged Cooling Convertible 3-10 Tons (Model Digit Numbers)

Heaters (Digit 10)

kW Rating	Digit	Nominal BTUH	No. Stages	Used With	kW Rating	Digit	Nominal BTUH	No. Stages	Used With
208/240/1/60					460/3/60				
3.7/5.0	(A)	12,800/17,100	1	T*C036-060*1	6.0	(B)	20,500	1	T*C036-060*4
7.5/10.0	(D)	25,600/34,100	2	T*C036-060*1	12.0	(E)	41,000	2	T*C036-060*4
10.3/13.8	(F)	35,300/47,100	2	T*C036-060*1	17.6	(G)	59,400	2	T*C036-060*4
13.2/17.6	(G)	45,100/60,100	2	T*C048-060*1	23.0	(J)	78,500	2	T*C060*4
208/240/3/60					9.0	(C)	30,700	1	T*C072-102*4
4.5/6.0	(B)	13,400/20,500	1	T*C036-060*3	18.0	(G)	61,400	1	T*C072-120*4
9.0/12.0	(E)	30,800/59,400	2	T*C036-060*3	27.0	(K)	92,100	2	T*C072-120*4
13.2/17.6	(G)	44,600/59,400	2	T*C036-060*3	36.0	(N)	122,900	2	T*C072-120*4
17.2/23.0	(J)	58,900/78,500	2	T*C060*3	54.0	(P)	184,300	2	T*C120*4
6.75/9.0	(C)	23,000/30,700	1	T*C072-102*3	575/3/60				
13.5/18.0	(G)	46,100/61,400	1	T*C072-120*3	6.0	(B)	20,500	1	T*C036-060*W
20.3/27.0	(K)	69,000/92,100	2	T*C072-120*3	12.0	(E)	41,000	2	T*C036-060*W
27.0/36.0	(N)	92,200/122,900	2	T*C072-120*3	17.6	(G)	59,400	2	T*C036-060*W
40.5/54.0	(P)	138,200/184,300	2	T*C120*3	23.0	(J)	78,500	2	T*C060*W
					9.0	(C)	30,700	1	T*C072-102*W
					18.0	(G)	61,400	1	T*C072-120*W
					27.0	(K)	92,100	2	T*C072-120*W
					36.0	(N)	122,900	2	T*C072-120*W
					54.0	(P)	184,300	2	T*C120*W

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Packaged Cooling Convertible 3-5 Tons, R-410A Electric Heaters

Table LPC-6-A — Accessory Electric Heaters – Unit with Heater is single circuit / single point power entry (3-5 Ton units)

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTRE105A	208-230/1/60	3.8/5.0	12,900/13,400	1	THC036E1
BAYHTRE110A	208-230/1/60	7.5/10.0	25,600/34,000	2	THC036E1
BAYHTRE114A	208-230/1/60	10.4/13.8	35,000/47,100	2	THC036E1
BAYHTRE306C	208-230/3/60	4.5/6.0	13,400/20,500	1	THC036E3 THC037E3, TSC036G-060G3
BAYHTRE312C	208-230/3/60	9.0/12.0	30,800/41,000	2	THC036E3 THC037E3, TSC036G-060G3
BAYHTRE318C	208-230/3/60	13.0/17.4	44,600/59,400	2	THC036E3 THC037E3, TSC036G-060G3
BAYHTRE323C	208-230/3/60	17.3/23.0	44,600/59,400	2	TSC060G3
BAYHTRE406C	460/3/60	6	20500	1	THC036E4 THC037E4, TSC036G-060G4
BAYHTRE412C	460/3/60	12	41000	2	THC036E4 THC037E4, TSC036G-060G4
BAYHTRE418C	460/3/60	17.4	59400	2	THC036E4 THC037E4, TSC036G-060G4
BAYHTRE423C	460/3/60	17.3/23.0	59400	2	TSC060G4
BAYHTREW06C	575/3/60	6	20500	1	TSC036G-060GW
BAYHTREW12C	575/3/60	12	41000	2	TSC036G-060GW
BAYHTREW18C	575/3/60	17.4	59400	2	TSC036G-060GW
BAYHTREW23C	575/3/60	17.3/23.0	59400	2	TSC060GW
BAYHTRX105A	208-230/1/60	3.8/5.0	12,900/13,400	1	THC048-060F1
BAYHTRX110A	208-230/1/60	7.5/10.0	25,600/34,000	2	THC048-060F1
BAYHTRX114A	208-230/1/60	10.4/13.8	35,000/47,100	2	THC048-060F1
BAYHTRX306B	208-230/1/60	4.5/6.0	13,400/20,500	1	THC047-067E3, THC048-060E3, THC048-048F3
BAYHTRX312B	208-230/3/60	9.0/12.0	30,800/41,000	2	THC047-067E3, THC048-060E3, THC048-048F3
BAYHTRX318B	208-230/3/60	13.0/17.4	44,600/59,400	2	THC047-067E3, THC048-060E3, THC048-048F3
BAYHTRX323B	208-230/3/60	17.3/23.0	59,000/78,500	2	THC067E3, THC060E3, THC060F3
BAYHTRX406B	460/3/60	6	20500	1	THC047-067E4, THC048-060E4, THC048-048F4
BAYHTRX412B	460/3/60	12	41000	2	THC047-067E4, THC048-060E4, THC048-048F4
BAYHTRX418B	460/3/60	18	59400	2	THC047-067E4, THC048-060E4, THC048-048F4
BAYHTRX423B	460/3/60	23	78500	2	THC067E4, THC060E4, THC060F4

Packaged Cooling Convertible 6-10 Tons, R-410A Electric Heaters

**Table LPC-7-A — Accessory Electric Heaters – Unit with Heater is single circuit / single point power entry
 (6-8 1/2 Ton Standard Efficiency units)**

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTRS309B	208-230/3/60	6.75/9.0	23,000/30,700	1	TSC072F3, TSC072H3
BAYHTRS318B	208-230/3/60	13.5/18.0	46,100/61,400	2	TSC072F3, TSC072H3
BAYHTRS327B	208-230/3/60	20.3/27.0	69,000/92,100	2	TSC072F3, TSC072H3
BAYHTRS336B	208-230/3/60	27.0/36.0	92,200/122,900	2	TSC072F3, TSC072H3
BAYHTRS409B	460/3/60	9	30700	1	TSC072F4, TSC072H4
BAYHTRS418B	460/3/60	18	61400	2	TSC072F4, TSC072H4
BAYHTRS427B	460/3/60	27	92100	2	TSC072F4, TSC072H4
BAYHTRS436B	460/3/60	36	122900	2	TSC072F4, TSC072H4
BAYHTRSW09B	575/3/60	9	30700	1	TSC072FW, TSC072HW
BAYHTRSW18B	575/3/60	18	61400	2	TSC072FW, TSC072HW
BAYHTRSW27B	575/3/60	27	92100	2	TSC072FW, TSC072HW
BAYHTRSW36B	575/3/60	36	122900	2	TSC072FW, TSC072HW
BAYHTRW309A	208-230/3/60	6.75/9.0	23,000/30,700	1	TSC090F3, TSC090H3
BAYHTRW318A	208-230/3/60	13.5/18.0	46,100/61,400	1	TSC090F3, TSC090H3
BAYHTRW327A	208-230/3/60	20.3/27.0	69,000/92,100	2	TSC090F3, TSC090H3
BAYHTRW336A	208-230/3/60	27.0/36.0	92,200/122,900	2	TSC090F3, TSC090H3
BAYHTRW409A	460/3/60	9	30700	1	TSC090F4, TSC090H4
BAYHTRW418A	460/3/60	18	61400	1	TSC090F4, TSC090H4
BAYHTRW427A	460/3/60	27	92100	2	TSC090F4, TSC090H4
BAYHTRW436A	460/3/60	36	122900	2	TSC090F4, TSC090H4
BAYHTRWW09A	575/3/60	9	30700	1	TSC090FW, TSC090HW
BAYHTRWW18A	575/3/60	18	61400	1	TSC090FW, TSC090HW
BAYHTRWW27A	575/3/60	27	92100	2	TSC090FW, TSC090HW
BAYHTRWW36A	575/3/60	36	122900	2	TSC090FW, TSC090HW
BAYHTRT309B	208-230/3/60	6.75/9.0	23,000/30,700	1	TSC092F3, TSC092H3, TSC102F3, TSC102H3
BAYHTRT318B	208-230/3/60	13.5/18.0	46,100/61,400	2	TSC092F3, TSC092H3, TSC102F3, TSC102H3
BAYHTRT327B	208-230/3/60	20.3/27.0	69,000/92,100	2	TSC092F3, TSC092H3, TSC102F3, TSC102H3
BAYHTRT336B	208-230/3/60	27.0/36.0	92,200/122,900	2	TSC092F3, TSC092H3, TSC102F3, TSC102H3
BAYHTRT409B	460/3/60	9	30700	1	TSC092F4, TSC092H4, TSC102F4, TSC102H4
BAYHTRT418B	460/3/60	18	61400	2	TSC092F4, TSC092H4, TSC102F4, TSC102H4
BAYHTRT427B	460/3/60	27	92100	2	TSC092F4, TSC092H4, TSC102F4, TSC102H4
BAYHTRT436B	460/3/60	36	122900	2	TSC092F4, TSC092H4, TSC102F4, TSC102H4
BAYHTRTW09B	575/3/60	9	30700	1	TSC092FW, TSC092HW, TSC102FW, TSC102HW
BAYHTRTW18B	575/3/60	18	61400	2	TSC092FW, TSC092HW, TSC102FW, TSC102HW
BAYHTRTW27B	575/3/60	27	92100	2	TSC092FW, TSC092HW, TSC102FW, TSC102HW
BAYHTRTW36B	575/3/60	36	122900	2	TSC092FW, TSC092HW, TSC102FW, TSC102HW

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Packaged Cooling Convertible 6-10 Tons, R-410A Electric Heaters

**Table LPC-8-A — Accessory Electric Heaters – Unit with Heater is single circuit / single point power entry
(6 - 8 1/2 Ton High Efficiency, 10 Ton Units)**

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTRA309A	208-230/3/60	9	30700	1	THC074-102F3
BAYHTRA318A	208-230/3/60	13.5/18	46,100/61,400	1	THC074F3
BAYHTRA327A	208-230/3/60	20.3/27	69,000/92,100	2	TSC120F3, TSC120H3, THC074-102F3
BAYHTRA336A	208-230/3/60	27/36	92,200/122,900	2	THC074F3
BAYHTRA354A	208-230/3/60	40.5/54	138,200/184,300	2	TSC120F3, TSC120H3
BAYHTRA409A	460/3/60	9	30700	1	THC074F-THC102F
BAYHTRA418A	460/3/60	18	61400	1	TSC120F4, TSC120H4, THC074-102F4
BAYHTRA427A	460/3/60	27	92100	2	TSC120F4, TSC120H4, THC074-102F4
BAYHTRA436A	460/3/60	36	122900	2	TSC120F4, TSC120H4, THC074-102F4
BAYHTRA454A	460/3/60	54	184300	2	TSC120F4, TSC120H4
BAYHTRAW18A	575/3/60	18	61400	1	TSC120FW, TSC120HW
BAYHTRAW36A	575/3/60	36	122900	2	TSC120FW, TSC120HW
BAYHTRAW54A	575/3/60	54	184300	2	TSC120FW, TSC120HW
BAYHTRD318A	208-230/3/60	13.5/18.0	46,100/61,400	1	THC120F3
BAYHTRD327A	208-230/3/60	20.3/27.0	69,000/92,100	2	THC120F3
BAYHTRD336A	208-230/3/60	27.0/36.0	92,100/122,900	2	THC120F3
BAYHTRD354A	208-230/3/60	40.6/54.0	138,000/184,300	2	THC120F3
BAYHTRD418A	460/3/60	18	61400	1	THC120F4
BAYHTRD427A	460/3/60	27	92100	2	THC120F4
BAYHTRD436A	460/3/60	36	122900	2	THC120F4
BAYHTRD454A	460/3/60	54	184300	2	THC120F4
BAYHTRZ318A	208-230/3/60	13.5/18.0	46,100/61,400	1	TSC092H3, TSC102H3, TSC120F3, TSC120H3, THC092-102F3
BAYHTRZ336A	208-230/3/60	20.3/27.0	69,000/92,100	2	TSC092H3, TSC102H3, TSC120F3, TSC120H3, THC092-102F4
BAYHTRZ337A	208-230/3/60	27.0/36.0	92,100/122,900	2	THC120F3
BAYHTRZ354A	208-230/3/60	40.6/54.0	138,000/184,300	2	THC120F3
BAYHTRZ436A	460/3/60	36	122900	2	THC120F4
BAYHTRZ454A	460/3/60	54	184300	2	THC120F4

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

LPC-8

Effective 1/1/18
14-1011-35

Packaged Cooling Convertible 3-10 Tons Accessories

Table LPC-9-A — Accessories

Model Number	Description	Used With
BAYABRD001C.....	ReliaTel™ Options Module.....	All T*036-120* (ReliaTel™) See Note ⑤
BAYASCT001.....	Anti-Short-Cycle Timer.....	All T*036-120* (Electro Mechanical)
BAYBARM010A④.....	Barometric Relief	THC036-060*, THC036E
BAYBARM011A④.....	Barometric Relief	TSC072-102*, THC092F, TSC120F, THC048*-120*
BAYBCIR001A.....	Bacnet™ Communication Interface	ReliaTel™ Controller (BCI-R)
BAYCO2K001B③⑥.....	CO ₂ Sensor Kit, Wall Mounted.....	All T*036-120* (ReliaTel™)
BAYCO2K003B③⑥.....	CO ₂ Sensor Kit, Duct Mounted.....	All T*036-120* (ReliaTel™)
BAYCURB042A②.....	Roof Curb.....	TSC036-060, THC036, THC037
BAYCURB043A②.....	Roof Curb.....	TSC072-120, THC048-102
BAYCURB044A.....	Roof Curb.....	THC120
BAYDMPR053B.....	0-50% Manual Outside Air Damper	TSC036-060, THC036, THC037
BAYDMPR056B.....	0-50% Manual Outside Air Damper	TSC072-120, THC047-120
BAYDMPR051A.....	0-50% Motorized Outside Air Damper	TSC036-060, THC036, THC037 (ReliaTel™)
BAYDMPR052B.....	0-50% Motorized Outside Air Damper	TSC036-060, THC036 (Electro Mechanical)
BAYDMPR054A.....	0-50% Motorized Outside Air Damper	TSC072-120, THC047-120 (ReliaTel™)
BAYDMPR055B.....	0-50% Motorized Outside Air Damper	TSC072-120, THC047-120 (Electro Mechanical)
BAYECON085A③.....	0-100% Dry Bulb Economizer without Barometric Relief ...	TSC036-060, THC036, THC037 (ReliaTel™)
BAYECON086B③.....	0-100% Dry Bulb Economizer without Barometric Relief ...	TSC036-060, THC036 (Electro Mechanical)
BAYECON087A③.....	0-100% Dry Bulb Economizer without Barometric Relief ...	TSC072-120, THC047-120 (ReliaTel™)
BAYECON088B③.....	0-100% Dry Bulb Economizer without Barometric Relief ...	TSC072-120, THC048-120 (Electro Mechanical)
BAYECON704A.....	Downflow Low Leak Economizer	TSC072-120, THC047-120 (ReliaTel™)
BAYECON705B.....	Downflow Low Leak Economizer	TSC036-060, THC036, THC037 (ReliaTel™)
BAYENTH300A.....	Reference Enthalpy Kit (Solid State).....	BAYECON086A, 088A (Electro-Mechanical)
BAYENTH301A.....	Comparative Enthalpy Kit (Solid State).....	BAYECON086A, 088A (Electro-Mechanical)
BAYENTH005A①.....	Reference Enthalpy Kit.....	BAYECON085A, 087A (ReliaTel™)
BAYENTH006B①.....	Comparative Enthalpy Kit.....	BAYECON086A, 087A (ReliaTel™)
BAYFRST003A③⑥.....	High Temperature Stat	All T*036-120E

① Kits contain all necessary parts to achieve desired level of enthalpy control.

② Lynn Haven Manufacturing has a No-Return policy for this roof curb.

③ For use with ReliaTel™ controlled units only.

④ Barometric Relief accessory installs in ductwork for horizontal configuration. For downflow configuration, installs in the unit's horizontal return duct. See Installer's Guide for complete instructions.

⑤ BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE004A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options include the ReliaTel™ Options Module.

⑥ For use with electromechanical controlled units only.

⑦ Activated on Power On.

⑧ Field installed accessory requires economizer.

⑨ The manual outside air damper will ship factory supplied within the unit, but must be field installed.

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Packaged Cooling Convertible 3-10 Tons Accessories

Table LPC-10-A — Accessories

Model Number	Description	Used With
BAYGARD037C.....	Condenser Coil Hail Guard	THC036, THC037
BAYGARD040C.....	Condenser Coil Hail Guard	TSC072-090, THC047-067
BAYGARD041C.....	Condenser Coil Hail Guard	TSC092-120
BAYGARD070A.....	Condenser Coil Hail Guard	THC120
BAYGARD137A.....	Condenser Coil Hail Guard	TSC036-060
BAYGARD141A.....	Condenser Coil Hail Guard	THC072-102
BAYHSDR012A.....	High Static Drive Kit	THC072
BAYHSMT082A.....	2 HP Oversized Motor Kit (208-230/460V)	TSC072*3, 4
BAYHSMT083A.....	2 HP Oversized Motor Kit (575V)	TSC072*W
BAYHSMT086A.....	3 HP Oversized Motor Kit (208-230/460V)	TSC090*-102*3, 4
BAYHSMT087A.....	3 HP Oversized Motor Kit (575V)	TSC090-102*W
BAYHSMT402A.....	2 HP Oversized Motor Kit	THC072*3, 4
BAYHSDR012A.....	High Static Drive Kit	TSC072
BAYLSMW001A0.....	Power Exhaust Limit Switch	All T*036-120*, R
BAYLOAM020B①③④.....	Evaporator Defrost Control (Frostat)	THC036 (ReliaTel™)
BAYLOAM120A.....	Evaporator Defrost Control (Frostat)	TSC036-060 (ReliaTel™)
BAYLSDR006B.....	Low Static Drive Kit: 3-5T High Efficiency	THC036-060
BAYLSDR009A.....	Low Static Drive Kit	TSC092-102, THC072
BAYLTIC002B.....	LonTalk® Communications Interface (LCI)	All T*036-120*, R (ReliaTel™)
BAYPWRX026A.....	Power Exhaust (208-230/3 VAC)	TSC072-120*3, THC047-120*3
BAYPWRX027A.....	Power Exhaust (460/3 VAC)	TSC072-120*4, THC047-120*4
BAYPWRX028A.....	Power Exhaust (575/3 VAC)	TSC072-120*W, THC047-120*W
BAYPWRX070A.....	Power Exhaust (208-230/3 VAC)	TSC036-060*3, THC036*3, THC037*3
BAYPWRX071A.....	Power Exhaust (460/3 VAC)	TSC036-060*4, THC036*4, THC037*4
BAYPWRX072A.....	Power Exhaust (575/3 VAC)	TSC036-060*W
BAYQACB009A②⑤.....	Quick Adapt Roof Curb	TSC036-060, THC036, THC037
BAYQACB010A②⑤.....	Quick Adapt Roof Curb	TSC036-060, THC036, THC037
BAYQACB011A②⑦.....	Quick Adapt Roof Curb	TSC072-120, THC047-102
BAYQACB012A②⑦.....	Quick Adapt Roof Curb	TSC072-120, THC047-102
BAYQACB013A②⑦.....	Quick Adapt Roof Curb	TSC072-120, THC047-102
BAYRTEM001A⑩.....	Fully Featured ReliaTel™ Economizer Logic Model.....	All T*036-120*, R
BAYSTAT023③.....	Remote Potentiometer.....	All T*036-120*, R
BAYSERV001A③.....	Selective Resistance Service Tester	All T*036-120*, R
BAYSENS016A③.....	Temperature Sensor.....	All T*036-120*, R
BAYSENS250A③⑥.....	CO2 Duct Mounted, Sensor Only	All T*036-120*, R (ReliaTel™)
BAYSENS251A③⑥.....	CO2 Wall Mounted, Sensor Only	All T*036-120*, R (ReliaTel™)
BAYTUBE005A.....	Discharge Air Sensing Kit.....	THC036-037**R
BAYTUBE007A.....	Discharge Air Sensing Kit.....	TSC072-102**R, THC047-072**R
BAYTUBE105A.....	Discharge Air Sensing Kit.....	TSC036-060**R
BAYTUBE401A.....	Discharge Air Sensing Kit.....	TSC120**R, THC074-102**R
BAYTUBE403A.....	Discharge Air Sensing Kit.....	THC120F*R
BAYVNOR001B③④⑤.....	Ventilation Override Kit w/ReliaTel™ options module.....	All T*036-120*, R

① For ReliaTel™ microprocessor controlled units only. Must be factory installed for electromechanical controlled units.

② Lynn Haven Manufacturing has a No-Return policy for this roof curb.

③ For use with ReliaTel™ controlled units only.

④ BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE004A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options include the ReliaTel™ Options Module.

⑤ BAYQACB009A adapts Voyager BAYCURB021B to accept Precedent™ 3-5 ton unit. BAYQACB010A adapts Voyager BAYCURB022B to accept Precedent™ unit.

⑥ Cannot be used in conjunction with Barometric Relief. Order Economizer without Barometric Relief.

⑦ BAYQACB012A adapts Voyager BAYCURB025A to accept Precedent™ 6-10 ton unit. BAYQACB013A adapts Voyager BAYCURB026A to accept Precedent™ 6-10 ton unit.

⑧ Interface allows a unit with ReliaTel™ Controls to communicate with Tracer 100, Tracker, VariTrac II, and is the preferred method of communication to Tracer Summit.

⑨ Field installed accessory requires economizer.

⑩ When ordering a field installed power exhaust on a unit with electromechanical controls, BAYLSMW001A must be ordered.

⑪ If any version of comparative or reference enthalpy is ordered, BAYRTEM001A does not need to be ordered.

⑫ Order only when unit has factory installed Demand Control Ventilation option.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

Packaged Cooling Convertible 3-10 Tons, R-410A Zone Sensors / Thermostats

Table LPC-11-A — Zone Sensors for ReliaTel™ Controlled Units

Model Number	Description	Used With
ASYSTAT106A	Single Setpoint Manual Changeover	T*C036-120*R
ASYSTAT107A	Single Setpoint	T*C036-120*, R
ASYSTAT108A	Dual Setpoint Manual or Auto Changeover	T*C036-120*R
ASYSTAT109A	Dual Setpoint Changeover Sensor	T*C036-120*, R
ASYSTAT111A	Remote Room Sensor	
ASYSTAT777A	Programmable Night Setback w/System Function Lights (Vertical Style)	T*C036-120*R
ASYSTAT708A	Programmable Night Setback w/System Function Lights	T*C036-120*R
ASYSTAT710A	Wall Mounted Humidity Sensor	T*C036,120A,3,4,W-R,T*C036-120*_R
ASYSTAT711A	Duct Mounted Humidity Sensor	T*C036-120*,T*C036-120*_R
BAYSENS924A	Title 24 Zone Sensor①	All
BAYMTPL110A	Retrofit Wall Cover Plate Kit 7.25" x 6.0"	ASYSTAT111A

① Must be used with ReliaTel™ Control and BCI Communications Interface

*Either standard or high efficiency models.

Table LPC-11-B — Thermostats — Electromechanical

Model Number	Description	Used With
ASYSTAT712B	CO2 Sensor Kit (Wall Mounted)	T*C036-120*R
ASYSTAT714B	CO2 Sensor Kit (Duct Mounted)	T*C036-120*R

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ReliaTel™ Controls

Packaged Unit Protection/Operation Timings and Features

Alternating Lead/Lag – Dual Compressor Models Only —

During periods of part load operation, each compressor cycles alternately as circuit number one, equalizing compressor wear and run time. Enabled by cutting the wire (BLUE) at (RTRM) junction number J3-8. **Standard**

Anti Short Cycle Timer (ASCT) Function — Provides a three (3) minute minimum “ON” time and a three (3) minute minimum “OFF” time for compressors, enhances compressor reliability by ensuring proper oil return. **Standard**

Built In Evaporator Defrost Control (EDC) Function — Provides low ambient cooling down to 0°F. **Standard**

Built In Fan Delay Relay (FDR) Function — Provides custom indoor fan timing sequences for the different types of equipment, enhancing efficiency and reliability. **Standard**

Built In Night Set Back and Unoccupied Functions① — When using a standard dual setpoint/auto change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Sets cooling setpoint up a minimum of 7°F, sets heating setpoint back a minimum of 7°F, forces outside air damper (if present) minimum position to zero, and forces fan operation to automatic. **Accessory (requires time clock accessory or field supplied/installed switch or contacts).**

Built In “TEST” Mode — Aids in quick verification of system and control operation, exercises both hardware and software (no special tools required). **Standard**

Built In Unoccupied Mode① — When using a standard single setpoint/manual change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Forces outside air damper (if present) minimum position to zero, forces fan operation to automatic. **Accessory (requires time clock accessory or field supplied/installed switch or contacts).**

Direct Digital Control (DDC)① — Proportional Integral (PI) control. Proportional – sets corrective action proportional to deviation from setpoint. Integral – fine tunes the rate of corrective action proportional to the error (results in superior space temperature control). **Standard**

Economizer Preferred Cooling① — Provides fully integrated operation if required. Will not turn on a compressor with the economizer, if the space is recovering adequately with the economizer alone (0.2°F/minute). Allows the equipment to be utilized in more varied applications. **Standard with economizer accessory.**

Emergency Stop Terminals On Low Voltage Terminal Board (LTB-5 and LTB-6) — Provides a convenient point to disable the equipment completely, and immediately. Still provides communication to BAS. **Standard**

Heat Pump Smart Recovery and Smart Staging① — Inhibits auxiliary heat operation if the space is recovering adequately (0.1°F/minute) with the heat pump alone, providing considerable savings in operating costs. **Standard**

Heat Pump Soft Start — Provides a smooth transition into heating after defrost, minimizing noise and compressor stress associated with switch over. **Standard**

Increased Reliability — Fewer components (moving electro-mechanical parts), less likelihood of equipment down time or failure. **Standard**

Integral Electric Heat Staging① — Stages electric heaters “OFF” and “ON”, eliminating the use of outdated sequencers. **Standard**

Intelligent Fallback① — A built in Default Control provides adaptive operation, which allows the equipment to continue to operate, providing comfort in the event of certain component failures. Also, allows emergency operation without a Zone Sensor Module (ZSM). **Standard**

Low Ambient Start Timer (LAST) Function — Bypasses low pressure control when a compressor starts, eliminating nuisance compressor lock outs. **Standard**

Lower Installation Cost — Using a standard Zone Sensor Module (ZSM), control voltage wiring may be run up to five (5) times further than any electromechanical system, with no increase in wire gauge. Example: Electromechanical System – 30 feet maximum using 22 gauge wire. Micro Control System – 150 feet using 22 gauge wire. **Standard**

On Board Diagnostics① — Assist with equipment troubleshooting, if a problem occurrence should take place. **Standard**

Remote Sensing① — All standard Zone Sensor Modules (ZSMs) have remote sensing capabilities, typically achieved by using an expensive program-mable thermostat and remote sensor with electromechanical equipment. **Accessory (requires use of remote sensor).**

Selectable Economizer Dry Bulb Change Over — Allows the capability of selecting the following dry bulb change over points: 63, 67, 70 or 73°F. **Standard with economizer accessory.**

Space Temperature Averaging① — All standard Zone Sensor Modules (ZSMs) have space temperature averaging capabilities, typically achieved by using an expensive programmable thermostat and minimum of four (4) remote sensors with electromechanical equipment. **Averaging with ReliaTel™ can be achieved with two (2) sensors.**

Supply Air Tempering① — A built in feature, once enabled only through an ICS device, may also be enabled using a digital or programmable Zone Sensor Module. When in the HEAT mode (and not actively heating), if supply air temperature drops 10°F below the heating setpoint, heat is turned on until supply air temperature rises to a point 10°F above the heating setpoint. Provides temperate air during the “OFF” cycle, and eliminates cold air dumping from supply ducts. Extremely effective when introducing any quantity of fresh air. **Standard when using a RTOM, ICS device, digital, or programmable Zone Sensor Module.**

Time Delay Relay (TDR) Function — Provides an incremental staging delay between compressors, minimizes equipment current inrush and consumption by keeping compressors from starting simultaneously. **Standard**

Low Pressure and High Pressure Compressor Lockout — 3 trips will lockout control.

① Denotes features lost from utilizing standard conventional stat.

ReliaTel™ Controls**Operation With An Electromechanical Thermostat**

When the ReliaTel™ RTRM Thermostat Interface is used, equipment operation differs significantly. The basic equipment protection features remain intact, and the following features and benefits are **LOST**:

- **Direct Digital Control (DDC)** – Proportional Integral (PI) control is lost, equipment is controlled by a thermostat or generic building automation system device.
- **Intelligent Fall back** is lost, if a failure occurs in the device controlling the equipment, operation will cease.
- Installation is more costly, with the addition of a thermostat or generic control, the control wiring size must be increased.
- **Heat Pump Smart Recovery and Smart Staging** is lost, Heat Pump operation becomes more costly unless generic control being applied can accomplish this.
- **Remote Sensing** capabilities are lost, unless generic control being applied can accomplish this.
- **Low ambient disabled economizer and second condensing fan cycling capability.**
- **Space Temperature Averaging** capabilities are lost, unless generic control being applied can accomplish this.
- **Supply Air Tempering** feature is lost, discharge air temperature may be cold when not actively heating if outdoor air is being introduced through the equipment.
- **Built In Night Set Back and Unoccupied** functions are lost, unless generic control being applied can accomplish this.
- **Built In Unoccupied Mode** is lost, unless generic control being applied can accomplish this.
- **Economizer Preferred Cooling Feature** is lost, all compressor operation is locked out below 50°F.

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Packaged Cooling with ReliaTel™ Controls 12½-25 Tons, R-410A

12½-25 Ton T*D-G – Downflow

12½-25 Ton T*H-G – Horizontal

- ReliaTel™ control features are listed on page LPC-12
- Built-in anti-short cycle, time-delay relay and minimum on time controls
- 2" throwaway filters
- Liquid line drier
- Built-in fork lift holes

- Operating charge of R-410A
- Quick-Access on 12½ – 25
- Sloped sheet metal drain pan
- Dedicated horizontal and downflow units
- Single point power for electric heat
- Complete line of optional electric heaters
- Internally enhanced coil tubing
- Low ambient to 0°F standard
- Colored and numbered wiring

- Phase monitor
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly (12½ – 25 tons), downflow only
- UL listed and CSA certified
- **5-year limited compressor warranty (12½ – 25 tons)**

Table LPC-14-A — High Efficiency ReliaTel™ Units (R-410A)

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance EER	Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA ^②	Max Fuse Size or Max Circuit Breaker ^①	Downflow ^③ Roofcurb
12½	TH*150G3R0B0000	208-230/3/60	13.5	144,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2514	65	90	BAYCURB027B
15	TH*180G3R0B0000	208-230/3/60	14.0	174,000	64 1/8 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2482	68	90	BAYCURB027B
17½	TH*210G3R0B0000	208-230/3/60	13.0	204,000	64 1/8 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2443	86	110	BAYCURB027B
20	TH*240G3R0B0000	208-230/3/60	12.4	234,000	64 1/8 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2513	99	125	BAYCURB027B
25	TH*300G3R0B0000	208-230/3/60	12.4	274,000	64 1/8 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2514	121	150	BAYCURB027B
12½	TH*150G4R0B0000	460/3/60	13.5	144,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2514	30	40	BAYCURB027B
15	TH*180G4R0B0000	460/3/60	14.0	174,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2482	33	45	BAYCURB027B
17½	TH*210G4R0B0000	460/3/60	13.0	204,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2443	43	60	BAYCURB027B
20	TH*240G4R0B0000	460/3/60	12.4	234,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2513	46	60	BAYCURB027B
25	TH*300G4R0B0000	460/3/60	12.4	274,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2514	57	70	BAYCURB027B
12½	TH*150GWR0B0000	575/3/60	13.5	144,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2514	24	30	BAYCURB027B
15	TH*180GWR0B0000	575/3/60	14.0	174,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2482	26	35	BAYCURB027B
17½	TH*210GWR0B0000	575/3/60	13.0	204,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2443	33	45	BAYCURB027B
20	TH*240GWR0B0000	575/3/60	12.4	234,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2513	38	50	BAYCURB027B
25	TH*300GWR0B0000	575/3/60	12.4	274,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2514	44	50	BAYCURB027B

Table LPC-14-B — Standard Efficiency ReliaTel™ Units (R-410A)

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance EER	Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA ^②	Max Fuse Size or Max Circuit Breaker ^①	Downflow ^③ Roofcurb
12½	TS*150G3R0A0000	208-230/3/60	12.2	140,000	50 ¹ / ₈ x 71 ⁵ / ₈ x 107 ⁵ / ₁₆	1781	64	80	BAYCURB026B
15	TS*180G3R0A0000	208-230/3/60	12.2	176,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2281	75	100	BAYCURB027B
17½	TS*210G3R0A0000	208-230/3/60	12.2	193,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2292	93	125	BAYCURB027B
20	TS*240G3R0A0000	208-230/3/60	11.4	240,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2353	108	125	BAYCURB027B
25	TS*300G3R0A0000	208-230/3/60	11.4	272,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2337	124	150	BAYCURB027B
12½	TS*150G4R0A0000	460/3/60	12.2	140,000	50 ¹ / ₈ x 71 ⁵ / ₈ x 107 ⁵ / ₁₆	1781	31	40	BAYCURB026B
15	TS*180G4R0A0000	460/3/60	12.2	176,000	54 x 85 5/16 x 122 ⁵ / ₁₆	2281	28	50	BAYCURB027B
17½	TS*210G4R0A0000	460/3/60	12.2	193,000	54 x 85 5/16 x 122 ⁵ / ₁₆	2292	44	60	BAYCURB027B
20	TS*240G4R0A0000	460/3/60	11.4	240,000	54 x 85 5/16 x 122 ⁵ / ₁₆	2353	52	70	BAYCURB027B
25	TS*300G4R0A0000	460/3/60	11.4	272,000	54 x 85 5/16 x 122 ⁵ / ₁₆	2337	59	70	BAYCURB027B
12½	TS*150GWR0A0000	575/3/60	12.2	140,000	50 ¹ / ₈ x 71 ⁵ / ₈ x 107 ⁵ / ₁₆	1781	23	30	BAYCURB026B
15	TS*180GWR0A0000	575/3/60	12.2	176,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2281	31	40	BAYCURB027B
17½	TS*210GWR0A0000	575/3/60	12.2	193,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2292	35	50	BAYCURB027B
20	TS*240GWR0A0000	575/3/60	11.4	240,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2353	44	60	BAYCURB027B
25	TS*300GWR0A0000	575/3/60	11.4	272,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2337	48	60	BAYCURB027B

① HACR type circuit breaker per NEC.

② Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

③ Downflow only.

④ 278,000 in the horizontal airflow configuration.

* Digit 3 - H = Horizontal or D = Downflow.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Cooling with ReliaTel™ Controls 12½-25 Tons (Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1	Unit Type			Through The Base Electric/Gas ^①	C
	Packaged Cooling, Electric Heat.....	T		Through The Base Access ^①	D
	Packaged Gas/Electric.....	Y	19	Disconnect Switch/Circuit Breaker	
2	Efficiency			No Disconnect/circuit break.....	0
	Standard Efficiency.....	S		Unit Mounted Non-Fused Disconnect Switch.....	1
	High Efficiency.....	H		Unit Mounted Circuit Breaker.....	2
3	Airflow Configuration		20	Convenience Outlet Option	
	Downflow.....	D		Without Convenience Outlet.....	0
	Horizontal.....	H		Unpowered Convenience Outlet.....	A
4-6	Nominal Gross Cooling Capacity (MBh)			Powered Convenience Outlet.....	B
	12½ Tons.....	150	21	Communications Options	
	15 Tons.....	180		Without Communications Options.....	0
	17½ Tons.....	210		Novar 2024 Controls Interface ^④	3
	20 Tons.....	240		Novar 3051 Controls Interface ^④	4
	25 Tons.....	300		Novar 3051 Communications Interface with	
7	Major Design Sequence			Demand Control Ventilation ^④	5
	Microchannel Type Condenser Coils.....	F		Building Automation Control Network	
8	Voltage Selection			Communications Interface.....	6
	208-230/60/3.....	3	22	Refrigeration System Option	
	460/60/3.....	4		Standard refrigeration system.....	0
	575/60/3.....	W		Thermal Expansion Valve (TXV).....	A
	380/60/3.....	K		Dehumidification (Hot Gas Reheat).....	B
9	Unit Controls		23	Refrigeration Controls	
	ReliaTel™.....	R		Without Refrigeration Controls.....	0
10	Heating Capacity			Frostat.....	1
	No Heat ^②	0	24	Smoke Detector	
	18 kW Electric Heat ^②	G		Without Smoke Detector.....	0
	27 kW Electric Heat ^②	K		Return Air Smoke Detector.....	A
	36 kW Electric Heat ^②	N		Supply Air Smoke Detector.....	B
	54 kW Electric Heat ^②	P		Return/Supply Air Smoke Detector.....	C
	72 kW Electric Heat ^②	R		Plenum Smoke Detector.....	D
	Gas Heat - High ^①	H	25	System Monitoring Controls	
	Gas Heat - Low ^①	L		No Monitoring Controls.....	0
	Gas Heat - SS Ht Ex - Modulating ^①	V		Clogged Filter Switch.....	1
	Gas Heat - SS Ht Ex - Low ^①	X		Fan Failure Switch.....	2
	Gas Heat - SS Ht Ex - High ^①	Z		Discharge Air Sensing.....	3
11	Minor Design Sequence			Clogged Filter Switch and Fan Failure switch.....	4
12-13	Service Sequence			Clogged Filter Switch and Discharge Air Sensing.....	5
14	Fresh Air Selection			Fan Failure Switch and Discharge Air Sensing.....	6
	No Fresh Air.....	0		Clogged Filter Switch, Fan Failure Switch and	
	Econ Dry Bulb w/ Barometric Relief.....	D		Discharge Air Sensing.....	7
	Econ Reference Enthalpy w/Barometric Relief.....	F		NOVAR Return Air Sensor (Novar 2024) ^④	8
	Econ Comparative Enthalpy w/Barometric Relief.....	H		NOVAR Zone Temp Sensor(Novar 3051) ^④	9
	Low Leak Economizer, Dry Bulb			Condensate Drain Pan Overflow Switch.....	A
	with Barometric Relief.....	K		Clogged Filter Switch and Condensate Drain	
	Low Leak Economizer, Comparative Enthalpy			Pan Overflow Switch.....	B
	with Barometric Relief.....	M		Fan Failure Switch and Condensate Drain	
	Low Leak Economizer, Reference Enthalpy			Pan Overflow Switch.....	C
	with Barometric Relief.....	P		Discharge Air Sensing and Condensate	
15	Supply Fan/Drive Type/Motor			Drain Pan Overflow Switch.....	D
	Standard Motor.....	0		Clogged Filter Switch, Fan Failure Switch and	
	Oversized Motor.....	1		Condensate Drain Pan Overflow Switch.....	E
	High Efficiency Motor.....	3		Clogged Filter Switch, Discharge Air Sensing	
	Single Zone Variable Air Volume Standard Motor.....	6		Tube and Condensate Drain Pan Overflow Switch....	F
	Multi-Speed Standard Motor.....	7		Fan Failure Switch, Discharge Air Sensing Tube and	
	Single Zone Variable Air Volume Oversized Motor.....	8		Condensate Drain Pan Overflow Switch.....	G
	Multi-Speed Oversized Motor.....	9		Clogged Filter Switch, Fan Failure Switch, Discharge	
	Single Zone Variable Air Volume Standard			Air Sensing and Condensate Drain Pan Overflow	
	Motor w/Shaft Ground Ring.....	A		Switch.....	H
	Multi-Speed Standard Motor w/Shaft Ground Ring.....	B	26	System Monitoring Controls	
	Single Zone Variable Air Volume Oversized			No Monitoring Controls.....	0
	Motor w/Shaft Ground Ring.....	C		Demand Control Ventilation (CO ₂) ^⑤	A
	Multi-Speed Oversized Motor w/Shaft Ground Ring.....	D		Fault Detection and Diagnostics (FDD).....	B
16	Hinged Service Access / Filters			Fault Detection and Diagnostics (FDD)	
	Standard Panels/Standard Filters.....	0		with Demand Control Ventilation.....	C
	Hinged Access/Standard Filters.....	A	27	Unit Hardware Enhancements	
	Standard Panels/MERV 8 Filters.....	B		No Enhancements.....	0
	Hinged Access/MERV 8 Filters.....	C		Stainless Steel Drain Pan.....	1
	Standard Panels/MERV 13 Filters.....	D	28	Short Circuit Current Rating (SCCR)	
	Hinged Access/MERV 13 Filters.....	E		Standard SCCR.....	0
17	Condenser Coil Protection			65 kA SCCR.....	A
	Standard Coil.....	0	31	Advanced Unit Controls	
	Standard Coil With Hail Guard.....	1		Standard Unit Controls.....	0
	CompleteCoat™ Condenser Coil.....	4		Human Interface.....	1
	CompleteCoat™ Condenser Coil with Hail Guard.....	5			
18	Through The Base Provisions.				
	No Through The Base Provisions ^③	0			
	Through The Base Electric ^③	A			
	Through The Base Gas ^①	B			

① Applicable to Digit 1 Y models only.
 ② Applicable to Digit 1 T models only.
 ③ Applicable to Digit 1, T or Y models.

④ Novar is not available with SZ VAV products.
 ⑤ Demand Control Ventilation Option includes wiring only. The CO₂ sensor is a field-installed only option.

For additional Controls Information:
 See ReliaTel™ and Micro Control features on PC-12 and PC-13.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Packaged Cooling with ReliaTel™ Controls 12½-25 Tons, R-410A Zone Sensors / Thermostats

Table LPC-16-B — Zone Sensors for ReliaTel™

Model Number	Description	Used With
ASYSTAT106A	Single Setpoint Manual Changeover	YC*150-301
ASYSTAT108A	Dual Setpoint Manual or Automatic Changeover	YC*150-301
ASYSTAT111A	Remote Room Sensor	ASYSTAT777A
ASYSTAT777A	Programmable Night Setback	YC*150-301
ASYSTAT710A	Wall Mounted Humidity Sensor	YFD151,181,241 (with Reheat)
ASYSTAT711A	Duct Mounted Humidity Sensor	YFD151,181,241 (with Reheat)
BAYSENS924A①	Title 24 Zone Sensor	All
BAYMTPL110A	Retrofit Wall Cover Plate Kit 7.25" x 6.0"	ASYSTAT777A

① Must be used with ReliaTel™ Control and BCI Communications Interface

Packaged Cooling with ReliaTel™ Controls 12½-25 Tons Accessories

Table LPC-17-A — Field Installed Accessories

For complete list of of All Factory Installed Options refer to FIOPS section of this book.

Model Number	Description	Used With
BAYBCIR001A	BACnet™ Communication Interface	All Voyagers
BAYABRD002B ^②	ReliaTel™ Options Module	All Voyagers
BAYCO2K002B ^③	CO ₂ Sensor Wall Mounted	All Voyagers w/Economizers
BAYCO2K004B ^③	CO ₂ Sensor Duct Mounted	All Voyagers w/Economizers
BAYCURB026B ^{⑤⑥}	Downflow Roof Curb (Can not be adapted for horizontal use)	TSD150F
BAYCURB027B ^{⑤⑥}	Downflow Roof Curb (Can not be adapted for horizontal use)	THD150F-300F, TSD180-300F
BAYDFPS005A ^{⑦⑧}	Clogged Filter Switch (MERV 7)	All Voyagers
BAYDFPS006A ^{⑦⑧}	Fan Failure Switch	All Voyagers
BAYDFPS013A	Clogged Filter Switch (MERV 13)	All Voyagers
BAYDMPR029C	0-25% Manual Outside Air Damper	All Voyagers
BAYDMPR057A	0-50% Motorized Outside Air Damper	TSD150F
BAYDMPR058A	0-50% Motorized Outside Air Damper	TSD151F-300F, TSD180F-300F
BAYECON089A ^⑨	Downflow Economizer with Barometric Relief	TSD150F
BAYECON090A ^⑨	Downflow Economizer with Barometric Relief	TSD151F-300F, TSD180F-300F
BAYECON091A	Horizontal Economizer	TSH150F
BAYECON092A	Horizontal Economizer	TSH151F-300F, TSF180F-300F
BAYECON700A	Downflow Low Leak Economizer	TSD150F
BAYECON701A	Downflow Low Leak Economizer	TSD180F-300F, THD150F, THD180-300F
BAYENTH007A ^{①②}	Reference Enthalpy Kit	All BAYECON089-92A
BAYENTH008A ^{①③}	Comparative Enthalpy Kit	All BAYECON089-92A
BAYFRST003A	High Temperature Stat	All Voyagers
BAYGARD144A ^④	Tool-less Hail Guard	TS*150F
BAYGARD145A ^④	Tool-less Hail Guard	TH*150F, TS*210F, TS*240F, TS*300F
BAYGARD150A	Tool-less Hail Guard	TH*180F, TH*210F, TH*240F, TH*300F
BAYHSDR005B ^④	High Static Drive	TS*150F, TH*150F, TH*180F
BAYHSDR010A ^④	High Static Drive	TH*210F, TH*240F, TS*300F
BAYHSDR011A ^④	High Static Drive	TS*210F, TS*240F, TH*300F
BAYHSDR016A	High Static Drive	TS*180F

① Kit contains all necessary parts to achieve desired level of Enthalpy Control.

② Reference Enthalpy senses outside temperature/humidity and inside return/mixed air temperature/humidity.

③ Comparative Enthalpy senses outside temperature/humidity and inside return/mixed air temperature/humidity.

④ High static drive and oversized motors are mutually exclusive, Do Not Combine.

⑤ Clarksville manufacturing has a no return policy for this roof curb.

⑥ For downflow use only. Can not be adapted for horizontal units.

⑦ BAYABRD002B is required when ordering field installed BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A or BAYVNOR002B.

⑧ Field or factory installed option.

⑨ Field installed accessory. Requires an economizer.

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Packaged Cooling with ReliaTel™ Controls 12½-25 Tons Accessories

Table LPC-18-A — Field Installed Accessories

For complete list of of All Factory Installed Options refer to FIOPS section of this book.

Model Number	Description	Used With
BAYHSMT039B①⑥	5HP Oversized Motor Kit (208-230/460V)	TS*150F
BAYHSMT040B①⑥	5HP Oversized Motor Kit (575V)	TS*150F
BAYHSMT055B①⑥	5HP Oversized Motor Kit (208-230/460V)	TS*180F
BAYHSMT042A①⑥	7-1/2HP Oversized Motor Kit (575V)	TS*210F, TH*210F, TS*240F, TH*240F
BAYHSMT072A①⑥	7-1/2HP Oversized Motor Kit (575V)	TS*180F, TH*180F
BAYHSMT098A①⑥	7-1/2HP Oversized Motor Kit (208-230V)	TH*210F, TH*240F
BAYHSMT099A①⑥	7-1/2HP Oversized Motor Kit (460V)	TH*210F, TH*240F
BAYLOAM023A⑥	Evaporator Defrost Control Froststat	TS*150F, TH*150F, TS*180F TS*210F, TS*240F, TS*300F
BAYLOAM031A	Evaporator Defrost Control Froststat	TH*180F, TH*210F, TH*240F, TH*300F
BAYLSDR004A②	Low Static Drive	TS*150F, TS*180F, TS*210F TH*210F, TH*240F, TS*240F
BAYLSDR002A②	Low Static Drive	TH*150F, TH*180F, TH*300F
BAYPWRX029A	Power Exhaust for all Voyagers 12½-25 Ton 230V units	BAYECON089-090A, TCD150-301
BAYPWRX030A	Power Exhaust for all Voyagers 12½-25 Ton 460V units	BAYECON089-090A, TCD150-301
BAYPWRX031A	Power Exhaust for all Voyagers 12½-25 Ton 575V units	BAYECON089-090A, TCD150-301
BAYSERV001A	Selective Resistance Service Tester	All TC*150F-TC*301F
BAYSTAT023③	Remote Potentiometer	All Economizers and 0-50% Motorized Air Dampers
BAYTUBE008A④⑤⑥	Discharge Air Sensing Kit	All TCD150F-TCD301F
BAYTUBE009A④⑤⑥	Discharge Air Sensing Kit	All TCH150F-TCH301F
BAYQACB044A	Adapter Curb	BAYCURB026A/B to BAYCURB027A/B
BAYVNOR002B⑤	Ventilation Override Kit	TC*150-301 w/ReliaTel™ Options Module

① High static drive and oversized motors are mutually exclusive, Do Not Combine.

② Low static drive and oversized motors are mutually exclusive, Do Not Combine.

③ Cannot be used with Integrated Comfort™ Systems.

④ Used for true discharge air sensing in both heating and cooling models.

⑤ BAYABRD002B is required when ordering field installed BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM031A or BAYVNOR002B.

⑥ Field or factory installed option.

Packaged Cooling with ReliaTel™ Controls 12½-25 Tons Heaters

Table LPC-19-A — Downflow Supplementary Heaters:

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
AYDHTRK318A	208-230/3/60	13.5/18.0	46,100/61,400	1	TSD150F-180F, THD150F-180F
AYDHTRK336A	208-230/3/60	27.0/36.0	92,200/122,900	2	TSD150F-180F, THD150F-180F
AYDHTRK354A	208-230/3/60	40.5/54.0	138,200/184,300	2	TSD150F-180F, THD150F-180F
AYDHTRL418A	460/3/60	18.0	61,400	1	TSD150F-180F, THD150F-180F
AYDHTRK427A	460/3/60	27.0	92,150	2	THD180F
AYDHTRK436A	460/3/60	36.0	122,900	2	TSD150F-180F, THD150F-180F
AYDHTRK454A	460/3/60	54.0	184,300	2	TSD150F-180F, THD150F-180F
AYDHTRL336A	208-230/3/60	27.0/36.0	92,200/122,900	2	TSD210F-300F, THD210-300F
AYDHTRL354A	208-230/3/60	40.5/54.0	138,200/184,300	2	TSD210F-300F, THD210-300F
AYDHTRK372A	208-230/3/60	54.0/72.0	184,300/245,700	2	TSD210F-300F, THD210-300F
AYDHTRL427A	460/3/60	27.0	92,150	2	THD210F, THD240-300F
AYDHTRL436A	460/3/60	36.0	122,900	2	TSD210F-300F, THD210-300F
AYDHTRL454A	460/3/60	54.0	184,300	2	TSD210F-300F, THD210-300F
AYDHTRK472A	460/3/60	72.0	245,700	2	TSD210F-300F, THD210-300F

Table LPC-19-B — Horizontal Supplementary Heaters:

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
AYHHTRN318A	208-230/3/60	13.5/18.0	46,000/61,400	1	TSH150F, TSH180F
AYHHTRP336A	208-230/3/60	27.0/36.0	92,200/122,900	2	TSH150F, TSH180F
AYHHTRP354A	208-230/3/60	40.5/54.0	138,200/184,300	2	TSH150F, TSH180F
AYHHTRN418A	460/3/60	18.0	61,400	1	TSH150F, TSH180F
AYHHTRP436A	460/3/60	36.0	122,900	2	TSH150F, TSH180F
AYHHTRP454A	460/3/60	54.0	184,300	2	TSH150F, TSH180F
AYHHTRN336A	208-230/3/60	27.0/36.0	92,200/122,900	2	TSH210-300F, THH210-300F
AYHHTRN354A	208-230/3/60	40.5/54.0	138,200/184,300	2	TSH210-300F, THH210-300F
AYHHTRN372A	208-230/3/60	54.0/72.0	184,300/245,700	2	TSH210-300F, THH210-300F
AYHHTRN436A	460/3/60	36.0	122,900	2	TSH210-300F, THH210-300F
AYHHTRN454A	460/3/60	54.0	184,300	2	TSH210-300F, THH210-300F
AYHHTRN472A	460/3/60	72.0	245,700	2	TSH210-300F, THH210-300F
AYHHTRM318A	208-230/3/60	13.5/18.0	46,100/61,400	1	THH150F, THH180F
AYHHTRM336A	208-230/3/60	27.0/36.0	92,200/122,900	2	THH150F, THH180F
AYHHTRM354A	208-230/3/60	40.5/54.0	138,200/184,300	2	THH150F, THH180F
AYHHTRM418A	460/3/60	18.0	61,400	1	THH150F, THH180F
AYHHTRM436A	460/3/60	36.0	122,900	2	THH150F, THH180F
AYHHTRM454A	460/3/60	54.0	184,300	2	THH150F, THH180F

Note: Unit with heater is single circuit/single point.

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Packaged Cooling with ReliaTel™ Controls 12½-25 Tons Heaters

Table LPC-20-A — Downflow Supplementary Heaters:

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
AYDHTRLW54A	575/3/60	54.0	184,300	2	TSD210-300F, THD210-300F
AYDHTRKW18A	575/3/60	18.0	61,400	1	TSD150-180F, THD150-180F
AYDHTRKW54A	575/3/60	54.0	184,300	2	TSD150-180F, THD150-180F
AYDHTRKW72A	575/3/60	72.0	245,700	2	TSD210-300F, THD210-300F
AYDHTRMW36A	575/3/60	36.0	122,900	2	TSD150-300F, THD150-300F

Table LPC-20-B — Horizontal Supplementary Heaters:

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
AYHHTRMW18A	575/3/60	18.0	61,400	1	THH150F, THH180F
AYHHTRMW36A	575/3/60	36.0	122,900	2	TSH210F-300F, TSH150F-300F
AYHHTRMW54A	575/3/60	54.0	184,300	2	THH150F, THH180F
AYHHTRNW18A	575/3/60	18.0	61,400	1	TSH150F, TSH180F
AYHHTRNW54A	575/3/60	54.0	184,300	2	TSH210F-300F, THH210F-300F
AYHHTRNW72A	575/3/60	72.0	245,700	2	TSH210F-300F, THH210F-300F
AYHHTRPW36A	575/3/60	36.0	122,900	2	TSH150F, TSH180F
AYHHTRPW54A	575/3/60	54.0	184,300	2	TSH150F, TSH180F

Note: Unit with heater is single circuit/single point.

**For additional Controls Information:
See ReliaTel™ and Micro Control features on LPC-12 and LPC-13.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.



Foundation™ Packaged Cooling 3-5 Tons, R-410A

- Scroll compressors on all units
- Operating Charge of R-410A
- Low ambient operation of 40 F as standard
- Color coded and numbered wiring
- Single side service access
- Provisions for through the base connections
- Phase monitor on all units
- Convertible airflow on all units
- Non-corrosive drain pan
- Separate high and low voltage areas in control box
- **5-year limited compressor and heat exchanger warranty**

Table LPC-21-A — Foundation™ - R-410A - Electromechanical Controls

Tons	Unit Model No	Power Supply Volts/Phase/Hz	Performance SEER	Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA**	Max Fuse Size or Max Circuit Breaker**	Downflow Roofcurb ^①
GBC - Three Phase No Heat									
3	EBC036A3E0A0000	208-230/3/60	14.0	36,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	523	19.5	25	BAYCURB320A
4	EBC048A3E0A0000	208-230/3/60	14.0	48,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	566	23.6	35	BAYCURB320A
5	EBC060A3E0A0000	208-230/3/60	14.0	57,500	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	586	26.4	40	BAYCURB320A
3	EBC036A4E0A0000	460/3/60	14.0	36,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	523	10.5	15	BAYCURB320A
4	EBC048A4E0A0000	460/3/60	14.0	48,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	566	11	15	BAYCURB320A
5	EBC060A4E0A0000	460/3/60	14.0	57,500	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	586	12.9	20	BAYCURB320A
3	EBC036AWE0A0000	575/3/60	14.0	36,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	523	6.8	15	BAYCURB320A
4	EBC048AWE0A0000	575/3/60	14.0	48,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	566	8.1	15	BAYCURB320A
5	EBC060AWE0A0000	575/3/60	14.0	57,500	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	586	9.2	15	BAYCURB320A

^① For Downflow units only.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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Foundation™ Packaged Cooling 3-5 Ton Accessories

Table LPC-22-A — Foundation™ — Field Installed Accessories

Model Number	Description	Used With
BAYCURB320A	Roof curb	All
BAYGARD320A	Tool-less Hail Guard	All
BAYTBUE320A	Through the base - Elec.	All
BAYDSCF320A	Unit Mounted Disconnect- cooling only, 100 Amp	GBC, EBC No Elec Heat
BAYDSCF321A	Unit Mounted Disconnect - electric heat, 100 Amp	EBC w/Elec Heat
BAYCO2K300A	Wall Mounted CO2 Sensor	All
BAYCO2K301A	Duct Mounted CO2 Sensor	All
BAYCOSW320A	Condensate Overflow	All
BAYCCHT010B	CCH – 208-230V (40 W) 6.5"	E/GBC(048 & 060)A3
BAYCCHT011B	CCH - 460V/572V (40W) 6.5"	E/GBC(048 & 060A)(4 & W)
BAYCCHT103A	CCH – 208-230V (40 W) 5.5"	E/GBC036A3
BAYCCHT405A	CCH - 460V/572V (40W) 5.5"	E/GBC036A(4 & W)
BAYLOAM330A	Frostat	All
BAYLOAM340A	Low Ambient Kit	All
BAYASCT001	Compressor Short Cycle Timer	All
BAYHSMT320A	2 HP Oversize motor Kit (208-230/460V)	All
BAYHSMT321A	2 HP Oversize motor Kit (380V)	All
BAYHSMT322A	2 HP Oversize motor Kit (575V)	All
BAYDMPR321A	Damper, Manual 3-5T	All
BAYDMPR320A	Damper, Motorized 3-5T	All
BAYBARO320A	Barometric Relief Damper, 3-5T	All
BAYECON320A	Economizer, Dry Bulb, Downflow 3-5T	All
BAYENTH320A	Reference Enthalpy Economizer, 3-5T	All
BAYENTH321A	Comparative Enthalpy Economizer, 3-5T	All
BAYECON353A②	Low Leak Economizer, Dry Bulb, Downflow W/FDD, 3-5T	All
BAYECON354A②	Low Leak Economizer, Dry Bulb, Horizontal W/FDD, 3-5T	All
BAYENTH323A②	Comparative Enthalpy, LLE W/FDD, 3-5T	All
BAYENTH322A②	Reference Enthalpy, LLE W/FDD, 3-5T	All
BAYBARO321A②	Barometric Relief Damper, LLE W/FDD, 3-5T	All
BAYPWRX320A①	Power Exhaust, 3-5T DF, 230V	All
BAYPWRX321A①	Power Exhaust, 3-5T DF, 460V	All
BAYPWRX322A①	Power Exhaust, 3-5T DF, 575V	All

① Please check availability.

② FDD = Fault Detection & Diagnostics.

Foundation™ Packaged Cooling 3-5 Ton Heaters

Table LPC-23-A — Foundation™ - R-410A - Field Installed Accessories

Model No	Power Supply	kW Rating	Nominal BTUH)	No. Stages	Used With
BAYHTFA305A	208-230/3/60	3.5 / 4.7	12,800 / 17,100	1	EBC*A3*
BAYHTFA307A	208-230/3/60	5.6 / 7.5	19,200 / 25,600	1	EBC*A3*
BAYHTFA310A	208-230/3/60	7.5 / 10	25,700 / 34,200	1	EBC*A3*
BAYHTFA315A	208-230/3/60	10.8 / 14.4	38,400 / 51,200	1	EBC*A3*
BAYHTFA320A	208-230/3/60	15 / 20	51,300 / 68,300	2	EBC048A3*, EBC060A3*
BAYHTFA325A	208-230/3/60	18.8 / 25	64,100 / 85,400	2	EBC060A3*
BAYHTFA405A	460/3/60	5	17,100	1	EBC*A4*
BAYHTFA407A	460/3/60	7.5	25,600	1	EBC*A4*
BAYHTFA410A	460/3/60	10	34,200	1	EBC*A4*
BAYHTFA415A	460/3/60	15	51,200	1	EBC*A4*
BAYHTFA420A	460/3/60	20	68,300	2	EBC048A4*, EBC060A4*
BAYHTFA425A	460/3/60	25	85,400	2	EBC060A4*
BAYHTFAW10A	575/3/60	10	34,200	1	EBC*AW*
BAYHTFAW15A	575/3/60	15	51,200	1	EBC*AW*
BAYHTFAW20A	575/3/60	20	68,300	2	EBC048AW*, EBC060AW*
BAYHTFAW25A	575/3/60	25	85,400	2	EBC060AW*

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Foundation™ Packaged Cooling 15-25 Tons, R-410A

- Scroll compressors on all units
- Operating charge of R-410A
- Low ambient operation to 40°F as standard
- Color coded and numbered wiring
- Single side service access
- Molded handles on service access doors
- Separated high and low voltage compartments
- Liquid Line Refrigerant Drier
- Provisions for through the base connections
- Phase monitor on all units
- Convertible airflow
- Two inch throwaway filters as standard
- Non-corrosive & removable drain pan
- **5-year limited compressor warranty (15-25 tons)**

Table PC-24-A — Foundation™ — R-410A — Electromechanical Controls

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance IEER	Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA	Max Fuse Size or Max Circuit Breaker ^①	Downflow Roofcurb
15	EBC180A3E0A0000	208-230/3/60	11.5	183,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,020	79	100	BAYCURB027B
17 ¹ / ₂	EBC210A3E0A0000	208-230/3/60	11.5	212,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,074	91	110	BAYCURB027B
20	EBC240A3E0A0000	208-230/3/60	10.8	252,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,163	117	150	BAYCURB027B
25	EBC300A3E0A0000	208-230/3/60	10.2	290,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,208	124	150	BAYCURB027B
15	EBC180A4E0A0000	460/3/60	11.5	183,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,020	37	45	BAYCURB027B
17 ¹ / ₂	EBC210A4E0A0000	460/3/60	11.5	212,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,074	42	50	BAYCURB027B
20	EBC240A4E0A0000	460/3/60	10.8	252,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,163	53	70	BAYCURB027B
25	EBC300A4E0A0000	460/3/60	10.2	290,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,208	56	70	BAYCURB027B
15	EBC180AWE0A0000	575/3/60	11.5	183,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,020	31	40	BAYCURB027B
17 ¹ / ₂	EBC210AWE0A0000	575/3/60	11.5	212,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,074	34	40	BAYCURB027B
20	EBC240AWE0A0000	575/3/60	10.8	252,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,163	42	50	BAYCURB027B
25	EBC300AWE0A0000	575/3/60	10.2	290,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,208	47	60	BAYCURB027B

Table PC-24-B — Foundation™ — R-410A — Electromechanical Controls - 2-Speed Fan

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance IEER	Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA	Max Fuse Size or Max Circuit Breaker ^①	Downflow Roofcurb
EBC* - Three Phase No Heat									
15	EBC180A3E0A1DQY	208-230/3/60	12.8	183,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,020	79	100	BAYCURB027B
17 ¹ / ₂	EBC210A3E0A1DQY	208-230/3/60	12.8	212,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,074	91	110	BAYCURB027B
20	EBC240A3E0A1DQY	208-230/3/60	11.9	252,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,163	117	150	BAYCURB027B
25	EBC300A3E0A1DQY	208-230/3/60	11.7	290,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,208	124	150	BAYCURB027B
15	EBC180A4E0A1DQY	460/3/60	12.8	183,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,020	37	45	BAYCURB027B
17 ¹ / ₂	EBC210A4E0A1DQY	460/3/60	12.8	212,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,074	42	50	BAYCURB027B
20	EBC240A4E0A1DQY	460/3/60	11.9	252,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,163	53	70	BAYCURB027B
25	EBC300A4E0A1DQY	460/3/60	11.7	290,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,208	56	70	BAYCURB027B
15	EBC180AWE0A1DQY	575/3/60	12.8	183,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,020	31	40	BAYCURB027B
17 ¹ / ₂	EBC210AWE0A1DQY	575/3/60	12.8	212,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,074	34	40	BAYCURB027B
20	EBC240AWE0A1DQY	575/3/60	11.9	252,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,163	42	50	BAYCURB027B
25	EBC300AWE0A1DQY	575/3/60	11.7	290,000	58 ⁵ / ₈ x 86 ¹⁵ / ₁₆ x 123 ¹ / ₈	2,208	47	60	BAYCURB027B

^① HACR Circuit Breaker Type Per NEC.

Information subject to change. Please confirm with current Product Data for current factory production.

Foundation™ Packaged Cooling 15-25 Tons Accessories

Table LPC-25-A — Foundation™ - R-410A - Field Installed Accessories

Model Number	Description	Used With
BAYTBUE300A.....	Through the Base Electrical Connections	All Foundation 15-25 Ton Units
BAYDSCF300A.....	Unit Mounted Disconnect, 100 Amp	EAC180A4* - EAC300A4*, EAC180AW* - EAC300AW*
	Not for use when electric heat installed	
BAYDSCF301A.....	Unit Mounted Disconnect, 150 Amp	EAC180A3* - EAC300A3*
	Not for use when electric heat installed	
BAYDSCF302A.....	Unit Mounted Disconnect, 100 Amp	BAYHTFA318A, BAYHTFA418A, BAYHTFAW18A, BAYHTFA436A, BAYHTFA454A, BAYHTFBW36A, BAYHTFAW54A, BAYHTFBW54A, BAYHTFBW72A, BAYHTFAW72A
BAYDSCF303A.....	Unit Mounted Disconnect, 150 Amp	BAYHTFA472A, BAYHTF4372A, BAYHTFA336A, BAYHTFB336A, BAYHTFB454A
BAYDSCF304A.....	Unit Mounted Disconnect, 250 Amp	BAYHTFA372A, BAYHTFB372A, BAYHTFA354A, BAYHTFAW36A
BAYDMPR301A.....	Damper, Manual	EAC180A* - EAC300A*
BAYDMPR300A.....	Damper, Motorized	EAC180A* - EAC300A*
BAYECON300A.....	Economizer, Dry Bulb, Downflow	EAC180A* - EAC300A*
BAYECON301A.....	Economizer, Dry Bulb, Horizontal	EAC180A* - EAC300A*
BAYECON350A③.....	Low Leak Economizer w/FDD, Dry Bulb, Downflow	EAC180A* - EAC300A*
BAYECON351A.....	Low Leak Economizer w/FDD, Dry Bulb, Horizontal	EAC180A* - EAC300A*
BAYHZCN300A.....	Horizontal Economizer Conversion Kit	EAC180A* - EAC300A*
BAYBARO300A.....	Barometric Relief Damper, 15-25T	EAC180A* - EAC300A*
BAYENTH300A.....	Reference Enthalpy Economizer Kit	EAC180A* - EAC300A*
BAYENTH301A.....	Comparative Enthalpy Economizer Kit	EAC180A* - EAC300A*
BAYENTH302A③.....	Reference Enthalpy Economizer Kit	EAC180A* - EAC300A* w/Low Leak Economizer & FDD
BAYENTH303A③.....	Comparative Enthalpy Economizer Kit	EAC180A* - EAC300A* w/Low Leak Economizer & FDD
BAYCURB027B.....	Roof Curb	EAC180A* - EAC300A*
BAYHZRT001A.....	Horizontal Duct Conversion Kit	EAC180A* - EAC300A*
BAYCARR001A.....	Carrier Replacement Conversion Kit	EAC180A* - EAC300A*
BAYGARD300A.....	Condenser Hail Guard	EAC180A* - EAC300A*
BAYCCHT300A.....	Crankcase Heater, 70W, 230V	EAC180A3* - EAC300A3*
BAYCCHT301A.....	Crankcase Heater, 70W, 460V	EAC180A4* - EAC300A4*
BAYCCHT302A.....	Crankcase Heater, 70W, 575V	EAC180AW* - EAC300AW*
BAYASCT001.....	Compressor Short Cycle Timer	EAC180A* - EAC300A*
BAYLOAM300A.....	Low Ambient Control	EAC180A* - EAC300A*
BAYLOAM310A.....	Evaporator Defrost Control	EAC180A* - EAC300A*
BAYPWRX300A①.....	Power Exhaust, 15-25T, DF, 230V	EAC180A3* - EAC300A3*
BAYPWRX301A①.....	Power Exhaust, 15-25T, DF, 460V	EAC180A4* - EAC300A4*
BAYPWRX302A①.....	Power Exhaust, 15-25T, DF, 575V	EAC180AW* - EAC300AW*
BAYHSMT300A.....	High Static Motor & Drv, 5HP 230/460V	EAC180A3, EAC180A4
BAYHSMT301A.....	High Static Motor & Drv, 5HP 575V	EAC180AW
BAYHSMT302A.....	High Static Motor & Drv, 7.5HP 230/460V	EAC210A3, EAC240A3
BAYHSMT303A.....	High Static Motor & Drv, 7.5HP 460V	EAC210A4, EAC240A4
BAYHSMT304A.....	High Static Motor & Drv, 7.5HP 575V	EAC210AW, EAC240AW
BAYSHGR003A②.....	Shaft Grounding Ring, 0.875" Shaft	Used With 5HP VFD Motors
BAYSHGR002A②.....	Shaft Grounding Ring, 1.125" Shaft	Used With 7.5HP VFD Motors
BAYLSDR300A.....	Low Static Drive Option	EAC180A* - EAC300A*
BAYHSDR300A.....	High Static Drive Option	EAC180A* - EAC300A*
BAYCO2K300A.....	Wall Mounted CO2 Sensor	EAC180A* - EAC300A* with economizer
BAYCO2K301A.....	Duct Mounted CO2 Sensor	EAC180A* - EAC300A* with economizer
BAYPALT001A.....	Reuseable Pallet for Condenser End Unit Lifting	All Foundation 15-25 Ton Units
BAYCOSW300A.....	Drain Pan Overflow Switch	EAC180A* - EAC300A*
BAYSTAT300A.....	BACNet Enabled Thermostat	EAC180A* - EAC300A*

① Please check availability.

② See HVAC Knowledge Center for a list of compatible Carrier units.

③ FDD = Fault Detection & Diagnostics.

Information subject to change. Please confirm with current Product Data for current factory production.

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Foundation™ Packaged Cooling 15-25 Tons Heaters

Table LPC-26-A — Foundation™ - R-410A - Field Installed Accessories

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTFA318A	208-230/3/60	13.5/18	46,100/64,400	1	EAC180A3*
BAYHTFA336A	208-230/3/60	27/36	92,200/122,900	2	EAC180A3*, EAC210A3*
BAYHTFB336A	208-230/3/60	27/36	92,200/122,900	2	EAC240A3*, EAC300A3*
BAYHTFA354A	208-230/3/60	40.5/54	138,200/184,300	2	EAC180A3*, EAC210A3*
BAYHTFB354A	208-230/3/60	40.5/54	138,200/184,300	2	EAC240A3*, EAC300A3*
BAYHTFA372A	208-230/3/60	54/72	184,300/245,700	2	EAC210A3*
BAYHTFB372A	208-230/3/60	54/72	184,300/245,700	2	EAC240A3*, EAC300A3*
BAYHTFA418A	460/3/60	18	64,000	1	EAC180A4*
BAYHTFA436A	460/3/60	36	122,900	2	EAC180A4*, EAC210A4*
BAYHTFB436A	460/3/60	36	122,900	2	EAC240A4*, EAC400A4*
BAYHTFA454A	460/3/60	54	184,300	2	EAC180A4*, EAC210A4*
BAYHTFB454A	460/3/60	54	184,300	2	EAC240A4*, EAC400A4*
BAYHTFA472A	460/3/60	72	245,700	2	EAC210A4*
BAYHTFB472A	460/3/60	72	245,700	2	EAC240A4*, EAC400A4*
BAYHTFAW18A	575/3/60	18	64,000	1	EAC180AW*
BAYHTFAW36A	575/3/60	36	122,900	2	EAC180AW*, EAC210AW*
BAYHTFBW36A	575/3/60	36	122,900	2	EAC240AW*, EACW00AW*
BAYHTFAW54A	575/3/60	54	184,300	2	EAC180AW*, EAC210AW*
BAYHTFBW54A	575/3/60	54	184,300	2	EAC240AW*, EACW00AW*
BAYHTFAW72A	575/3/60	72	245,700	2	EAC210AW*
BAYHTFBW72A	575/3/60	72	245,700	2	EAC240AW*, EACW00AW*

Information subject to change. Please confirm with current Product Data for current factory production.

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HEATING & AIR CONDITIONING



Beveled Top
Smoother Design
Small compact cabinet
Recessed access handles

Packaged Heat Pump Convertible 3-10 Tons

Standard Features:

- American Standard Heating & Air Conditioning scroll compressors on all 3-10 ton units
- ReliaTel™ Controls (See page LPC-12 for ReliaTel™ Control Information)
- Thermal Expansion Valve
- Colored and numbered wiring
- Phase Monitor, R-410A, 3 Phase Units
- Provisions for through the Base Condensate Drain Connections
- Patented Hybrid Condenser Coil for easy cleaning
- 2" throwaway filters provided on 3-10 ton units
- Liquid Line Refrigerant Drier
- Operating Charge of R-410A
- IAQ Sloped Drain Pans
- Single point power for electric Heat
- Low Ambient cooling to 0°F
- Anti-Short Cycle Timer (Standard with ReliaTel™)
- 5 - year Limited Compressor Warranty
- 1 - year Limited Parts Warranty

Added Flexibility

- **New 3-5 Ton Dual Fuel Models**
- Convertible airflow
- Fork lift openings on three sides of unit
- Direct or belt drive - standard or oversized motors (Direct for 3-5 ton only)
- We don't prepackage options
- Choose options tailored to suit each job —pay only for what is needed
- Units ship with options installed —and within our standard ship cycle time

Factory Installed Options

- Through-the-Base — Electrical
- Convenience Outlet — Powered or unpowered
- Unit Disconnect Switch
- Circuit Breaker
- Smoke Detectors — Supply, return, or both
- Condenser Coil Coating
- Hinged Access Service Panels
- Discharge Air Sensor
- Fan Fail and Clogged Filter Switches
- Condenser Coil Guard — Hail Protection Quality
- Comm 3/4 Communication Interface
- BACnet™ Communications Interface
- Froststat
- 2" MERV 8 filters or 2" MERV 13 filters
- Black Epoxy Pre-Coated Coils
- Crankcase Heaters
- Multi-Speed & Single Zone VAV ID Airflow
- Demand Control Ventilation
- Stainless Steel Drainpan
- Condensate Drainpan Overflow Switch

Light Commercial
Packaged Heat Pumps

The same American Standard Heating & Air Conditioning Quality and Reliability ... with added Flexibility!

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Heat Pump Convertible 3-5 Tons

Table LPH-2-A — High Efficiency Unit — ReliaTel™ Microprocessor Controls

Tons	Unit Ordering No.	Performance ^② SEER/HSPF	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x D x W	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA*	Max ^① Fuse*
WHC - 208-230/3/60 - Three Phase - No Electric Heat									
3	WHC036H3R0A0000	15.8 / 8.3	40,500	41 x 44 x 69	16 x 15.5	24 x 14	619	27.0	40
4	WHC048H3R0A0000	16.5 / 8.8	48,750	41 x 53 x 88	33 x 17.5	32 x 17.5	768	29.0	40
5	WHC060H3R0A0000	16.4 / 9.0	61,000	41 x 53 x 88	33 x 17.5	32 x 17.5	773	32.0	45
WHC - 460/3/60 - Three Phase - No Electric Heat									
3	WHC036H3R0A0000	15.7 / 8.3	40,500	41 x 44 x 69	16 x 15.5	24 x 14	619	13.0	15
4	WHC048H3R0A0000	16.5 / 8.8	48,750	41 x 53 x 88	33 x 17.5	32 x 17.5	768	14.0	15
5	WHC060H3R0A0000	16.2 / 9.0	61,000	41 x 53 x 88	33 x 17.5	32 x 17.5	773	15.0	20
WHC - 575/3/60 - Three Phase - No Electric Heat									
3	WHC036HWR0A0000	15.7 / 8.3	40,500	41 x 44 x 69	16 x 15.5	24 x 14	619	11.0	15
4	WHC048HWR0A0000	16.5 / 8.8	48,750	41 x 53 x 88	33 x 17.5	32 x 17.5	768	10.0	15
5	WHC060HWR0A0000	16.2 / 9.0	61,000	41 x 53 x 88	33 x 17.5	32 x 17.5	773	12.0	15

Table LPH-2-B — High Efficiency Dual Fuel Unit — ReliaTel™ Microprocessor Controls

Tons	Unit Ordering No.	Performance ^② SEER/HSPF	Cooling Capacity (Btuh)	Gas Heating Output Capacity (Btuh) (2nd / 1st stage)	S.S. Furnace Eff%	Cabinet Dimensions (in.) H x D x W	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA*	Max ^① Fuse*
DHC - 208-230/3/60 - Three Phase - Low Heat											
3	DHC036H3RLA0000	15.7 / 8.3	40,500	48,600 / 34,200	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	27.0	40
4	DHC048H3RLA0000	16.5 / 8.8	48,750	48,600 / 34,200	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	29.0	40
5	DHC060H3RLA0000	16.2 / 8.9	61,000	48,600 / 34,200	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	32.0	45
DHC - 460/3/60 - Three Phase - Low Heat											
3	DHC036H3RLA0000	15.6 / 8.3	40,500	48,600 / 34,200	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	13.0	15
4	DHC048H3RLA0000	16.5 / 8.8	48,750	48,600 / 34,200	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	14.0	15
5	DHC060H3RLA0000	16.0 / 8.9	61,000	48,600 / 34,200	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	15.0	20
WHC - 575/3/60 - Three Phase - Low Heat											
3	DHC036HWR0A0000	15.6 / 8.3	40,500	48,600 / 34,200	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	11.0	15
4	DHC048HWR0A0000	16.5 / 8.8	48,750	48,600 / 34,200	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	10.0	15
5	DHC060HWR0A0000	16.0 / 8.9	61,000	48,600 / 34,200	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	12.0	15
DHC - 208-230/3/60 - Three Phase - Medium Heat											
3	DHC036H3RMA0000	15.7 / 8.3	40,500	64,800 / 45,360	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	27.0	40
4	DHC048H3RMA0000	16.5 / 8.8	48,750	81,000 / 56,700	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	29.0	40
5	DHC060H3RMA0000	16.2 / 8.9	61,000	81,000 / 58,320	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	32.0	45
DHC - 460/3/60 - Three Phase - Medium Heat											
3	DHC036H3RMA0000	15.6 / 8.3	40,500	64,800 / 45,360	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	13.0	15
4	DHC048H3RMA0000	16.5 / 8.8	48,750	81,000 / 56,700	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	14.0	15
5	DHC060H3RMA0000	16.0 / 8.9	61,000	81,000 / 58,320	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	15.0	20
DHC - 575/3/60 - Three Phase - Medium Heat											
3	DHC036HWRMA0000	15.6 / 8.3	40,500	64,800 / 45,360	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	11.0	15
4	DHC048HWRMA0000	16.5 / 8.8	48,750	81,000 / 56,700	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	10.0	15
5	DHC060HWRMA0000	16.0 / 8.9	61,000	81,000 / 58,320	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	12.0	15
DHC - 208-230/3/60 - Three Phase - High Heat											
3	DHC036H3RHA0000	15.7 / 8.3	40,500	81,000 / 56,700	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	27.0	40
4	DHC048H3RHA0000	16.5 / 8.8	48,750	105,300 / 73,710	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	29.0	40
5	DHC060H3RHA0000	16.2 / 8.9	61,000	121,500 / 85,050	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	32.0	45
DHC - 460/3/60 - Three Phase - High Heat											
3	DHC036H3RHA0000	15.6 / 8.3	40,500	81,000 / 56,700	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	13.0	15
4	DHC048H3RHA0000	16.5 / 8.8	48,750	105,300 / 73,710	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	14.0	15
5	DHC060H3RHA0000	16.0 / 8.9	61,000	121,500 / 85,050	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	15.0	20
DHC - 575/3/60 - Three Phase - High Heat											
3	DHC036HWRHA0000	15.6 / 8.3	40,500	81,000 / 56,700	81%	41 x 44 x 69	16 x 15.5	24 x 14	658	11.0	15
4	DHC048HWRHA0000	16.5 / 8.8	48,750	105,300 / 73,710	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	845	10.0	15
5	DHC060HWRHA0000	16.0 / 8.9	61,000	121,500 / 85,050	81%	41 x 53 x 88	33 x 17.5	32 x 17.5	849	12.0	15

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

① HCAR breaker per NEC.

② SEER applies, 3-5 tons; EER applies 6-10 tons.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

Packaged Heat Pump Convertible 3-10 Tons

Table LPH-3-A — Base Unit — Standard Efficiency — ReliaTel™ Microprocessor Controls

Tons	Unit Ordering No.	Performance ^② SEER/EER	Cooling Capacity (Btuh)	Cabinet Dimensions (in.) H x D x W	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA*	Max ^① Fuse*
WSC – 208-230/3/60 – Three Phase – No Electric Heat									
3	WSC036H3R0A0000	14.0	39,500	41 x 44 x 69	16 x 15.5	24 x 14	612	30.0	40
4	WSC048H3R0A0000	14.0	50,000	41 x 44 x 69	16 x 15.5	24 x 14	645	30.0	40
5	WSC060H3R0A0000	14.0	61,000	41 x 53 x 88	33 x 17.5	32 x 17.5	777	34.0	50
6	WSC072E3R0A0000	12.6	78,000	47 x 53 x 88	33 x 17.5	32 x 17.5	835	36.3	50
7 1/2	WSC090E3R0A0000	12.5	94,000	47 x 53 x 88	33 x 17.5	32 x 17.5	902	38.4	60
10	WSC0120E3R0A0000	12.4	116,000	51 x 63 x 100	33 x 17.5	32 x 17.5	1388	51.9	60
WSC – 460/3/60 – Three Phase High Efficiency									
3	WSC036H3R0A0000	14.0	39,500	41 x 44 x 69	16 x 15.5	24 x 14	612	14.0	20
4	WSC048H3R0A0000	14.0	50,000	41 x 44 x 69	16 x 15.5	24 x 14	645	14.0	15
5	WSC060H3R0A0000	14.0	61,000	41 x 53 x 88	33 x 17.5	32 x 17.5	777	16.0	20
6	WSC072E4R0A0000	12.6	78,000	47 x 53 x 88	33 x 17.5	32 x 17.5	835	20.3	30
7 1/2	WSC090E4R0A0000	12.5	94,000	47 x 53 x 88	33 x 17.5	32 x 17.5	902	19.0	30
10	WSC0120E4R0A0000	12.4	116,000	51 x 63 x 100	33 x 17.5	32 x 17.5	1388	26.1	35
WSC – 575/3/60 – Three Phase – No Heat									
3	WSC036HWR0A0000	14.0	39,500	41 x 44 x 69	16 x 15.5	24 x 14	612	12.0	15
4	WSC048HWR0A0000	14.0	50,000	41 x 44 x 69	16 x 15.5	24 x 14	645	13.0	15
5	WSC060HWR0A0000	14.0	61,000	41 x 53 x 88	33 x 17.5	32 x 17.5	777	13.0	15
6	WSC072EWR0A0000	12.6	78,000	47 x 53 x 88	33 x 17.5	32 x 17.5	835	12.4	20
7 1/2	WSC090EWR0A0000	12.5	94,000	47 x 53 x 88	33 x 17.5	32 x 17.5	902	14.5	20
10	WSC0120EWR0A0000	12.4	116,000	51 x 63 x 100	33 x 17.5	32 x 17.5	1388	21.1	25

① HCAR breaker per NEC.

② SEER applies, 3-5 tons; EER applies 6-10 tons.

Packaged Heat Pump Convertible 3-10 Tons (Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1-8	Main Assembly (see previous page)		21	Communications Options	
9	Unit Controls			No Communications Interface.....	0
	ReliaTel™ Micro-processor.....	R		BACnet™ Communications Interface	6
10	(See Heater Table below)		22	Refrigeration System Option	
11	Minor Design Sequence			Standard Refrigeration System®	0
	First Sequence	A	23	Refrigeration Controls	
12-13	Service Sequence			No Refrigeration Control③.....	0
	First Sequence (Factory Assigned).....	**		Frostat®	1
14	Fresh Air Selection			Crankcase Heater①	2
	No Fresh Air.....	0		Frostat and Crankcase Heater①⑤.....	3
	Manual Outside Air Damper 0-50%②.....	A	24	Smoke Detector	
	Motorized Outside Air Damper 0-50%②.....	B		No Smoke Detector	0
	Economizer, Dry Bulb 0-100% without			Return Air Smoke Detector⑨	A
	Barometric Relief⑤.....	C		Supply Air Smoke Detector.....	B
	Economizer, Dry Bulb 0-100% with			Supply and Return Air Smoke Detectors⑨.....	C
	Barometric Relief⑤.....	D		Plenum Smoke Detector	D
	Economizer, Reference Enthalpy 0-100%		25	System Monitoring Controls	
	without Barometric Relief⑤	E		No Monitoring Control.....	0
	Economizer, Reference Enthalpy 0-100%			Clogged Filter Switch.....	1
	with Barometric Relief⑤	F		Fan Failure Switch	2
	Economizer, Comparative Enthalpy 0-100%			Discharge Air SensingTube	3
	without Barometric Relief⑤	G		Clogged Filter Switch and Fan Fail Switch.....	4
	Economizer, Comparative Enthalpy 0-100%			Clogged Filter Switch and Discharge Air	
	with Barometric Relief⑤	H		SensingTube.....	5
	Low Leak Economizer, Dry Bulb			Fan Fail Switch and Discharge Air SensingTube	6
	with Barometric Relief.....	K		Clogged Filter and Fan Fail Switches and	
	Low Leak Economizer, Comparative Enthalpy			Discharge Air SensingTube.....	7
	with Barometric Relief.....	M		Condensate Drain Pan Overflow Switch	A
	Low Leak Economizer, Reference Enthalpy			Clogged Filter Switch and Condensate Drain	
	with Barometric Relief.....	P		Pan Overflow Switch	B
15	Supply Fan/Drive Type/Motor			Fan Failure Switch and Condensate Drain	
	Standard Drive④	0		Pan Overflow Switch	C
	Oversized Motor	1		Discharge Air Sensing and Condensate Drain	
	Optional Belt Drive Motor.....	2		Pan Overflow Switch	D
	Single Zone Variable Air Volume (SZVAV)	6		Clogged Filter Switch, Fan Failure Switch and	
	Multi-Speed Indoor Fan⑭.....	7		Condensate Drain Pan Overflow Switch	E
16	Hinged Service Access/Filters			Clogged Filter Switch, Discharge Air SensingTube	
	Standard Panels/Standard Filters	0		and Condensate Drain Pan Overflow Switch	F
	Hinged Access Panels/Standard Filters.....	A		Fan Failure Switch, Discharge Air SensingTube	
	Standard Panels/2" MERV 8 Filters	B		and Condensate Drain Pan Overflow Switch	G
	Hinged Access Panels/2" MERV 8 Filters.....	C		Clogged Filter Switch, Fan Failure Switch,	
	Standard Panels/2" MERV 13 Filters	D		Discharge Air Sensing and Condensate	
	Hinged Access Panels/2" MERV 13 Filters.....	E		Drain Pan Overflow Switch	H
17	Condenser Coil Protection		26	System Monitoring Controls	
	Standard Coil.....	0		No Monitoring Controls	0
	Standard Coil with Hail Guard	1		Demand Control Ventilation (CO ₂)®.....	A
	Black Epoxy Pre-Coated Condenser Coil	2		Fault Detection and Diagnostics (FDD).....	B
	Black Epoxy Pre-Coated Condenser Coil			Fault Detection and Diagnostics (FDD)	
	with Hail Guard	3		with Demand Control Ventilation	C
18	Through the Base Provisions		27	Unit Hardware Enhancements	
	No Through the Base Provisions	0		No Enhancements	0
	Through the Base Electric⑥.....	A		Stainless Steel Drain Pan	1
19	Disconnect/Circuit Breaker (three-phase only)		31	Advanced Unit Controls	
	No Disconnect/No Circuit Breaker	0		Standard Unit Controls	0
	Unit Mounted Non-Fused Disconnect⑥.....	1		Human Interface	1
	Unit Mounted Circuit Breaker⑥	2			
20	Convenience Outlet				
	No Convenience Outlet.....	0			
	Unpowered Convenience Outlet	A			
	Powered Convenience Outlet (three-phase only)⑦	B			

① Available on 3-5 ton models.

② Manual outside air damper will ship factory supplied within the unit, but must be field installed.

③ High pressure control is standard on all units.

④ Multispeed direct drive standard on single-phase products. Belt drive standard on three-phase 3-7½ ton. Variable speed direct drive standard on 10 ton.

⑤ Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.

⑥ Through the base electric required when ordering disconnect/circuit breaker options.

⑦ Requires use of Disconnect or Circuit Breaker.

⑧ Standard metering devices are TXVs.

⑨ The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.

⑩ Requires hinged access panels.

⑪ Crankcase heaters are only available as option on WSC036E, WSC048E1, & WSC060E1. CCH are standard on all other units.

⑫ Motorized outside air damper is not available on Multi-Speed or SZVAV (Single Zone Variable Air Volume) products.

⑬ Frostat standard on Multi-speed and SZVAV (Single Zone Variable Air Volume) products.

⑭ Multi-speed indoor fan only available on 10 ton products.

⑮ Demand Control Ventilation Option includes wiring only. The CO₂ sensor is a field-installed only option.

Packaged Heat Pump Convertible 3-10 Tons (Model Digit Numbers)

Heaters (Digit 10)

kW Rating	Digit	Nominal BTUH	No. Stages	Used With	kW Rating	Digit	Nominal BTUH	No. Stages	Used With
208/240/1/60					460/3/60				
3.8/5.0	(A)	12,800/17,100	1	WSC036-060E1	6.0	(B)	20,500	1	WSC036-060E4
7.5/10.0	(D)	25,600/34,100	2	WSC036-060E1	12.0	(E)	41,000	2	WSC036-060E4
10.4/13.8	(F)	35,300/47,100	2	WSC036-060E1	17.4	(G)	59,400	2	WSC036-060E4
13.2/17.6	(G)	45,100/60,100	2	WSC048-060E1	23.0	(J)	78,500	2	WSC060E4
208/240/3/60					9.0	(C)	30,700	1	W*C072-090E4
4.5/6.0	(B)	13,400/20,500	1	WSC036-060E3	18.0	(G)	61,400	1	W*C072-120E4
9.0/12.0	(E)	30,800/59,400	2	WSC036-060E3	27.0	(K)	92,100	2	W*C072-120E4
13.1/17.4	(G)	44,600/59,400	2	WSC036-060E3	36.0	(N)	122,900	2	W*C072-120E4
17.3/23.0	(J)	58,900/78,500	2	WSC060E3	54.0	(P)	184,300	2	W*C120E4
6.75/9.0	(C)	23,000/30,700	1	W*C072-090E3	575/3/60				
13.5/18.0	(G)	46,100/61,400	1	W*C072-120E3	6.0	(B)	20,500	1	WSC036-060EW
20.3/27.0	(K)	69,000/92,100	2	W*C072-120E3	12.0	(E)	41,000	2	WSC036-060EW
27.0/36.0	(N)	92,200/122,900	2	W*C072-120E3	17.4	(G)	59,400	2	WSC036-060EW
40.5/54.0	(P)	138,200/184,300	2	W*C120E3	23.0	(J)	78,500	2	WSC060EW
					9.0	(C)	30,700	1	W*C072-090EW
					18.0	(G)	61,400	1	W*C072-120EW
					27.0	(K)	92,100	2	W*C072-120EW
					36.0	(N)	122,900	2	W*C072-120EW
					54.0	(P)	184,300	2	W*C120EW

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HEATING & AIR CONDITIONING

Packaged Heat Pump Convertible 3-5 Tons, Electric Heaters

Table LPH-6-A — Accessory Electric Heaters – Unit with Heater is single circuit / single point power entry (3-5 Ton units)

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTRE306C	208-230/3/60	4.5/6.0	13,400/20,500	1	WHC036H3, WSC036-048H3
BAYHTRE312C	208-230/3/60	9.0/12.0	30,800/41,000	2	WHC036H3, WSC036-048H3
BAYHTRE406C	460/3/60	6	20500	1	WHC036H4, WSC036-048H4
BAYHTRE412C	460/3/60	12	41000	2	WHC036H4, WSC036-048H4
BAYHTREW06C	575/3/60	6	20500	1	WHC036HW, WSC036-048HW
BAYHTREW12C	575/3/60	12	41000	2	WHC036HW, WSC036-048HW
BAYHTRX306B	208-230/3/60	4.5/6.0	13,400/20,500	1	WHC048-060H3, WSC060H3
BAYHTRX312B	208-230/3/60	9.0/12.0	30,800/41,000	2	WHC048-060H3, WSC060H3
BAYHTRX406B	460/3/60	6	20500	1	WHC048-060H3, WSC060H4
BAYHTRX412B	460/3/60	12	41000	2	WHC048-060H3, WSC060H4
BAYHTRXW06B	575/3/60	6	20500	1	WHC048-060HW, WSC060HW
BAYHTRXW12B	575/3/60	12	41000	2	WHC048-060HW, WSC060HW
BAYHTRY317A	208-230/1/60	13.1/17.4	44,600/59,400	2	WHC036H3, WSC036-048H3
BAYHTRY318A	208-230/1/60	13.1/17.4	44,600/59,400	2	WHC048-060H3, WSC060H3
BAYHTRY323A	208-230/1/60	17.3/23.0	59,000/78,500	2	WHC060H3, WSC060H3
BAYHTRY417A	460/3/60	17.4	59400	2	WHC036H4, WSC036-048H4
BAYHTRY418A	460/3/60	17.4	59400	2	WHC048-060H4, WSC060H4
BAYHTRY423A	460/3/60	23	78500	2	WHC060H4, WSC060H4
BAYHTRYW17A	575/3/60	17.4	59400	2	WHC036HW, WSC036-048HW
BAYHTRYW18A	575/3/60	17.4	59400	2	WHC048-060HW, WSC060HW
BAYHTRYW23A	575/3/60	23	78500	2	WHC060HW, WSC060HW

Light Commercial
Packaged Heat Pumps

Packaged Heat Pump Convertible 6-10 Tons, Electric Heaters and Zone Sensors

Table LPH-7-A — Accessory Electric Heaters – Unit with Heater is single circuit / single point power entry (6 - 8 1/2 Ton units)

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTRW309A	208-230/3/60	6.8/9.0	23,000/30,700	1	WSC072E3, WSC072H3
BAYHTRW318A	208-230/3/60	13.5/18.0	46,100/61,400	1	WSC072E3, WSC072H3
BAYHTRW327A	208-230/3/60	20.3/27.0	69,000/92,100	2	WSC072E3, WSC072H3
BAYHTRW336A	208-230/3/60	27.0/36.0	92,100/122,900	2	WSC072E3, WSC072H3
BAYHTRW409A	460/3/60	9	30700	1	WSC072E4, WSC072H4
BAYHTRW418A	460/3/60	18	61400	1	WSC072E4, WSC072H4
BAYHTRW427A	460/3/60	27	92100	2	WSC072E4, WSC072H4
BAYHTRW436A	460/3/60	36	122900	2	WSC072E4, WSC072H4
BAYHTRWW18A	575/3/60	18	61400	1	WSC072EW, WSC072HW
BAYHTRWW27A	575/3/60	27	92100	2	WSC072EW, WSC072HW
BAYHTRWW36A	575/3/60	36	122900	2	WSC072EW, WSC072HW
BAYHTRU309A	208-230/3/60	6.8/9.0	23,000/30,700	1	WSC090E3, WSC090H3, WSC102H3
BAYHTRU318A	208-230/3/60	13.5/18.0	46,100/61,400	1	WSC090E3, WSC090H3, WSC102H3
BAYHTRU327A	208-230/3/60	20.3/27.0	69,000/92,100	2	WSC090E3, WSC090H3, WSC102H3
BAYHTRU336A	208-230/3/60	27.0/36.0	92,100/122,900	2	WSC090E3, WSC090H3, WSC102H3
BAYHTRU409A	460/3/60	9	30700	1	WSC090E4, WSC090H4, WSC102H4
BAYHTRU418A	460/3/60	18	61400	1	WSC090E4, WSC090H4, WSC102H4
BAYHTRU427A	460/3/60	27	92100	2	WSC090E4, WSC090H4, WSC102H4
BAYHTRU436A	460/3/60	36	122900	2	WSC090E4, WSC090H4, WSC102H4
BAYHTRUW18A	575/3/60	18	61400	1	WSC090EW, WSC090HW, WSC102HW
BAYHTRUW27A	575/3/60	27	92100	2	WSC090EW, WSC090HW, WSC102HW
BAYHTRUW36A	575/3/60	36	122900	2	WSC090EW, WSC090HW, WSC102HW

Table LPH-7-B — Accessory Electric Heaters - Unit with Heater is single circuit / single point power entry (Select 7 1/2 - 8 1/2 Ton, All 10 Ton units)

Model Number	Power Supply	kW Rating	Nominal BTUH	No. Stages	Used With
BAYHTRB318A	208-230/3/60	13.5/18.0	46,100/61,400	1	WSC120E3
BAYHTRB327A	208-230/3/60	20.3/27.0	69,000/92,100	2	WSC120E3
BAYHTRB336A	208-230/3/60	27.0/36.0	92,100/122,900	2	WSC120E3
BAYHTRB354A	208-230/3/60	40.6/54.0	138,000/184,300	2	WSC120E3
BAYHTRB418A	460/3/60	18	61400	1	WSC120E4
BAYHTRB427A	460/3/60	27	92100	2	WSC120E4
BAYHTRB436A	460/3/60	36	122900	2	WSC120E4
BAYHTRB454A	460/3/60	54	184300	2	WSC120E4
BAYHTRBW18A	575/3/60	18	61400	1	WSC120EW
BAYHTRBW36A	575/3/60	36	122900	2	WSC120EW
BAYHTRBW54A	575/3/60	54	184300	2	WSC120EW
BAYHTRA309A	208-230/3/60	6.8/9.0	23,000/30,700	1	WSC090H3, WSC102H3
BAYHTRA318A	208-230/3/60	13.5/18.0	46,100/61,400	1	WSC090H3, WSC102H3, WSC120H3
BAYHTRA327A	208-230/3/60	20.3/27.0	69,000/92,100	2	WSC090H3, WSC102H3, WSC120H3
BAYHTRA336A	208-230/3/60	27.0/36.0	92,100/122,900	2	WSC090H3, WSC102H3, WSC120H3
BAYHTRA354A	208-230/3/60	40.6/54.0	138,000/184,300	2	WSC120H3
BAYHTRA409A	460/3/60	9	30700	1	WSC090H4, WSC102H4
BAYHTRA418A	460/3/60	18	61400	1	WSC090H4, WSC102H4, WSC120H4
BAYHTRA427A	460/3/60	27	92100	2	WSC090H4, WSC102H4, WSC120H4
BAYHTRA436A	460/3/60	36	122900	2	WSC090H4, WSC102H4, WSC120H4
BAYHTRA454A	460/3/60	54	184300	2	WSC120H4
BAYHTRAW18A	575/3/60	18	61400	1	WSC090H4, WSC102H4, WSC120H4
BAYHTRW27A	575/3/60	27	92100	2	WSC090H4, WSC102H4, WSC120H4
BAYHTRAW36A	575/3/60	36	122900	2	WSC090H4, WSC102H4, WSC120H4
BAYHTRAW54A	575/3/60	54	184300	2	WSC120H4

Packaged Heat Pump Convertible 3-10 Tons Accessories

Table LPH-8-A — Accessories

Model Number	Description	Used With
BAYABRD001C ^④	ReliaTel™ Options Module	All WSC036-120E, See Note4
BAYBARM010A ^②	Barometric Relief	WSC036-048E
BAYBARM011A ^②	Barometric Relief	WSC060-120E
BAYBCIR001A	BACnet™ Communication Interface	ReliaTel™ Controller (BCI-R)\
BAYCO2K001B	CO2 Sensor Kit, Wall Mounted	All WSC036-120E
BAYCO2K003B	CO2 Sensor Kit, Duct Mounted	All WSC036-120E
BAYCURB042A ^③	Roof Curb	WSC036-048E
BAYCURB043A ^③	Roof Curb	WSC060-090E
BAYCURB044A ^③	Roof Curb	WSC120E
BAYDFPS003B ^④	Clogged Filter Switch (w/Standard & MERV 8 Filter	All WSC036-120E
BAYDFPS014A ^④	Clogged Filter Switch (MERV 13 Filter	All WSC036-120E
BAYDFPS004A ^④	Fan Failure Switch	All WSC036-120E
BAYDMPR053B ^⑤	0-50% Manual Outside Air Damper	WSC036-048, WHC036
BAYDMPR056B ^⑤	0-50% Manual Outside Air Damper	WSC060-120, WHC048-060
BAYDMPR051A	0-50% Motorized Outside Air Damper	WSC036-048, WHC036
BAYDMPR054A	0-50% Motorized Outside Air Damper	WSC060-120, WHC048-060
BAYECON085A	0-100% Economizer without Barometric Relief	WSC036-048, WHC036
BAYECON087A	0-100% Economizer without Barometric Relief	WSC060-120, WHC048-060
BAYECON704A	Downflow Low Leak Economizer	WSC060-120, WHC048-060
BAYECON705B	Downflow Low Leak Economizer	WSC036-048, WHC036
BAYENTH005A ^①	Reference Enthalpy Kit	BAYECON085A, 087A
BAYENTH006B ^①	Comparative Enthalpy Kit	BAYECON085A, 087A
BAYFRST003A ^⑥	High Temperature Stat	All WSC036-120E
BAYGARD137A	Condenser Coil Hail Guard	WSC036-048, WHC036
BAYGARD040C	Condenser Coil Hail Guard	WSC060-072, WHC048-060
BAYGARD041C	Condenser Coil Hail Guard	WSC090, WSC120H
BAYGARD070A	Condenser Coil Hail Guard	WSC120E

① Kits contain all necessary parts to achieve desired level of enthalpy control.

② Barometric Relief accessory installs in ductwork for horizontal configuration. For downflow configuration, installs on the unit's horizontal return duct. Panel see Installer's Guide for complete instructions.

③ Lynn Haven manufacturing has a no return policy for this roof curb.

④ BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE005A or BAYTUBE007A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options include the ReliaTel™ Options Module.

⑤ Cannot be used in conjunction with factory installed smoke detector.

⑥ The manual outside air damper will ship factory supplied within the unit, but must be field installed.

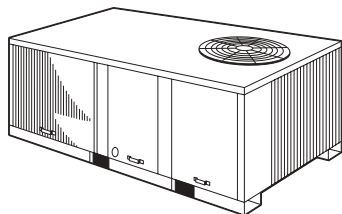
Packaged Heat Pump Convertible 3-10 Tons Accessories

Table LPH-9-A — Accessories

Model Number	Description	Used With
BAYHSMT403A.....	2 HP Belt Drive Oversized Motor	WSC072*3, *4
BAYHSMT404A.....	2 HP Belt Drive Oversized Motor	WSC072*W
BAYHSMT400A.....	3 HP Belt Drive Oversized Motor	WSC090*3, *4
BAYHSMT401A.....	3 HP Belt Drive Oversized Motor	WSC090*W
BAYLSDR009A	Low Static Drive	WSC090
BAYLOAM020B④	Evaporator Defrost Control (Frostat).....	All WSC036-120E
BAYLTCI002B7	LonTalk® Communications Interface (LCI).....	All WSC036-120E
BAYPWRX070A	Power Exhaust (208-230/3)	WSC036-048*3, WHC036*3
BAYPWRX071A	Power Exhaust (460/3)	WSC036-048*3, WHC036*4
BAYPWRX072A	Power Exhaust (575/3)	WSC036-060EW
BAYPWRX026A⑤	Power Exhaust (208-230/3)	WSC072-120E3
BAYPWRX027A⑤	Power Exhaust (460/3)	WSC072-120E4
BAYPWRX028A⑤	Power Exhaust (575/3)	WSC072-120EW
BAYQACB009A②③	Quick Adapt Roof Curb	WSC036-048, WHC036
BAYQACB010A②③	Quick Adapt Roof Curb	WSC036-048, WHC036
BAYQACB011A②⑦	Quick Adapt Roof Curb	WSC060-090, WHC048-060
BAYQACB012A②⑦	Quick Adapt Roof Curb	WSC060-090, WHC048-060
BAYQACB013A②⑦	Quick Adapt Roof Curb	WSC060-090, WHC048-060
BAYQACB111A②③	Quick Adapt Roof Curb	WSC120E
BAYQACB112A②③	Quick Adapt Roof Curb	WSC120E
BAYQACB113A②③	Quick Adapt Roof Curb	WSC120E

- ① Used for true discharge air sensing in both heating and cooling. Required for supply air tempering.
- ② Lynn Haven manufacturing has a no return policy for this roof curb.
- ③ BAYQACB009A adapts Voyager BAYCURB021A roof curb to accept Precedent 3-5 ton unit. BAYQACB010A adapts Voyager BAYCURB022A roof curb to accept Precedent 3-5 ton unit. BAYQACB111A adapts Voyager BAYCURB022 roof curb to accept WSC120E. BAYQACB112A adapts Voyager BAYCURB025 roof curb to accept WSC120E. BAYQACB113A adapts Voyager BAYCURB026 roof curb to accept WSC120E.
- ④ BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE005A or BAYTUBE007A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options include the ReliaTel™ Options Module.
- ⑤ Interface allows unit to communicate with Tracer 100, Tracker, VariTrac II, and is the preferred method of communication to Tracer Summit.
- ⑥ Power Exhaust cannot be used with Barometric Relief. Order Economizer without Barometric Relief.
- ⑦ BAYQACB012A adapts Voyager BAYCURB025 roof curb to accept Precedent 6-10 ton unit. BAYQACB011A adapts Voyager BAYCURB022B roof curb to accept Precedent 6-10 ton unit. BAYQACB adapts Voyager BAYCURB026 roof curb to accept WSC060-090E.
- ⑧ Field installed accessory. Requires an economizer.
- ⑨ If any version of comparative or reference enthalpy is ordered, BAYRTEM001A does not need to be ordered.
- ⑩ Order only when unit has factory installed Demand Control Ventilation option.

Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons



12½ – 20 Ton WSD—Downflow
12½ – 20 Ton WSH—Horizontal

- EER up to 10.6
- **ReliaTel™** processor control features are listed on page LPC-13
- Built-in anti-short cycle, time-delay relay and minimum on time controls
- 2" filters for 12½ - 20 ton units
- Liquid line drier
- Built-in fork lift holes
- Operating charge of R-410A
- Quick-Session service panels slide in and out
- Scroll compressors
- Dedicated horizontal and downflow designs
- Single-side access
- Single point power for electric heat
- Complete line of optional electric heaters
- Internally enhanced coil tubing
- Low ambient to 0°F standard
- Colored and numbered wiring
- Common cabinet and accessories Cooling only and Gas/Electric Heat models
- Quick-adjust idler arm pulley
- **5-year limited compressor warranty (12½ – 20 tons)**

Table LPH-10-A — Standard — ReliaTel™ Units (R-410A)

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance IEER	Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA ^⑤	Max Fuse Size or ^④ Max Circuit Breaker	Downflow Roofcurb
12 ½	WS*150E3R0B0000	208-230/3/60	12.0	146,000	56 ¹ / ₈ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2455	67.0	80	BAYCURB027B
15	WS*180E3R0B0000	208-230/3/60	12.0	177,000	56 ¹ / ₈ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2459	73.0	90	BAYCURB027B
20	WS*240E3R0B0000	208-230/3/60	11.5	240,000	66 ¹ / ₄ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2641	113.0	150	BAYCURB027B
12 ½	WS*150E4R0B0000	460/3/60	12.0	146,000	56 ¹ / ₈ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2455	32.0	40	BAYCURB027B
15	WS*180E4R0B0000	460/3/60	12.0	177,000	56 ¹ / ₈ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2459	36.0	45	BAYCURB027B
20	WS*240E4R0B0000	460/3/60	11.5	240,000	66 ¹ / ₄ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2641	53.0	70	BAYCURB027B
12 ½	WS*150EWR0B0000	575/3/60	12.0	146,000	56 ¹ / ₈ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2455	25.0	30	BAYCURB027B
15	WS*180EWR0B0000	575/3/60	12.0	177,000	56 ¹ / ₈ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2459	29.0	35	BAYCURB027B
20	WS*240EWR0B0000	575/3/60	11.5	240,000	66 ¹ / ₄ x 84 ³ / ₁₆ x 121 ¹¹ / ₁₆	2641	45.0	50	BAYCURB027B
Tons	Supply Downflow W x L ^{①②}	Return Downflow W x L ^{①②}	Supply Horizontal H x W ^{①②}	Return Horizontal H x W ^{①②}	Curb Size H x W x L ^{②③}	Roof Opening W x L ^{①②}			
20	28 ⁹ / ₁₆ x 69 ¹ / ₂	22 ¹ / ₄ x 77	46 ⁷ / ₁₆ x 26 ¹ / ₂	46 ⁷ / ₁₆ x 27 ⁹ / ₁₆	14 ¹ / ₁₆ x 81 x 117 ³ / ₁₆	76 ¹ / ₂ x 81			

① Dimensions are in inches. See Outline Dimensions.

② Interior Dimension.

③ Measurement Includes Curb Flange.

④ HACR type circuit breaker per NEC.

⑤ Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

* Digit 3 - H = Horizontal or D = Downflow.

Packaged Heat Pump with ReliaTel™ Controls 12½-25 Tons (Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1	Unit Type Packaged Cooling, Electric Heat.....W		19	Disconnect Switch/Circuit Breaker No Disconnect/circuit break.....0 Unit Mounted Non-Fused Disconnect Switch.....1 Unit Mounted Circuit Breaker.....2	
2	Efficiency Standard Efficiency.....S		20	Convenience Outlet Option Without Convenience Outlet.....0 Unpowered Convenience Outlet.....A Powered Convenience Outlet.....B	
3	Airflow Configuration Downflow.....D Horizontal.....H		21	Communications Options Without Communications Options.....0 Building Automation Control Network Communications Interface.....6	
4-6	Nominal Gross Cooling Capacity (MBh) 12½ Tons.....150 15 Tons.....180 17½ Tons.....210 20 Tons.....240		22	Refrigeration System Option Standard refrigeration system.....0	
7	Major Design Sequence R-410A Refrigerant.....E		23	Refrigeration Controls Without Refrigeration Controls.....0 Frostat.....1	
8	Voltage Selection 208-230/60/3.....3 460/60/3.....4 575/60/3.....W		24	Smoke Detector Without Smoke Detector.....0 Return Air Smoke Detector.....A Supply Air Smoke Detector.....B Return/Supply Air Smoke Detector.....C Plenum Smoke Detector.....D	
9	Unit Controls ReliaTel™.....R		25	System Monitoring Controls No Monitoring Controls.....0 Clogged Filter Switch.....1 Fan Failure Switch.....2 Discharge Air Sensing.....3 Clogged Filter Switch and Fan Failure.....4 Clogged Filter Switch and Discharge Air Sensing.....5 Fan Failure Switch and Discharge Air Sensing.....6 Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing.....7 Condensate Drain Pan Overflow Switch.....A Clogged Filter Switch and Condensate Drain Pan Overflow Switch.....B Fan Failure Switch and Condensate Drain Pan Overflow Switch.....C Discharge Air Sensing and Condensate Drain Pan Overflow Switch.....D Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch.....E Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch.....F Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch.....G Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch.....H	
10	Heating Capacity No Heat.....0 18 kW Electric Heat.....G 36 kW Electric Heat.....N 54 kW Electric Heat.....P 72 kW Electric Heat.....R		26	System Monitoring Controls No Monitoring Controls.....0 Demand Control Ventilation (CO ₂)①.....A Fault Detection and Diagnostics (FDD).....B Fault Detection and Diagnostics (FDD) with Demand Control Ventilation.....C	
11	Minor Design Sequence		27	Unit Hardware Enhancements No Enhancements.....0 Stainless Steel Drain Pan.....1	
12-13	Service Sequence		28	Short Circuit Current Rating (SCCR) Standard SCCR.....0 65 kA SCCR.....A	
14	Fresh Air Selection No Fresh Air.....0 Manual Damper.....A Motorized Damper.....B Econ Dry Bulb w/Barometric Relief.....D Econ Reference Enthalpy w/Barometric Relief.....F Econ Comparative Enthalpy w/Barometric Relief.....H Low Leak Economizer, Dry Bulb with Barometric Relief.....K Low Leak Economizer, Comparative Enthalpy with Barometric Relief.....M Low Leak Economizer, Reference Enthalpy with Barometric Relief.....P		31	Advanced Unit Controls Standard Unit Controls.....0 Human Interface.....1	
15	Supply Fan/Drive Type/Motor Standard Motor.....0 Oversized Motor.....1 High Efficiency Motor.....3 Single Zone Variable Air Volume Standard Motor.....6 Multi-Speed Standard Motor.....7 Single Zone Variable Air Volume Oversized Motor.....8 Multi-Speed Oversized Motor.....9 Single Zone Variable Air Volume Standard Motor w/Shaft Ground Ring.....A Multi-Speed Standard Motor w/Shaft Ground Ring.....B Single Zone Variable Air Volume Oversized Motor w/Shaft Ground Ring.....C Multi-Speed Oversized Motor w/Shaft Ground Ring.....D		Note: Most Factory Installed Options available for Downflow Air Discharge units only. Please verify with ordering system for availability.		
16	Hinged Service Access / Filters Standard Panels/Standard Filters.....0 Hinged Access/Standard Filters.....A Standard Panels/2" MERV 8 Filters.....B Hinged Access/2" MERV 8 Filters.....C Standard Panels/MERV 13 Filters.....D Hinged Access/MERV 13 Filters.....E				
17	Condenser Coil Protection Standard Coil.....0 Standard Coil With Hail Guard.....1 Black Epoxy Pre-Coated Coil.....2 Black Epoxy Pre-Coated Coil with Hail Guard.....3				
18	Through The Base Provisions No Through The Base Provisions.....0 Through The Base Electric.....A Through The Base Access.....D				

① Demand Control Ventilation Option includes wiring only. The CO2 sensor is a field-installed only option.

Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons Zone Sensors

Table LPH-12-A — Zone Sensors

Model Number	Description	Used With
ASYSTAT107A	Single Setpoint Manual Changeover	WC*150-240
ASYSTAT109A	Dual Setpoint Manual or Automatic Changeover	WC*150-240
ASYSTAT111A	Remote Room Sensor	ASYSTAT777A
ASYSTAT777A	Programmable Night Setback	WC*150-240
BAYMTPL110A	Retrofit Wall Cover Plate Kit 7.25" x 6.0"	ASYSTAT777A
BAYSENS924A①	Title 24 Zone Sensor	All

① Must be used with ReliaTel™ Control and BCI Communications Interface

Read Only

Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons Accessories

Table LPH-13-A — Field Installed Accessories

Model Number	Description	Used With
BAYABRD002B ^⑤	ReliaTel™ Options Module	All Voyager Heat Pumps
BAYBCIR001A	Bacnet™ Communication Interface	ReliaTel™ Controller (BCI-R)
BAYCO2K002B ^⑦	CO ₂ Sensor Wall Mounted	All Voyager Heat Pumps w/Economizers
BAYCO2K004B ^⑦	CO ₂ Sensor Duct Mounted	All Voyager Heat Pumps w/Economizers
BAYCURB027B ^{③④}	Downflow Only Roof Curb	WSD150E-240E
BAYDFPS005A ^{⑤⑥}	Clogged Filter Switch (MERV 7)	WS*150E-240E
BAYDFPS006A ^{⑤⑥}	Fan Failure Switch	WS*150E-240E
BAYDFPS013A	Clogged Filter Switch (MERV 13)	WS*150E-240E
BAYDMPR029C	0-25% Manual Outside Air Damper	All Packaged Rooftops 12½-20 Tons
BAYDMPR058A	0-50% Motorized Outside Air Damper	WS*150E-240E
BAYECON090A ^⑥	Downflow Economizer with Barometric Relief	WSD150E-240E
BAYECON092A	Horizontal Economizer	WSH150E-240E
BAYECON701A	Downflow Low Leak Economizer	WSD150F-240F
BAYENTH007A	Reference Enthalpy Kit	All BAYECON089-92A
BAYENTH008A	Comparative Enthalpy Kit	All BAYECON089-92A
BAYFRST003A	High Temperature Stat	WS*150E-240E
BAYGARD045A ^⑥	Tool-less Hail Guard	WS*150E, WS*180E
BAYGARD050A ^⑥	Tool-less Hail Guard	WS*240E
BAYHSDR005B ^①	High Static Drive	WS*150E-240E
BAYHSMT055B	5HP OVERSIZED MOTOR KIT (208-230/460)	WS*150E, WS*180E
BAYHSMT072A	5HP OVERSIZED MOTOR KIT (575)	WS*150E, WS*180E
BAYHSMT100A	7.5HP OVERSIZED MOTOR KIT (208-230)	WS*240E
BAYHSMT101A	7.5HP OVERSIZED MOTOR KIT (460)	WS*240E
BAYHSMT102A	7.5HP OVERSIZED MOTOR KIT (575)	WS*240E
BAYLOAM023A ^{⑤⑥}	Evaporator Defrost Control (Frostat)	WS*150E, WS*180E
BAYLOAM031A	Evaporator Defrost Control	WS*240E
BAYLSDR004A	Low Static Drive	WS*240E
BAYLSDR011A	Low Static Drive	WS*150E, WS*180E
BAYPWRX029A	Power Exhaust for all Voyagers 12½-20 Ton 230V units	Downflow Only
BAYPWRX030A	Power Exhaust for all Voyagers 12½-20 Ton 460V units	Downflow Only
BAYPWRX031A	Power Exhaust for all Voyagers 12½-20 Ton 575V units	Downflow Only
BAYQACB044A	Adapter Curb	BAYCURB026A/B to BAYCURB027A/B
BAYSERV001A	Selective Resistance Service Tester	All Voyagers 12½-20 Tons
BAYSTAT023	Remote Potentiometer	All BAYECON089-92A
BAYTUBE008A ^{②③⑥}	Discharge Air Sensing Kit	All Voyagers 12½-20 Tons Downflow
BAYTUBE009A ^{②③⑥}	Discharge Air Sensing Kit	All Voyagers 12½-20 Tons Horizontal
BAYVNOR002B ^⑤	Ventilation Override Kit	WS*150-240E w/ReliaTel™ Options Module

① High static drive and oversized motors are mutually exclusive, Do not Combine.

② Used for true discharge air sensing in both heating and cooling models.

③ Clarksville Manufacturing has a no-return policy for this roof curb.

④ For downflow use only. Can not be adapted for horizontal units.

⑤ BAYABRD002B is required when ordering field installed accessories BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A, BAYLOAM031A or BAYVNOR002B.

⑥ Field or factory installed option.

⑦ Field installed accessory. Requires an economizer.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons Heaters

Table LPH-14-A — Downflow Supplementary Heaters:

Model Number	Power Supply	kW Rating	BTUH	Nominal Stages	Used With
AYDHTRK318B	208-230/3/60	13.5/18.0	46,100/61,400	1	WSD150-180E
AYDHTRK336B	208-230/3/60	27.0/36.0	92,200/122,900	2	WSD150-180E
AYDHTRK354B	208-230/3/60	40.5/54.0	138,200/184,300	2	WSD150-180E
AYDHTRK418B	460/3/60	18.0	61,400	1	WSD150-180E
AYDHTRK436B	460/3/60	36.0	122,900	2	WSD150-180E
AYDHTRK454B	460/3/60	54.0	184,300	2	WSD150-180E
AYDHTRL336B	208-230/3/60	27.0/36.0	92,200/122,900	2	WSD240E
AYDHTRL354B	208-230/3/60	40.5/54.0	138,200/184,300	2	WSD240E
AYDHTRK372B	208-230/3/60	54.0/72.0	184,300/245,700	2	WSD240E
AYDHTRL436B	460/3/60	36.0	122,900	2	WSD240E
AYDHTRL454B	460/3/60	54.0	184,300	2	WSD240E
AYDHTRK472B	460/3/60	72.0	245,700	2	WSD240E
AYDHTRKW18B	575/3/60	18.0	61,400	1	WSD150-180E
AYDHTRKW36B	575/3/60	36.0	122,900	2	WSD150-180E
AYDHTRKW54B	575/3/60	54.0	184,300	2	WSD150-180E
AYDHTRLW36B	575/3/60	36.0	122,900	2	WSD240E
AYDHTRLW54B	575/3/60	54.0	184,300	2	WSD240E
AYDHTRKW72B	575/3/60	72.0	245,700	2	WSD240E

Table LPH-14-B — Horizontal Supplementary Heaters:

AYHHTRM318B	208-230/3/60	13.5/18.0	46,100/61,400	1	WSH150-180E
AYHHTRM336B	208-230/3/60	27.0/36.0	92,200/122,900	2	WSH150-180E
AYHHTRM354B	208-230/3/60	40.5/54.0	138,200/184,300	2	WSH150-180E
AYHHTRM418B	460/3/60	18.0	61,400	1	WSH150-180E
AYHHTRP436B	460/3/60	36.0	122,900	2	WSH150-180E
AYHHTRM454B	460/3/60	54.0	184,300	2	WSH150-180E
AYHHTRN336B	208-230/3/60	27.0/36.0	92,200/122,900	2	WSH240E
AYHHTRN354B	208-230/3/60	40.5/54.0	138,200/184,300	2	WSH240E
AYHHTRN372B	208-230/3/60	54.0/72.0	184,300/245,700	2	WSH240E
AYHHTRN436B	460/3/60	36.0	122,900	2	WSH240E
AYHHTRN454B	460/3/60	54.0	184,300	2	WSH240E
AYHHTRN472B	460/3/60	72.0	245,700	2	WSH240E
AYHHTRMW18B	575/3/60	18.0	61,400	1	WSH150-180E
AYHHTRMW36B	575/3/60	36.0	122,900	2	WSH150-180E
AYHHTRMW54B	575/3/60	54.0	184,300	2	WSH150-180E
AYHHTRNW36B	575/3/60	36.0	122,900	2	WSH240E
AYHHTRNW54B	575/3/60	54.0	184,300	2	WSH240E
AYHHTRNW72B	575/3/60	72.0	245,700	2	WSH240E

Note: Unit with heater is single circuit/single point.

See ReliaTel™ and Micro Control features on LPC-12 and LPC-13.

BUILT TO A HIGHER STANDARD™

American Standard®

HEATING & AIR CONDITIONING



Beveled Top
Smoother Design
Small compact cabinet
Recessed access handles

Packaged Gas/Electric Convertible 3-10 Tons

Standard Features:

- American Standard Heating & Air Conditioning scroll compressors on all 3-10 ton units
- Colored and numbered wiring
- Phase Monitor, R-410A, 3 Phase Units
- Provisions for through the Base Gas and Condensate Drain Connections
- 2" throwaway filters provided on all units
- Liquid Line Refrigerant Drier
- Operating Charge of R-410A
- IAQ Sloped Drain Pans
- Low Ambient to 40°F on Electromechanical models
- Low Ambient to 0°F on ReliaTel™ models
- 5 - year Limited Compressor Warranty
- 5 - year Limited Heat Exchanger Warranty
- 1 - year Limited Parts Warranty

Added Flexibility

- Electromechanical or ReliaTel™ controls (**See page LPC-12 for ReliaTel™ Control Information**)
- Standard or high efficiency cooling models available. 17+ available in 3T to 5T. For reference to 17+ please refer to publications RT-PRC048-EN and RT-SLB020-EN.
- Low, medium or high heat, single or two stage
- Convertible airflow
- Fork lift openings on three sides of unit
- Direct or belt drive - standard or oversized motors
- We don't prepackage options
- Choose options tailored to suit each job —pay only for what is needed
- Units ship with options installed —and within our standard ship cycle time

Factory Installed Options

- Through-the-Base — Electrical
- Convenience Outlet — Powered or unpowered
- Unit Disconnect Switch
- Circuit Breaker
- Smoke Detectors — Supply, return, or both
- Condenser Coil Coating
- Hinged Access Service Panels
- Discharge Air Sensor
- Fan Fail and Clogged Filter Switches
- Condenser Coil Guard — Hail Protection Quality
- Hot Gas Reheat Coil - Dehumidification (High Efficiency Units Only)
- Expansion valve and split face evaporator coil
- Novar Controls
- Comm 3/4 Communications Interface
- BACnet™ Communications Interface
- 2" Pleated Media filters (MERV 8 & 13)
- Froststat
- Multi-Speed & Single Zone VAV ID Airflow
- Demand Control Ventilation
- Stainless Steel Drainpan
- Condensate Drainpan Overflow Switch

Light Commercial
Packaged Gas/Electric

The same American Standard Heating & Air Conditioning Quality and Reliability ... with added Flexibility!

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric Convertible 3-5 Tons, 17 SEER, R-410A

Table LPG-2-A — 17 Plus - R-410A - ReliaTel™ Controls Only

Tons	Unit Ordering No.	Performance SEER	Cooling Capacity (Btuh)	Heating Output Capacity (Btuh)	S.S. Furnace Eff%	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max. Fuse**
YHC - 208-230/3/60 - Three Phase - Low Heat											
3	YHC037E3RLA0000	17.5	36,500	48,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	23.3	30
4	YHC047E3RLA0000	17.5	50,500	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	29.4	40
5	YHC067E3RLA0000	17.2	60,000	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	45
YHC - 460/3/60 - Three Phase - Low Heat											
3	YHC037E4RLA0000	17.5	36,500	48,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	11.4	15
4	YHC047E4RLA0000	17.5	50,500	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	15.2	20
5	YHC067E4RLA0000	17.2	60,000	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	20
YHC - 575/3/60 - Three Phase - Low Heat											
3	YHC037EWRLA0000	17.5	36,500	48,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	8.7	15
4	YHC047EWRLA0000	17.5	50,500	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	10.4	15
5	YHC067EWRLA0000	17.2	60,000	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	11.2	15
YHC - 208-230/3/60 - Three Phase - Medium Heat											
3	YHC037E3RMA0000	17.5	36,500	64,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	23.3	30
4	YHC047E3RMA0000	17.5	50,500	64,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	29.4	40
5	YHC067E3RMA0000	17.2	60,000	64,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	45
YHC - 460/3/60 - Three Phase - Medium Heat											
3	YHC037E4RMA0000	17.5	36,500	64,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	11.4	15
4	YHC047E4RMA0000	17.5	50,500	64,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	15.2	20
5	YHC067E4RMA0000	17.2	60,000	64,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	20
YHC - 575/3/60 - Three Phase - Medium Heat											
3	YHC037EWRMA0000	17.5	36,500	64,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	8.7	15
4	YHC047EWRMA0000	17.5	50,500	64,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	10.4	15
5	YHC067EWRMA0000	17.2	60,000	64,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	11.2	15
YHC - 208-230/3/60 - Three Phase - High Heat											
3	YHC037E3RMA0000	17.5	36,500	80,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	23.3	30
4	YHC047E3RMA0000	17.5	50,500	96,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	29.4	40
5	YHC067E3RMA0000	17.2	60,000	104,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	45
YHC - 460/3/60 - Three Phase - High Heat											
3	YHC037E4RMA0000	17.5	36,500	80,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	11.4	15
4	YHC047E4RMA0000	17.5	50,500	96,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	15.2	20
5	YHC067E4RMA0000	17.2	60,000	104,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	20
YHC - 575/3/60 - Three Phase - High Heat											
3	YHC037EWRMA0000	17.5	36,500	80,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	8.7	15
4	YHC047EWRMA0000	17.5	50,500	96,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	858	10.4	15
5	YHC067EWRMA0000	17.2	60,000	104,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	11.2	15

① Downflow Airflow/Horizontal Airflow

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Gas/Electric Convertible 3-5 Tons, 15 SEER, R-410A

Table LPG-3-A - Base Unit - 15 SEER High Efficiency - Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance SEER	Cooling Capacity (Btuh)	Heating Output ^① Capacity (Btuh)	AFUE/S.S. Furnace Eff%	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max. Fuse**
YHC - 208-230/1/60 - Single Phase - Low Heat											
3	YHC036E1*LB0000	15.2	38,490	49,200	81	36 x 44 x 69	16 x 15.5	24 x 14	555	26.7	40
4	YHC048F1*LB0000	15.0	48,930	49,200	81	41 x 53 x 88	33 x 17.5	32 x 17.5	798	35.7	50
5	YHC060F1*LB0000	15.0	61,000	49,800	81	41 x 53 x 88	33 x 17.5	32 x 17.5	823	43.8	70
YHC - 208-230/3/60 - Three Phase - Low Heat											
3	YHC036E3*LA0000	15.0	37,600	49,200	78	36 x 44 x 69	16 x 15.5	24 x 14	637	21.9	30
4	YHC048F3*LA0000	15.0	49,930	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	869	28.3	40
5	YHC060F3*LA0000	15.0	61,000	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	894	32.1	45
YHC - 460/3/60 - Three Phase - Low Heat											
3	YHC036E4*LA0000	15.0	37,600	48,000	78	36 x 44 x 69	16 x 15.5	24 x 14	637	10.2	15
4	YHC048F4*LA0000	15.0	49,930	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	869	13.8	20
5	YHC060F4*LA0000	15.0	61,000	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	894	17.0	20
YHC - 575/3/60 - Three Phase - Low Heat											
3	YHC036EW*LA0000	14.4	37,600	48,000	78	36 x 44 x 69	16 x 15.5	24 x 14	637	7.9	15
4	YHC048FW*LA0000	15.0	49,930	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	869	9.8	15
5	YHC060FW*LA0000	15.0	61,000	49,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	894	10.2	15
YHC - 208-230/1/60 - Single Phase - Medium Heat											
3	YHC036E1*MB0000	15.2	38,490	65,600	81	36 x 44 x 69	16 x 15.5	24 x 14	555	26.7	40
4	YHC048F1*MB0000	15.0	48,930	66,400	81	41 x 53 x 88	33 x 17.5	32 x 17.5	798	35.7	50
5	YHC060F1*MB0000	15.0	61,000	65,600	81	41 x 53 x 88	33 x 17.5	32 x 17.5	823	43.8	70
YHC - 208-230/3/60 - Three Phase - Medium Heat											
3	YHC036E3*MA0000	15.0	37,600	65,600	78	36 x 44 x 69	16 x 15.5	24 x 14	676	21.9	30
4	YHC048F3*MA0000	15.0	49,930	66,400	79	41 x 53 x 88	33 x 17.5	32 x 17.5	858	28.3	40
5	YHC060F3*MA0000	15.0	61,000	65,600	79	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.1	45
YHC - 460/3/60 - Three Phase - Medium Heat											
3	YHC036E4*MA0000	15.0	37,600	64,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	10.2	15
4	YHC048F4*MA0000	15.0	49,930	64,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	858	13.8	20
5	YHC060F4*MA0000	15.0	61,000	64,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	917	17.0	20
YHC - 575/3/60 - Three Phase - Medium Heat											
3	YHC036EW*MA0000	14.4	37,600	64,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	7.9	15
4	YHC048FW*MA0000	15.0	49,930	64,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	858	9.8	15
5	YHC060FW*MA0000	15.0	61,000	64,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	917	10.2	15
YHC - 208-230/1/60 - Single Phase - High Heat											
3	YHC036E1*HB0000	15.2	38,490	82,000	81	36 x 44 x 69	16 x 15.5	24 x 14	555	26.7	40
4	YHC048F1*HB0000	15.0	48,930	98,400	81	41 x 53 x 88	33 x 17.5	32 x 17.5	798	35.7	50
5	YHC060F1*HB0000	15.0	61,000	106,600	81	41 x 53 x 88	33 x 17.5	32 x 17.5	823	43.8	70
YHC - 208-230/3/60 - Three Phase - High Heat											
3	YHC036E3*HA0000	15.0	37,600	96,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	23.3	30
4	YHC048F3*HA0000	15.0	49,930	96,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	858	29.4	40
5	YHC060F3*HA0000	15.0	61,000	104,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	45
YHC - 460/3/60 - Three Phase - High Heat											
3	YHC036E4*HA0000	15.0	37,600	96,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	23.3	15
4	YHC048F4*HA0000	15.0	49,930	96,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	858	29.4	20
5	YHC060F4*HA0000	15.0	61,000	104,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	32.2	20
YHC - 575/3/60 - Three Phase - High Heat											
3	YHC036EW*HA0000	14.4	37,600	96,000	78	36 x 44 x 69	16 x 15.5	24 x 14	676	7.9	15
4	YHC048FW*HA0000	15.0	49,930	96,000	79	41 x 53 x 88	33 x 17.5	32 x 17.5	858	9.8	15
5	YHC060FW*HA0000	15.0	61,000	104,000	80	41 x 53 x 88	33 x 17.5	32 x 17.5	917	10.2	15

① Downflow Airflow/Horizontal Airflow

* Digit 9-E=Electromechanical or R=ReliaTel™.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric Convertible 3-5 Tons, 14 SEER, R-410A

Table LPG-4-A - Base Unit - 14 SEER - Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance SEER	Cooling Capacity (Btuh)	Heating Output ^① Capacity Lo/Hi (Btuh)	AFUE%	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max. Fuse**
YSC - 208/230/3/60 - Three Phase - Low Heat											
3	YSC036G3*LB0000	14.0	37,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	19.9	30
4	YSC048G3*LB0000	14.0	49,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	25.4	30
5	YSC060G3*LB0000	14.0	60,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	28.2	40
YSC - 460/3/60 - Three Phase - Low Heat											
3	YSC036G4*LB0000	14.0	37,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	9.5	15
4	YSC048G4*LB0000	14.0	49,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	11	15
5	YSC060G4*LB0000	14.0	60,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	12	15
YSC - 575/3/60 - Three Phase - Low Heat											
3	YSC036GW*LB0000	14.0	37,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	7.6	15
4	YSC048GW*LB0000	14.0	49,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	9.4	15
5	YSC060GW*LB0000	14.0	60,000	56,000/80,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	9.9	15
YSC - 208/230/3/60 - Three Phase - Medium Heat											
3	YSC036G3*MB0000	14.0	37,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	19.9	30
4	YSC048G3*MB0000	14.0	49,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	25.4	30
5	YSC060G3*MB0000	14.0	60,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	28.2	40
YSC - 460/3/60 - Three Phase - Medium Heat											
3	YSC036G4*MB0000	14.0	37,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	9.5	15
4	YSC048G4*MB0000	14.0	49,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	11	15
5	YSC060G4*MB0000	14.0	60,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	12	15
YSC - 575/3/60 - Three Phase - Medium Heat											
3	YSC036GW*MB0000	14.0	37,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	7.6	15
4	YSC048GW*MB0000	14.0	49,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	9.4	15
5	YSC060GW*MB0000	14.0	60,000	70,000/100,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	9.9	15
YSC - 208/230/3/60 - Three Phase - High Heat											
3	YSC036G3*HB0000	14.0	37,000	84,000/120,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	19.9	30
4	YSC048G3*HB0000	14.0	49,000	91,000/130,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	25.4	30
5	YSC060G3*HB0000	14.0	60,000	105,000/150,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	28.2	40
YSC - 460/3/60 - Three Phase - High Heat											
3	YSC036G4*HB0000	14.0	37,000	84,000/120,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	9.5	15
4	YSC048G4*HB0000	14.0	49,000	91,000/130,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	11	15
5	YSC060G4*HB0000	14.0	60,000	105,000/150,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	12	15
YSC - 575/3/60 - Three Phase - High Heat											
3	YSC036GW*HB0000	14.0	37,000	84,000/120,000	82	41 x 44 x 69	16 x 15.5	24 x 14	577	7.6	15
4	YSC048GW*HB0000	14.0	49,000	91,000/130,000	82	41 x 44 x 69	16 x 15.5	24 x 14	598	9.4	15
5	YSC060GW*HB0000	14.0	60,000	105,000/150,000	82	41 x 44 x 69	16 x 15.5	24 x 14	627	9.9	15

① Downflow Airflow/Horizontal Airflow

* Digit 9-E=Electromechanical or R=ReliaTel™.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Gas/Electric Convertible 6-10 Tons, High Efficiency, R-410A

Table LPG-5-A — Base Unit — High Efficiency — Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance IEER	Cooling Capacity (Btuh)	Heating Output ^① Capacity (Btuh)	AFUE%	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max. Fuse**
YHC - 208/230/3/60 - Three Phase - Low Heat											
6	YHC072F3*LA0000	14.5	72,000	64,800	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	33.9	50
6	YHC074F3*LA0000	15.5	73,000	64,800	81	47 x 53 x 88	33 x 17.5	32 x 17.5	1114	37.4	50
7 ½	YHC092F3*LA0000	14.5	92,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	41.9	50
8 ½	YHC102F3*LA0000	14.7	103,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	42.0	50
10	YHC120F3*LA0000	14.7	119,000	120,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	50.3	60
YHC - 460/3/60 - Three Phase - Low Heat											
6	YHC072F4*LA0000	14.5	72,000	64,800	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	16.3	25
6	YHC074F4*LA0000	15.5	73,000	64,800	81	47 x 53 x 88	33 x 17.5	32 x 17.5	1114	18.7	25
7 ½	YHC092F4*LA0000	14.5	92,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
8 ½	YHC102F4*LA0000	14.7	103,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
10	YHC120F4*LA0000	14.7	119,000	120,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	24.9	30
YHC - 575/3/60 - Three Phase - Low Heat											
6	YHC072FW*LA0000	14.5	72,000	64,800	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	12.7	15
7 ½	YHC092FW*LA0000	15.5	92,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	15.6	20
8 ½	YHC102FW*LA0000	14.5	103,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	16.5	20
10	YHC120FW*LA0000	14.7	119,000	120,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	16.4	20
YHC - 208/230/3/60 - Three Phase - Medium Heat											
6	YHC072F3*MA0000	14.5	72,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	33.9	50
6	YHC074F3*MA0000	15.5	73,000	97,200	81	47 x 53 x 88	33 x 17.5	32 x 17.5	1114	37.4	50
7 ½	YHC092F3*MA0000	14.5	92,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	41.9	50
8 ½	YHC102F3*MA0000	14.7	103,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	42.0	50
10	YHC120F3*MA0000	14.7	119,000	160,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	50.3	60
YHC - 460/3/60 - Three Phase - Medium Heat											
6	YHC072F4*MA0000	14.5	72,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	16.3	25
6	YHC074F4*MA0000	15.5	73,000	97,200	81	47 x 53 x 88	33 x 17.5	32 x 17.5	1114	18.7	25
7 ½	YHC092F4*MA0000	14.5	92,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
8 ½	YHC102F4*MA0000	14.7	103,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
10	YHC120F4*MA0000	14.7	119,000	160,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	24.9	30
YHC - 575/3/60 - Three Phase - Medium Heat											
6	YHC072FW*MA0000	14.5	72,000	96,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	12.7	15
7 ½	YHC092FW*MA0000	15.5	92,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	15.6	20
8 ½	YHC102FW*MA0000	14.5	103,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	16.5	20
10	YHC120FW*MA0000	14.7	119,000	160,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	16.4	20
YHC - 208/230/1/60 - Single Phase - High Heat											
6	YHC072F3*HA0000	14.5	72,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	33.9	50
6	YHC074F3*HA0000	15.5	73,000	121,500/85,050	81	47 x 53 x 88	33 x 17.5	32 x 17.5	1114	37.4	50
7 ½	YHC092F3*HA0000	14.5	92,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	41.9	50
8 ½	YHC102F3*HA0000	14.7	103,000	160,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	42.0	50
10	YHC120F3*HA0000	14.7	119,000	200,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	50.3	60
YHC - 208/230/3/60 - Three Phase - High Heat											
6	YHC072F4*HA0000	14.5	72,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	16.3	25
6	YHC074F4*HA0000	15.5	73,000	121,500/85,050	81	47 x 53 x 88	33 x 17.5	32 x 17.5	1114	18.7	25
7 ½	YHC092F4*HA0000	14.5	92,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
8 ½	YHC102F4*HA0000	14.7	103,000	160,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	19.9	25
10	YHC120F4*HA0000	14.7	119,000	200,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	24.9	30
YHC - 575/3/60 - Three Phase - High Heat											
6	YHC072FW*HA0000	14.5	72,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	997	12.7	15
7 ½	YHC092FW*HA0000	15.5	92,000	120,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	15.6	20
8 ½	YHC102FW*HA0000	14.5	103,000	160,000	80	47 x 53 x 88	33 x 17.5	32 x 17.5	1124	16.5	20
10	YHC120FW*HA0000	14.7	119,000	200,000	80	51 x 63 x 100	33 x 17.5	32 x 17.5	1563	16.4	20

① Downflow Airflow/Horizontal Airflow

* Digit 9-E=Electromechanical or R=ReliaTel™.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections,
 installation instructions and warranty information,
 please refer to Product Data/Ratings and/or Installers
 Guides and Limited Warranty Handbooks.

Packaged Gas/Electric Convertible 6-10 Tons, R-410A

Table LPG-6-A — Base Unit — Standard Efficiency — Electromechanical or ReliaTel™

Tons	Unit Ordering No.	Performance ^② IEER	Cooling Capacity (Btuh)	Heating Output ^① Capacity (Btuh)	AFUE%	Cabinet Dimensions (in.) H x W x L	Downflow Supply	Downflow Return	Shipping Weight (lbs.)	MCA**	Max. Fuse**
YSC –208-230/3/60 – Three Phase – Low Heat											
6	YSC072F3*LA0000	13.0	75,000	64,800	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	36.5	50
7½	YSC090F3*LA0000	12.2	89,000	96,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	38.2	60
7½	YSC092F3*LA0000	13.0	94,000	97,200	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	41.2	50
8½	YSC102F3*LA0000	12.8	102,000	97,200	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	46.3	60
10	YSC120F3*LA0000	13.0	118,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	49.6	60
YSC –460/3/60 – Three Phase – Low Heat											
6	YSC072F4*LA0000	13.0	75,000	64,800	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	18.2	25
7½	YSC090F4*LA0000	12.2	89,000	96,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	19.5	30
7½	YSC092F4*LA0000	13.0	94,000	97,200	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	21.5	25
8½	YSC102F4*LA0000	12.8	102,000	97,200	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	21.9	25
10	YSC120F4*LA0000	13.0	118,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	22.7	35
YSC –575/3/60 – Three Phase – Low Heat											
6	YSC072FW*LA0000	13.0	75,000	64,800	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	12.7	20
7½	YSC090FW*LA0000	12.2	89,000	96,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	14.7	20
7½	YSC092FW*LA0000	13.0	94,000	97,200	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	15.0	20
8½	YSC102FW*LA0000	12.8	102,000	97,200	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	17.5	20
10	YSC120FW*LA0000	13.0	118,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	18.9	25
YSC –208-230/3/60 – Three Phase – Medium Heat											
6	YSC072F3*MA0000	13.0	75,000	97,200	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	36.5	50
7½	YSC090F3*MA0000	12.2	89,000	120,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	38.2	60
7½	YSC092F3*MA0000	13.0	94,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	41.2	50
8½	YSC102F3*MA0000	12.8	102,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	46.3	60
10	YSC120F3*MA0000	13.0	118,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	49.6	60
YSC –460/3/60 – Three Phase – Medium Heat											
6	YSC072F4*MA0000	13.0	75,000	97,200	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	18.2	25
7½	YSC090F4*MA0000	12.2	89,000	120,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	19.5	30
7½	YSC092F4*MA0000	13.0	94,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	21.5	25
8½	YSC102F4*MA0000	12.8	102,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	21.9	25
10	YSC120F4*MA0000	13.0	118,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	22.7	35
YSC –575/3/60 – Three Phase – Medium Heat											
6	YSC072FW*MA0000	13.0	75,000	97,200	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	12.7	20
7½	YSC090FW*MA0000	12.2	89,000	120,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	14.7	20
7½	YSC092FW*MA0000	13.0	94,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	15.9	20
8½	YSC102FW*MA0000	12.8	102,000	121,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	17.5	20
10	YSC120FW*MA0000	13.0	118,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	18.9	25
YSC –208-230/3/60 – Three Phase – High Heat											
6	YSC072F3*HA0000	13.0	75,000	121,500	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	36.5	50
7½	YSC090F3*HA0000	12.2	89,000	160,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	38.2	60
7½	YSC092F3*HA0000	13.0	94,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	41.2	50
8½	YSC102F3*HA0000	12.8	102,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	46.3	60
10	YSC120F3*HA0000	13.0	118,000	205,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	49.6	60
YSC –460/3/60 – Three Phase – High Heat											
6	YSC072F4*HA0000	13.0	75,000	121,500	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	18.2	25
7½	YSC090F4*HA0000	12.2	89,000	160,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	19.5	30
7½	YSC092F4*HA0000	13.0	94,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	21.5	25
8½	YSC102F4*HA0000	12.8	102,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	21.9	25
10	YSC120F4*HA0000	13.0	118,000	205,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	22.7	35
YSC –575/3/60 – Three Phase – High Heat											
6	YSC072FW*HA0000	13.0	75,000	121,500	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	936	12.7	20
7½	YSC090FW*HA0000	12.2	89,000	160,000	80	41 x 53 x 89	33 x 17.5	32.13 x 17.5	916	14.7	20
7½	YSC092FW*HA0000	13.0	94,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1059	15.9	20
8½	YSC102FW*HA0000	12.8	102,000	162,000	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1096	17.5	20
10	YSC120FW*HA0000	13.0	118,000	205,500	80	47 x 53 x 89	33 x 17.5	32.13 x 17.5	1156	18.9	25

Note: YSC090 and YSC102 units do not meet 2018 DOE requirements and will be sold while supplies last.

① Downflow Airflow/Horizontal Airflow

② SEER applies, 3-5 tons; EER applies 6-10 tons.

* Digit 9-E=Electromechanical or R=ReliaTel™.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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Packaged Gas/Electric Convertible 3-10 Tons (Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1-8	Main Assembly (see previous page)		20	Convenience Outlet	
9	Unit Controls			No Convenience Outlet0	
	ElectromechanicalE			Unpowered Convenience OutletA	
	ReliaTel™ Micro-processorR			Powered Convenience Outlet (three-phase only)⑨.....B	
10	Heating Capacity		21	Communications Options③	
	Low.....L			No Communications Interface0	
	Medium.....M			Novar 2024 Controls③.....3	
	High.....H			Novar 3051 Controls without Zone Sensor③.....4	
	Low - Stainless Steel Heat ExchangerX			Novar 3051Controls Interface with DCV③.....5	
	Medium - Stainless Steel Heat ExchangerY			BACnet™ Communications Interface6	
	High - Stainless Steel Heat ExchangerZ		22	Refrigeration System Option	
11	Minor Design Sequence			Standard Refrigeration System⑩.....0	
	First SequenceA			Dehumidification Option②③③.....B	
12-13	Service Sequence		23	Refrigeration Controls	
	First Sequence (Factory assigned).....*,*			Note: Applicable to Digit 7 = E, F	
14	Fresh Air Selection			No Refrigeration Control⑤.....0	
	No Fresh Air0			Frostat⑪②⑨.....1	
	Manual Outside Air Damper 0-50%④.....A			Crankcase Heater②.....2	
	Motorized Outside Air Damper 0-50%②⑨.....B			Frostat⑪②⑨ and Crankcase Heater②.....3	
	Economizer, Dry Bulb 0-100% without		24	Smoke Detector①⑦	
	Barometric Relief⑦.....C			No Smoke Detector.....0	
	Economizer, Dry Bulb 0-100% with Barometric Relief⑦.....D			Return Air Smoke Detector⑫⑬.....A	
	Economizer, Reference Enthalpy 0-100% without			Supply Air Smoke Detector.....B	
	Barometric Relief③⑦.....E			Supply and Return Air Smoke Detectors⑫⑬.....C	
	Economizer, Reference Enthalpy 0-100% with			Plenum Smoke Detector.....D	
	Barometric Relief③⑦.....F		25	System Monitoring Controls	
	Economizer, Comparative Enthalpy 0-100%			No Monitoring Control⑭.....0	
	without Barometric Relief③⑦.....G			Clogged Filter Switch⑭.....1	
	Economizer, Comparative Enthalpy 0-100%			Fan Failure Switch⑭.....2	
	with Barometric Relief③⑦.....H			Discharge Air SensingTube⑭.....3	
	Low Leak Economizer, Dry Bulb			Clogged Filter Switch and Fan Failure Switch⑭.....4	
	with Barometric Relief.....K			Clogged Filter Switch and Discharge Air SensingTube⑭.....5	
	Low Leak Economizer, Comparative Enthalpy			Fan Failure Switch and Discharge Air SensingTube⑭.....6	
	with Barometric Relief.....M			Clogged Filter Switch, Fan Failure Switch and	
	Low Leak Economizer, Reference Enthalpy			Discharge Air SensingTube⑭.....7	
	with Barometric Relief.....P			Novar Return Air Sensor (NOVAR 2024)⑤③.....8	
15	Supply Fan/Drive Type/Motor			Novar ZoneTemp Sensor (NOVAR 3051)⑤③.....9	
	Standard Drive⑥.....0			Condensate Drain Pan Overflow Switch.....A	
	Oversized Motor.....1			Clogged Filter Switch⑭ and Condensate Drain	
	Optional Belt Drive Motor⑩.....2			Pan Overflow Switch.....B	
	Single Zone VAV②⑨.....6			Fan Failure Switch⑭ and Condensate Drain	
	Multi-Speed Indoor Fan⑦.....7			Pan Overflow Switch.....C	
	VAV Supply Air Temperature Control Standard Motor③.....E			Discharge Air Sensing⑭ and Condensate Drain	
16	Hinged Service Access/Filters			Pan Overflow Switch.....D	
	Standard Panels/Standard Filters.....0			Clogged Filter Switch⑭, Fan Failure Switch⑭	
	Hinged Access Panels/Standard FiltersA			and Condensate Drain Pan Overflow SwitchE	
	Standard Panels/2" MERV 8 FiltersB			Clogged Filter Switch⑭, Discharge Air SensingTube⑭	
	Hinged Access Panels/2" MERV 8 Filters.....C			and Condensate Drain Pan Overflow SwitchF	
	Standard Panels/2" MERV 13 FiltersD			Fan Failure Switch, Discharge Air SensingTube⑭ and	
	Hinged Access Panels/2" MERV 13 Filters.....E			Condensate Drain Pan Overflow Switch.....G	
17	Condenser Coil Protection			Clogged Filter Switch⑭, Fan Failure Switch⑭,	
	Standard Coil.....0			Discharge Air Sensing⑭ and Condensate	
	Standard Coil with Hail Guard1			Drain Pan Overflow Switch.....H	
	Black Epoxy Pre-Coated Condenser Coil②⑤.....2		26	System Monitoring Controls	
	Black Epoxy Pre-Coated Condenser Coil with			No Monitoring Controls.....0	
	Hail Guard②⑤.....3			Demand Control Ventilation (CO ₂)③③.....A	
	CompleteCoat™ Condenser Coil4			Fault Detection and Diagnostics (FDD)B	
	CompleteCoat™ Condenser Coil with Hail Guard.....5			Fault Detection and Diagnostics (FDD)	
18	Through the Base Provisions			with Demand Control VentilationC	
	Note: Applicable to Digit 1, T or Y models		27	Unit Hardware Enhancements	
	No Through-the-Base Provisions0			No Enhancements.....0	
	Through-the-Base Electric⑥.....A			Stainless Steel Drain Pan.....1	
	Note: Applicable to Digit 1, Y models only		31	Advanced Unit Controls	
	Through-the-Base Gas Piping⑥.....B			Standard Unit Controls0	
	Through-the-Base Electric and Gas Piping⑥.....C			Human Interface.....1	
19	Disconnect/Circuit Breaker (three-phase only)				
	No Disconnect/No Circuit Breaker.....0				
	Unit Mounted Non-Fused Disconnect⑥.....1				
	Unit Mounted Circuit Breaker⑥.....2				

See Footnotes ①-③ next page.

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Packaged Gas/Electric Convertible 3-10 Tons (Model Digit Numbers)

- ① Available on 3-5 Ton models.
- ② Standard on 4-5 Ton E3,4,W and 6-10 Ton Heat Pumps and all High Efficiency models.
- ③ Not available with electromechanical controls.
- ④ Manual outside air damper will ship factory supplied within the unit, but must be field installed.
- ⑤ High pressure control is standard on all units.
- ⑥ On 3-5 ton, multispeed direct drive is standard on single phase and 15 SEER. On 6-10 ton, multispeed direct drive is standard on all 10 ton and 7.5-8.5 ton high efficiency. Belt drive is standard on all other units.
- ⑦ Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.
- ⑧ Through the base electric required when ordering disconnect/circuit breaker options.
- ⑨ Requires use of Disconnect or Circuit Breaker.

Digit 15 = 0**Standard Efficiency**

1 Phase = High Efficiency Multispeed Direct Drive Motor

3 Phase (3-8½ Ton) = Belt Drive

3 Phase (10 Ton) = Ultra High Efficiency Direct Drive Plenum Fan

High Efficiency

1 Phase = High Efficiency Multispeed Direct Drive Motor

3 Phase (3-5 ton) = High Efficiency Multispeed Direct Drive Motor

3 Phase (3-5 ton w/Dehumidification) = Belt Drive Motor

3 Phase (7½-10 ton) = Ultra High Efficiency Direct Drive Plenum Fan

Not Available

Standard Efficiency: 10 Ton w/575V

High Efficiency: 3-5 ton w/Standard Indoor Motor w/460V

- ⑩ Standard metering devices are TXVs.
- ⑪ Froststat cannot be field installed in electro-mechanical units.
- ⑫ The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.
- ⑬ Return Air Smoke Detector cannot be ordered with Novar Controls.
- ⑭ These options are standard when ordering Novar Controls.
- ⑮ This option is used when ordering Novar Controls.
- ⑯ Includes gas piping and shutoff (field assembly required).
- ⑰ Not available with high temperature duct sensor accessory.
- ⑱ Digit 15 = 2
- ⑲ Novar Sensor utilized with Digit 21 = (4) Novar 3051 Controls without Zone Sensor.
- ⑳ Available for T/Y 10 ton standard efficiency models only.
- ㉑ Available for T/Y 3, 4, 5, 6, 7½, 8½ ton standard/high efficiency models only.
- ㉒ Requires selection of 2" Pleated Filters (option B or C) for Digit 16.
- ㉓ Not available on 6 ton units and all single phase or standard efficiency.
- ㉔ Standard on T/YSC 6, 7½ (single and dual systems), 8½, 10 ton standard efficiency models and T/YHC 4, 5, 6, 7½ ton high efficiency models (except for dehumidification models).
- ㉕ Epoxy coil and epoxy with hailguard options are not available for units with microchannel condenser coil.
- ㉖ Single Zone VAV is only available on 7.5-10 ton high efficiency and 10 ton standard efficiency products with ReliaTel™ controls.
- ㉗ Multi-speed indoor fan available only on 7.5 & 8.5 ton high efficiency, and 10 ton products with ReliaTel™ controls.
- ㉘ Motorized Outside Air Damper is not available on Multi-Speed or SZVAV (Single Zone Variable Air Volume) products.
- ㉙ Froststat standard on Multi-Speed and SZVAV (Single Zone Variable Air Volume) products.
- ㉚ Novar is not available with SZVAV products.
- ㉛ Demand Control Ventilation not available with electromechanical controls.
- ㉜ Demand Control Ventilation Option includes wiring only. The CO₂ sensor is a field-installed only option.
- ㉝ When ordering Dehumidification option, digit #7 will revert back to E, not F.

Packaged Gas/Electric Convertible 3-10 Tons Accessories

Table LPG-9-A — Accessories

Model Number	Description	Used With ^⑪
BAYABRD001C ^③	ReliaTel™ Options Module.....	All Y*C036-120*
BAYASCT001C ^{⑦⑧}	Anti-Short-Cycle Timer.....	All Y*C036-120* w/ Electro Mechanical
BAYBARM010A ^⑨	Barometric Relief	YSC036, YHC036, YHC037
BAYBARM011A ^⑨	Barometric Relief	YSC048-120, YHC047-120
BAYBCIR001A.....	BACnet™ Communication Interface	All Y*C036-120* w/ ReliaTel™
BAYCURB042A ^②	Roof Curb.....	YSC036-060, YHC036, YHC037
BAYCURB043A ^②	Roof Curb.....	YSC072-120, YHC047-102
BAYCURB044A.....	Roof Curb.....	YHC120F
BAYDFPS003B ^{③⑥}	Clogged Filter Switch	All Y*C036-120*
BAYDFPS014A.....	Clogged Filter Switch (MERV 13 Filter.....	All Y*C036-120*
BAYDFPS004 ^{③⑥}	Fan Failure Switch.....	All Y*C036-120*
BAYDMPR053B0.....	0-50% Manual Outside Air Damper	YSC036, YHC036, YHC037
BAYDMPR056B0.....	0-50% Manual Outside Air Damper	YSC048-120, YHC047-120
BAYDMPR051A ^③	0-50% Motorized Outside Air Damper	YSC036, YHC036, YHC037 (ReliaTel™)
BAYDMPR052B ^⑦	0-50% Motorized Outside Air Damper	YSC036, YHC036 (Electro Mechanical)
BAYDMPR054A ^③	0-50% Motorized Outside Air Damper	YSC048-120, YHC047-120 (ReliaTel™)
BAYDMPR055B ^⑦	0-50% Motorized Outside Air Damper	YSC048-120, YHC048-120 (Electro Mechanical)
BAYECON085A ^③	0-100% Dry Bulb Economizer.....	YSC036, YHC036, YHC037 (ReliaTel™)
BAYECON086B ^⑦	0-100% Dry Bulb Economizer.....	YSC036-060, YHC036 (Electro Mechanical)
BAYECON087A ^③	0-100% Dry Bulb Economizer.....	YSC048-120, YHC047-120 (ReliaTel™)
BAYECON088B ^⑦	0-100% Dry Bulb Economizer.....	YSC048-120, YHC048-120 (Electro Mechanical)
BAYECON704A.....	Downflow Low Leak Economizer	YSC048-120, YHC047-120 (ReliaTel™)
BAYECON705B.....	Downflow Low Leak Economizer	YSC036, YHC036, YHC037 (ReliaTel™)
BAYENTH300A.....	Reference Enthalpy Kit (Solid State	BAYECON086A, 088A (Electro-Mechanical)
BAYENTH301A.....	Comparative Enthalpy Kit (Solid State	BAYECON086A, 088A (Electro-Mechanical)
BAYENTH005A ^①	Reference Enthalpy Kit.....	BAYECON085A, 087A (ReliaTel™)
BAYENTH006B ^①	Comparative Enthalpy Kit.....	BAYECON086A, 087A (ReliaTel™)
BAYFRST003A ^{③④}	High Temperature Stat	All Y*C036-120*
BAYGARD037C.....	Condenser Coil Hail Guard	YHC036, YHC037
BAYGARD040C.....	Condenser Coil Hail Guard	YSC072-090, YHC047-067
BAYGARD041C.....	Condenser Coil Hail Guard	YSC092-120
BAYGARD070A.....	Condenser Coil Hail Guard	YHC120
BAYGARD137A.....	Condenser Coil Hail Guard	YSC036-060
BAYGARD141A.....	Condenser Coil Hail Guard	YHC072-102
BAYHAKT011A.....	High Altitude Kit	YSC036-060G
BAYHAKT010E.....	High Altitude Kit	YSC072-120, YHC036-120

① Kits contain all necessary parts to achieve desired level of enthalpy control.

② Lynn Haven Manufacturing has a No-Return policy for this roof curb.

③ For use with ReliaTel™ controlled units only.

④ Cannot be used in conjunction with factory installed Smoke Detector option.

⑤ Installs in ductwork for horizontal configuration. For downflow configuration, it installs in the unit's horizontal return duct. See Installer's Guide for more information.

⑥ BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE004A or BAYTUBE005A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. **These factory installed options include the ReliaTel™ Options Module.**

⑦ Electromechanical controlled units only

⑧ Activated on Power on.

⑨ Field installed accessory. Requires an economizer.

⑩ The manual outside air damper will ship factory supplied within the unit, but must be field installed.

⑪ A=R-22, E=410A

Packaged Gas/Electric Convertible 3-10 Tons Accessories

Table LPG-10-A — Accessories

Model Number	Description	Used With®
BAYHSMT082A	2 HP Oversized motor kit (208-230/460V	YSC072F3, 4
BAYHSMT083A	2 HP Oversized motor kit (575V	YSC072FW
BAYHSMT402A	2 HP Oversized motor kit	YHC072F3, 4
BAYHSMT086A	3 HP Oversized motor kit (208-230/460V	YSC090-102F3, 4
BAYHSMT087A	3 HP Oversized motor kit (575V	YSC090-102FW
BAYLSDR009A.....	Low Static Drive Kit.....	YHC072F
BAYHSDR012A	High Static Drive Kit.....	YSC072F
BAYLMSW001A®.....	Power Exhaust Limit Switch.....	All Y*C036-120*
BAYLOAM020B1®	Evaporator Defrost Control (Froststat).....	YHC036-067E*R,
BAYLOAM120A	Evaporator Defrost Control (Froststat).....	YSC036-060G*R (ReliaTel™)
BAYLTIC002B④	LonTalk® Communications Interface (LCI)	All Y*C036-120*, R (ReliaTel™)
BAYLPKT029D	LP Conversion Kit	YSC036-060*L/M/H, YSC072*H, YSC090-102*M/H, YSC120*L/M/H, YHC072*H, YHC092-102*M/H, YHC120*L/M/H
BAYLPKT050C	LP Conversion Kit	YSC072*L/M, YSC090-102*L, YHC036-0060*L/M/H, YHC072*L/M, YHC0992-102*L
BAYPWRX026A.....	Power Exhaust (208-230/3 VAC.....	YSC072-120*3, YHC047-120*3
BAYPWRX027A.....	Power Exhaust (460/3 VAC.....	YSC072-120*4, YHC047-120*4
BAYPWRX028A.....	Power Exhaust (575/3 VAC.....	YSC072-120*W, YHC047-120*W
BAYPWRX070A.....	Power Exhaust (208-230/3 VAC.....	YSC036-060*3, YHC036*3, YHC037*3
BAYPWRX071A.....	Power Exhaust (460/3 VAC.....	YSC036-060*4, YHC036*4, YHC037*4
BAYPWRX072A.....	Power Exhaust (575/3 VAC.....	YSC036-060*W
BAYQACB009A②⑤.....	Quick Adapt Roof Curb	YSC036-060, YHC036, YHC037
BAYQACB010A②⑤.....	Quick Adapt Roof Curb	YSC036-060, YHC036, YHC037
BAYQACB011A②⑦.....	Quick Adapt Roof Curb	YSC072-120, YHC047-102
BAYQACB012A②⑦.....	Quick Adapt Roof Curb	YSC072-120, YHC047-102
BAYQACB013A②⑦.....	Quick Adapt Roof Curb	YSC072-120, YHC047-102
BAYRTEM001A②.....	Fully Featured ReliaTel™ Economizer Logic Model ...	All Y*C036-120*
BAYSENS016A④.....	Temperature Sensor	All Y*C036-120*
BAYSENS250A3®.....	CO2 Duct Mounted, Sensor Only	All Y*C036-120*, R (ReliaTel™)
BAYSENS251A3®.....	CO2 Wall Mounted, Sensor Only	All Y*C036-120*, R (ReliaTel™)
BAYSERV001A④.....	Selective Resistance Service Tester	All Y*C036-120*
BAYSTAT0234	Remote Potentiometer	All Y*C036-120*
BAYTUBE004A②④⑤.....	Discharge Air Sensing Kit	YHC036-037*R
BAYTUBE006A②④⑤.....	Discharge Air Sensing Kit	YSC072-102*R, YHC047-072*R
BAYTUBE104A.....	Discharge Air Sensing Kit	YSC036-060*R
BAYTUBE400A.....	Discharge Air Sensing Kit	YSC120*R
BAYTUBE402A.....	Discharge Air Sensing Kit	YHC120*R
BAYVNOR001B④⑥⑨.....	Ventilation Override Kit	All Y*C036-120*

① For use with ReliaTel™ microprocessor controlled units only. Must be factory installed for Electromechanical controlled units.

② Used for true discharge air sensing in both heating and cooling. Required for supply air tempering.

③ Lynn Haven Manufacturing has a No-Return policy for this roof curb.

④ For use with ReliaTel™ controlled units only.

⑤ BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE004A or BAYTUBE005A) or Evaporator Defrost Control (Froststat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Froststat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. **These factory installed options include the ReliaTel™ Options Module.**

⑥ BAYQACB009A adapts Voyager BAYCURB021B to accept Precedent 3-5 ton unit. BAYQACB010A adapts Voyager BAYCURB022B to accept Precedent 3-5 ton unit. BAYQACB012A adapts Voyager BAYCURB025B to accept Precedent 6-10 ton unit. BAYQACB013A adapts Voyager BAYCURB026B to accept Precedent 6-10 ton unit. BAYQACB011A adapts Voyager BAYCURB022B to accept Precedent 6-10 ton unit.

⑦ Interface allows 3-10 ton units with ReliaTel™ Controls to communicate with Tracer 100, Tracker, VariTrac II, and is the preferred method of communication to Tracer Summit.

⑧ Power Exhaust cannot be used with Barometric Relief. Order Economizer without Barometric Relief.

⑨ Field installed accessory. Requires an economizer.

⑩ A=R-22, E=410A

⑪ When ordering a field installed power exhaust on a unit with electromechanical controls, BAYLMSW001A must be ordered.

⑫ If any version of comparative or reference enthalpy is ordered, BAYRTEM001A does not need to be ordered.

⑬ Order only when unit has factory installed Demand Control Ventilation option.

Packaged Gas/Electric Convertible 3-10 Tons, R-410A Zone Sensors / Thermostats

Table LPG-11-A — Zone Sensors for ReliaTel™ Controlled Units

Model Number	Description	Used With
ASYSTAT106A	Single Setpoint Manual Changeover	Y*C036-120*, R
ASYSTAT107A	Single Setpoint Y*C036-120*, R	
ASYSTAT108A	Dual Setpoint Manual or Auto Changeover	Y*C036-120*, R
ASYSTAT109A	Dual Setpoint Changeover Sensor	Y*C036-120*, R
ASYSTAT111A	Remote Room Sensor Y*C036*120*, R	
ASYSTAT777A	Programmable Night Setback w/System Function Lights (Vertical Style)	Y*C036-120*, R
ASYSTAT708A	Programmable Night Setback w/System Function Lights	Y*C036-120*, R
ASYSTAT710A	Wall Mounted Humidity Sensor	Y*C036-120*
ASYSTAT711A	Duct Mounted Humidity Sensor	Y*C036-120*
BAYMTPL110A	Retrofit Wall Cover Plate Kit 7.25" x 6.0"	ASYSTAT666C
BAYSENS924A	Title 24 Zone Sensor ^①	All

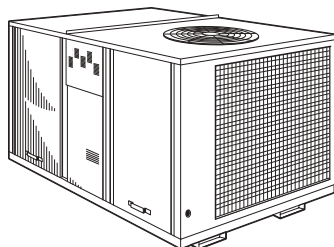
^① Must be used with ReliaTel™ Control and BCI Communications Interface.

Read Only

**For additional Controls Information:
 See ReliaTel™ and Micro Control features on LPC-12 and LPC-13.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-410A



12½ - 25 Ton YHD-G — Downflow
12½ - 25 Ton YHH-G — Horizontal

- Scroll compressors on all units
 - **ReliaTel™** control features are listed on page LPC-12
 - Operating charge of R-410A
 - Built-in anti-short cycle timer, time delay relay and minimum on time controls
 - Low Ambient to 0°F standard
 - High efficiency drum and tube heat exchanger (12½ - 25 tons)
 - Color coded and numbered wiring
 - 2" throwaway filters
 - Simple U-shaped airflow pattern results in very low airside energy requirement
 - Quick-Access doors and single side access
- make servicing much faster for lower maintenance costs
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly
 - High efficiency gas heat with hot surface ignition for low heating energy costs, low maintenance and high reliability
 - Sloped sheet metal drain pans
 - **5-year limited compressor warranty (12 ½ - 25 tons)**
 - **5-year limited heat exchanger warranty (12 ½ - 17 ½ tons)**
 - **1-year limited warranty (20 - 25 tons)**

Table LPG-12-A — High Efficiency ReliaTel™ Units (R-410A)

Tons	Unit Model No	Power Supply Volts/Phase/Hz	Performance IEER ^①	Cooling Capacity (Btuh)	Heating Output Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA**	Max Fuse Size or Max Circuit Breaker**	Downflow ^①	Roofcurb
YH* - Three Phase Low Heat											
12½	YH*150G3RLB0000	208-230/3/60	13.5	144,000	120,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2691	65	90	BAYCURB027B	
15	YH*180G3RLB0000	208-230/3/60	14.0	174,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2660	68	90	BAYCURB027B	
17½	YH*210G3RLB0000	208-230/3/60	13.0	204,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2619	86	110	BAYCURB027B	
20	YH*240G3RLB0000	208-230/3/60	12.4	234,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2690	99	125	BAYCURB027B	
25	YH*300G3RLB0000	208-230/3/60	12.4	274,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2719	121	150	BAYCURB027B	
12½	YH*150G4RLB0000	460/3/60	13.5	144,000	120,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2691	30	40	BAYCURB027B	
15	YH*180G4RLB0000	460/3/60	14.0	174,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2660	33	45	BAYCURB027B	
17½	YH*210G4RLB0000	460/3/60	13.0	204,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2619	43	60	BAYCURB027B	
20	YH*240G4RLB0000	460/3/60	12.4	234,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2690	46	60	BAYCURB027B	
25	YH*300G4RLB0000	460/3/60	12.4	274,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2719	57	70	BAYCURB027B	
12½	YH*150GWRLB0000	575/3/60	13.5	144,000	120,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2691	24	30	BAYCURB027B	
15	YH*180GWRLB0000	575/3/60	14.0	174,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2660	26	35	BAYCURB027B	
17½	YH*210GWRLB0000	575/3/60	13.0	204,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2619	33	45	BAYCURB027B	
20	YH*240GWRLB0000	575/3/60	12.4	234,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2690	38	50	BAYCURB027B	
25	YH*300GWRLB0000	575/3/60	12.4	274,000	200,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2719	44	50	BAYCURB027B	
YH* - Three Phase High Heat											
12½	YH*150G3RHB0000	208-230/3/60	13.5	144,000	200,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2691	65	90	BAYCURB027B	
15	YH*180G3RHB0000	208-230/3/60	14.0	174,000	280,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2660	68	90	BAYCURB027B	
17½	YH*210G3RHB0000	208-230/3/60	13.0	204,000	280,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2619	86	110	BAYCURB027B	
20	YH*240G3RHB0000	208-230/3/60	12.4	234,000	320,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2690	99	125	BAYCURB027B	
25	YH*300G3RHB0000	208-230/3/60	12.4	274,000	320,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2719	121	150	BAYCURB027B	
12½	YH*150G4RHB0000	460/3/60	13.5	144,000	200,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2691	30	40	BAYCURB027B	
15	YH*180G4RHB0000	460/3/60	14.0	174,000	280,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2660	33	45	BAYCURB027B	
17½	YH*210G4RHB0000	460/3/60	13.0	204,000	280,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2619	43	60	BAYCURB027B	
20	YH*240G4RHB0000	460/3/60	12.4	234,000	320,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2690	46	60	BAYCURB027B	
25	YH*300G4RHB0000	460/3/60	12.4	274,000	320,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2719	57	70	BAYCURB027B	
12½	YH*150GWRHB0000	575/3/60	13.5	144,000	200,000	54 x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2691	24	30	BAYCURB027B	
15	YH*180GWRHB0000	575/3/60	14.0	174,000	280,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2660	26	35	BAYCURB027B	
17½	YH*210GWRHB0000	575/3/60	13.0	204,000	280,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2619	33	45	BAYCURB027B	
20	YH*240GWRHB0000	575/3/60	12.4	234,000	320,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2690	38	50	BAYCURB027B	
25	YH*300GWRHB0000	575/3/60	12.4	274,000	320,000	64 ¹ / ₈ x 85 ⁵ / ₁₆ x 122 ⁵ / ₁₆	2719	44	50	BAYCURB027B	

① For Downflow units only.

② 278,000 in the Horizontal airflow configuration.

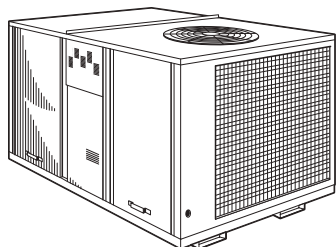
③ Downflow/Horizontal

* Digit 3 D=Downflow or H=Horizontal.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-410A



12½ - 25 Ton YSD-F — Downflow
12½ - 25 Ton YSH-F — Horizontal

- Scroll compressors on all units
- ReliaTel™ control features are listed on page LPC-12
- Operating charge of R-410A
- Built-in anti-short cycle timer, time delay relay and minimum on time controls
- Low Ambient to 0°F standard
- High efficiency drum and tube heat exchanger (12½ - 25 tons)
- Color coded and numbered wiring
- 2" throwaway filters
- Simple U-shaped airflow pattern results in very low airside energy requirement
- Quick-Access doors and single side access

make servicing much faster for lower maintenance costs

- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly
- High efficiency gas heat with hot surface ignition for low heating energy costs, low maintenance and high reliability
- Sloped sheet metal drain pans
- **5-year limited compressor warranty (12 ½ - 25 tons)**
- **5-year limited heat exchanger warranty (12 ½ - 17 ½ tons)**
- **1-year limited warranty (20 - 25 tons)**

Table LPG-13-A — Standard Efficiency ReliaTel™ Units (R-410A)

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance IEER	Capacity (Btuh)	Cooling Capacity (Btuh)	Heating Output Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA**	Max Fuse Size or Max Circuit Breaker**	Downflow ^① Roofcurb
YS* - Three Phase Low Heat										
12½	YS*150G3RLA0000	208-230/3/60	12.2	140,000	122,000	50½ x 71½ x 107½	1781	61	80	BAYCURB026B
15	YS*180G3RLA0000	208-230/3/60	12.2	176,000	203,000	54 x 85½ x 122½	2281	69	90	BAYCURB027B
17½	YS*210G3RLA0000	208-230/3/60	12.2	193,000	203,000	54 x 85½ x 122½	2292	77	100	BAYCURB027B
20	YS*240G3RLA0000	208-230/3/60	11.4	240,000	203,000	54 x 85½ x 122½	2353	105	125	BAYCURB027B
25	YS*300G3RLA0000	208-230/3/60	11.4	272,000	203,000	54 x 85½ x 122½	2337	112	150	BAYCURB027B
12½	YS*150G4RLA0000	460/3/60	12.2	140,000	122,000	50½ x 71½ x 107½	1781	29	40	BAYCURB026B
15	YS*180G4RLA0000	460/3/60	12.2	176,000	203,000	54 x 85½ x 122½	2281	36	50	BAYCURB027B
17½	YS*210G4RLA0000	460/3/60	12.2	193,000	203,000	54 x 85½ x 122½	2292	39	50	BAYCURB027B
20	YS*240G4RLA0000	460/3/60	11.4	240,000	203,000	54 x 85½ x 122½	2353	51	70	BAYCURB027B
25	YS*300G4RLA0000	460/3/60	11.4	272,000	203,000	54 x 85½ x 122½	2337	55	70	BAYCURB027B
12½	YS*150GWRLA0000	575/3/60	12.2	140,000	122,000	50½ x 71½ x 107½	1781	22	30	BAYCURB026B
15	YS*180GWRLA0000	575/3/60	12.2	176,000	203,000	54 x 85½ x 122½	2281	30	40	BAYCURB027B
17½	YS*210GWRLA0000	575/3/60	12.2	193,000	203,000	54 x 85½ x 122½	2292	34	45	BAYCURB027B
20	YS*240GWRLA0000	575/3/60	11.4	240,000	203,000	54 x 85½ x 122½	2353	43	60	BAYCURB027B
25	YS*300GWRLA0000	575/3/60	11.4	272,000	203,000	54 x 85½ x 122½	2337	45	60	BAYCURB027B
YS* - Three Phase High Heat										
12½	YS*150G3RHA0000	208-230/3/60	12.2	140,000	203,000	50½ x 71½ x 107½	1781	61	80	BAYCURB026B
15	YS*180G3RHA0000	208-230/3/60	12.2	176,000	284,000	54 x 85½ x 122½	2281	69	90	BAYCURB027B
17½	YS*210G3RHA0000	208-230/3/60	12.2	193,000	284,000	54 x 85½ x 122½	2292	77	100	BAYCURB027B
20	YS*240G3RHA0000	208-230/3/60	11.4	240,000	324,000	54 x 85½ x 122½	2353	105	125	BAYCURB027B
25	YS*300G3RHA0000	208-230/3/60	11.4	272,000	324,000	54 x 85½ x 122½	2337	112	150	BAYCURB027B
12½	YS*150G4RHA0000	460/3/60	12.2	140,000	203,000	50½ x 71½ x 107½	1781	29	40	BAYCURB026B
15	YS*180G4RHA0000	460/3/60	12.2	176,000	284,000	54 x 85½ x 122½	2281	36	50	BAYCURB027B
17½	YS*210G4RHA0000	460/3/60	12.2	193,000	284,000	54 x 85½ x 122½	2292	39	50	BAYCURB027B
20	YS*240G4RHA0000	460/3/60	11.4	240,000	324,000	54 x 85½ x 122½	2353	51	70	BAYCURB027B
25	YS*300G4RHA0000	460/3/60	11.4	272,000	324,000	54 x 85½ x 122½	2337	55	70	BAYCURB027B
12½	YS*150GWRHA0000	575/3/60	12.2	140,000	203,000	50½ x 71½ x 107½	1781	22	30	BAYCURB026B
15	YS*180GWRHA0000	575/3/60	12.2	176,000	284,000	54 x 85½ x 122½	2281	30	40	BAYCURB027B
17½	YS*210GWRHA0000	575/3/60	12.2	193,000	284,000	54 x 85½ x 122½	2292	34	45	BAYCURB027B
20	YS*240GWRHA0000	575/3/60	11.4	240,000	324,000	54 x 85½ x 122½	2353	43	60	BAYCURB027B
25	YS*300GWRHA0000	575/3/60	11.4	272,000	324,000	54 x 85½ x 122½	2337	45	60	BAYCURB027B

① For Downflow units only.

* Digit 3 D=Downflow or H=Horizontal.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Cooling with ReliaTel™

Controls 12½-25 Tons

(Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1	Unit Type		19	Disconnect Switch/Circuit Breaker	
	Packaged Cooling, Electric Heat.....	T		No Disconnect/circuit break.....	0
	Packaged Gas/Electric.....	Y		Unit Mounted Non-Fused Disconnect Switch.....	1
2	Efficiency			Unit Mounted Circuit Breaker.....	2
	Standard Efficiency.....	S	20	Convenience Outlet Option	
	High Efficiency.....	H		Without Convenience Outlet.....	0
3	Airflow Configuration			Unpowered Convenience Outlet.....	A
	Downflow.....	D		Powered Convenience Outlet.....	B
	Horizontal.....	H	21	Communications Options	
4-6	Nominal Gross Cooling Capacity (MBh)			Without Communications Options.....	0
	12½ Tons.....	150		Novar 2024 Controls Interface④.....	3
	15 Tons.....	180		Novar 3051 Controls Interface④.....	4
	17½ Tons.....	210		Novar 3051 Communications Interface with	
	20 Tons.....	240		Demand Control Ventilation⑤.....	5
	25 Tons.....	300		Building Automation Control Network	
7	Major Design Sequence			Communications Interface.....	6
	Microchannel Type Condenser Coils.....	F	22	Refrigeration System Option	
8	Voltage Selection			Standard refrigeration system.....	0
	208-230/60/3.....	3		Thermal Expansion Valve (TXV).....	A
	460/60/3.....	4		Dehumidification (Hot Gas Reheat).....	B
	575/60/3.....	W	23	Refrigeration Controls	
	380/60/3.....	K		Without Refrigeration Controls.....	0
9	Unit Controls			Frostat.....	1
	ReliaTel™.....	R	24	Smoke Detector	
10	Heating Capacity			Without Smoke Detector.....	0
	No Heat②.....	0		Return Air Smoke Detector.....	A
	18 kW Electric Heat②.....	G		Supply Air Smoke Detector.....	B
	27 kW Electric Heat②.....	K		Return/Supply Air Smoke Detector.....	C
	36 kW Electric Heat②.....	N		Plenum Smoke Detector.....	D
	54 kW Electric Heat②.....	P	25	System Monitoring Controls	
	72 kW Electric Heat②.....	R		No Monitoring Controls.....	0
	Gas Heat - High①.....	H		Clogged Filter Switch.....	1
	Gas Heat - Low①.....	L		Fan Failure Switch.....	2
	Gas Heat - SS Ht Ex - Modulating①.....	V		Discharge Air Sensing.....	3
	Gas Heat - SS Ht Ex - Low①.....	X		Clogged Filter Switch and Fan Failure switch.....	4
	Gas Heat - SS Ht Ex - High①.....	Z		Clogged Filter Switch and Discharge Air Sensing.....	5
11	Minor Design Sequence			Fan Failure Switch and Discharge Air Sensing.....	6
12-13	Service Sequence			Clogged Filter Switch, Fan Failure Switch and	
14	Fresh Air Selection			Discharge Air Sensing.....	7
	No Fresh Air.....	0		NOVAR Return Air Sensor (Novar 2024)④.....	8
	Econ Dry Bulb w/ Barometric Relief.....	D		NOVAR Zone Temp Sensor(Novar 3051)④.....	9
	Econ Reference Enthalpy w/Barometric Relief.....	F		Condensate Drain Pan Overflow Switch.....	A
	Econ Comparative Enthalpy w/Barometric Relief.....	H		Clogged Filter Switch and Condensate Drain	
	Low Leak Economizer, Dry Bulb			Pan Overflow Switch.....	B
	with Barometric Relief.....	K		Fan Failure Switch and Condensate Drain	
	Low Leak Economizer, Comparative Enthalpy			Pan Overflow Switch.....	C
	with Barometric Relief.....	M		Discharge Air Sensing and Condensate	
	Low Leak Economizer, Reference Enthalpy			Drain Pan Overflow Switch.....	D
	with Barometric Relief.....	P		Clogged Filter Switch, Fan Failure Switch and	
15	Supply Fan/Drive Type/Motor			Condensate Drain Pan Overflow Switch.....	E
	Standard Motor.....	0		Clogged Filter Switch, Discharge Air Sensing	
	Oversized Motor.....	1		Tube and Condensate Drain Pan Overflow Switch....	F
	High Efficiency Motor.....	3		Fan Failure Switch, Discharge Air Sensing Tube and	
	Single Zone Variable Air Volume Standard Motor.....	6		Condensate Drain Pan Overflow Switch.....	G
	Multi-Speed Standard Motor.....	7		Clogged Filter Switch, Fan Failure Switch, Discharge	
	Single Zone Variable Air Volume Oversized Motor.....	8		Air Sensing and Condensate Drain Pan Overflow	
	Multi-Speed Oversized Motor.....	9		Switch.....	H
	Single Zone Variable Air Volume Standard		26	System Monitoring Controls	
	Motor w/Shaft Ground Ring.....	A		No Monitoring Controls.....	0
	Multi-Speed Standard Motor w/Shaft Ground Ring.....	B		Demand Control Ventilation (CO₂)⑤.....	A
	Single Zone Variable Air Volume Oversized			Fault Detection and Diagnostics (FDD).....	B
	Motor w/Shaft Ground Ring.....	C		Fault Detection and Diagnostics (FDD)	
	Multi-Speed Oversized Motor w/Shaft Ground Ring.....	D		with Demand Control Ventilation.....	C
16	Hinged Service Access / Filters		27	Unit Hardware Enhancements	
	Standard Panels/Standard Filters.....	0		No Enhancements.....	0
	Hinged Access/Standard Filters.....	A		Stainless Steel Drain Pan.....	1
	Standard Panels/MERV 8 Filters.....	B	28	Short Circuit Current Rating (SCCR)	
	Hinged Access/MERV 8 Filters.....	C		Standard SCCR.....	0
	Standard Panels/MERV 13 Filters.....	D		65 kA SCCR.....	A
	Hinged Access/MERV 13 Filters.....	E	31	Advanced Unit Controls	
17	Condenser Coil Protection			Standard Unit Controls.....	0
	Standard Coil.....	0		Human Interface.....	1
	Standard Coil With Hail Guard.....	1			
	CompleteCoat™ Condenser Coil.....	4			
	CompleteCoat™ Condenser Coil with Hail Guard.....	5			
18	Through The Base Provisions.				
	No Through The Base Provisions③.....	0			
	Through The Base Electric③.....	A			
	Through The Base Gas①.....	B			
	Through The Base Electric/Gas①.....	C			
	Through The Base Access①.....	D			

① Applicable to Digit 1 Y models only.

② Applicable to Digit 1 T models only.

③ Applicable to Digit 1, T or Y models.

④ Novar is not available with SZ VAV products.

⑤ Demand Control Ventilation Option includes wiring only. The CO₂ sensor is a field-installed only option.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons Accessories

Table LPG-15-A — Field Installed Accessories

Model Number	Description	Used With
BAYABRD002B®	ReliaTel™ Options Module	All Voyagers
BAYBCIR001A	Bacnet™ Communication Interface	ReliaTel™ Controller (BCI-R)
BAYCO2K002B	CO ₂ Sensor Wall Mounted	All Voyagers
BAYCO2K004B	CO ₂ Sensor Duct Mounted	All Voyagers
BAYCURB026B⑤⑥	Downflow Only Roof Curb	YSD150F
BAYCURB027B⑤⑥	Downflow Only Roof Curb	YHD150-YHD300F, YSD180-YSD300F
BAYDFPS005A⑦⑧	Clogged Filter Switch (MERV 7)	All Voyagers
BAYDFPS006A⑦⑧	Fan Failure Switch	All Voyagers
BAYDFPS031A	Clogged Filter Switch (MERV 13)	All Voyagers
BAYDMPR029C	0-25% Manual Outside Air Damper	All Voyagers
BAYDMPR057A	0-50% Motorized Outside Air Damper	YSD150F
BAYDMPR058A	0-50% Motorized Outside Air Damper	YHD150-300F, YSD150-300F
BAYECON089A⑨	Downflow Economizer with Barometric Relief	YSD150F
BAYECON090A⑨	Downflow Economizer with Barometric Relief	YHD150-300F, YSD150-300F
BAYECON091A	Horizontal Economizer	YSH150F
BAYECON092A	Horizontal Economizer	YHH150-300F, YSH180-300F
BAYECON700A	Downflow Low Leak Economizer	YSD150F
BAYECON701A	Downflow Low Leak Economizer	YSD180F-300F, YHD150F, YHD180-300F
BAYENTH007A①②	Reference Enthalpy Kit	All BAYECON089A-092A
BAYENTH008A①③	Comparative Enthalpy Kit	All BAYECON089A-092A
BAYFRST003A	High Temperature Stat	All Voyagers
BAYGARD144A④	Tool-less Hail Guard	YS*150F
BAYGARD145A④	Tool-less Hail Guard	YH*150F, YS*180F-300F
BAYGARD150A④	Tool-less Hail Guard	YH*210F-300F, YH*180F
BAYHSDR005B④	High Static Drive	YS*150, 180F, YH*150F, 180F
BAYHSDR010A	High Static Drive	YH*210F, 240F, YS*300F
BAYHSDR011A	High Static Drive	YS*210F, 240F, YH*300F

- ① Kit contains all necessary parts to achieve desired level of Enthalpy Control.
 ② Reference Enthalpy senses outside temperature/humidity.
 ③ Comparative Enthalpy senses outside temperature/humidity and inside return/mixed air temperature/humidity.
 ④ High static drive and oversized motors are mutually exclusive, Do Not Combine.
 ⑤ See Accessory IOM for operational characteristics.
 ⑥ Clarksville Manufacturing has a no-return policy for this roof curb.
 ⑦ BAYABRD002 is required when ordering BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A or BAYVNOR002B.
 ⑧ Field or factory installed option.
 * Either horizontal or downflow models

**For additional Controls Information:
 See ReliaTel™ and Micro Control features on LPC-12 and LPC-13.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Packaged Gas/Electric with ReliaTel™
Controls 12½-25 Tons Accessories****Table LPG-16-A — Field Installed Accessories**

Model Number	Description	Used With
BAYHSMT039B①④	5HP Oversized Motor Kit (208-230/460V)	YS*150F
BAYHSMT040B④	5HP Oversized Motor Kit (575V)	YS*150F
BAYHSMT055B①④	5HP Oversized Motor Kit (208-230/460V)	YS*180F
BAYHSMT042A②④	7-1/2HP Oversized Motor Kit (575V)	YS*210F, 240F, YH*210F, 240F
BAYHSMT072A②④	7-1/2HP Oversized Motor Kit (575V)	YS*180F, YH*180F
BAYHSMT098A②④	7-1/2HP Oversized Motor Kit (230V)	YH*210F, YH*240F
BAYHSMT099A②④	7-1/2HP Oversized Motor Kit (460V)	YH*210F, YH*240F
BAYLOAM023A③	Evaporator Defrost Control	YS*150F, YH*150F, YS*180F, YS*210F, 240F, 300F
BAYLOAM031A	Evaporator Defrost Control	YH*210F, 240F, 300F, 180F
BAYLPKT018A	LP Conversion Kit	YC*150F-YC*301F
BAYLSDR004A②	Low Static Drive	YS*150F, 180F, 210F, YH*210F, YS*240F, YH*241F
BAYLSDR002A②	Low Static Drive	YH*150F, 180F, YS*300F
BAYPWRX029A	Power Exhaust for all Voyagers 12½-25 Ton 230V units	Downflow Only
BAYPWRX030A	Power Exhaust for all Voyagers 12½-25 Ton 460V units	Downflow Only
BAYPWRX031A	Power Exhaust for all Voyagers 12½-25 Ton 575V units	Downflow Only
BAYSERV001A	Selective Resistance Service Tester	YC*150F-YC*301F
BAYSTAT023	Remote Potentiometer	YC*150F-YC*301F
BAYTUBE008A③④	Discharge Air Sensing Kit	YCD150F-YCD301F
BAYTUBE009A③④	Discharge Air Sensing Kit	YCH150F-YCH301F
BAYQACB044A	Adapter Curb	BAYCURB026A/B to BAYCURB027A/B
BAYVNOR002B③	Ventilation Override Kit	YC*150F-YC*301F

① High static drive and oversized motors are mutually exclusive, Do Not Combine.

② Low static drive and oversized motors are mutually exclusive, Do Not Combine.

③ BAYABRD002 is required when ordering BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A, BAYLOAM031A or BAYVNOR002B.

④ Field or factory installed option.

* Either horizontal or downflow models

**Packaged Gas/Electric with ReliaTel™
Controls 12½-25 Tons, R-22, R-410A
Zone Sensors / Thermostats****Table LPG-16-B — Zone Sensors — ReliaTel™**

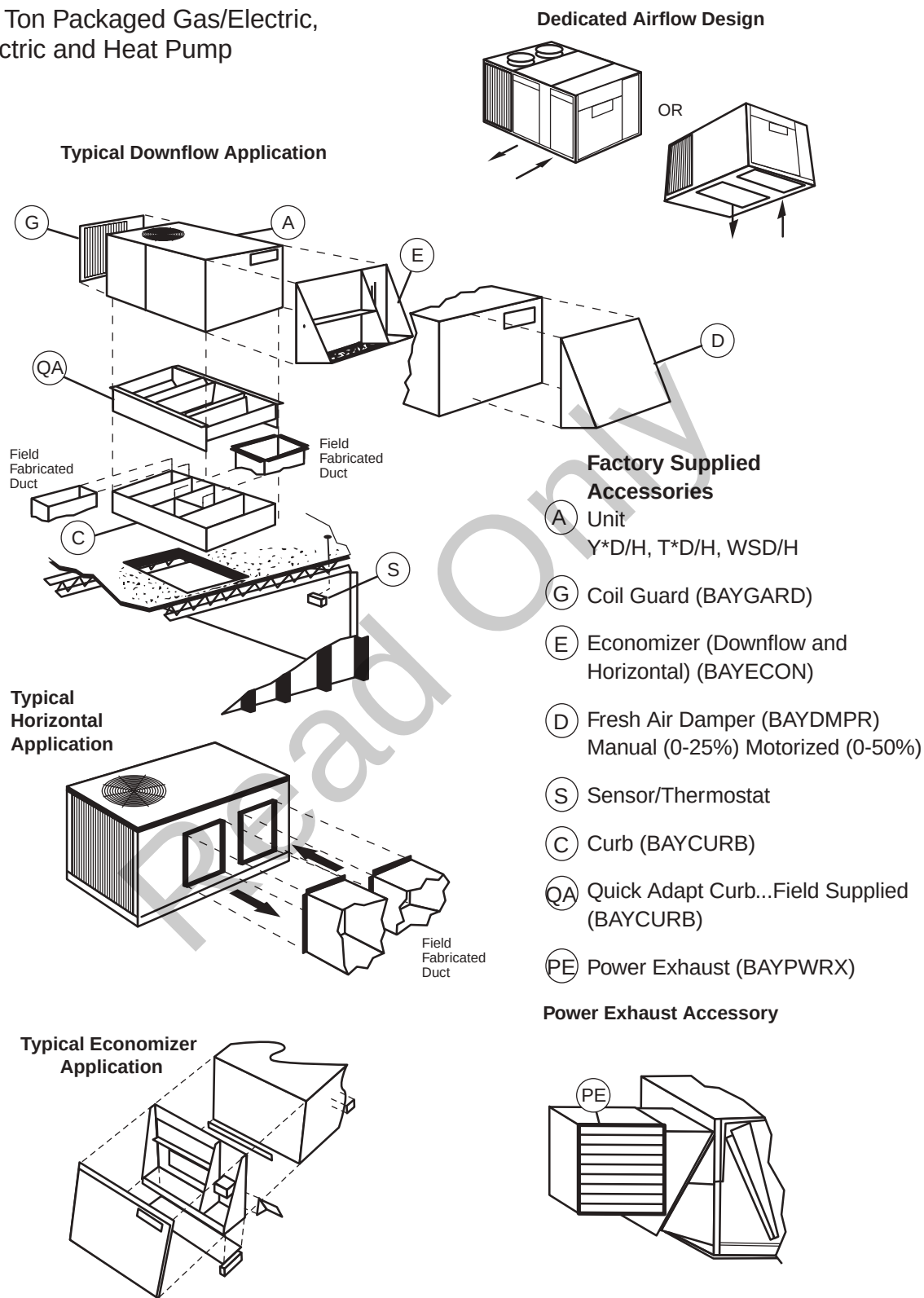
Model Number	Description	Used With
ASYSTAT106A	Single Setpoint Manual Changeover	YC*150-301
ASYSTAT108A	Dual Setpoint Manual or Automatic Changeover	YC*150-301
ASYSTAT111A	Remote Room Sensor	ASYSTAT777A
ASYSTAT777A	Programmable Night Setback	YC*150-301
ASYSTAT710A	Wall Mounted Humidity Sensor	YHD150, 180, 240F (with Reheat)
ASYSTAT711A	Duct Mounted Humidity Sensor	YHD150, 180, 240F (with Reheat)
BAYMTPL110A	Retrofit Wall Cover Plate Kit 7.25" x 6.0"	ASYSTAT777A
BAYSENS924A	Title 24 Zone Sensor①	All

① Must be used with ReliaTel™ Control and BCI Communications Interface.

**For additional Controls Information:
See ReliaTel™ and Micro Control features on LPC-12 and LPC-13.**

Packaged Unit Accessories 12 1/2-25 Tons

12 1/2 – 25 Ton Packaged Gas/Electric,
 Electric/Electric and Heat Pump





Foundation™ Packaged Gas/Electric 3-5 Tons, R-410A

- Scroll compressors on all units
- Operating Charge of R-410A
- Low ambient operation of 40 F as standard
- Color coded and numbered wiring
- Single side service access
- Provisions for through the base connections
- Phase monitor on all units
- Convertible airflow on all units
- Non-corrosive drain pan
- Separate high and low voltage areas in control box
- **5-year limited compressor and heat exchanger warranty**

Table LPG-18-A — Foundation™ - R-410A - Electromechanical Controls

Tons	Unit Model No	Power Supply Volts/Phase/Hz	Performance SEER	Cooling Capacity (Btuh)	Heating Output Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA**	Max Fuse Size or Max Circuit Breaker**	Downflow Roofcurb①
GBC - Three Phase Low Heat										
3	GBC036A3ELA0000	208-230/3/60	14.0	36,000	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	574	19.5	25	BAYCURB320A
4	GBC048A3ELA0000	208-230/3/60	14.0	48,000	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	616	23.6	35	BAYCURB320A
5	GBC060A3ELA0000	208-230/3/60	14.0	57,500	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	636	26.4	40	BAYCURB320A
3	GBC036A4ELA0000	460/3/60	14.0	36,000	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	574	10.5	15	BAYCURB320A
4	GBC048A4ELA0000	460/3/60	14.0	48,000	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	616	11	15	BAYCURB320A
5	GBC060A4ELA0000	460/3/60	14.0	57,500	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	636	12.9	20	BAYCURB320A
3	GBC036AWELA0000	575/3/60	14.0	36,000	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	574	6.8	15	BAYCURB320A
4	GBC048AWELA0000	575/3/60	14.0	48,000	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	616	8.1	15	BAYCURB320A
5	GBC060AWELA0000	575/3/60	14.0	57,500	57,600	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	636	9.2	15	BAYCURB320A
GBC - Three Phase Medium Heat										
3	GBC036A3EMA0000	208-230/3/60	14.0	36,000	80,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	574	19.5	25	BAYCURB320A
4	GBC048A3EMA0000	208-230/3/60	14.0	48,000	92,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	616	23.6	35	BAYCURB320A
5	GBC060A3EMA0000	208-230/3/60	14.0	57,500	92,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	636	26.4	40	BAYCURB320A
3	GBC036A4EMA0000	460/3/60	14.0	36,000	80,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	574	10.5	15	BAYCURB320A
4	GBC048A4EMA0000	460/3/60	14.0	48,000	92,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	616	11	15	BAYCURB320A
5	GBC060A4EMA0000	460/3/60	14.0	57,500	92,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	636	12.9	20	BAYCURB320A
3	GBC036AWEMA0000	575/3/60	14.0	36,000	80,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	574	6.8	15	BAYCURB320A
4	GBC048AWEMA0000	575/3/60	14.0	48,000	92,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	616	8.1	15	BAYCURB320A
5	GBC060AWEMA0000	575/3/60	14.0	57,500	92,000	42 ⁵ / ₈ x 48 x 76 ⁷ / ₈	636	9.2	15	BAYCURB320A

① For Downflow units only.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Foundation™ Packaged Gas/Electric 3-5 Ton Accessories

Table LPG-19-A — Foundation™ - Field Installed Accessories

Model Number	Description	Used With
BAYCURB320A	Roof curb	All
BAYGARD320A	Tool-less Hail Guard	All
BAYHAKT320A	High Altitude Kit	All
BAYLPKT320A	LP Kit	GBC Only
BAYTBGF320A	Through the base - Gas	GBC Only
BAYTBUE320A	Through the base - Elec.	All
BAYDSCF320A	Unit Mounted Disconnect- cooling only, 100 Amp	GBC, EBC No Elec Heat
BAYCO2K300A	Wall Mounted CO2 Sensor	All
BAYCO2K301A	Duct Mounted CO2 Sensor	All
BAYCOSW320A	Condensate Overflow	All
BAYCCHT010B	CCH – 208-230V (40 W) 6.5"	E/GBC(048 & 060)A3
BAYCCHT011B	CCH - 460V/572V (40W) 6.5"	E/GBC(048 & 060A)(4 & W)
BAYCCHT103A	CCH – 208-230V (40 W) 5.5"	E/GBC036A3
BAYCCHT405A	CCH - 460V/572V (40W) 5.5"	E/GBC036A(4 & W)
BAYLOAM330A	Frostat	All
BAYLOAM340A	Low Ambient Kit	All
BAYASCT001	Compressor Short Cycle Timer	All
BAYHSMT320A	2 HP Oversize motor Kit (208-230/460V)	All
BAYHSMT321A	2 HP Oversize motor Kit (380V)	All
BAYHSMT322A	2 HP Oversize motor Kit (575V)	All
BAYDMPR321A	Damper, Manual 3-5T	All
BAYDMPR320A	Damper, Motorized 3-5T	All
BAYBARO320A	Barometric Relief Damper, 3-5T	All
BAYECON320A	Economizer, Dry Bulb, Downflow 3-5T	All
BAYENTH320A	Reference Enthalpy Economizer, 3-5T	All
BAYENTH321A	Comparative Enthalpy Economizer, 3-5T	All
BAYECON353A①	Low Leak Economizer, Dry Bulb, Downflow W/FDD, 3-5T	All
BAYECON354A①	Low Leak Economizer, Dry Bulb, Horizontal W/FDD, 3-5T	All
BAYENTH323A①	Comparative Enthalpy, LLE W/FDD, 3-5T	All
BAYENTH322A①	Reference Enthalpy, LLE W/FDD, 3-5T	All
BAYBARO321A①	Barometric Relief Damper, LLE W/FDD, 3-5T	All
BAYPWRX320A②	Power Exhasust, 3-5T DF, 230V	All
BAYPWRX321A②	Power Exhaust, 3-5T DF, 460V	All
BAYPWRX322A②	Power Exhasut, 3-5T DF, 575V	All

① FDD = Fault Detection & Diagnosis

② Please check availability



Foundation™ Packaged Gas/Electric 15-25 Tons, R-410A

- Scroll compressors on all units
- Operating charge of R-410A
- Low ambient operation to 40°F as standard
- Color coded and numbered wiring
- Single side service access
- Molded handles on service access doors
- Liquid Line Refrigerant Drier
- Provisions for through the base connections
- Phase monitor on all units
- Convertible airflow with field installed kit on most models
- Two inch throwaway filters as standard
- Non-corrosive & removable drain pan
- Separated high and low voltage compartments
- **5-year limited compressor and heat exchanger warranty (15-25 tons)**

Table LPG-20-A — Foundation™ — R-410A — Electromechanical Controls

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance IEER	Cooling Capacity (Btuh)	Heating Output Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA	Max Fuse Size or Max Circuit Breaker②	Downflow Roofcurb
GAC - Three Phase Low Heat										
15	GAC180A3ELA0000	208-230/3/60	11.0	183,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	79	100	BAYCURB027B
17 ¹ / ₂	GAC210A3ELA0000	208-230/3/60	11.0	212,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	91	110	BAYCURB027B
20	GAC240A3ELA0000	208-230/3/60	10.0	252,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	117	150	BAYCURB027B
25	GAC300A3ELA0000	208-230/3/60	10.0	290,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	124	150	BAYCURB027B
15	GAC180A4ELA0000	460/3/60	11.0	183,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	37	45	BAYCURB027B
17 ¹ / ₂	GAC210A4ELA0000	460/3/60	11.0	212,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	42	50	BAYCURB027B
20	GAC240A4ELA0000	460/3/60	10.0	252,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	53	70	BAYCURB027B
25	GAC300A4ELA0000	460/3/60	10.0	290,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	56	70	BAYCURB027B
15	GAC180AWELA0000	575/3/60	11.0	183,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	31	40	BAYCURB027B
17 ¹ / ₂	GAC210AWELA0000	575/3/60	11.0	212,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	34	40	BAYCURB027B
20	GAC240AWELA0000	575/3/60	10.0	252,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	42	50	BAYCURB027B
25	GAC300AWELA0000	575/3/60	10.0	290,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	47	60	BAYCURB027B
GAC - Three Phase Medium Heat										
15	GAC180A3EMA0000	208-230/3/60	11.0	183,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	79	100	BAYCURB027B
17 ¹ / ₂	GAC210A3EMA0000	208-230/3/60	11.0	212,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	91	110	BAYCURB027B
20	GAC240A3EMA0000	208-230/3/60	10.0	252,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	117	150	BAYCURB027B
25	GAC300A3EMA0000	208-230/3/60	10.0	290,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	124	150	BAYCURB027B
15	GAC180A4EMA0000	460/3/60	11.0	183,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	37	45	BAYCURB027B
17 ¹ / ₂	GAC210A4EMA0000	460/3/60	11.0	212,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	42	50	BAYCURB027B
20	GAC240A4EMA0000	460/3/60	10.0	252,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	53	70	BAYCURB027B
25	GAC300A4EMA0000	460/3/60	10.0	290,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	56	70	BAYCURB027B
15	GAC180AWEMA0000	575/3/60	11.0	183,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	31	40	BAYCURB027B
17 ¹ / ₂	GAC210AWEMA0000	575/3/60	11.0	212,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	34	40	BAYCURB027B
20	GAC240AWEMA0000	575/3/60	10.0	252,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	42	50	BAYCURB027B
25	GAC300AWEMA0000	575/3/60	10.0	290,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	47	60	BAYCURB027B
GAD - Three Phase High Heat①										
15	GAD180A3EHA0000	208-230/3/60	11.0	183,000	280,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	79	100	BAYCURB027B
17 ¹ / ₂	GAD210A3EHA0000	208-230/3/60	11.0	212,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	91	110	BAYCURB027B
20	GAD240A3EHA0000	208-230/3/60	10.0	252,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	117	150	BAYCURB027B
25	GAD300A3EHA0000	208-230/3/60	10.0	290,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	124	150	BAYCURB027B
15	GAD180A4EHA0000	460/3/60	11.0	183,000	280,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	37	45	BAYCURB027B
17 ¹ / ₂	GAD210A4EHA0000	460/3/60	11.0	212,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	42	50	BAYCURB027B
20	GAD240A4EHA0000	460/3/60	10.0	252,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	53	70	BAYCURB027B
25	GAD300A4EHA0000	460/3/60	10.0	290,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	56	70	BAYCURB027B
15	GAD180AWEHA0000	575/3/60	11.0	183,000	280,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,183	31	40	BAYCURB027B
17 ¹ / ₂	GAD210AWEHA0000	575/3/60	11.0	212,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,238	34	40	BAYCURB027B
20	GAD240AWEHA0000	575/3/60	10.0	252,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	42	50	BAYCURB027B
25	GAD300AWEHA0000	575/3/60	10.0	290,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ¹ / ₈	2,327	47	60	BAYCURB027B

① Downflow Airflow Configuration Only - High Heat Models.

② HACR Circuit Breaker Type Per NEC.

Information subject to change. Please confirm with current Product Data for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Foundation™ Packaged Gas/Electric 15-25 Tons, R-410A, 2-Speed Indoor Fans

Table LPG-21-A — Foundation™ - R-410A - Electromechanical Controls - 2-Speed Indoor Fans

Tons	Unit Model No	Power Supply Volts/Phase/Hz	Performance IEER	Cooling Capacity (Btuh)	Heating Output Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA**	Max Fuse Size or Max Circuit Breaker**	Downflow Roofcurb①
GAC - Three Phase Low Heat										
15	GAC180A3ELA1DQY	208-230/3/60	12.8	183,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	79	100	BAYCURB027B
17½	GAC210A3ELA1DQY	208-230/3/60	12.8	212,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	91	110	BAYCURB027B
20	GAC240A3ELA1DQY	208-230/3/60	11.9	252,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	117	150	BAYCURB027B
25	GAC300A3ELA1DQY	208-230/3/60	11.7	290,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	124	150	BAYCURB027B
15	GAC180A4ELA1DQY	460/3/60	12.8	183,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	37	45	BAYCURB027B
17½	GAC210A4ELA1DQY	460/3/60	12.8	212,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	42	50	BAYCURB027B
20	GAC240A4ELA1DQY	460/3/60	11.9	252,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	53	70	BAYCURB027B
25	GAC300A4ELA1DQY	460/3/60	11.7	290,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	56	70	BAYCURB027B
15	GAC180AWELA1DQY	575/3/60	12.8	183,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	31	40	BAYCURB027B
17½	GAC210AWELA1DQY	575/3/60	12.8	212,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	34	40	BAYCURB027B
20	GAC240AWELA1DQY	575/3/60	11.9	252,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	42	50	BAYCURB027B
25	GAC300AWELA1DQY	575/3/60	11.7	290,000	192,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	47	60	BAYCURB027B
GAC - Three Phase Medium Heat										
15	GAC180A3EMA1DQY	208-230/3/60	12.8	183,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	79	100	BAYCURB027B
17½	GAC210A3EMA1DQY	208-230/3/60	12.8	212,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	91	110	BAYCURB027B
20	GAC240A3EMA1DQY	208-230/3/60	11.9	252,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	117	150	BAYCURB027B
25	GAC300A3EMA1DQY	208-230/3/60	11.7	290,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	124	150	BAYCURB027B
15	GAC180A4EMA1DQY	460/3/60	12.8	183,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	37	45	BAYCURB027B
17½	GAC210A4EMA1DQY	460/3/60	12.8	212,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	42	50	BAYCURB027B
20	GAC240A4EMA1DQY	460/3/60	11.9	252,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	53	70	BAYCURB027B
25	GAC300A4EMA1DQY	460/3/60	11.7	290,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	56	70	BAYCURB027B
15	GAC180AWEMA1DQY	575/3/60	12.8	183,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	31	40	BAYCURB027B
17½	GAC210AWEMA1DQY	575/3/60	12.8	212,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	34	40	BAYCURB027B
20	GAC240AWEMA1DQY	575/3/60	11.9	252,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	42	50	BAYCURB027B
25	GAC300AWEMA1DQY	575/3/60	11.7	290,000	256,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	47	60	BAYCURB027B
GAD - Three Phase High Heat②										
15	GAD180A3EHA1DQY	208-230/3/60	12.8	183,000	280,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	79	100	BAYCURB027B
17½	GAD210A3EHA1DQY	208-230/3/60	12.8	212,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	91	110	BAYCURB027B
20	GAD240A3EHA1DQY	208-230/3/60	11.9	252,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	117	150	BAYCURB027B
25	GAD300A3EHA1DQY	208-230/3/60	11.7	290,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	124	150	BAYCURB027B
15	GAD180A4EHA1DQY	460/3/60	12.8	183,000	280,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	37	45	BAYCURB027B
17½	GAD210A4EHA1DQY	460/3/60	12.8	212,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	42	50	BAYCURB027B
20	GAD240A4EHA1DQY	460/3/60	11.9	252,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	53	70	BAYCURB027B
25	GAD300A4EHA1DQY	460/3/60	11.7	290,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	56	70	BAYCURB027B
15	GAD180AWEHA1DQY	575/3/60	12.8	183,000	280,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2183	31	40	BAYCURB027B
17½	GAD210AWEHA1DQY	575/3/60	12.8	212,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2238	34	40	BAYCURB027B
20	GAD240AWEHA1DQY	575/3/60	11.9	252,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	42	50	BAYCURB027B
25	GAD300AWEHA1DQY	575/3/60	11.7	290,000	320,000	58 ⁵ / ₈ x 86 ⁵ / ₁₆ x 123 ³ / ₈	2327	47	60	BAYCURB027B

① For Downflow units only.

** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

**Foundation™ Packaged Gas/Electric
15-25 Tons Accessories****Table LPG-22-A — Foundation™ — R-410A— Field Installed Accessories**

Model Number	Description	Used With
BAYTBUE300A	Through the Base Electrical Connections	All Foundation 15-25 Ton Units
BAYDSCF300A	Unit Mounted Disconnect, 100 Amp	GA*180A4* - GA*300A4*, GA*180AW* - GA*300AW*
BAYDSCF301A	Unit Mounted Disconnect, 150 Amp	GA*180A3* - GA*300A3*
BAYTBGF300A	Through the Base Gas Connection, 400 MBH	GA*180A* - GA*300A*
BAYLPKT300A	Propane Conversion Kit	GA*180A* - GA*300A*
BAYHAKT300A	High Altitude Conversion Kit	GA*180A* - GA*300A*
BAYDMPR301A	Damper, Manual	GA*180A* - GA*300A*
BAYDMPR300A	Damper, Motorized	GA*180A* - GA*300A*
BAYECON300A	Economizer, Dry Bulb, Downflow	GA*180A* - GA*300A*
BAYECON301A	Economizer, Dry Bulb, Horizontal	GA*180A* - GA*300A*
BAYECON350A③	Low Leak Economizer w/FDD, Dry Bulb, Downflow	GA*180A* - GA*300A*
BAYECON351A	Low Leak Economizer w/FDD, Dry Bulb, Horizontal	GA*180A* - GA*300A*
BAYHZCN300A	Horizontal Economizer Conversion Kit	GA*180A* - GA*300A*
BAYBARO300A	Barometric Relief Damper, 15-25T	GA*180A* - GA*300A*
BAYENTH300A	Reference Enthalpy Economizer Kit	GA*180A* - GA*300A*
BAYENTH301A	Comparative Enthalpy Economizer Kit	GA*180A* - GA*300A*
BAYENTH302A③	Reference Enthalpy Economizer Kit	GA*180A* - GA*300A* w/Low Leak Economizer & FDD
BAYENTH303A③	Comparative Enthalpy Economizer Kit	GA*180A* - GA*300A* w/Low Leak Economizer & FDD
BAYCURB027B	Roof Curb	GA*180A* - GA*300A*
BAYHZRT001A	Horizontal Duct Conversion Kit	GA*180A* - GA*300A*
BAYCARR001A	Carrier Replacement Conversion Kit	GA*180A* - GA*300A*
BAYGARD300A	Condenser Hail Guard	GA*180A* - GA*300A*
BAYCCHT300A	Crankcase Heater, 70W, 230V	GA*180A3 - GA*300A3
BAYCCHT301A	Crankcase Heater, 70W, 460V	GA*180A4 - GA*300A4
BAYCCHT302A	Crankcase Heater, 70W, 575V	GA*180AW - GA*300AW
BAYASCT001	Compressor Short Cycle Timer	GA*180A* - GA*300A*
BAYLOAM300A	Low Ambient Control	GA*180A* - GA*300A*
BAYLOAM310A	Evaporator Defrost Control	GA*180A* - GA*300A*
BAYPWRX300A①	Power Exhaust, 15-25T, DF, 230V	GA*180A3 - GA*300A3
BAYPWRX301A①	Power Exhaust, 15-25T, DF, 460V	GA*180A4 - GA*300A4
BAYPWRX302A①	Power Exhaust, 15-25T, DF, 575V	GA*180AW - GA*300AW
BAYHSMT300A	High Static Motor & Drv, 5HP 230/460V	GA*180A3, GA*180A4
BAYHSMT301A	High Static Motor & Drv, 5HP 575V	GA*180AW
BAYHSMT302A	High Static Motor & Drv, 7.5HP 230/460V	GA*210A3, GA*240A3
BAYHSMT303A	High Static Motor & Drv, 7.5HP 460V	GA*210A4, GA*240A4
BAYHSMT304A	High Static Motor & Drv, 7.5HP 575V	GA*210AW, GA*240AW
BAYSHGR003A②	Shaft Grounding Ring, 0.875" Shaft	5HP VFD Motors
BAYSHGR002A②	Shaft Grounding Ring, 1.125" Shaft	7.5HP VFD Motors
BAYLSDR300A	Low Static Drive Option	GA*180A* - GA*300A*
BAYHSDR300A	High Static Drive Option	GA*180A* - GA*300A*
BAYCO2K300A	Wall Mounted CO2 Sensor	GA*180A* - GA*300A* with economizer
BAYCO2K301A	Duct Mounted CO2 Sensor	GA*180A* - GA*300A* with economizer
BAYCOSW300A	Drain Pan Overflow Switch	GA*180A* - GA*300A*
BAYSTAT300A	BACNet Enabled Thermostat	GA*180A* - GA*300A*
BAYPALT001A	Reuseable Pallet for Condenser End Unit Lifting	All Foundation 15-25 Ton Units

① Please check availability.

② See HVAC Knowledge Center for a list of compatible Carrier units.

③ FDD = Fault Detection & Diagnostics.

Information subject to change. Please confirm with current Product Data for current factory production.

3-25 Ton Packaged Units Roof Curb Compatibility Information

Table LAC/IN-1-A — 3-10 Ton Convertible Packaged Units Roof Curb Compatibility

BAYCURB042			BAYCURB043			BAYCURB044		
T/YSC	T/YHC	WSC	T/YSC	T/YHC	WSC	T/YSC	T/YHC	WSC
036A	033A	036A	072A	072A	072A		092E	120E
048A	036A	048A	090A	092A	090A		102E	
060A	043A	060A	092A	102A	120A		120E	
036E	048A	036E	102A	120A	060E			
048E	060A	048E	120A	048E	072E			
060E	063A		072E	060E	090E			
	036E		090E	072E				
			092E	092E*				
			102E	102E*				
			120E	120E*				

* = This curb is used for retrofit or replacement applications only for these units.

Table LAC/IN-1-B — 12½-25 Ton Packaged Units Roof Curb Compatibility Reference for Packaged Units Manufactured Prior to 2002

BAYCURB021A/B			BAYCURB022A/B			BAYCURB025A/B			BAYCURB026A/B			BAYCURB027A/B		
YCD	TCD	WCD	YCD	TCD	WCD	YCD	TCD	WCD	YCD	TCD	WCD	YCD	TCD	WCD
036A	036C	036C	061C	061C	075A	102A	102A	120A	121C	121C	150A	181B	181B	240A
036C	037C	048C	074C	074C	075C	102B	102B	120B	150A	150A	150B	181C	181C	240B
037C	048C	060C	075A	075A	090A	103B	103B		150B	150B	180A	210A	210A	150E
048A	049C		075B	075B	090C	103C	103C		150D	150D	180B	210B	210B	180E
048C	060C		075C	075C		120A	120A		151B	151B		211B	211B	240E
049C			086C	086C		120B	120B		151C	151C		211C	211C	
060A			090A	090A		121B	121B		180A	180A		240A	240A	
060C			090B	090B		150C	150C		180B	180B		240B	240B	
			090C	090C					210C	210C		241B	241B	
			090D	090D					150E	150E		241C	241C	
			091D	091C								300B	300B	
			102C	091D								301C	301C	
			120C	102C								180E	180E	
				120C								210E	210E	
												211E	211E	
												240E	240E	
												241E	241E	
												300E	300E	
												151E	151E	
												181E	181E	
												301E	301E	

General Notes:

- ① If ordering Thru-The-Base options, the curb must be an April 1994 to present model curb to allow Thru-The-Base connections. The older curb models do not allow for these connections. The units will still fit the curb, but the Thru-The-Base connections will not be available.
- ② TCD036A, TCD048A, TCD060A, WCD036A, WCD048A, WCD060A are not 12½-25 Ton units. These units were manufactured in Ft. Smith, AR and will not fit any 12½-25 Ton curbs.
- ③ All horizontal 3-7½ ton, all horizontal 102C, and all horizontal 120C units will fit the downflow curbs, but BAYINSL101A kit must be installed across the bottom of the evaporator section of the unit to prevent condensate leakage into the space.
- ④ If another manufacturers curb was used initially, the adapter curb may not fit.

Table LAC/IN-1-C — Convertible 3-10 Ton Curb Adapters

Model Number	Description
BAYQACB009A	Quick Adapt Roof Curb Converts BAYCURB021 to Convertible 3 - 5 Ton
BAYQACB010A	Quick Adapt Roof Curb Converts BAYCURB022 to Convertible 3 - 5 Ton
BAYQACB011A	Quick Adapt Roof Curb Converts BAYCURB022 to Convertible 6 - 10 Ton
BAYQACB012A	Quick Adapt Roof Curb Converts BAYCURB025 to Convertible 6 - 10 Ton
BAYQACB013A	Quick Adapt Roof Curb Converts BAYCURB026 to Convertible 6 - 10 Ton
BAYQACB044A	Quick Adapt Roof Curb Converts BAYCURB026 to BAYCURB027
BAYQACB500A	Quick Adapt Roof Curb Converts CRRFCURB001A01 to BAYCURB042A
BAYQACB501A	Quick Adapt Roof Curb Converts CRRFCURB001A01 to BAYCURB043A
BAYQACB502A	Quick Adapt Roof Curb Converts CRRFCURB001A03 to BAYCURB043A

Note: If another manufacturers curb was used initially, the adapter curb may not fit

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

LAC/IN-1

Effective 1/1/18
 14-1011-35

6-20 Tons Split System

Table LAC/IN-2-A — Allowable Elevation Difference: Cooling-only TTA above indoor unit

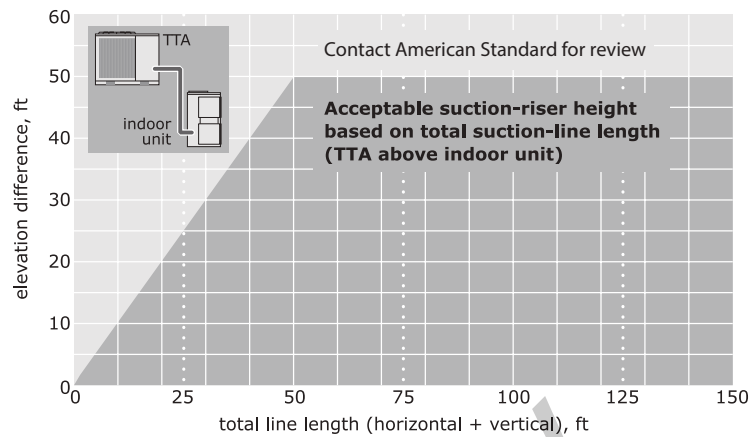


Table LAC/IN-2-B — Allowable Elevation Difference: TWA heat pump above indoor unit

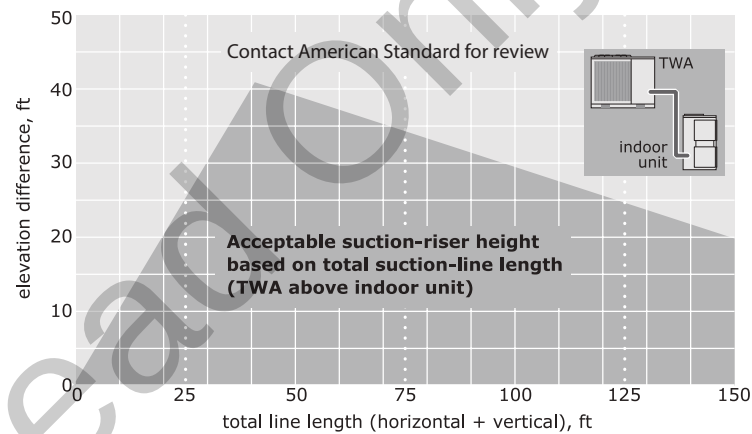
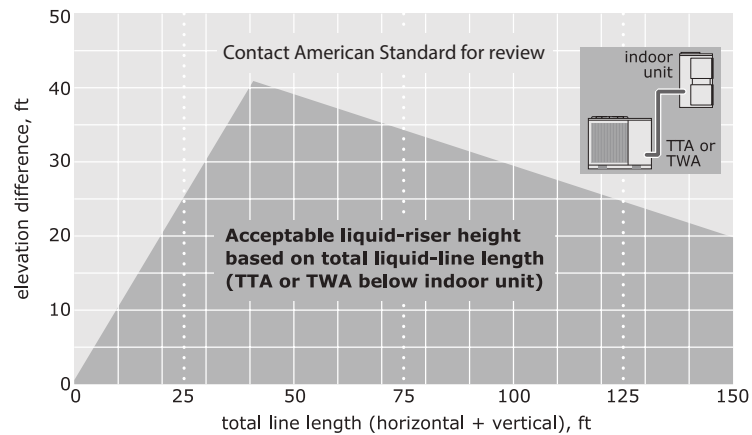


Table LAC/IN-2-C — Allowable Elevation Difference: TTA or TWA above indoor unit



Read Only