24ABB3
Comfort™ 13 Air Conditioner with Puron® Refrigerant

Carrier
Turn to the experts

Product Data



Industry leading Features / Benefits

Efficiency

- 13.0 SEER / 11.0 EER (based on tested combination)
- Microtube Technology™ refrigeration system

Reliability

- Non-ozone depleting Puron® refrigerant
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier

Durability

WeatherArmor™ Protection Package:

- Solid, durable sheet metal construction
- Dense wire coil guard

Applications

- Long–line – up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to –10°F/–23.3°C) with accessory kit

Model Number Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N
2	**4**	**A**	**B**	**B**	**3**	**1**	**8**	**A**	**B**	**N**	**3**
Product Series		Product Family	Tier	Major Series	SEER	Cooling Capacity		Design Variation	Open	Outdoor Tube	Voltage
24 = AC		**A** = Res AC	**B** = Comfort Series	**B** = Puron	**3** = 13 SEER	1,000 Btuh (nominal)		**A** = Dense Grille	**0**=Not Defined	**N**=Copper **L** = Aluminum	**3**=208-230-1-60 **5**=208/230-3-60 **6**=460-3-60 **1**=575-3-60

Use of the AHRI Certified Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Quality ISO 9001

CATALOG ORDERING NUMBERS

Phase	Size	Copper Coil Models	Aluminum Coil Models*
Single Phase	**18**	24ABB318ABN3	24ABB318A0L3
	24	24ABB324ABN3	24ABB324A0L3
	30	24ABB330ABN3	24ABB330A0L3
	36	24ABB336ABN3	24ABB336A0L3
	42	24ABB342A0N3	24ABB342A0L3
	48	24ABB348ABN3	24ABB348A0L3
	60	24ABB360A0N3	24ABB360A0L3
Three Phase	**30**	24ABB330A005	N/A
	36	24ABB336A001	N/A
	36	24ABB336A005	N/A
	36	24ABB336A006	N/A
	42	24ABB342A005	N/A
	42	24ABB342A006	N/A
	48	24ABB348A001	N/A
	48	24ABB348A005	N/A
	48	24ABB348A006	N/A
	60	24ABB360A001	N/A
	60	24ABB360A005	N/A
	60	24ABB360A006	N/A

*.Aluminum models phasing in June 2021. Please check with your supplier for availability.

STANDARD FEATURES

Features	18	24	30	36	42	48	60
Puron Refrigerant	X	X	X	X	X	X	X
SEER (Range depending on indoor combination)	13 - 15	13 - 15	13 - 15	13 - 15	13 - 14.5	13 - 15	13 - 14
Scroll Compressor	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X

X = Standard

PHYSICAL DATA 1-Phase (Copper Coil Models)

UNIT SIZE	18ABN34	24ABN35	30ABN33	36ABN35	42A0N30	48BN36	60A0N34
Compressor Type	Scroll						
REFRIGERANT	Puron (R-410A)						
Control	TXV (Puron Hard Shutoff)						
Factory Charge lb (kg)	3.15 (1.4)	3.15 (1.43)	4.30 (1.95)	4.67 (2.12)	5.84 (2.65)	7.10 (3.22)	8.80 (4.0)
Required Charge* lb (kg)	4.20 (1.91)	4.17 (1.89)	4.90 (2.22)	5.36 (2.48)	--	8.20 (3.72)	--
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1792	2218	2163	3310	3167	3365	3365
Motor HP	1/12	1/10	1/10	1/5	1/5	1/4	1/4
Motor RPM	1100	1100	1100	1100	1100	1100	800
COND COIL							
Face Area (Sq ft)	8.40	8.40	11.49	12.93	17.25	19.40	12.93
Fins per In.	20	25	25	20	25	25	20
Rows	1	1	1	1	1	1	2
Circuits	3	3	3	5	4	5	5
VALVE CONNECT. (In. ID)							
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8
Liquid	3/8	3/8	3/8	3/8	3/8	3/8	3/8
REFRIGERANT TUBES* (In. OD)							
Rated Vapor†	3/4			7/8			1-1/8
Max Liquid Line‡	3/8						

*.For 15 ft. lineset
†.Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.
‡.See Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant tables.

PHYSICAL DATA 3-Phase (Copper Coil Models)

UNIT SIZE	30A0051	36A0051	36A0061	4200050	420060	48A0051	48A0061	48A0061	60A0052	60A0062	60A0062	60A0012
Compressor Type	Scroll											
REFRIGERANT	Puron (R-410A)											
Control	TXV (Puron Hard Shutoff)											
Factory Charge lb (kg)	4.10 (1.9)	5.34 (2.4)	5.34 (2.4)	5.84 (2.65)	5.84 (2.65)	7.00 (3.2)	7.00 (3.2)	7.00 (3.2)	8.00 (3.6)	8.00 (3.6)	8.00 (3.6)	8.00 (3.6)
Required Charge* lb (kg)	4.90 (2.22)	--	--	--	--	8.20 (3.72)	8.20 (3.72)	8.20 (3.72)	--	--	--	--
COND FAN	Propeller Type, Direct Drive											
Air Discharge	Vertical											
Air Qty (CFM)	2218	2954	2954	3167	3167	3365	3365	3365	3365	3365	3365	3365
Motor HP	1/10	1/4	1/4	1/5	1/5	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Motor RPM	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
COND COIL												
Face Area (Sq ft)	9.80	13.13	13.13	17.25	17.25	19.40	19.40	19.40	15.09	15.09	15.09	15.09
Fins per In.	25	25	25	25	25	25	25	25	20	20	20	20
Rows	1	1	1	1	1	1	1	1	2	2	2	2
Circuits	3	3	3	4	4	5	5	5	6	6	6	6
VALVE CONNECT. (In. ID)												
Vapor	3/4	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Liquid	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
REFRIGERANT TUBES* (In. OD)												
Rated Vapor†	3/4	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	
Max Liquid Line‡	3/8											

*.For 15 ft. lineset
†.Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.
‡.See Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant tables.

PHYSICAL DATA (Aluminum Coil Models)

UNIT SIZE-SERIES	18A0L30	24A0L30	30A0L30	36A0L30	42A0L30	48A0L30	60A0L30
Compressor Type	Scroll						
REFRIGERANT	Puron (R-410A)						
Control	TXV (Puron Hard Shutoff)						
Factory Charge lb (kg)	2.77 (1.26)	2.77 (1.26)	3.78 (1.71)	4.11 (1.86)	5.84 (2.65)	7.10 (3.22)	8.80 (3.99)
Required Charge* lb (kg)	4.13 (1.87)	4.32 (1.96)	5.42 (2.46)	5.87 (2.66)	7.02 (3.18)	7.57 (3.43)	9.31 (4.22)
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1825	2242	2250	3353	3454	3454	3700
Motor HP	1/12	1/10	1/10	1/5	1/4	1/4	1/4
Motor RPM	1100	1100	1100	1100	1100	1100	1100
COND COIL							
Face Area (Sq ft)	8.40	8.40	11.49	12.93	17.25	19.40	15.09
Fins per In.	20	25	25	25	25	25	20
Rows	1	1	1	1	1	1	2
Circuits	3	3	3	5	5	6	6
VALVE CONNECT. (In. ID)							
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8
Liquid	3/8						
REFRIGERANT TUBES (In. OD)							
Rated Vapor*	3/4	3/4	3/4	7/8	7/8	7/8	1-1/8
Max Liquid Line†	3/8						

*.Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.
†.See *Liquid Line Sizing For Cooling Only Systems with PuronR-410A Refrigerant* tables.

OUTDOOR UNIT CONNECTED TO A FACTORY APPROVED INDOOR UNIT

Check piston size shipped with indoor unit to see if it matches required indoor piston size. If it does not match, replace indoor piston with correct piston size in table below:

OUTDOOR UNIT SIZE - SERIES	FAN COIL	PISTON SIZE BY OUTDOOR MODEL
18	FB4CNF*	49
24	FB4CNF*	55
30	FB4CNF*	61
30 (3-phase)	FB4CNF*	59
36	FB4CNF*	67
36 (3-phase)	FB4CNF*	67
42	FB4CNF*	73
48	FB4CNF*	78
48 (3-phase)	FB4CNF*	76

***** Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.
NOTE: Pistons shipped with outdoor units are only qualified and approved with the above listed fan coils. The piston included with the FFMANP* and FPMAN* fan coils are unique to those products and CANNOT be replaced with the piston shipped with outdoor unit. Refer to the AHRI directory (www.ahridirectory.org) to check if your combination can use a piston or requires an accessory TXV

Liquid Line Sizing and Maximum Total Equivalent Lengths for Cooling Only Systems with Puron® Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See table below for liquid line sizing and maximum lengths :

Maximum Total Equivalent Length
Outdoor Unit BELOW Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor Vertical Separation ft (m)								
			0-5 (0-1.5)	6-10 (1.8-3.0)	11-20 (3.4-6.1)	21-30 (6.4-9.1)	31-40 (9.4-12.2)	41-50 (12.5-15.2)	51-60 (15.5-18.3)	61-70 (18.6-21.3)	71-80 (21.6-24.4)
018	3/8	1/4	150	150	125	100	100	75	—	—	—
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
024	3/8	1/4	75	75	75	50	50	--	--	--	--
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
030	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	175	225*	200	175	125	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
036	3/8	5/16	175	150	150	100	100	100	75	--	--
		3//8	250*	250*	250*	250*	250*	250*	250*	250*	250*
042	3/8	5/16	125	100	100	75	75	50	--	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	150
048	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
060	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--

* Maximum actual length not to exceed 200 ft (61 m)
†Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.
"--"= outside acceptable range

Maximum Total Equivalent Length
Outdoor Unit ABOVE Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor Vertical Separation ft (m)							
			25 (7.6)	26-50 (7.9-15.2)	51-75 (15.5-22.9)	76-100 (23.2-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)
018	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
024	3/8	1/4	100	125	175	200	225*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
030	3/8	1/4	30	--	--	--	--	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
036	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
042	3/8	5/16	175	200	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
048	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
060	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*

* Maximum actual length not to exceed 200 ft (61 m)
†Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.
"--"= outside acceptable range

Refrigerant Charge Adjustments

Liquid Line Size	Puron Charge oz/ft (g/m)
3/8	0.60 (17.74) (Factory charge for lineset = 9 oz / 266.16 g)
5/16	0.40 (11.83)
1/4	0.27 (7.98)

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line*. The factory charge for 3/8" lineset 9 oz. When using other length or diameter liquid lines, charge adjustments are required per the chart above.

Charging Formula:

[(Lineset oz/ft x total length) – (factory charge for lineset)] = charge adjustment

Example 1: System has 15 ft of line set* using existing 1/4" liquid line. What charge adjustment is required?

Formula: (.27 oz/ft x 15ft) – (9 oz) = (-4.95) oz.

Net result is to remove 4.95 oz of refrigerant from the system

Example 2: System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula: (.40 oz/ft. x 45ft) – (9 oz.) = 9 oz.

Net result is to add 9 oz of refrigerant to the system

NOTE: Conditions must be favorable for charging by subcooling method. Indoor temperature must be 70°F to 80°F (21.1°C to 26.7°C), and outdoor temperature must be 70°F to 100°F (21.1°C to 37.8°C). If outside these conditions, adjust charge for long line sets by weigh-in method.

* When applicable. Refer to Physical Data Table in this PD and to the Installation Instructions for more information.

LONG LINE APPLICATIONS

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Air Conditioner systems, the chart below shows when an application is considered Long Line.

AC with Puron Refrigerant Long Line Description ft (m) Beyond these lengths, a TXV is required

Total Length	Outdoor Unit Above or Below Indoor Unit
TXV required beyond 50 ft. (15.2 m)	TXV required beyond 20 ft. (6.1 m)

AC with Puron Refrigerant Long Line Description ft (m) (Beyond these lengths, long line accessories are required)

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4 + TXV	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16 + TXV	120 (36.6)	50 (15.2) vertical or 120 (36.6) total	120 (36.6)
3/8 + TXV	80 (24.4)	35 (10.7) vertical or 80 (24.4) total	80 (24.4)

Note: See Residential Piping and Long Line Guideline for details

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for AC systems with Puronrefrigerant:

Vapor Line Sizing and Cooling Capacity Losses — 1-Stage Air Conditioner with Puron Refrigerant Applications

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)								
			26-50 (7.9-15.2)	51-80 (15.5-24.4)	81-100 (24.7-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
018	3/8	1/2	1	2	3	5	6	7	8	9	11
		5/8	0	1	1	1	2	2	2	3	3
		3/4	0	0	0	0	1	1	1	1	1
024	3/8	5/8	0	1	2	2	3	3	4	5	5
		3/4	0	0	1	1	1	1	1	2	2
		7/8	0	0	0	0	0	1	1	1	1
030	3/8	5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
036	3/8	5/8	1	2	4	5	6	8	9	10	12
		3/4	0	1	1	2	2	3	3	4	4
		7/8	0	0	0	1	1	1	1	2	2
042	3/8	3/4	0	1	2	2	3	4	4	5	6
		7/8	0	0	1	1	1	2	2	2	3
		1 1/8	0	0	0	0	0	0	0	0	0
048	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	1	1
060	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1 1/8	0	0	0	1	1	1	1	1	1

Applications in this area may be long line and may have height restrictions. See the Residential Piping and Long Line Guideline.

ACCESSORIES (For Copper Coil Models)

KIT NUMBER	KIT NAME	Size - Voltage, Series																		
		18-34	24-35	30-33	30-51	36-35	36-51	36-61	36-11	42-30	42-50	42-60	48-36	48-51	48-61	48-11	60-34	60-52	60-62	60-12
HC38GE461	BALL BEARING FAN MOTOR											X								
HC40GE466	BALL BEARING FAN MOTOR														X				X	
KAACH1201AAA	CRANKCASE HEATER KIT									X	X		X	X			X	X		
KAACH1401AAA	CRANKCASE HEATER KIT	X	X	X	X	X	X													
KAACH1501AAA	CRANKCASE HEATER KIT							X												
KAACH1801AAA	CRANKCASE HEATER KIT								X											
KAACH1901AAA	CRANKCASE HEATER KIT											X			X				X	
KAACH2001AAA	CRANKCASE HEATER KIT															X				X
KAAFT0101AAA	FREEZE THERMISTOR KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSACY0101AAA	CYCLE PROTECTOR KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAAWS0101AAA	WINTER START KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSALA1001AAA	MOTORMASTER KIT	X	X	X	X	X	X			X	X		X	X			X	X		
KSALA0701AAA	MOTORMASTER KIT							X				X			X				X	
KAALP0401PUR	LOW PRESS. SWITCH KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAALP0501PUR	HIGH PRESS. SWITCH KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET KIT					X				X	X	X	X	X	X	X	X	X	X	X
KSASF0201AAA	SUPPORT FEET KIT	X	X	X	X		X	X	X											
KSASH2301COP	SOUND BLANKET KIT			X	X		X	X	X	X	X	X	X	X	X	X				
KSASH2401COP	SOUND BLANKET KIT																X	X	X	X
KSASH2501COP	SOUND BLANKET KIT	X	X			X														
KAALS0201LLS	SOLENOID VALVE KIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSAHS1501AAA	COMPRESSOR START ASSIST	X	X	X		X				X			X				X			
KSATX0201PUR	TXV KIT (for use with copper coils)	X	X																	
KSATX0301PUR	TXV KIT (for use w/copper coils)			X	X	X	X	X	X	X	X	X								
KSATX0401PUR	TXV KIT (for use w/copper coils)												X	X	X	X				
KSATX0501PUR	TXV KIT (for use w/copper coils)																X	X	X	X
KSBTX0201PUR	TXV KIT (for use w/aluminum coils)	X	X																	
KSBTX0301PUR	TXV KIT (for use w/aluminum coils)			X	X	X	X	X	X	X	X	X								
KSBTX0401PUR	TXV KIT (for use w/aluminum coils)												X	X	X	X	X	X	X	X

x = Accessory
* Do not use Hard Shutoff TXV with Liquid Solenoid Valve

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

ACCESSORIES (for Aluminum Coil Models)

KIT NUMBER	KIT NAME	18A0L30	24A0L30	30A0L30	36A0L30	42A0L30	48A0L30	60A0L30
KSAFT0101AAA	FRZ THERM KIT	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY KIT	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT KIT	X	X	X	X	X	X	X
KSALA1001AAA	MOTORMASTER KIT	X	X	X	X	X	X	X
KSAHS2501AAA	HARD START KIT	X	X	X	X	X	X	
KSAHS2701AAA	HARD START KIT							X
KSACY0101AAA	CYCLE PROTR KIT	X	X	X	X	X	X	X
KSASF0201AAA	SPRT FEET KIT	X	x	X	X	X	X	X
KAACS0201PTC	PTC KIT	X	x	X	X	X	X	X
KAALS0201LLS*	SOL VALVE KIT	X	x	X	X	X	X	X
KAAWS0101AAA	WINTER ST KIT	X	x	X	X	X	X	X
KAALP0401PUR	PRESSURE SW KIT	X	x	X	X	X	X	X
KAAHI0501PUR	PRESSURE SW KIT	X	x	X	X	X	X	X
KAACH1701AAA	CRKC HTR KIT	X	x	X	X			
KAACH1601AAA	CRKC HTR KIT					X	X	X
KSATX0201PUR	TXV KIT (for use with copper coils)	X	x	X				
KSATX0301PUR	TXV KIT (for use with copper coils)				X	X		
KSATX0401PUR	TXV KIT (for use with copper coils)						X	X
KSBTX0201PUR	TXV KIT (for use with aluminum coils)	X	x	X				
KSBTX0301PUR	TXV KIT (for use with aluminum coils)				X	X		
KSBTX0401PUR	TXV KIT (for use with aluminum coils)						X	X
KSASH2301COP	SOUND BLKT KIT	X	x					
KSASH2401COP	SOUND BLKT KIT					X	X	X
KSASH2501COP	SOUND BLKT KIT			X	X			

x = Accessory

* Do not use Hard Shutoff TXV with Liquid Solenoid Valve

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55°F/12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS*	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/3.22 km)
Ball Bearing Fan Motor	Standard on single-phase models	Standard on single-phase models	Standard on single-phase models
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shut-Off TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	No	No
Motor Master® Control or Low-ambient Pressure Switch	Yes	No	No
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes #	No	No

*For tubing set lengths between 80 and 200 ft. (24.38 and 60.96 m) horizontal or 35 ft. ((10.7 m) vertical differential (total equivalent length), refer to the Residential Split-System Longline Application Guideline.
#Required if Low Pressure Switch is factory or field installed.

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

Usage Guideline:

Required on all units when MotorMaster® is used.

2. Compressor Start Assist - Capacitor and Relay

Start capacitor and relay gives a ”hard” boost to compressor motor at each start up.

Usage Guideline:

Required for reciprocating compressors in the following applications:

- Long line
- Low ambient cooling
- Hard shut off expansion valve on indoor coil
- Liquid line solenoid on indoor coil

Required for single-phase scroll compressors in the following applications:

- Long line
- Low ambient cooling

Suggested for all compressors in areas with a history of low voltage problems.

3. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes the chance of liquid slugging.

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

4. Cycle Protector

The cycle protector is designed to prevent compressor short cycling. This control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including power outage, protector control trip, thermostat jiggling, or normal cycling.

5. Evaporator Freeze Thermostat

An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

6. Low-Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low-ambient temperatures down to 0°F (-18°C) when properly installed.

Usage Guideline:

A Low-Ambient Pressure Switch or MotorMaster® Low-Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

7. MotorMaster® Low-Ambient Controller

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to –10°F/–23.3°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ±5.5°C).

Usage Guideline:

A MotorMaster® Low Ambient Controller or Low-Ambient Pressure Switch must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

Suggested for all commercial applications.

8. Outdoor Air Temperature Sensor

This device enables the thermostat to display the outdoor temperature. This device is also required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for use with compatible Carrier thermostats.

9. Sound Hood

Wraparound sound reducing cover for the compressor. Reduces the sound level of the compressor.

Usage Guideline:

Suggested when unit is installed closer than 15 ft (4.57 m) to quiet areas, bedrooms, etc.

Suggested when unit is installed between two houses less than 10 ft (3.05 m) apart.

Accessory Description and Usage (Listed Alphabetically) Continued

10. Support Feet

Four or five stick-on plastic feet that raise the unit 4 in. (101.6 mm) above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base, minimizing corrosion.

Usage Guideline:

Suggested in the following applications:

Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

For improved sound ratings.

11. Thermostatic Expansion Valve (TXV)

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator.

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

NOTE: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist Capacitor and Relay is required.

Usage Guideline:

Required to achieve AHRI ratings in certain equipment combinations. Refer to combination ratings.

Hard shut off TXV or LLS required in air conditioner long line applications.

Required for use on all zoning systems.

12. Time-Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

NOTE: Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to AHRI Unitary Directory.

13. Winter Start Control

This control is designed to alleviate nuisance opening of the low-pressure switch by bypassing it for the first 3 minutes of operation.

AHRI RATINGS

For AHRI ratings certificates, please refer to the AHRI directory www.ahridirectory.org
Additional ratings and system combinations can be accessed via the Ratings Database here: Carrier database here: www.MyCarrierRatings.com

ELECTRICAL DATA

	UNIT SIZ	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MAX FUSE** or CKT BRK AMPS
			MAX	MIN	LRA	RLA	FLA		
Copper Coil Models	18ABN34	208/230/1	253	197	47.5	9.0	0.50	11.8	20
	24ABN35				62.9	10.9	0.70	14.3	25
	30ABN33				67.8	12.8	0.60	16.6	25
	36ABN35				79.0	13.6	1.10	18.1	30
	42ABN30				112.0	17.9	1.10	23.5	40
	48ABN36				93.0	18.3	1.40	24.3	40
	60ABN34				125.0	22.1	1.40	29.0	50
	30A0051	208/230-3	253	187	58.0	8.3	0.77	11.2	20
	36A0051				71.0	10.5	1.40	14.5	20
	42A0050				88.0	13.5	1.10	18.0	30
	48A0051				83.1	13.1	1.40	17.8	30
	60A0052				110.0	16.0	1.40	21.4	30
	36A0061	460-3	506	414	38.0	5.6	0.70	7.7	15
	42A0060				44.0	6.0	0.60	8.1	15
	48A0061				41.0	6.1	0.70	8.3	15
	60A0062				52.0	7.8	0.70	10.5	15
	36A0011	575-3	532	518	36.5	3.8	0.50	5.3	15
	48A0011				33.0	4.4	0.50	6.0	15
	60A0012				38.9	5.7	0.50	7.6	15
Aluminum Coil Models	18A0L30	208/230/1	253	197	48.0	8.0	0.50	10.5	15
	24A0L30				61.0	10.6	0.70	14.0	20
	30A0L30				67.8	12.8	0.60	16.6	25
	36A0L30				79.0	13.6	1.05	18.1	30
	42A0L30				123.9	19.2	1.40	25.4	40
	48A0L30				93.0	18.3	1.40	24.3	40
	60A0L30				127.9	22.2	1.52	29.3	50

* Permissible limits of the voltage range at which the unit will operate satisfactorily.
** Time-Delay fuse.
Complies with 2007 requirements of ASHRAE Standards 90.1
FLA -Full Load Amps
LRA -Locked Rotor Amps
MCA - Minimum Circuit Amps
RLA -Rated Load Amps
NOTE: Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit.
All motors/compressors contain internal overload protection.

A–WEIGHTED SOUND POWER (dBA)

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	71	49.7	56.5	62.1	67.6	65.2	59.7	53.9
24	74	50.2	60.9	65.5	67.5	65.0	60.7	54.0
30	72	53.6	60.1	65.7	68.3	64.0	60.9	56.5
36	75	57.4	66.4	70.0	70.2	67.6	64.4	58.5
42	78	55.6	66.7	66.6	68.5	65.2	63.1	58.5
48	76	56.4	63.4	69.4	70.4	68.9	69.0	60.1
60	79	59.9	65.5	68.2	70.1	68.4	65.4	61.7

NOTE: Tested in compliance with AHRI 270–2008 (not listed with AHRI)

A–WEIGHTED SOUND POWER (dBA) withSOUND SHIELD

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	70	51.0	57..4	62.3	66.3	63.3	58.7	52.3
24	74	51.5	61.6	65.4	66.8	63.9	60.2	53.2
30	72	53.4	60.7	65.5	67.8	63.6	60.4	54.8
36	75	56.8	65.9	69.5	69.4	67.3	63.5	56.1
42	77	56.0	65.1	66.8	68.4	64.8	62.4	56.3
48	75	56.8	63.1	69.4	70.2	67.7	66.3	59.4
60	79	58.1	65.8	67.9	68.7	66.0	62.0	57.0

NOTE: Tested in compliance with AHRI 270–2008 (not listed with AHRI)

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE	required subcooling (Copper Coil) °F (°C)	required subcooling (Aluminum Coil) °F (°C)	INDOOOR
18	14 (7.8)	14 (7.8)	TXV*
24	10 (5.6)	10 (5.6)	
30	10 (5.6)	11 (6.1)	
36	11 (6.1)	10 (5.6)	
36 (3-ph)	14 (7.8)	N/A	
42	10 (5.6)	10 (5.6)	
48	13 (7.2)	10 (5.6)	
48 (3-ph	15 (8.3)	N/A	
60	15 (8.3)	16 (8.9)	
60 (3-ph)	10 (5.6)	N/A	

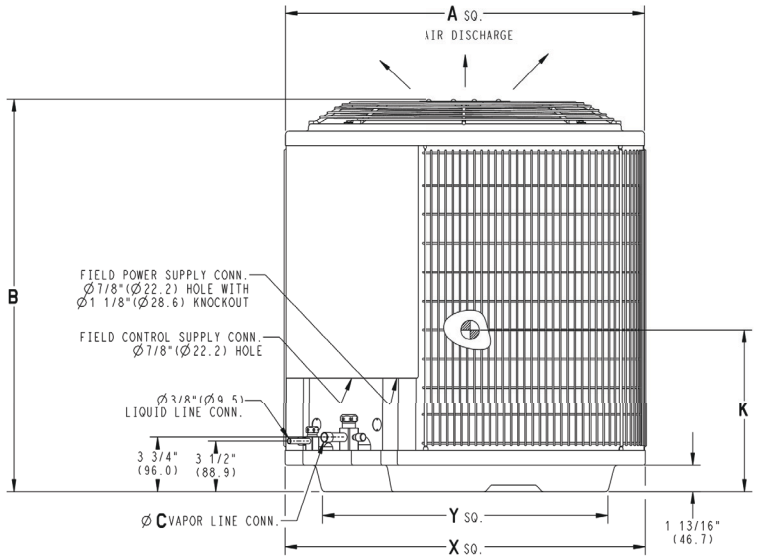
*.TXV must be ordered separately when indoor coil is not equipped with a TXV. TXV must be hard–shutoff type.
NOTE: Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.

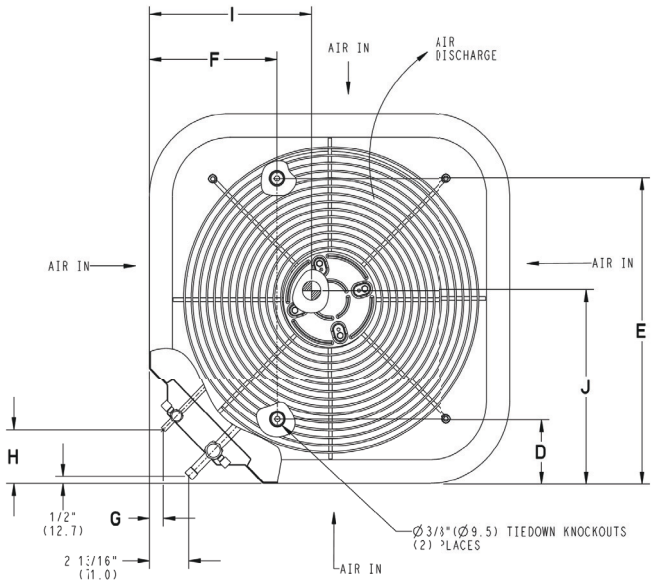
DIMENSIONS (Copper Coil Models)

UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A		B		C		D		E		F		G		H		I		J		K		OPERATING WEIGHT		SHIPPING WEIGHT		SHIPPING LENGTH / WIDTH (Sq.)		SHIPPING HEIGHT	
						INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	Lbs	Kgs	Lbs	Kgs	INCH	MM	INCH	MM
24ABB318ABN34010	4	Y	N	N	N	23 1/8	587.3	25 5/16	642.9	3/4	19.1	4 7/16	113.0	18 1/16	459.0	7 13/16	197.9	5/16	7.9	3	76.2	16 1/2	419.1	15	381.0	12	304.8	107	48.5	120	54.4	26	660.0	30 9/16	775.7
24ABB324ABN35010	5	Y	N	N	N	23 1/8	587.3	25 5/16	642.9	3/4	19.1	4 7/16	113.0	18 1/16	459.0	7 13/16	197.9	5/16	7.9	3	76.2	12 1/2	317.5	11	279.4	12	304.8	107	48.5	120	54.4	26	660.0	30 9/16	775.7
24ABB330A0051011	1	N	Y	N	N	23 1/8	587.3	28 11/16	729.3	3/4	19.1	4 7/16	113.0	18 1/16	459.0	7 13/16	197.9	5/16	7.9	3	76.2	16 1/2	419.1	15	381.0	14	355.6	111	50.3	124	56.2	26	660.0	33 15/16	862.1
24ABB330ABN33010	3	Y	N	N	N	25 3/4	654.0	28 11/16	728.7	3/4	19.1	4 7/16	113.0	21 1/4	539.9	9 1/8	231.3	5/16	7.9	3	76.2	14 1/2	368.3	15 1/2	393.7	12 1/2	317.5	126	57.2	140	63.5	28 3/4	730.0	33 15/16	862.1
24ABB336A00*1011	1	N	Y	Y	Y	25 3/4	654.0	32 1/16	815.1	7/8	22.2	4 7/16	113.0	21 1/4	539.9	9 1/8	231.3	5/16	7.9	3	76.2	14 1/4	362.0	10 1/2	266.7	16	406.4	141	64.0	155	70.3	28 3/4	730.0	37 5/16	948.4
24ABB336ABN35010	5	Y	N	N	N	31 3/16	792.5	25 5/16	642.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15 9/16	395.3	16 1/2	419.1	10 1/4	260.4	134	60.8	150	68.0	34 1/4	870.0	30 1/2	775.2
24ABB342A00*0011	0	N	Y	Y	N	31 3/16	792.5	32 1/16	815.1	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15 3/4	400.1	16 1/4	412.8	13 3/4	349.3	190	86.2	207	93.9	34 1/4	870.0	37 5/16	947.9
24ABB342A0N30011	0	Y	N	N	N	31 3/16	792.5	32 1/16	815.1	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15 3/4	400.1	16 1/4	412.8	13 3/4	349.3	190	86.2	207	93.9	34 1/4	870.0	37 5/16	947.9
24ABB348A00*1011	1	N	Y	Y	Y	31 3/16	792.5	35 1/2	901.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	16 3/8	415.9	15 3/8	390.5	15 1/4	387.4	186	84.4	203	92.1	34 1/4	870.0	40 3/4	1034.3
24ABB348ABN36010	6	Y	N	N	N	31 3/16	792.5	35 1/2	901.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15 3/4	400.1	16 3/8	415.9	15 5/8	396.9	175	79.4	192	87.1	34 1/4	870.0	40 3/4	1034.3
24ABB360A00*2011	2	N	Y	Y	Y	31 3/16	792.5	28 11/16	728.7	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	16	406.4	15 1/2	393.7	12 3/4	323.9	198	89.8	214	97.1	34 1/4	870.0	33 15/16	861.6
24ABB360A0N34011	4	Y	N	N	N	31 3/16	792.5	28 11/16	728.7	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	16	406.4	15 1/2	393.7	12 3/4	323.9	199	90.3	215	97.5	34 1/4	870.0	33 15/16	861.6
		208-230-1-60	208/230-3-60	460-3-60	575-3-60	Y=YES N=NO																													

NOTES:

1. CENTER OF GRAVITY ⊕ .





UNIT SIZE	"X" MINIMUM GROUND MOUNTING PAD APPLICATION DIMENSIONS		"Y" MINIMUM ROOF-TOP MOUNTING PAD APPLICATION DIMENSIONS	
18,24,30(3Ø)	23 1/8	587.3	17 7/8	454.6
30(1Ø),36(3Ø)	25 3/4	654.0	20 7/16	518.5
36(1Ø),42,48,60	31 3/16	792.5	22 15/16	583.2
-	35	889.0	26 3/4	679.7

NOTE: ALL DIMENSIONS IN INCH (MM)

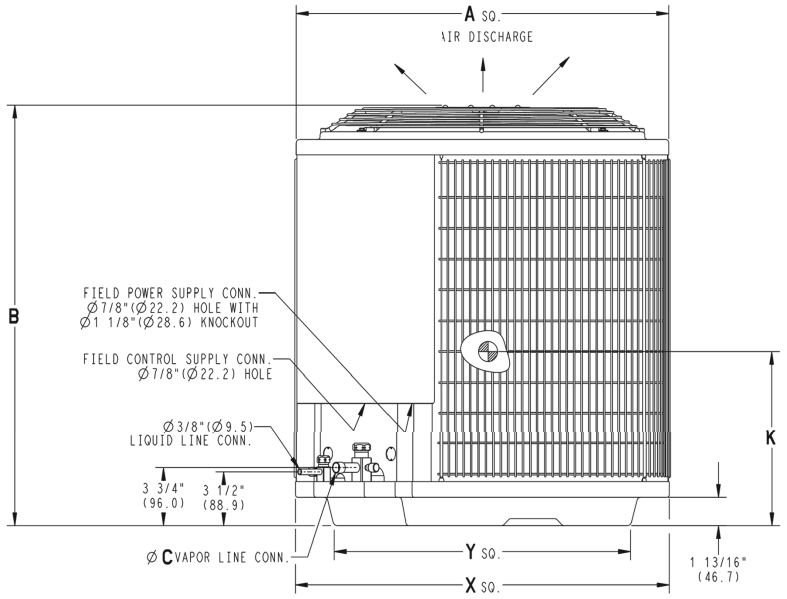
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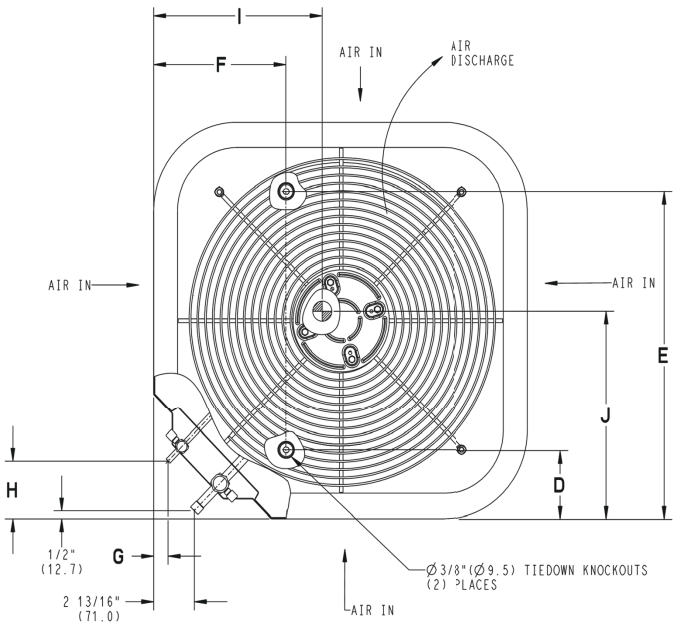
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Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

DIMENSIONS (Aluminum Coil Models)

UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A		B		C		D		E		F		G		H		I		J		K		OPERATING WEIGHT		SHIPPING WEIGHT		SHIPPING LENGTH / WIDTH (Sq.)		SHIPPING HEIGHT	
						INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	Lbs	Kgs	Lbs	Kgs	INCH	MM	INCH	MM
24ABB318A0L30011	0	Y	N	N	N	23 1/8	587.3	25 5/16	642.9	3/4	19.1	4 7/16	113.0	18 1/16	459.0	7 13/16	197.9	5/16	7.9	3	76.2	11 3/4	298.5	12 1/2	317.5	12	304.8	98	44.5	111	50.3	26	660.0	30 9/16	775.7
24ABB324A0L30011	0	Y	N	N	N	23 1/8	587.3	25 5/16	642.9	3/4	19.1	4 7/16	113.0	18 1/16	459.0	7 13/16	197.9	5/16	7.9	3	76.2	12	304.8	12	304.8	11 1/2	292.1	100	45.1	112	50.8	26	660.0	30 9/16	775.7
24ABB330A0L30011	0	Y	N	N	N	25 3/4	654.0	28 11/16	728.7	3/4	19.1	4 7/16	113.0	21 1/4	539.9	9 1/8	231.3	5/16	7.9	3	76.2	13 3/4	349.3	12 1/2	317.5	13	330.2	114	51.5	128	58.1	28 3/4	730.0	33 15/16	862.1
24ABB336A0L30011	0	Y	N	N	N	31 3/16	792.5	25 5/16	642.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	14	355.6	14 1/2	368.3	11	279.4	128	58.1	147	66.5	34 1/4	870.0	30 1/2	775.2
24ABB342A0L30011	0	Y	N	N	N	31 3/16	792.5	32 1/16	815.1	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	14 3/4	374.7	17 3/4	450.9	15 1/2	393.7	170	77.1	194	88.2	34 1/4	870.0	37 5/16	947.9
24ABB348A0L30011	0	Y	N	N	N	31 3/16	792.5	35 1/2	901.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15 3/4	400.1	14 3/4	374.7	17	431.8	165	74.6	186	84.4	34 1/4	870.0	40 3/4	1034.3
24ABB360A0L30011	0	Y	N	N	N	31 3/16	792.5	28 11/16	728.7	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15	381.0	15 1/4	387.4	13 1/2	342.9	183	83.1	202	91.8	34 1/4	870.0	33 15/16	861.6
		208-230-1-60	208/230-3-60	460-3-60	575-3-60	Y=YES N=NO																													





NOTES:

1. CENTER OF GRAVITY .

UNIT SIZE	"X" MINIMUM GROUND MOUNTING PAD APPLICATION DIMENSIONS		"Y" MINIMUM ROOF-TOP MOUNTING PAD APPLICATION DIMENSIONS	
18,24	23 1/8	587.3	17 7/8	454.6
30	25 3/4	654.0	20 7/16	518.5
36,42,48,60	31 3/16	792.5	22 15/16	583.2
-	35	889.0	26 3/4	679.7

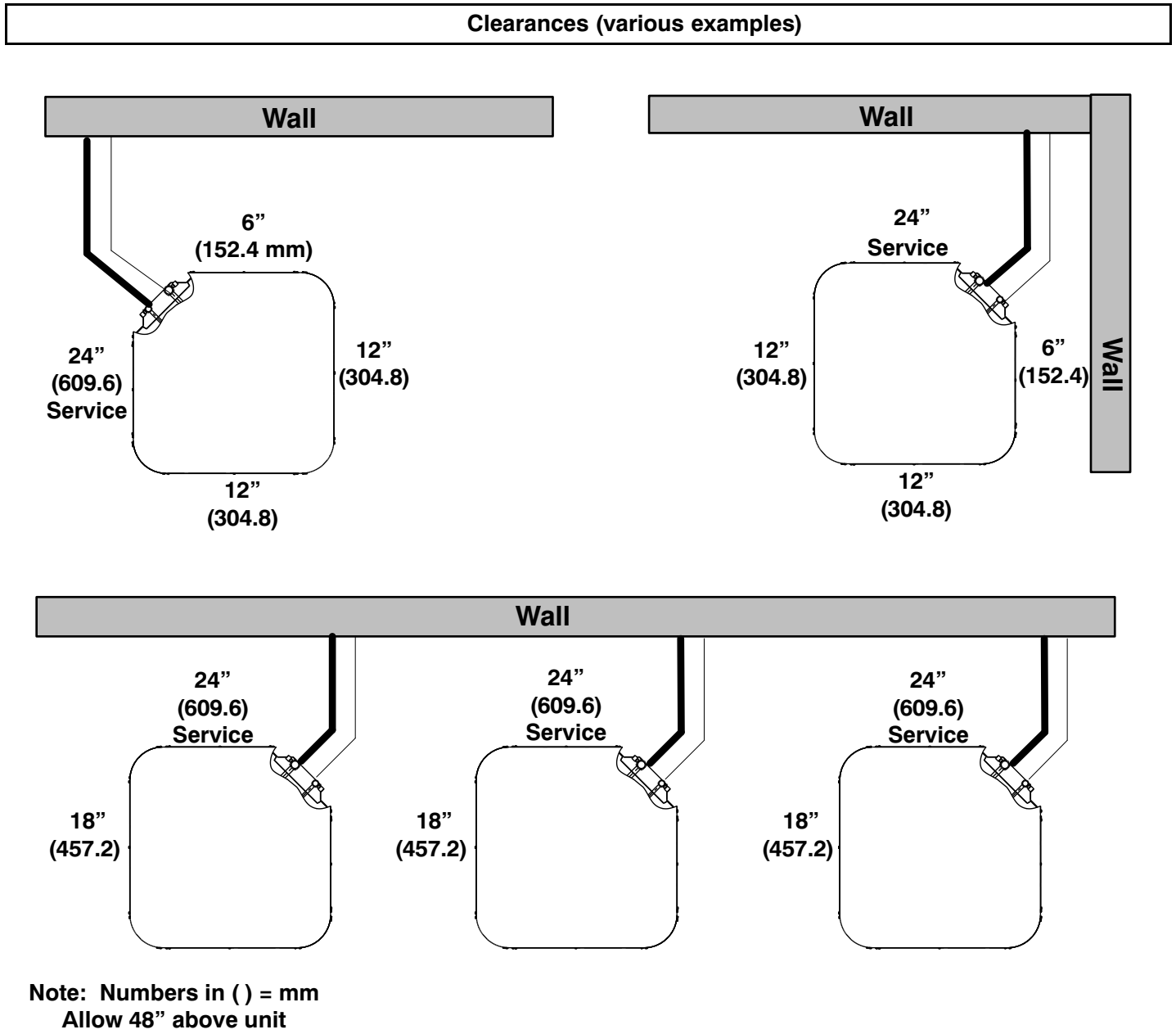
NOTE: ALL DIMENSIONS IN INCH (MM)

U.S. ECCN: Not Subject to Regulation (N.S.R.)

SD5588-4 REV. C

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

CLEARANCES



IMPORTANT: When installing multiple units in an alcove, roof well, or partially enclosed area, ensure there is adequate ventilation to prevent re-circulation of discharge air.

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Detailed Cooling Capacities# - Copper Coil Models

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)														
		75 (23.9)		85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			
CFM	EWB °F (°C)	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB318ABN34Outdoor Section With CNPV*2414AL* Indoor Section																
525	72 (22.2)	21.21	11.38	1.27	20.31	11.05	1.42	19.41	10.71	1.59	18.37	10.33	1.78	17.33	9.96	2.02
	67 (19.4)	19.33	14.06	1.28	18.52	13.73	1.43	17.62	13.36	1.60	16.64	12.96	1.79	15.65	12.56	2.02
	63 (17.2)††	18.04	16.20	1.29	17.23	15.83	1.44	16.39	15.44	1.60	15.49	15.02	1.79	14.60	14.56	2.02
	62 (16.7)	17.76	16.72	1.29	16.97	16.34	1.44	16.16	15.93	1.60	15.36	15.36	1.79	14.58	14.58	2.02
	57 (13.9)	17.47	17.47	1.30	16.77	16.77	1.44	16.08	16.08	1.60	15.34	15.34	1.79	14.56	14.56	2.02
600	72 (22.2)	21.47	11.95	1.30	20.62	11.65	1.45	19.68	11.30	1.62	18.64	10.93	1.81	17.55	10.55	2.05
	67 (19.4)	19.71	15.05	1.31	18.81	14.68	1.46	17.90	14.32	1.63	16.89	13.92	1.82	15.88	13.52	2.05
	63 (17.2)††	18.40	17.43	1.32	17.61	17.05	1.46	16.77	16.64	1.63	15.96	15.96	1.82	15.14	15.14	2.05
	62 (16.7)	18.19	18.01	1.32	17.54	17.28	1.46	16.74	16.74	1.63	15.96	15.96	1.82	15.14	15.14	2.05
	57 (13.9)	18.12	18.12	1.32	17.44	17.44	1.47	16.72	16.72	1.63	15.93	15.93	1.82	15.12	15.12	2.05
675	72 (22.2)	21.70	12.53	1.33	20.81	12.21	1.48	19.86	11.87	1.65	18.78	11.49	1.84	17.62	11.09	2.06
	67 (19.4)	19.88	15.95	1.34	19.03	15.61	1.49	18.11	15.24	1.66	17.08	14.83	1.85	16.07	14.43	2.08
	63 (17.2)††	18.79	18.56	1.35	18.02	18.02	1.49	17.27	17.27	1.66	16.44	16.44	1.85	15.60	15.60	2.08
	62 (16.7)	18.71	18.71	1.34	18.02	18.02	1.49	17.26	17.26	1.66	16.44	16.44	1.85	15.59	15.59	2.08
	57 (13.9)	18.70	18.70	1.34	18.00	18.00	1.49	17.24	17.24	1.66	16.41	16.41	1.85	15.57	15.57	2.08
24ABB324ABN35 Outdoor Section With CNPV*2414AL* Indoor Section																
700	72 (22.2)	27.00	13.49	1.54	26.00	13.12	1.78	24.88	12.71	2.05	23.60	12.25	2.37	22.20	11.77	2.74
	67 (19.4)	24.70	16.72	1.54	23.76	16.33	1.78	22.68	15.90	2.05	21.51	15.44	2.37	20.23	14.95	2.74
	63 (17.2)††	23.00	16.10	1.55	22.07	15.69	1.78	21.07	15.26	2.06	19.97	14.80	2.37	18.77	14.30	2.75
	62 (16.7)	22.70	19.89	1.55	21.81	19.46	1.78	20.88	18.99	2.06	19.95	19.95	2.37	18.98	18.98	2.75
	57 (13.9)	22.29	22.29	1.55	21.58	21.58	1.78	20.79	20.79	2.06	19.92	19.92	2.37	18.96	18.96	2.75
800	72 (22.2)	27.39	14.17	1.57	26.35	13.79	1.81	25.20	13.38	2.09	23.87	12.92	2.41	22.42	12.43	2.78
	67 (19.4)	25.08	17.82	1.58	24.11	17.43	1.82	23.00	17.00	2.09	21.79	16.53	2.41	20.47	16.03	2.78
	63 (17.2)††	23.39	17.14	1.58	22.43	16.72	1.82	21.39	16.28	2.09	20.26	15.81	2.41	19.02	15.30	2.79
	62 (16.7)	23.24	21.32	1.58	22.43	22.43	1.82	21.59	21.59	2.09	20.66	20.66	2.41	19.62	19.62	2.79
	57 (13.9)	23.16	23.16	1.58	22.40	22.40	1.82	21.56	21.56	2.09	20.63	20.63	2.41	19.60	19.60	2.79
900	72 (22.2)	27.66	14.81	1.61	26.59	14.43	1.85	25.41	14.02	2.13	24.05	13.56	2.45	22.57	13.06	2.82
	67 (19.4)	25.36	18.88	1.61	24.37	18.49	1.85	23.24	18.05	2.13	22.00	17.57	2.45	20.65	17.05	2.82
	63 (17.2)††	23.67	18.11	1.62	22.70	17.70	1.85	21.63	17.25	2.13	20.47	16.77	2.45	19.21	16.24	2.83
	62 (16.7)	23.89	23.89	1.62	23.10	23.10	1.85	22.21	22.21	2.13	21.22	21.22	2.45	20.13	20.13	2.83
	57 (13.9)	23.86	23.86	1.62	23.07	23.07	1.85	22.18	22.18	2.13	21.20	21.20	2.45	20.11	20.11	2.83

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Detailed Cooling Capacities# - Copper Coil Models (Continued)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)														
		75 (23.9)		85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			
CFM	EWB °F (°C)	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB330ABN33 Outdoor Section With CNPV*3117AL* Indoor Section																
875	72 (22.2)	33.22	16.91	2.06	31.69	16.39	2.26	30.06	15.84	2.50	28.48	15.31	2.77	27.41	14.95	3.12
	67 (19.4)	30.28	21.08	2.05	28.91	20.56	2.25	27.54	20.04	2.49	26.13	19.52	2.76	24.98	19.08	3.10
	63 (17.2)††	28.16	20.25	2.04	27.05	19.80	2.25	25.78	19.28	2.49	24.46	18.76	2.76	22.86	18.13	3.08
	62 (16.7)	28.07	25.27	2.05	26.80	26.56	2.25	25.71	25.71	2.48	24.60	24.60	2.76	23.29	23.29	3.08
	57 (13.9)	27.67	27.67	2.04	26.71	26.71	2.25	25.67	25.67	2.48	24.55	24.55	2.76	23.26	23.26	3.08
970	72 (22.2)	33.81	17.69	2.10	32.00	17.08	2.30	30.30	16.51	2.53	28.71	15.99	2.81	27.49	15.59	3.14
	67 (19.4)	30.64	22.21	2.09	29.20	21.67	2.29	27.80	21.15	2.53	26.35	20.61	2.80	25.09	20.14	3.13
	63 (17.2)††	28.55	21.32	2.08	27.34	20.83	2.29	26.03	20.31	2.52	24.67	19.76	2.79	23.13	19.14	3.11
	62 (16.7)	28.67	28.67	2.09	27.47	27.47	2.29	26.36	26.36	2.52	25.20	25.20	2.80	24.14	24.14	3.14
	57 (13.9)	28.57	28.57	2.09	27.43	27.43	2.29	26.33	26.33	2.52	25.14	25.14	2.79	24.21	24.21	3.13
1125	72 (22.2)	34.10	18.74	2.16	32.36	18.17	2.36	30.60	17.59	2.60	28.93	17.05	2.87	27.70	16.66	3.20
	67 (19.4)	31.10	23.99	2.15	29.57	23.42	2.36	28.11	22.88	2.59	26.63	22.32	2.86	25.46	21.89	3.21
	63 (17.2)††	29.25	23.06	2.15	27.68	22.44	2.35	26.34	21.90	2.59	24.91	21.33	2.86	23.65	20.80	3.19
	62 (16.7)	29.57	29.57	2.15	28.41	28.41	2.35	27.20	27.20	2.59	25.99	25.99	2.86	25.03	25.03	3.20
	57 (13.9)	29.57	29.57	2.15	28.38	28.38	2.35	27.20	27.20	2.59	25.95	25.95	2.86	24.99	24.99	3.20
24ABB336ABN35 Outdoor Section With CAP3721AL* Indoor Section**																
1050	72 (22.2)	41.02	21.66	2.54	39.40	21.07	2.83	37.67	20.45	3.14	35.71	19.75	3.48	33.44	18.95	3.91
	67 (19.4)	37.34	26.81	2.53	35.82	26.20	2.81	34.20	25.55	3.11	32.39	24.83	3.45	30.24	23.98	3.87
	63 (17.2)††	34.68	25.78	2.53	33.23	25.15	2.81	31.71	24.49	3.10	29.97	23.75	3.44	27.94	22.89	3.85
	62 (16.7)	34.09	31.81	2.53	32.69	31.14	2.81	31.25	31.03	3.10	29.79	29.79	3.44	28.17	28.17	3.85
	57 (13.9)	33.44	33.44	2.53	32.31	32.31	2.81	31.10	31.10	3.10	29.74	29.74	3.43	28.12	28.12	3.85
1200	72 (22.2)	41.67	22.87	2.60	40.00	22.28	2.90	38.19	21.64	3.21	36.16	20.93	3.56	33.84	20.12	3.98
	67 (19.4)	37.97	28.72	2.59	36.42	28.10	2.88	34.74	27.44	3.18	32.86	26.71	3.52	30.66	25.85	3.93
	63 (17.2)††	35.32	27.56	2.59	33.82	26.92	2.87	32.24	26.25	3.17	30.45	25.49	3.50	28.36	24.62	3.92
	62 (16.7)	35.04	34.70	2.59	33.72	33.72	2.87	32.44	32.44	3.16	30.99	30.99	3.50	29.26	29.26	3.92
	57 (13.9)	34.87	34.87	2.59	33.67	33.67	2.87	32.39	32.39	3.16	30.95	30.95	3.50	29.22	29.22	3.92
1350	72 (22.2)	42.14	24.02	2.67	40.41	23.42	2.97	38.56	22.78	3.28	36.48	22.06	3.63	34.10	21.25	4.05
	67 (19.4)	38.45	30.58	2.65	36.85	29.95	2.94	35.14	29.28	3.24	33.22	28.53	3.58	30.99	27.65	4.00
	63 (17.2)††	35.80	29.28	2.65	34.26	28.63	2.93	32.63	27.95	3.23	30.83	27.19	3.57	28.68	26.27	3.98
	62 (16.7)	36.12	36.12	2.65	34.86	34.86	2.93	33.50	33.50	3.23	31.98	31.98	3.57	30.16	30.16	3.99
	57 (13.9)	36.07	36.07	2.65	34.81	34.81	2.93	33.45	33.45	3.23	31.94	31.94	3.57	30.12	30.12	3.99

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Detailed Cooling Capacities# - Copper Coil Models (Continued)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)														
		75 (23.9)		85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			
CFM	EWB °F (°C)	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB342A0N30 Outdoor Section With CAP4221AL* Indoor Section**																
1275	72 (22.2)	48.80	25.83	3.03	46.63	25.00	3.35	44.37	24.15	3.73	41.99	23.27	4.17	39.49	22.35	4.68
	67 (19.4)	44.50	31.73	2.97	42.51	30.90	3.28	40.44	30.04	3.64	38.27	29.15	4.07	35.97	28.21	4.58
	63 (17.2)††	41.32	30.53	2.92	39.48	29.70	3.23	37.55	28.84	3.59	35.52	27.95	4.01	33.37	27.01	4.51
	62 (16.7)	40.82	37.56	2.92	39.08	36.71	3.23	37.26	35.78	3.59	35.38	34.77	4.01	33.52	33.52	4.51
	57 (13.9)	39.84	39.84	2.91	38.41	38.41	3.22	36.87	36.87	3.58	35.24	35.24	4.01	33.48	33.48	4.51
1400	72 (22.2)	49.54	27.00	3.12	47.29	26.16	3.44	44.94	25.29	3.82	42.48	24.40	4.26	39.89	23.46	4.77
	67 (19.4)	45.19	33.62	3.05	43.14	32.78	3.36	41.00	31.91	3.73	38.77	31.01	4.16	36.40	30.06	4.66
	63 (17.2)††	42.00	32.30	3.00	40.11	31.46	3.31	38.11	30.59	3.67	36.04	29.69	4.09	33.79	28.71	4.59
	62 (16.7)	41.74	40.09	3.00	40.01	39.15	3.31	38.18	38.18	3.67	36.47	36.47	4.10	34.60	34.60	4.61
	57 (13.9)	41.35	41.35	2.99	39.81	39.81	3.31	38.17	38.17	3.67	36.43	36.43	4.10	34.57	34.57	4.61
1575	72 (22.2)	50.11	28.13	3.20	47.78	27.28	3.52	45.37	26.40	3.90	42.83	25.49	4.34	40.18	24.54	4.86
	67 (19.4)	45.76	35.48	3.12	43.64	34.62	3.44	41.45	33.74	3.81	39.16	32.81	4.24	36.73	31.83	4.75
	63 (17.2)††	42.56	34.03	3.08	40.60	33.17	3.39	38.55	32.28	3.75	36.40	31.34	4.17	34.14	30.34	4.67
	62 (16.7)	42.60	42.59	3.08	41.00	41.00	3.40	39.27	39.27	3.76	37.44	37.44	4.20	35.48	35.48	4.71
	57 (13.9)	42.59	42.59	3.08	40.96	40.96	3.39	39.22	39.22	3.76	37.40	37.40	4.20	35.44	35.44	4.71
24ABB348ABN36 Outdoor Section With CAP6021AL* Indoor Section**																
1275	72 (22.2)	53.20	26.31	3.12	50.85	25.14	3.54	48.37	23.95	4.02	45.80	22.76	4.56	43.04	21.54	5.16
	67 (19.4)	48.41	32.16	3.11	46.26	30.89	3.51	43.98	29.61	3.99	41.58	28.31	4.54	39.04	26.99	5.14
	63 (17.2))††	44.98	30.98	3.09	42.95	29.73	3.50	40.81	28.45	3.98	38.56	27.16	4.52	36.17	25.84	5.12
	62 (16.7)	44.28	37.94	3.09	42.32	36.55	3.49	40.26	35.14	3.97	38.12	33.68	4.52	35.88	35.88	5.12
	57 (13.9)	42.89	42.89	3.08	41.29	41.29	3.49	39.60	39.60	3.97	37.79	37.79	4.51	35.87	35.87	5.12
1425	72 (22.2)	54.02	27.40	3.18	51.59	26.20	3.60	49.04	25.00	4.08	46.35	23.77	4.62	43.54	22.54	5.22
	67 (19.4)	49.19	33.90	3.17	46.95	32.60	3.58	44.60	31.28	4.06	42.14	29.94	4.60	39.52	28.58	5.20
	63 (17.2))††	45.73	32.61	3.15	43.63	31.31	3.56	41.42	30.00	4.04	39.10	28.67	4.58	36.64	27.31	5.19
	62 (16.7)	45.16	40.27	3.15	43.16	38.80	3.56	41.10	37.27	4.04	39.09	39.09	4.58	37.07	37.07	5.19
	57 (13.9)	44.41	44.41	3.15	42.73	42.73	3.55	40.93	40.93	4.04	39.04	39.04	4.58	37.01	37.01	5.19
1575	72 (22.2)	54.66	28.45	3.24	52.17	27.23	3.65	49.54	25.99	4.14	46.79	24.75	4.68	43.91	23.49	5.29
	67 (19.4)	49.79	35.58	3.23	47.50	34.25	3.64	45.10	32.89	4.12	42.56	31.51	4.66	39.90	30.11	5.27
	63 (17.2))††	46.31	34.17	3.21	44.17	32.84	3.62	41.90	31.49	4.10	39.52	30.12	4.64	37.02	28.73	5.25
	62 (16.7)	45.98	42.43	3.21	44.01	43.95	3.62	42.13	42.13	4.10	40.15	40.15	4.65	38.03	38.03	5.25
	57 (13.9)	45.72	45.72	3.21	43.95	43.95	3.62	42.08	42.08	4.10	40.10	40.10	4.65	37.98	37.98	5.25

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Detailed Cooling Capacities# - Copper Coil Models (Continued)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)														
		75 (23.9)		85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			
CFM	EWB °F (°C)	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB360A0N34 Outdoor Section With CAP6024A** Indoor Section**																
1750	72 (22.2)	68.71	34.82	4.37	65.76	33.74	4.81	62.59	32.60	5.30	59.21	31.39	5.84	55.54	30.09	6.42
	67 (19.4)	63.16	43.00	4.29	60.43	41.90	4.74	57.50	40.73	5.23	54.39	39.50	5.77	51.03	38.20	6.36
	63 (17.2)††	59.15	41.80	4.24	56.59	40.69	4.68	53.84	39.50	5.18	50.92	38.26	5.72	47.79	36.96	6.31
	62 (16.7)	58.14	51.13	4.23	55.65	49.99	4.67	53.01	48.77	5.16	50.27	47.45	5.71	47.55	47.55	6.31
	57 (13.9)	56.63	56.63	4.21	54.60	54.60	4.66	52.42	52.42	5.16	50.09	50.09	5.71	47.55	47.55	6.31
2000	72 (22.2)	69.71	36.45	4.48	66.67	35.37	4.92	63.38	34.20	5.41	59.88	32.98	5.95	56.07	31.67	6.53
	67 (19.4)	64.15	45.67	4.40	61.31	44.55	4.85	58.27	43.36	5.34	55.05	42.13	5.87	51.58	40.80	6.46
	63 (17.2)††	60.14	44.30	4.35	57.47	43.18	4.79	54.61	41.98	5.28	51.60	40.73	5.82	48.36	39.39	6.42
	62 (16.7)	59.33	54.75	4.34	56.80	53.54	4.78	54.23	54.23	5.28	51.77	51.77	5.83	49.05	49.05	6.42
	57 (13.9)	58.75	58.75	4.33	56.59	56.59	4.78	54.26	54.26	5.28	51.77	51.77	5.83	49.05	49.05	6.42
2250	72 (22.2)	70.44	37.99	4.59	67.31	36.90	5.03	63.93	35.73	5.52	60.33	34.49	6.05	56.41	33.16	6.63
	67 (19.4)	64.85	48.20	4.51	61.94	47.09	4.95	58.82	45.89	5.44	55.52	44.63	5.98	51.96	43.27	6.56
	63 (17.2)††	60.84	46.68	4.45	58.11	45.56	4.90	55.17	44.34	5.39	52.08	43.07	5.93	48.77	41.69	6.52
	62 (16.7)	60.44	60.44	4.45	58.18	58.18	4.90	55.72	55.72	5.40	53.10	53.10	5.94	50.23	50.23	6.54
	57 (13.9)	60.47	60.47	4.45	58.19	58.19	4.90	55.73	55.73	5.40	53.10	53.10	5.94	50.23	50.23	6.54

NOTES:

* Tested combination.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

** System kw is total of indoor and outdoor unit kilowatts.

†† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

EWB — Entering Wet Bulb

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

DETAILED COOLING CAPACITIES# -ALUMINUM COIL MODELS

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB318A0L30 Outdoor Section With CNPV*2414AL* Indoor Section																			
525	72 (22.2)	20.94	9.89	1.25	20.10	9.61	1.40	19.19	9.31	1.56	18.18	8.98	1.76	17.07	8.62	1.97	15.84	8.23	2.22
	67 (19.4)	19.03	12.17	1.26	18.21	11.87	1.40	17.34	11.55	1.57	16.39	11.20	1.76	15.35	10.83	1.98	14.21	10.43	2.22
	63 (17.2)††	17.63	11.69	1.27	16.83	11.37	1.41	15.99	11.04	1.58	15.09	10.69	1.76	14.11	10.32	1.98	13.03	9.91	2.23
	62 (16.7)	17.37	14.40	1.27	16.60	14.07	1.41	15.81	13.73	1.57	15.02	15.02	1.76	14.24	14.24	1.98	13.37	13.37	2.22
	57 (13.9)	16.99	16.99	1.27	16.36	16.36	1.41	15.70	15.70	1.58	14.99	14.99	1.76	14.21	14.21	1.98	13.35	13.35	2.22
600	72 (22.2)	21.30	10.41	1.27	20.43	10.13	1.42	19.50	9.83	1.59	18.45	9.50	1.78	17.31	9.14	2.00	16.04	8.74	2.25
	67 (19.4)	19.39	13.00	1.28	18.55	12.70	1.43	17.64	12.38	1.60	16.66	12.03	1.79	15.60	11.65	2.01	14.43	11.24	2.25
	63 (17.2)††	17.98	12.47	1.29	17.15	12.15	1.44	16.29	11.82	1.60	15.36	11.46	1.79	14.34	11.07	2.01	13.24	10.65	2.26
	62 (16.7)	17.82	15.51	1.29	17.08	17.08	1.44	16.39	16.39	1.60	15.63	15.63	1.79	14.80	14.80	2.01	13.88	13.88	2.25
	57 (13.9)	17.72	17.72	1.29	17.06	17.06	1.44	16.36	16.36	1.60	15.61	15.61	1.79	14.78	14.78	2.01	13.86	13.86	2.25
650	72 (22.2)	21.48	10.75	1.29	20.60	10.46	1.44	19.65	10.16	1.61	18.59	9.83	1.80	17.43	9.46	2.02	16.14	9.07	2.26
	67 (19.4)	19.57	13.54	1.30	18.72	13.24	1.45	17.80	12.91	1.62	16.81	12.56	1.81	15.72	12.18	2.03	14.54	11.76	2.27
	63 (17.2)††	18.16	12.97	1.31	17.32	12.65	1.46	16.44	12.31	1.62	15.50	11.95	1.81	14.47	11.56	2.03	13.35	11.12	2.28
	62 (16.7)	18.16	18.16	1.31	17.48	17.48	1.46	16.76	16.76	1.62	15.98	15.98	1.81	15.12	15.12	2.03	14.17	14.17	2.27
	57 (13.9)	18.14	18.14	1.31	17.46	17.46	1.46	16.74	16.74	1.62	15.96	15.96	1.81	15.10	15.10	2.03	14.15	14.15	2.27
24ABB324A0L30 Outdoor Section With CNPV*2414AL* Indoor Section																			
700	72 (22.2)	27.35	13.52	1.65	26.18	13.11	1.84	24.90	12.67	2.05	23.50	12.20	2.29	22.02	11.70	2.57	20.45	11.18	2.89
	67 (19.4)	24.99	16.71	1.66	23.88	16.29	1.84	22.67	15.83	2.05	21.39	15.35	2.29	20.02	14.84	2.57	18.57	14.31	2.89
	63 (17.2)††	23.23	16.08	1.67	22.17	15.65	1.85	21.04	15.19	2.06	19.83	14.70	2.30	18.54	14.18	2.58	17.17	13.64	2.89
	62 (16.7)	22.93	19.84	1.67	21.92	19.39	1.85	20.86	18.89	2.06	19.80	19.80	2.30	18.75	18.75	2.57	17.62	17.62	2.89
	57 (13.9)	22.48	22.48	1.67	21.65	21.65	1.85	20.74	20.74	2.06	19.77	19.77	2.30	18.72	18.72	2.57	17.60	17.60	2.89
800	72 (22.2)	27.75	14.19	1.69	26.54	13.78	1.87	25.22	13.34	2.08	23.78	12.86	2.33	22.25	12.36	2.61	20.63	11.84	2.93
	67 (19.4)	25.39	17.81	1.70	24.25	17.38	1.88	23.00	16.92	2.09	21.68	16.43	2.33	20.27	15.91	2.61	18.78	15.36	2.93
	63 (17.2)††	23.65	17.11	1.71	22.54	16.67	1.89	21.37	16.20	2.10	20.13	15.70	2.34	18.80	15.17	2.61	17.40	14.61	2.93
	62 (16.7)	23.49	21.28	1.71	22.50	22.50	1.89	21.55	21.55	2.09	20.51	20.51	2.34	19.40	19.40	2.61	18.20	18.20	2.93
	57 (13.9)	23.37	23.37	1.71	22.48	22.48	1.89	21.52	21.52	2.09	20.49	20.49	2.34	19.37	19.37	2.61	18.17	18.17	2.93
900	72 (22.2)	28.04	14.83	1.73	26.80	14.42	1.91	25.45	13.98	2.12	23.97	13.49	2.37	22.40	12.99	2.65	20.75	12.45	2.96
	67 (19.4)	25.68	18.85	1.74	24.52	18.43	1.92	23.24	17.95	2.13	21.89	17.45	2.37	20.46	16.92	2.65	18.95	16.34	2.96
	63 (17.2)††	23.95	18.09	1.74	22.82	17.64	1.92	21.62	17.16	2.13	20.34	16.65	2.38	19.00	16.10	2.65	17.58	15.50	2.97
	62 (16.7)	24.13	24.13	1.74	23.19	23.19	1.92	22.17	22.17	2.13	21.08	21.08	2.37	19.91	19.91	2.65	18.65	18.65	2.96
	57 (13.9)	24.09	24.09	1.74	23.16	23.16	1.92	22.14	22.14	2.13	21.06	21.06	2.37	19.89	19.89	2.65	18.63	18.63	2.96
24ABB330A0L30 Outdoor Section With CNPV*3117AL* Indoor Section																			
875	72 (22.2)	32.87	16.84	2.04	31.57	16.38	2.25	30.11	15.87	2.49	28.53	15.33	2.76	27.02	14.81	3.11	25.09	14.16	3.48
	67 (19.4)	30.01	20.91	2.03	28.76	20.42	2.24	27.42	19.90	2.48	25.96	19.35	2.75	24.39	18.75	3.07	22.76	18.14	3.46
	63 (17.2)††	27.92	20.11	2.03	26.74	19.62	2.24	25.49	19.10	2.47	24.12	18.53	2.75	22.64	17.93	3.07	21.07	17.29	3.46
	62 (16.7)	27.58	24.90	2.03	26.47	24.38	2.23	25.31	25.18	2.47	24.18	24.18	2.75	22.96	22.96	3.07	21.67	21.67	3.46
	57 (13.9)	27.20	27.20	2.03	26.30	26.30	2.24	25.25	25.25	2.47	24.14	24.14	2.75	22.93	22.93	3.07	21.64	21.64	3.45
1000	72 (22.2)	33.32	17.72	2.09	32.02	17.27	2.30	30.49	16.76	2.54	28.86	16.20	2.81	27.31	15.69	3.16	25.32	15.03	3.53
	67 (19.4)	30.49	22.35	2.08	29.19	21.86	2.29	27.80	21.33	2.53	26.32	20.77	2.80	24.72	20.16	3.12	23.04	19.53	3.51
	63 (17.2)††	28.39	21.46	2.08	27.18	20.95	2.29	25.87	20.42	2.52	24.46	19.85	2.80	22.94	19.22	3.12	21.35	18.57	3.51
	62 (16.7)	28.36	28.14	2.08	27.30	27.30	2.28	26.22	26.22	2.52	25.04	25.04	2.80	23.74	23.74	3.12	22.39	22.39	3.51
	57 (13.9)	28.26	28.26	2.08	27.26	27.26	2.28	26.18	26.18	2.52	25.00	25.00	2.80	23.71	23.71	3.12	22.36	22.36	3.51
1125	72 (22.2)	33.63	18.57	2.14	32.33	18.13	2.34	30.76	17.60	2.59	29.08	17.04	2.86	27.50	16.52	3.21	25.46	15.86	3.58
	67 (19.4)	30.82	23.73	2.13	29.52	23.24	2.34	28.10	22.70	2.58	26.58	22.12	2.85	25.10	21.55	3.20	23.26	20.83	3.56
	63 (17.2)††	28.75	22.74	2.13	27.50	22.23	2.33	26.16	21.68	2.57	24.72	21.09	2.85	23.17	20.44	3.17	21.58	19.74	3.56
	62 (16.7)	29.17	29.17	2.13	28.11	28.11	2.33	26.97	26.97	2.57	25.73	25.73	2.85	24.36	24.36	3.17	22.97	22.97	3.56
	57 (13.9)	29.13	29.13	2.13	28.08	28.08	2.33	26.94	26.94	2.57	25.70	25.70	2.85	24.36	24.36	3.17	22.93	22.93	3.56

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DETAILED COOLING CAPACITIES# -ALUMINUM COIL MODELS (CONTINUED)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB336A0L30 Outdoor Section With CAP3721AL* Indoor Section**																			
	72 (22.2)	41.11	21.09	2.58	39.28	20.45	2.84	37.28	19.77	3.13	35.16	19.05	3.46	32.95	18.30	3.87	30.61	17.53	4.39
	67 (19.4)	37.75	26.33	2.56	36.07	25.68	2.83	34.20	24.97	3.11	32.21	24.21	3.44	30.12	23.42	3.84	27.93	22.61	4.36
1075	63 (17.2)††	35.28	25.40	2.57	33.68	24.73	2.82	31.92	24.00	3.10	30.03	23.23	3.43	28.01	22.41	3.84	25.96	21.58	4.35
	62 (16.7)	34.73	31.40	2.56	33.20	30.68	2.82	31.57	31.57	3.10	30.03	30.03	3.43	28.38	28.38	3.83	26.68	26.68	4.35
	57 (13.9)	34.19	34.19	2.57	32.93	32.93	2.82	31.52	31.52	3.10	29.99	29.99	3.43	28.34	28.34	3.83	26.64	26.64	4.35
	72 (22.2)	41.54	22.03	2.63	39.66	21.40	2.90	37.62	20.71	3.19	35.44	19.98	3.52	33.18	19.23	3.93	30.80	18.45	4.44
	67 (19.4)	38.21	27.85	2.62	36.47	27.19	2.88	34.56	26.47	3.16	32.53	25.70	3.49	30.41	24.91	3.90	28.18	24.08	4.41
1200	63 (17.2)††	35.75	26.81	2.61	34.11	26.14	2.87	32.30	25.40	3.15	30.36	24.62	3.48	28.31	23.79	3.89	26.22	22.94	4.40
	62 (16.7)	35.51	33.03	2.61	34.03	34.03	2.87	32.54	32.54	3.15	30.92	30.92	3.48	29.21	29.21	3.89	27.41	27.41	4.40
	57 (13.9)	35.32	35.32	2.61	33.98	33.98	2.87	32.49	32.49	3.15	30.88	30.88	3.48	29.17	29.17	3.89	27.37	27.37	4.40
	72 (22.2)	41.92	23.13	2.69	39.99	22.49	2.96	37.89	21.79	3.25	35.67	21.06	3.58	33.35	20.30	3.99	30.94	19.52	4.51
	67 (19.4)	38.62	29.63	2.68	36.84	28.96	2.94	34.89	28.23	3.22	32.82	27.45	3.55	30.67	26.63	3.96	28.42	25.75	4.47
1350	63 (17.2)††	36.18	28.46	2.67	34.51	27.79	2.93	32.65	27.03	3.21	30.68	26.23	3.54	28.60	25.37	3.95	26.49	24.45	4.46
	62 (16.7)	36.49	36.49	2.67	35.08	35.08	2.93	33.50	33.50	3.22	31.80	31.80	3.55	30.02	30.02	3.95	28.12	28.12	4.47
	57 (13.9)	36.44	36.44	2.67	35.03	35.03	2.93	33.45	33.45	3.22	31.76	31.76	3.55	29.98	29.98	3.95	28.09	28.09	4.47
24ABB342A0L30 Outdoor Section With CAP4221AL* Indoor Section**																			
	72 (22.2)	46.87	23.65	2.92	44.92	22.94	3.21	42.84	22.20	3.53	40.62	21.41	3.90	38.24	20.58	4.31	35.69	19.70	4.77
	67 (19.4)	42.61	29.02	2.91	40.83	28.31	3.20	38.94	27.56	3.52	36.92	26.78	3.89	34.76	25.95	4.30	32.45	25.06	4.75
1225	63 (17.2)††	39.51	27.90	2.90	37.86	27.19	3.19	36.11	26.44	3.52	34.23	25.66	3.88	32.22	24.83	4.29	30.07	23.93	4.74
	62 (16.7)	39.05	34.35	2.90	37.49	33.61	3.19	35.84	32.81	3.51	34.11	31.92	3.88	32.38	32.38	4.29	30.59	30.59	4.75
	57 (13.9)	38.16	38.16	2.90	36.87	36.87	3.19	35.48	35.48	3.51	33.97	33.97	3.88	32.33	32.33	4.29	30.55	30.55	4.75
	72 (22.2)	47.61	24.74	2.99	45.57	24.02	3.27	43.41	23.26	3.60	41.11	22.46	3.96	38.65	21.61	4.38	36.02	20.72	4.83
	67 (19.4)	43.30	30.77	2.98	41.45	30.05	3.27	39.50	29.30	3.59	37.42	28.50	3.96	35.19	27.65	4.36	32.82	26.74	4.82
1400	63 (17.2)††	40.18	29.53	2.97	38.47	28.81	3.26	36.65	28.06	3.59	34.72	27.26	3.95	32.64	26.40	4.36	30.43	25.48	4.81
	62 (16.7)	39.96	36.67	2.97	38.39	35.85	3.26	36.75	36.75	3.58	35.18	35.18	3.95	33.43	33.43	4.36	31.54	31.54	4.82
	57 (13.9)	39.62	39.62	2.97	38.24	38.24	3.26	36.75	36.75	3.58	35.14	35.14	3.95	33.40	33.40	4.36	31.50	31.50	4.82
	72 (22.2)	48.18	25.79	3.05	46.08	25.05	3.34	43.84	24.28	3.67	41.48	23.47	4.03	38.95	22.62	4.44	36.25	21.71	4.90
	67 (19.4)	43.86	32.49	3.05	41.96	31.76	3.34	39.94	30.98	3.66	37.81	30.17	4.02	35.53	29.28	4.43	33.11	28.33	4.89
1575	63 (17.2)††	40.73	31.12	3.04	38.96	30.39	3.33	37.09	29.62	3.65	35.10	28.79	4.02	32.98	27.90	4.43	30.73	26.94	4.88
	62 (16.7)	40.82	40.82	3.04	39.40	39.40	3.33	37.81	37.81	3.65	36.13	36.13	4.02	34.29	34.29	4.43	32.30	32.30	4.89
	57 (13.9)	40.82	40.82	3.04	39.35	39.35	3.33	37.78	37.78	3.65	36.09	36.09	4.02	34.25	34.25	4.43	32.26	32.26	4.89
24ABB348A0L30 Outdoor Section With CAP6024AL* Indoor Section**																			
	72 (22.2)	52.67	26.71	3.23	50.52	25.93	3.59	48.23	25.10	4.01	45.81	24.24	4.49	43.21	23.32	5.01	40.43	22.36	5.56
	67 (19.4)	48.12	32.82	3.21	46.13	32.02	3.57	44.01	31.18	3.99	41.76	30.29	4.47	39.35	29.35	4.99	36.79	28.36	5.54
1275	63 (17.2)††	44.85	31.67	3.19	42.99	30.87	3.55	41.00	30.01	3.97	38.88	29.11	4.45	36.60	28.15	4.97	34.18	27.14	5.52
	62 (16.7)	44.18	38.84	3.18	42.39	38.01	3.54	40.48	37.12	3.97	38.47	36.14	4.45	36.43	36.43	4.97	34.49	34.49	5.53
	57 (13.9)	42.95	42.95	3.18	41.48	41.48	3.54	39.91	39.91	3.97	38.21	38.21	4.44	36.38	36.38	4.97	34.41	34.41	5.52
	72 (22.2)	53.31	27.64	3.28	51.10	26.84	3.64	48.74	26.01	4.07	46.26	25.14	4.54	43.58	24.21	5.06	40.74	23.24	5.61
	67 (19.4)	48.71	34.30	3.26	46.67	33.49	3.62	44.50	32.64	4.05	42.19	31.75	4.52	39.73	30.79	5.04	37.11	29.79	5.59
1400	63 (17.2)††	45.43	33.05	3.24	43.53	32.24	3.60	41.48	31.37	4.03	39.31	30.46	4.50	36.98	29.49	5.02	34.50	28.46	5.58
	62 (16.7)	44.88	40.82	3.24	43.06	39.95	3.60	41.15	38.97	4.02	39.27	39.27	4.50	37.35	37.35	5.02	35.29	35.29	5.58
	57 (13.9)	44.16	44.16	3.23	42.63	42.63	3.60	40.99	40.99	4.02	39.22	39.22	4.50	37.30	37.30	5.02	35.24	35.24	5.58
	72 (22.2)	54.00	28.88	3.35	51.71	28.08	3.71	49.28	27.23	4.14	46.72	26.35	4.61	43.97	25.42	5.13	41.06	24.44	5.68
	67 (19.4)	49.37	36.30	3.33	47.26	35.48	3.69	45.02	34.62	4.12	42.66	33.71	4.59	40.14	32.74	5.11	37.47	31.70	5.66
1575	63 (17.2)††	46.08	34.91	3.31	44.11	34.09	3.67	42.00	33.21	4.10	39.77	32.28	4.57	37.39	31.29	5.09	34.87	30.23	5.65
	62 (16.7)	45.81	43.35	3.31	44.06	44.06	3.67	42.32	42.32	4.10	40.45	40.45	4.58	38.43	38.43	5.10	36.27	36.27	5.65
	57 (13.9)	45.63	45.63	3.31	44.01	44.01	3.67	42.27	42.27	4.10	40.40	40.40	4.58	38.39	38.39	5.10	36.22	36.22	5.65

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

DETAILED COOLING CAPACITIES# -ALUMINUM COIL MODELS (CONTINUED)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
24ABB360A0L30 Outdoor Section With CAP**6024AL* Indoor Section																			
1750	72 (22.2)	68.98	35.64	4.35	65.79	34.47	4.74	62.26	33.19	5.17	58.52	31.85	5.69	54.57	30.46	6.29	50.50	29.04	7.01
	67 (19.4)	63.26	44.05	4.36	60.31	42.84	4.74	57.13	41.57	5.18	53.71	40.22	5.69	50.11	38.81	6.29	46.38	37.36	7.01
	63 (17.2)††	59.01	42.49	4.36	56.33	41.32	4.74	53.34	40.03	5.18	50.15	38.67	5.68	46.79	37.25	6.28	43.31	35.79	7.00
	62 (16.7)	58.26	52.26	4.36	55.70	51.05	4.74	52.86	49.66	5.17	49.91	49.61	5.68	47.09	47.09	6.28	44.16	44.16	7.00
	57 (13.9)	56.91	56.91	4.35	54.79	54.79	4.74	52.40	52.40	5.17	49.80	49.80	5.68	47.03	47.03	6.28	44.11	44.11	7.00
2000	72 (22.2)	69.96	37.33	4.44	66.63	36.14	4.83	62.97	34.84	5.27	59.10	33.49	5.78	55.03	32.07	6.38	50.83	30.64	7.10
	67 (19.4)	64.22	46.79	4.46	61.19	45.60	4.84	57.87	44.29	5.28	54.33	42.91	5.78	50.62	41.46	6.39	46.80	39.96	7.10
	63 (17.2)††	59.97	45.06	4.46	57.19	43.88	4.84	54.09	42.56	5.27	50.79	41.17	5.78	47.33	39.70	6.38	43.76	38.18	7.10
	62 (16.7)	59.54	55.86	4.45	56.92	54.49	4.84	54.23	54.23	5.27	51.46	51.46	5.78	48.49	48.49	6.38	45.38	45.38	7.10
	57 (13.9)	59.00	59.00	4.45	56.73	56.73	4.84	54.16	54.16	5.27	51.40	51.40	5.78	48.44	48.44	6.38	45.33	45.33	7.10
2250	72 (22.2)	70.64	38.95	4.54	67.22	37.72	4.92	63.39	36.41	5.36	59.47	35.04	5.87	55.31	33.61	6.48	51.02	32.16	7.20
	67 (19.4)	64.93	49.42	4.55	61.81	48.21	4.93	58.39	46.87	5.37	54.77	45.45	5.88	50.99	43.94	6.48	47.11	42.37	7.20
	63 (17.2)††	60.71	47.51	4.55	57.80	46.28	4.94	54.64	44.94	5.37	51.26	43.51	5.88	47.72	41.99	6.48	44.11	40.38	7.20
	62 (16.7)	61.28	57.47	4.55	58.34	58.34	4.94	55.63	55.63	5.37	52.71	52.71	5.88	49.59	49.59	6.48	46.33	46.33	7.20
	57 (13.9)	60.70	60.70	4.55	58.27	58.27	4.94	55.57	55.57	5.37	52.66	52.66	5.88	49.55	49.55	6.48	46.29	46.29	7.20

NOTES:

* Tested combination.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

** System kw is total of indoor and outdoor unit kilowatts.

†† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

EWB — Entering Wet Bulb

NOTE: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

CONDENSER ONLY RATINGS* (Copper Coil Models)

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)						
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)
24ABB318ABN34								
30 (-1.11)	TCG	16.90	15.70	14.60	13.60	12.60	10.50	9.30
	SDT	71.20	79.70	88.40	97.90	107.30	126.60	137.10
	KW	0.88	0.99	1.10	1.24	1.39	1.78	2.04
35 (1.67)	TCG	18.60	17.40	16.20	15.10	14.00	11.80	10.50
	SDT	71.50	80.80	89.50	98.90	108.20	127.40	138.00
	KW	0.86	0.98	1.10	1.24	1.40	1.78	2.06
40 (4.44)	TCG	20.40	19.10	17.90	16.70	15.60	13.20	11.80
	SDT	73.50	81.90	90.60	99.90	109.20	128.70	137.60
	KW	0.87	0.98	1.10	1.24	1.40	1.80	2.03
45 (7.22)	TCG	22.20	20.90	19.60	18.40	17.20	14.60	13.20
	SDT	73.40	83.10	91.70	101.00	110.30	129.40	138.50
	KW	0.84	0.97	1.09	1.24	1.40	1.80	2.04
50 (10.0)	TCG	24.10	22.70	21.40	20.20	18.90	16.20	14.60
	SDT	74.30	83.50	92.80	102.10	111.40	130.40	139.50
	KW	0.83	0.95	1.09	1.24	1.40	1.81	2.04
55 (12.78)	TCG	26.10	24.70	23.40	22.00	20.60	17.80	16.10
	SDT	75.50	84.80	94.00	103.30	112.50	131.50	140.30
	KW	0.81	0.94	1.08	1.23	1.40	1.81	2.04
24ABB324ABN35								
30 (-1.11)	TCG	18.60	18.00	17.40	16.60	15.80	14.90	13.80
	SDT	78.20	87.90	97.80	107.70	117.70	127.80	138.10
	KW	1.03	1.19	1.39	1.61	1.88	2.19	2.57
35 (1.67)	TCG	20.60	20.00	19.30	18.50	17.60	16.60	15.40
	SDT	79.80	89.50	99.30	109.10	119.10	129.20	139.30
	KW	1.04	1.20	1.39	1.62	1.89	2.21	2.59
40 (4.44)	TCG	22.70	22.10	21.30	20.50	19.50	18.40	17.20
	SDT	81.40	91.10	100.80	110.60	120.50	130.50	140.40
	KW	1.04	1.21	1.40	1.64	1.91	2.23	2.60
45 (7.22)	TCG	25.00	24.30	23.50	22.60	21.60	20.40	19.10
	SDT	83.10	92.80	102.40	112.10	121.90	131.80	141.60
	KW	1.04	1.21	1.41	1.65	1.92	2.24	2.62
50 (10.0)	TCG	27.50	26.70	25.80	24.90	23.80	22.50	21.10
	SDT	84.90	94.50	104.00	113.60	123.30	133.10	142.70
	KW	1.05	1.22	1.42	1.66	1.93	2.26	2.63
55 (12.78)	TCG	30.10	29.30	28.30	27.30	26.10	24.80	23.30
	SDT	86.70	96.20	105.70	115.20	124.80	134.40	143.90
	KW	1.05	1.22	1.43	1.66	1.94	2.27	2.64
24ABB330ABN33								
30 (-1.11)	TCG	26.40	24.90	23.20	21.70	20.20	18.70	17.10
	SDT	71.50	80.00	88.80	98.10	107.40	116.70	126.00
	KW	1.43	1.58	1.75	1.95	2.18	2.44	2.74
35 (1.67)	TCG	28.80	27.50	25.50	23.90	22.20	20.60	19.20
	SDT	71.70	81.30	89.90	99.20	108.40	117.70	127.20
	KW	1.41	1.58	1.75	1.96	2.19	2.45	2.76
40 (4.44)	TCG	31.90	29.60	27.90	26.20	24.40	22.60	20.70
	SDT	73.40	82.00	91.20	100.30	109.50	118.70	127.90
	KW	1.42	1.57	1.76	1.96	2.20	2.46	2.77
45 (7.22)	TCG	34.60	32.60	30.50	28.60	26.60	24.60	23.30
	SDT	74.50	83.50	92.50	101.60	110.70	119.70	129.40
	KW	1.42	1.58	1.76	1.97	2.20	2.47	2.80
50 (10.0)	TCG	37.40	35.60	33.40	31.10	29.00	26.70	25.40
	SDT	75.80	85.00	94.00	102.90	111.90	120.90	130.50
	KW	1.41	1.59	1.77	1.97	2.21	2.48	2.81
55 (12.78)	TCG	40.80	38.60	36.10	33.80	31.50	29.10	28.00
	SDT	77.50	86.50	95.30	104.30	113.20	122.10	132.00
	KW	1.41	1.59	1.77	1.98	2.22	2.49	2.83

CONDENSER ONLY RATINGS* (Copper Coil Models) (Continued)

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)						
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)
24ABB336ABN35								
30 (-1.11)	TCG	30.70	28.50	26.70	25.10	23.50	21.90	20.00
	SDT	70.70	80.00	89.40	98.80	108.20	117.60	127.00
	KW	1.61	1.94	2.21	2.47	2.73	3.03	3.41
35 (1.67)	TCG	33.70	31.40	29.50	27.80	26.10	24.30	22.20
	SDT	71.80	81.10	90.40	99.80	109.20	118.50	127.80
	KW	1.58	1.91	2.19	2.45	2.72	3.03	3.41
40 (4.44)	TCG	36.90	34.60	32.50	30.70	28.80	26.80	24.60
	SDT	72.90	82.20	91.50	100.90	110.20	119.40	128.60
	KW	1.55	1.89	2.17	2.44	2.71	3.02	3.41
45 (7.22)	TCG	40.40	37.90	35.80	33.80	31.70	29.50	27.10
	SDT	74.20	83.40	92.70	102.00	111.20	120.40	129.50
	KW	1.53	1.87	2.16	2.43	2.71	3.03	3.41
50 (10.0)	TCG	44.20	41.60	39.30	37.10	34.80	32.40	29.80
	SDT	75.50	84.70	94.00	103.20	112.30	121.40	130.50
	KW	1.52	1.86	2.16	2.44	2.72	3.04	3.43
55 (12.78)	TCG	48.20	45.50	43.00	40.60	38.10	35.50	32.60
	SDT	77.00	86.10	95.30	104.40	113.50	122.50	131.50
	KW	1.52	1.87	2.17	2.45	2.74	3.07	3.46
24ABB342A0N30								
30 (-1.11)	TCG	38.00	36.00	33.90	31.90	29.70	27.60	25.30
	SDT	73.20	82.30	91.40	100.60	109.80	119.10	128.40
	KW	1.95	2.20	2.48	2.80	3.14	3.53	3.95
35 (1.67)	TCG	41.90	39.70	37.40	35.10	32.80	30.50	28.00
	SDT	74.80	83.70	92.80	101.90	111.00	120.20	129.40
	KW	1.97	2.22	2.50	2.81	3.16	3.54	3.97
40 (4.44)	TCG	46.00	43.60	41.10	38.70	36.20	33.60	30.90
	SDT	76.40	85.20	94.20	103.20	112.20	121.30	130.40
	KW	1.98	2.23	2.52	2.83	3.18	3.56	3.98
45 (7.22)	TCG	50.30	47.70	45.10	42.40	39.60	36.80	33.90
	SDT	78.10	86.90	95.70	104.60	113.50	122.50	131.40
	KW	2.01	2.26	2.54	2.85	3.19	3.58	4.00
50 (10.0)	TCG	54.90	52.10	49.20	46.20	43.20	40.20	37.00
	SDT	80.00	88.60	97.20	106.00	114.80	123.70	132.50
	KW	2.03	2.28	2.56	2.87	3.21	3.60	4.01
55 (12.78)	TCG	59.70	56.60	53.40	50.20	46.90	43.50	40.10
	SDT	81.90	90.30	98.90	107.50	116.20	124.90	133.60
	KW	2.06	2.30	2.58	2.89	3.23	3.62	4.03
24ABB348ABN36								
30 (-1.11)	TCG	39.10	37.90	36.60	35.10	33.40	31.50	29.40
	SDT	72.80	82.00	91.40	100.60	110.00	119.20	128.40
	KW	2.02	2.26	2.58	2.98	3.45	3.99	4.60
35 (1.67)	TCG	43.00	41.70	40.20	38.60	36.80	34.80	32.60
	SDT	74.20	83.40	92.60	101.90	111.10	120.30	129.40
	KW	2.04	2.29	2.61	3.01	3.49	4.03	4.64
40 (4.44)	TCG	47.20	45.80	44.20	42.40	40.50	38.30	35.90
	SDT	75.80	84.90	94.00	103.20	112.40	121.50	130.50
	KW	2.06	2.31	2.64	3.05	3.53	4.08	4.69
45 (7.22)	TCG	51.80	50.20	48.40	46.50	44.40	42.10	39.50
	SDT	77.40	86.50	95.50	104.60	113.70	122.70	131.70
	KW	2.08	2.34	2.67	3.08	3.57	4.12	4.73
50 (10.0)	TCG	56.70	54.90	53.00	50.90	48.60	46.10	43.30
	SDT	79.20	88.10	97.10	106.10	115.10	124.00	132.90
	KW	2.10	2.36	2.70	3.12	3.60	4.16	4.77
55 (12.78)	TCG	62.00	60.00	57.90	55.60	53.10	50.30	47.20
	SDT	81.10	89.90	98.80	107.70	116.60	125.40	134.20
	KW	2.11	2.38	2.73	3.14	3.63	4.19	4.81

CONDENSER ONLY RATINGS* (Copper Coil Models) (Continued)

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)						
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)
24ABB360A0N34								
30 (-1.11)	TCG	53.70	51.10	48.30	45.40	42.30	39.20	36.10
	SDT	75.80	84.90	94.10	103.10	112.20	121.30	130.40
	KW	2.65	3.00	3.38	3.78	4.24	4.77	5.38
35 (1.67)	TCG	58.90	56.10	53.00	49.80	46.50	43.20	39.70
	SDT	77.50	86.60	95.70	104.70	113.60	122.60	131.60
	KW	2.72	3.06	3.43	3.84	4.29	4.82	5.44
40 (4.44)	TCG	64.60	61.40	58.00	54.50	50.90	47.20	43.40
	SDT	79.40	88.40	97.30	106.20	115.10	124.00	132.90
	KW	2.79	3.13	3.50	3.90	4.35	4.88	5.50
45 (7.22)	TCG	70.60	67.00	63.30	59.40	55.50	51.40	47.30
	SDT	81.40	90.30	99.10	107.90	116.70	125.40	134.20
	KW	2.87	3.20	3.56	3.97	4.42	4.95	5.56
50 (10.0)	TCG	76.90	73.00	68.80	64.60	60.20	55.70	51.20
	SDT	83.50	92.20	100.90	109.60	118.30	126.90	135.60
	KW	2.95	3.29	3.64	4.04	4.50	5.03	5.64
55 (12.78)	TCG	83.60	79.20	74.60	69.90	65.10	60.20	55.20
	SDT	85.80	94.30	102.90	111.40	119.90	128.50	137.00
	KW	3.05	3.38	3.73	4.13	4.59	5.12	5.73

NOTES:
* Tested combination.
† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.
‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).
# Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.
** System kw is total of indoor and outdoor unit kilowatts.
†† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.
EWB — Entering Wet Bulb
NOTE: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.1.
* AHRI listing applies only to systems shown in Combination Ratings table.

KW- Outdoor Unit Kilowatts Only.

SDT-Saturated Temperature Leaving Compressor (°F)

SST-Saturated Temperature Entering Compressor (°F/°C)
TCG-Gross Cooling Capacity (1000 Btuh)