

Product Data

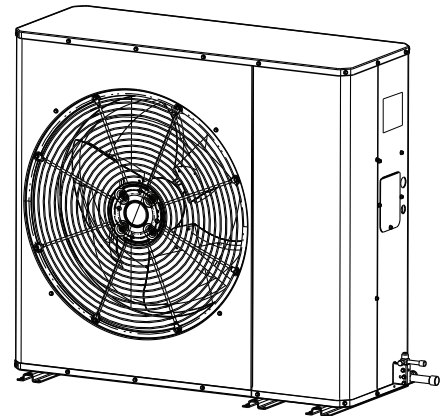
Variable Speed AccuLink™ Side Discharge Heat Pump

For coastal applications where units are installed within one (1) mile of salt water, epoxy coated models are recommended. These models have an 8 week lead time after order.

4A6L9024A1000B
4A6L9036A1000B
4A6L9048A1000B
4A6L9060A1000B

Epoxy Coated Model

4A6L9024A1COTB
4A6L9036A1COTB
4A6L9048A1COTB
4A6L9060A1COTB



Note: "Graphics in this document are for representation only. Actual model may differ in appearance."

Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures from 55° F to 120° F in cooling. From -10° F to 66° F in heating. Only AHRI approved indoor matches are approved for use with these models.

This outdoor unit contains the AccuLink™ digital communication with 2 wire connection to outdoor and Plug-n-Play set up.

Casing

Unit is painted with a glossy corrosion resistant finish on all panels.

Refrigerant Controls

Refrigeration system controls include condenser fan, high and low pressure switches. A factory supplied, field installed filter drier is standard.

Compressor

Output Capacity by Tonnage	
024, 036	50 to 100%
048	35 to 100%
060	30 to 100%

Noise enclosure minimizes sound levels and built in compressor protection will reduce operating speed and current draw to maintain operation while protecting the compressor.

Condenser Coil

The copper tube, aluminum fin outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected by a wire guard.

Low Ambient Cooling

As manufactured, this system has built in freeze protection that will allow cooling operation down to 45°F but will reduce capacity or shut down completely to prevent operation under adverse conditions.

Comfort Control

The 1050/950/850 Control is required and provides Plug-n-Play setup and 3 wire connection.

Product Specifications

OUTDOOR UNIT ^(a)	4A6L9024A1XXXB	4A6L9036A1XXXB
POWER CONNS. — V/PH/HZ ^(b)	208–230/1/60	208–230/1/60
MIN. BRCH. CIR. AMPACITY	19.1	26.9
BR. CIR. PROT. RTG. — MAX. (AMPS)	25	30
COMPRESSOR	DURATION®- SCROLL	DURATION®- SCROLL
NO. USED — NO. STAGES	1 — Variable	1 — Variable
VOLTS/PH/HZ	208–230/1/60	208–230/1/60
R.L. AMPS ^(c) / L.R. AMPS	8.5 / 48.9	12.4 / 48.9
FACTORY INSTALLED		
START COMPONENTS	NO	NO
INSULATION/SOUND BLANKET	YES	YES
SUMP HEAT	YES	YES
OUTDOOR FAN		PROPELLER
DIA. (IN.) — NO. USED	27.5 — 1	27.5 — 1
TYPE DRIVE — NO. SPEEDS	DIRECT — VARIABLE	DIRECT — VARIABLE
CFM @ 0.0 IN. W.G. ^(d)	2400	2400
NO. MOTORS — HP	1 — 1/2	1 — 1/2
MOTOR SPEED R.P.M.	200–1050	200–1050
VOLTS/PH/HZ	325–385 VDC/3/60	325–385 VDC/3/60
F.L. AMPS	2.3	2.3
OUTDOOR COIL — TYPE	PLATE FIN	PLATE FIN
ROWS — F.P.I.	1 — 16	2 — 16
FACE AREA (SQ. FT.)	12.88	12.88
TUBE SIZE (IN.)	5/16	5/16
REFRIGERANT		
LBS. — R-410A (O.D. UNIT) ^(e)	6LBS., 8 OZ	8 LBS, 0 OZ
FACTORY SUPPLIED	YES	YES
OLINE SIZE — IN. O.D. GAS ^{(f) (g)}	5/8	3/4
LINE SIZE — IN. O.D. LIQ.	3/8	3/8
CHARGING SPECIFICATIONS		
SUBCOOLING COOLING MODE	10°F	10° F
DIMENSIONS	H X W X D	H X W X D
CRATED (IN.)	42 x 56 x 24	42 x 56 x 24
UNCRATED (IN.)	36–3/4 X 47 X 17–1/2	36–3/4 X 47 X 17–1/2
WEIGHT		
SHIPPING (LBS.)	229	250
NET (LBS.)	204	226

^(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240; Rated in accordance with AHRI standard 275;

^(b) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.

^(c) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.

^(d) Standard Air — Dry Coil — Outdoor

^(e) This value approximate. For more precise value see unit nameplate.

^(f) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub # 32-3312-xx or refrigerant piping application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).

^(g) The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Product Specifications

OUTDOOR UNIT ^(a)	4A6L9048A1XXXB	4A6L9060A1XXXB
POWER CONNS. — V/PH/HZ ^(b)	208-230/1/60	208-230/1/60
MIN. BRCH. CIR. AMPACITY	31.8	36.1
BR. CIR. PROT. RTG. — MAX. (AMPS)	35	40
COMPRESSOR	DURATION®- SCROLL	DURATION®- SCROLL
NO. USED — NO. STAGES	1 — Variable	1 — Variable
VOLTS/PH/HZ	208-230/1/60	208-230/1/60
R.L. AMPS ^(c) / L.R. AMPS	12.4 / 48.9	12.4 / 48.9
FACTORY INSTALLED		
START COMPONENTS	NO	NO
INSULATION/SOUND BLANKET	YES	YES
SUMP HEAT	YES	YES
OUTDOOR FAN	PROPELLER	PROPELLER
DIA. (IN.) — NO. USED	27.5 — 1	27.5 — 1
TYPE DRIVE — NO. SPEEDS	DIRECT — VARIABLE	DIRECT — VARIABLE
CFM @ 0.0 IN. W.G. ^(d)	3500	4000
NO. MOTORS — HP	1 — 1/2	1 — 1/2
MOTOR SPEED R.P.M.	200-1050	200-1050
VOLTS/PH/HZ	325-385 VDC/3/60	325-385 VDC/3/60
F.L. AMPS	2.3	2.3
OUTDOOR COIL — TYPE	PLATE FIN	PLATE FIN
ROWS — F.P.I.	2 — 16	2 — 16
FACE AREA (SQ. FT.)	15.02	15.02
TUBE SIZE (IN.)	5/16	5/16
REFRIGERANT		
LBS. — R-410A (O.D. UNIT) ^(e)	9 LBS, 0 OZ.	9 LBS, 0 OZ.
FACTORY SUPPLIED	YES	YES
LINE SIZE — IN. O.D. GAS ^(f)	7/8 ^(g)	7/8 ^(h)
LINE SIZE — IN. O.D. LIQ.	3/8	3/8
CHARGING SPECIFICATIONS		
SUBCOOLING COOLING MODE	10° F	10° F
DIMENSIONS	H X W X D	H X W X D
CRATED (IN.)	48 x 56 x 24	48 x 56 x 24
UNCRATED (IN.)	42-3/4 X 47 X 17-1/2	42-3/4 X 47 X 17-1/2
WEIGHT		
SHIPPING (LBS.)	269	269
NET (LBS.)	245	245

- (a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240; Rated in accordance with AHRI standard 275.
- (b) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- (c) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.
- (d) Standard Air — Dry Coil — Outdoor
- (e) This value approximate. For more precise value see unit nameplate.
- (f) The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.
- (g) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub # 32-3312-xx or refrigerant piping application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
- (h) Max. linear length 150 ft.; Max. lift - Suction 50 ft.; Max. lift - Liquid 50 ft.

Sound Pressure Level

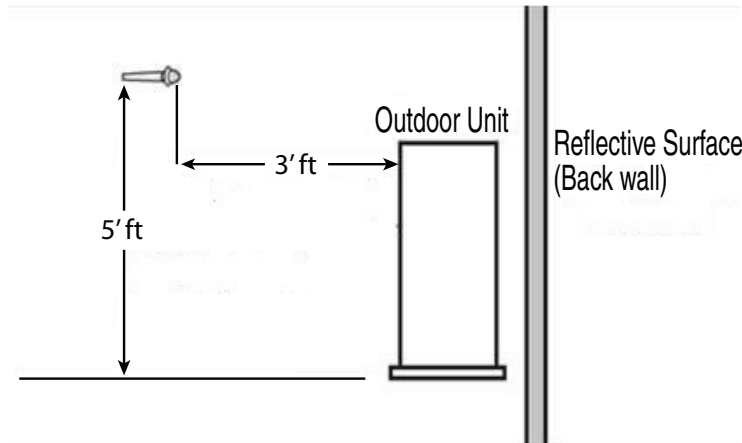


Table 1. 2.0 Ton Heating

Sound Pressure Level dB(A) per ARI 275 (Max Heating)			
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line
0	46	41	
1	49 ^(a)	44	
2	52	47	44

^(a) Lab tested as per the illustration shown above

Table 2. 2.0 Ton Cooling

Sound Pressure Level dB(A) per ARI 275 (Max Cooling)			
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line
0	47	42	
1	50 ^(a)	45	
2	53	48	45

^(a) Lab tested as per the illustration shown above

Table 3. 3.0 Ton Heating

Sound Pressure Level dB(A) per ARI 275 (Max Heating)			
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line
0	46	41	
1	49 ^(a)	44	
2	52	47	44

^(a) Lab tested as per the illustration shown above

Table 4. 3.0 Ton Cooling

Sound Pressure Level dB(A) per ARI 275 (Max Cooling)			
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line
0	45		
1	48 ^(a)	43	
2	51	46	43

^(a) Lab tested as per the illustration shown above

Sound Pressure Level

Table 5. 4.0 Ton Heating

Sound Pressure Level dB(A) per ARI 275 (Max Heating)				
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line	9' from Property Line
0	49	44		
1	52 ^(a)	47	44	
2	55	50	47	45

^(a) Lab tested as per the illustration shown above

Table 6. 4.0 Ton Cooling

Sound Pressure Level dB(A) per ARI 275 (Max Cooling)					
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line	9' from Property Line	15' from Property Line
0	51	46	43		
1	54 ^(a)	49	46	44	
2	57	52	49	47	43

^(a) Lab tested as per the illustration shown above

Table 7. 5.0 Ton Heating

Sound Pressure Level dB(A) per ARI 275 (Max Heating)						
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line	9' from Property Line	15' from Property Line	20' from Property Line
0	54	49	46	44		
1	57 ^(a)	52	49	47	43	
2	60	55	52	50	46	43

^(a) Lab tested as per the illustration shown above

Table 8. 5.0 Ton Cooling

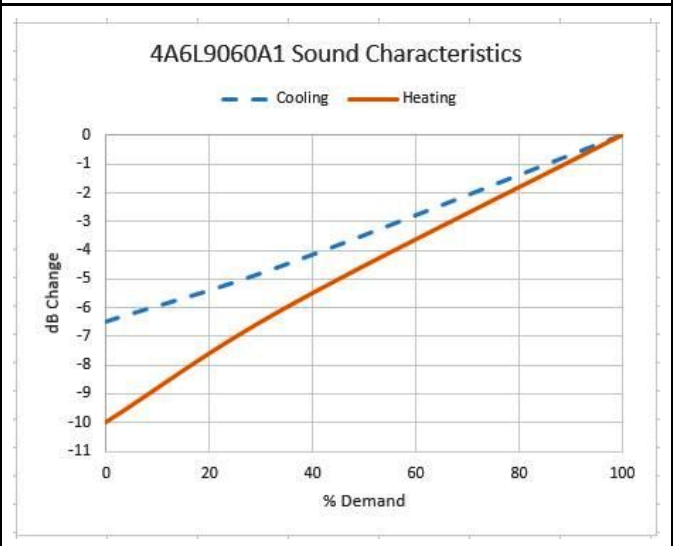
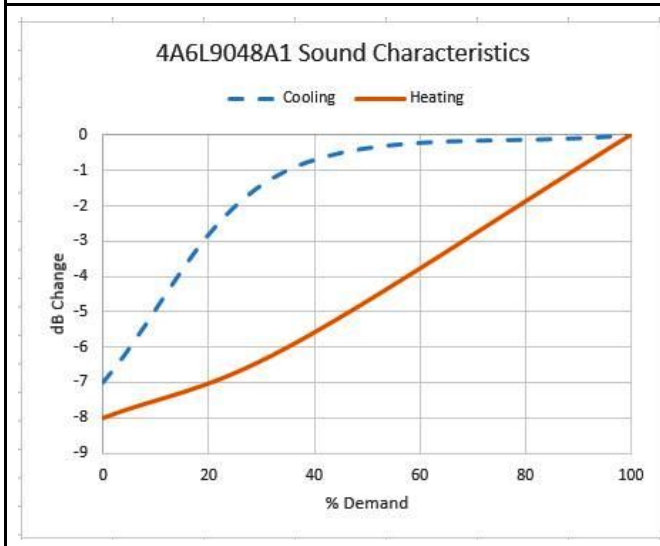
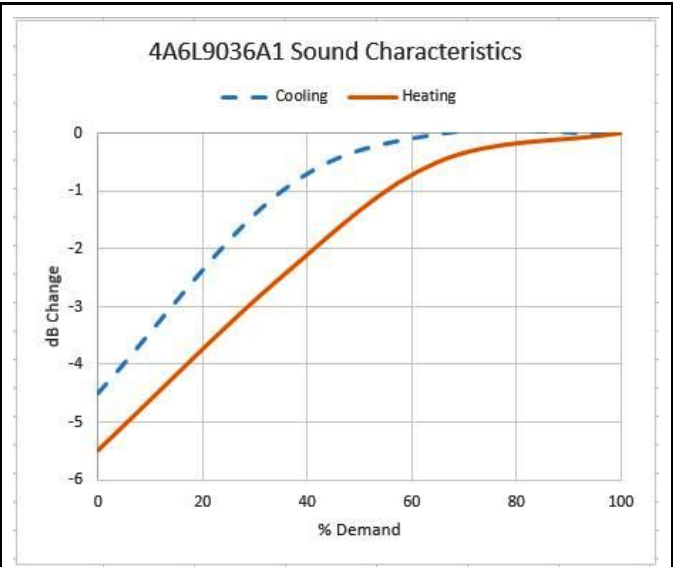
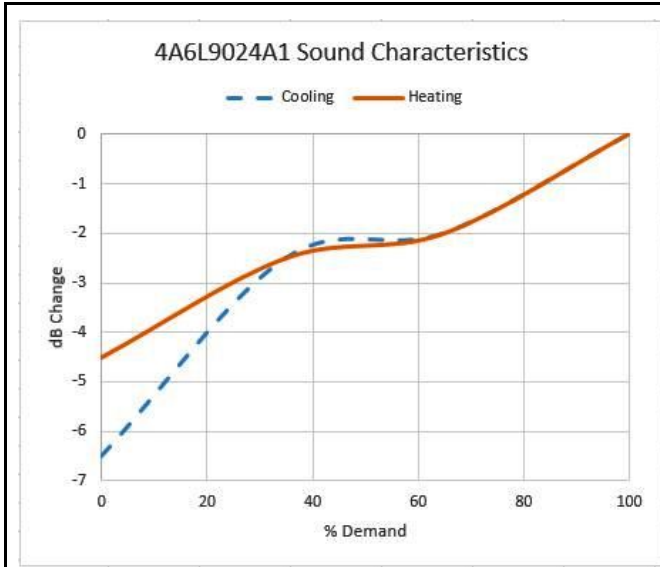
Sound Pressure Level dB(A) per ARI 275 (Max Cooling)					
# Reflective Surfaces	3' from Property Line	5' from Property Line	7' from Property Line	9' from Property Line	15' from Property Line
0	53	48	45		
1	56 ^(a)	51	48	46	42
2	59	54	51	49	45

^(a) Lab tested as per the illustration shown above

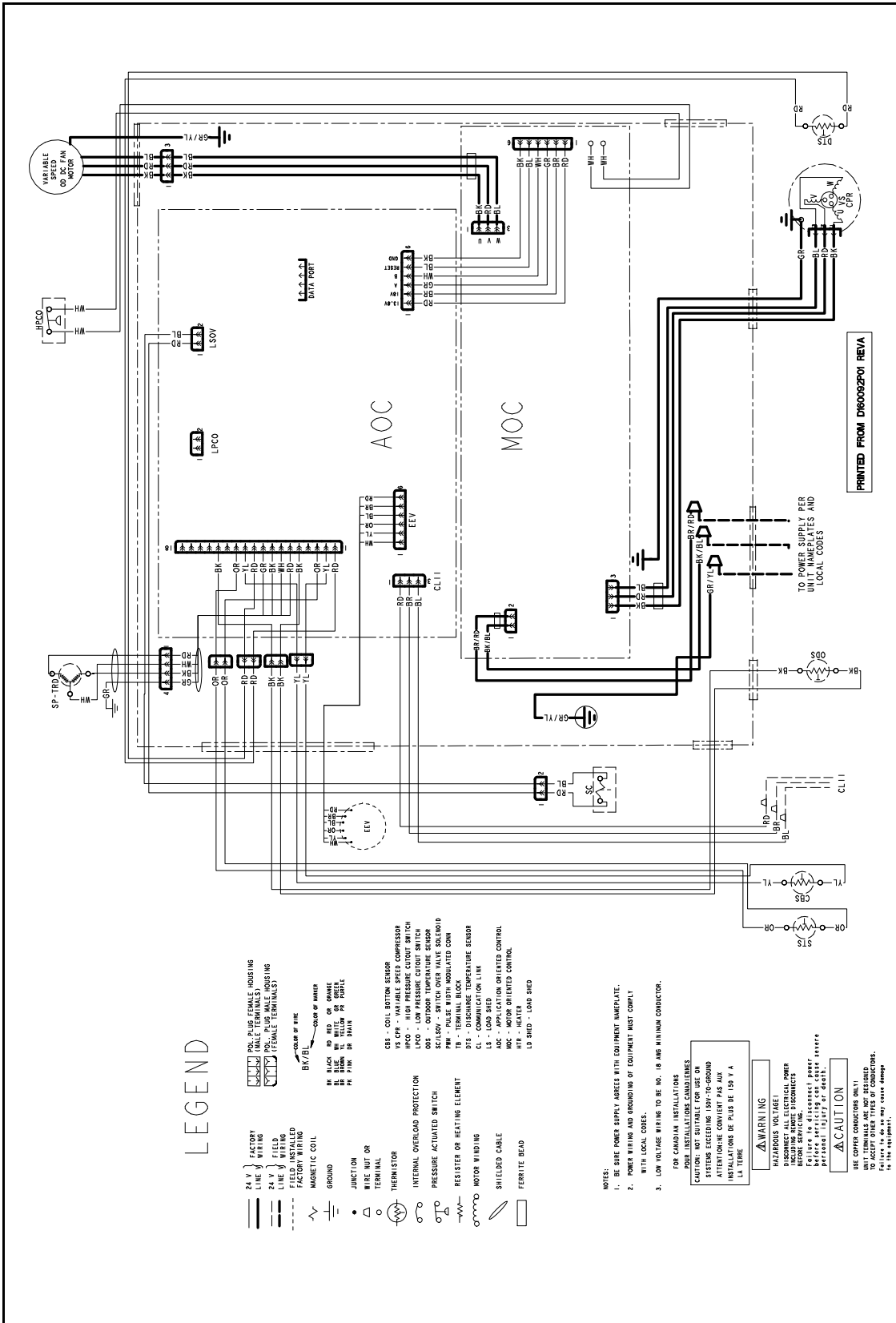
Notes:

- Measuring place: Hemi-Anechoic chamber
- Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

Sound Pressure Level



Wiring



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