

ELECTRICAL DATA

UNIT SIZE-VOLTAGE, SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE‡	MAX LENGTH ft (m)‡	MAX LENGTH ft (m)‡	MAX FUSE* or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60°C	75°C	60°C	75°C	
024-A	208-230-1	253	197	24	16.5	2.9	23.5	12	12	52 (15.9)	50 (16.2)	30
036-A				24	16.5	2.9	23.5	12	12	52 (15.9)	50 (16.2)	40
048-A				42	27.0	2.9	36.6	8	8	84 (25.6)	80 (24.3)	50
060-A				42	27.0	2.9	36.6	8	8	84 (25.6)	80 (24.3)	50

* Permissible limits of the voltage range at which the unit will operate satisfactorily

† If wire is applied at ambient greater than 30°C, consult table 310-16 of the NEC (NFPA 70). The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C conditions, per the NEC (NFPA 70) Article 336-26. If other than uncoated (no-plated), 60 or 75°C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (NFPA 70).

‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

** Time-Delay fuse.

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.

Complies with 2010 requirements of ASHRAE Standards 90.1

SOUND POWER LEVEL (dBA)

Unit Size-Voltage, Series	Typical Octave Band Spectrum (without tone adjustment)	Min Speed Cooling	Max Speed Cooling	*Min Speed Heating	*Max Speed Heating
0024-A	Freq (Hz)	1800 RPM	3200 RPM	1800 RPM	5700 RPM
	125	62.0	63.0	63.0	73.5
	250	57.0	56.5	61.5	63.0
	500	54.5	57.5	58.5	66.0
	1000	52.0	58.0	54.5	63.5
	2000	47.5	54.0	51.5	64.5
	4000	44.5	48.0	48.0	59.5
	8000	52.5	54.5	54.0	61.5
	Sound Rating (dBA)	58	63	62	71
0036-A	Freq (Hz)	1800 RPM	4500 RPM	1800 RPM	6850**
	125	62.0	64.5	63.0	67.0
	250	57.0	60.5	61.5	67.5
	500	54.5	61.0	58.5	69.0
	1000	52.0	61.0	54.5	67.0
	2000	47.5	56.0	51.5	67.0
	4000	44.5	51.0	48.0	63.0
	8000	52.5	54.5	54.0	61.5
	Sound Rating (dBA)	58	65	62	75
0048-A	Freq (Hz)	1800 RPM	3450 RPM	1800 RPM	6300**
	125	62.0	70.0	66.0	73.5
	250	60.5	67.5	63.0	69.5
	500	56.0	67.0	63.0	73.5
	1000	59.0	63.0	58.0	72.0
	2000	54.0	60.0	53.5	66.5
	4000	52.5	56.0	50.0	65.5
	8000	58.5	58.5	57.0	63.0
	Sound Rating (dBA)	65	70	64	76
0060-A	Freq (Hz)	1800 RPM	4250 RPM	1800 RPM	6300**
	50	62.0	65.0	66.0	73.5
	100	60.5	67.5	63.0	69.5
	200	56.0	67.5	63.0	73.5
	400	59.0	66.5	58.0	72.0
	800	54.0	61.0	53.5	66.5
	1600	52.5	60.5	50.0	65.5
	3150	58.5	59.0	57.0	63.0
	Sound Rating (dBA)	65	72	64	76

NOTE: Tested in compliance with AHRI 270-2008 but not listed with AHRI.

* 024 & 036 tested at 44°F Outdoor Air Temperature. 048 & 060 tested at 40°F

**Testable RPM limited by outdoor temp. Max unit RPM is 6500 for the 4 ton and 7000 for the 3 and 5 ton.

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE-VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C) - See UI
024-A	Subcooling recommendation displayed on UI in Charging Mode must be followed
036-A	
048-A	
060-A	
060-A	