

5TON

38TKW-060-3-1-1

# Electrical data

UNIT SIZE-SERIES	V/PH	OPER VOLTS*		COMPR		FAN FLA	MCA	60°C MIN WIRE SIZE†	75°C MIN WIRE SIZE†	60°C MAX LENGTH (Ft)‡	75°C MAX LENGTH (Ft)‡	MAX FUSE** CKT BKR AMPS
		Max	Min	LRA	RLA							
018-31				49.0	8.6	0.5	11.3	14	14	99	94	15
024-32				61.0	11.2	0.5	14.5	14	14	72	68	20
030-32				75.0	13.7	0.8	17.9	14	14	56	75	25
036-32	208-230/1	253	197	86.0	15.3	0.8	19.9	14	14	39	37	30
042-31				105.0	17.3	1.4	23.5	12	12	63	60	35
048-33				137.0	21.9	1.4	28.8	10	10	69	66	40
060-32				169.0	28.8	1.4	37.4	8	8	91	87	60

\* Permissible limits of the voltage range at which the unit will operate satisfactorily. Operation outside these limits may result in unit failure.

† If wire is applied at ambient greater than 30°C (86°F), consult Table 310-16 of the NEC (ANSI/NFPA 70).

The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-30.

If other than uncoated (non-plated), 60 or 75°C (140 or 167°F) insulation, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

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

\*\* Time-delay fuse.

**NOTES:**

- Control circuit is 24v 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.

FLA — Full Load Amps

LRA — Locked Rotor Amps

MCA — Minimum Circuit Amps

RLA — Rated Load Amps

## A-weighted sound power (dBA)

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018	78	57.5	67.0	70.5	68.5	67.5	63.5	55.0
024	80	60.5	70.5	72.5	70.0	71.5	65.0	58.0
030	80	57.0	65.0	69.5	75.5	72.0	71.5	66.5
036	81	53.5	66.0	70.0	73.5	71.0	68.0	61.5
042	80	59.0	68.0	73.5	75.0	73.0	72.5	65.0
048	80	60.5	70.5	72.0	72.5	73.5	72.0	67.5
060	80	60.5	66.5	70.5	73.5	71.5	72.0	66.5

NOTE: Tested in accordance with ARI Standard 270.95. (Not listed with ARI.)