ELECTRICAL DATA AND WIRING

Table 4 — Electrical Data (60-Hertz, 3-Phase)

VOLTS (Nom)		208								230							
Supply Range		187–239								207–264							
COMPR UNIT 06L	Kw	LRA	FLA	MTA	MWA	Line Wire Size (AWG No.)	Max Ft Wire	Dual Element Fuse Size (amps)	Max Wire Size* (AWG No.)	LRA	FLA	MTA	MWA	Line Wire Size (AWG No.)	Max Ft Wire	Dual Element Fuse Size (amps)	Max Wire Size* (AWG No.)
A214	66 0	830	186 0	260 0	232 0	250 MCM	91	300	500 MCM	750	166 0	232 0	208 0	0000	100	250	250 MCM
A218	87 8	1007	229 0	320 0	286 0	350 MCM	86	350	500 MCM	910	203 0	284 0	254 0	300	94	300	500 MCM
A228	129 0	1580	322.0	450 0	402.0	0000†	98	500	250 MCM	1430	322.0	450.0	402.0	0000†	106	500	250 MCM
COND UNIT 07L																	
B063	53 0	755	149 0	202 0	186 0	000	89	225	250 MCM	682	137 0	180 0	171 0	00	89	200	250 MCM
B081	70 0	943	190 0	260 0	238 0	250 MCM	89	300	500 MCM	853	176 0	246 0	220 0	0000	97	250	250 MCM
B122	105 3	1355	293 0	410 0	366 0	000†	90	450	250 MCM	1225	261 0	360.0	326 0	0000‡	131	400	250 MCM

VOLTS (Nom)		460									575								
Supply Range		414–528									518–660								
COMPR UNIT 06L	Kw	LRA	FLA	MTA		MWA	Line Wire Size (AWG No.)	Max Ft Wire	Dual Element Fuse Size (amps)		Max Wire Size* (AWG No.)	LRA	FLA	MTA		MWA	Line Wire Size (AWG No.)	Max Ft Wire	Dual Element Fuse Size (amps)		Max Wire Size* (AWG No.)
				PW	XL				PW	XL				PW	XL				PW	XL	
A214	66 0	375	83 0	116 0	116 0	104 0	1	203	125	125	250 MCM	300	65 6	91 4	91 0	82 0	2	227	100	100	250 MCM
A218	87 8	455	115 0	160 0	160 0	144 0	0	178	175	175	250 MCM	364	87 2	116 0	116 0	109 0	1	244	125	125	250 MCM
A228	129.0	715	161.0	202.0	225.0	201.0	0000	211	225	250	250 MCM	572	130 0	180 0	180.0	162 0	00	235	200	200	250 MCM
COND UNIT 07L																					
B063	53 0	341	68 5	91 4	90 0	85 5	2	152	100	100	250 MCM	273	57 2	77 2	80 6	71 5	3	227	80	90	250 MCM
B081	70 0	427	87 2	116 0	116 0	109 0	1	196	125	125	250 MCM	341	72 9	100 0	101 0	91 0	2	245	110	110	250 MCM
B122	105 3	612	130 0	180 0	180 0	162 0	00	188	200	200	250 MCM	490	110 0	153 0	142 0	138 0	0	226	175	150	250 MCM

Values shown indicate max wire size to line terminal box, 32DA400033 supplied with unit See text under Line Power

FLA — Full Load Amps
Kw — Maximum Power Input
LRA — Locked Rotor Amps
MTA — Must Trip Amps
MWA — Minimum Wire Amps Complies with National Electrical Code
PW — Part-Winding Starting
Supply Range — Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above the range limits
XL — Across-the-Line Starting

*Maximum wire size to control box terminals (line side).
†Three leads in each of two 2 1/2-in. conduits.
‡Six leads in one 3-in. conduit.

3. Branch circuit wires are sized according to National Electrical Code. Where compressor FLA is under 100 amps, wire sizes are based on type TW wire. Where FLA is over 100 amps, wire sizes are based on type THW wire. Be sure that sizes given comply with local codes.
4. Wire sizes and corresponding maximum wire lengths tabulated will result in a 1% voltage drop at nameplate FLA. Where up to 3% voltage drop is allowed, the run length can be increased to 3 times the value given.

Wiring — Field wiring must comply with local and national codes.

Install a branch circuit fused disconnect of adequate size.

LINE POWER is brought into control center thru indicated opening shown in Fig. 3 and 4. Connect power leads to compressor contactor terminals L1, L2 and L3. When additional line terminal box is supplied on part-winding units, connect power leads to terminals L1, L2 and L3 in terminal box. Connect 6 wires (supplied) from terminal box to compressor contactors; 3 leads to each contactor. See label diagram. *Caution Do not cross phases*

06L COMPRESSOR UNITS — Extend line power leads from control center (overloads) to compressor terminal box. Connect power leads to compressor terminals indicated on Fig. 5.

Connect compressor thermotector power leads to control center terminals 13 and 18. Extend leads to compressor terminal box and connect to thermotector terminals 1 and 2. Internal thermotectors are connected in series with common lead to compressor thermotector terminal 3. If one thermotector opens or becomes defective, connection from thermotector terminal 1 or 2 can be moved to terminal 3 to jump out defective thermotector.