

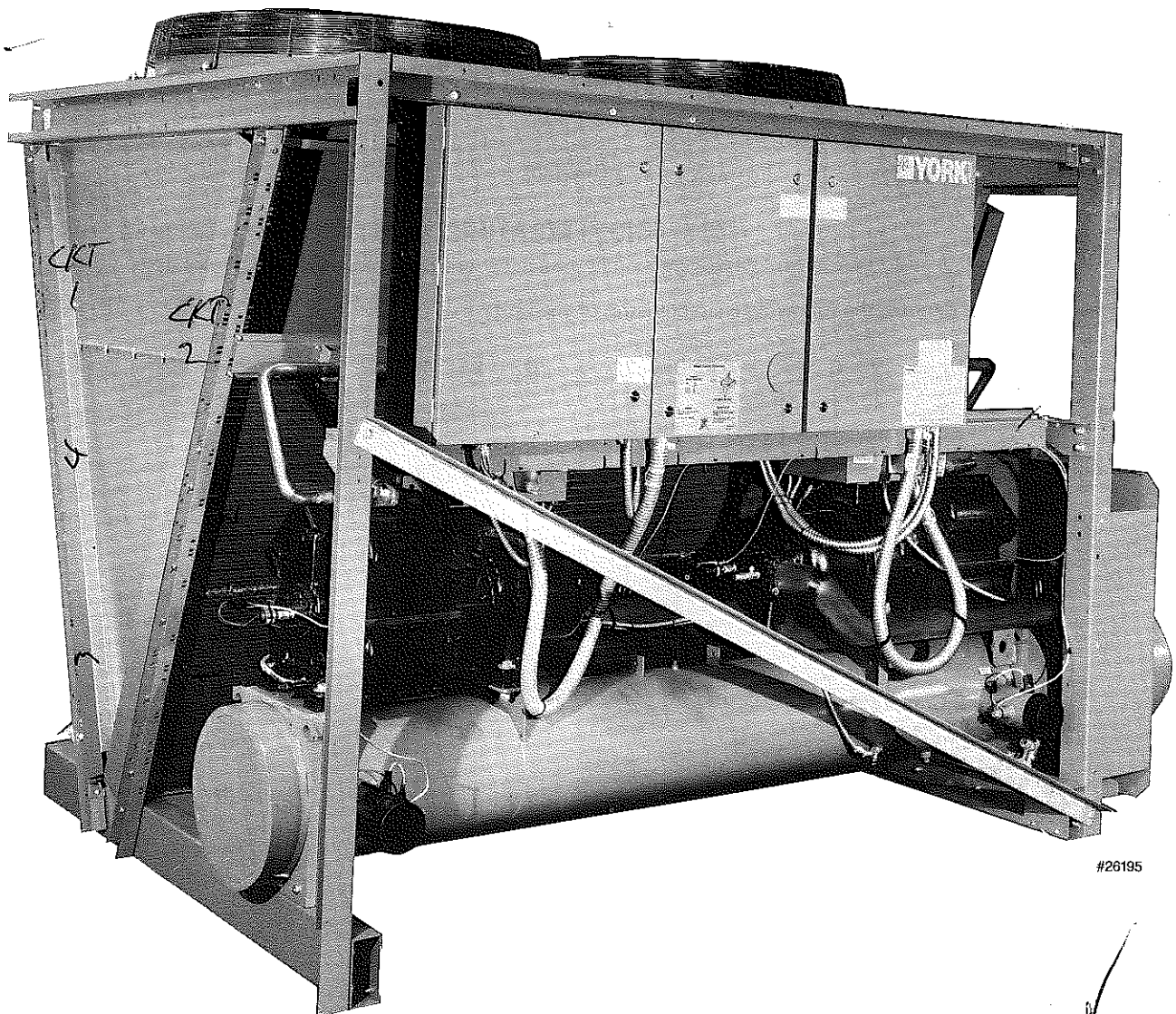
60 HZ MODELS

YCAZ33JD3, YCAZ44LD3, YCAZ74LE3, YCAZ77LE3, YCAZ88ME3

50 HZ MODELS

YCAZ33JD2, YCAZ44JD2, YCAZ74LD2, YCAZ77LE2, YCAZ88ME2

STYLE C



#26195

REVISIONS AND UPDATES TO THIS LITERATURE ARE INDICATED
BY SCREENED AREAS AND SCREENED VERTICAL BLACK BARS

WARNING

HIGH VOLTAGE
is used in the operation of this equipment.

DEATH OR SERIOUS INJURY
may result if personnel fail to observe safety precautions.

Work on electronic equipment should not be undertaken unless the individual(s) have been trained in the proper maintenance of the equipment and is (are) familiar with its potential hazards.

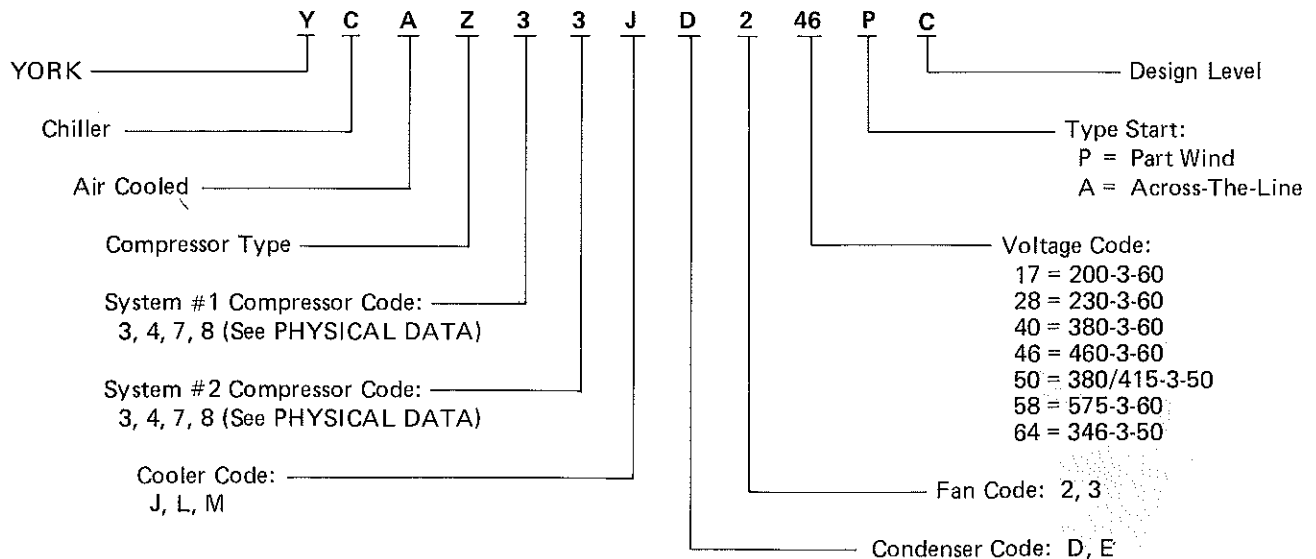
Shut off power supply to equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take special care to discharge every capacitor likely to hold dangerous potential.

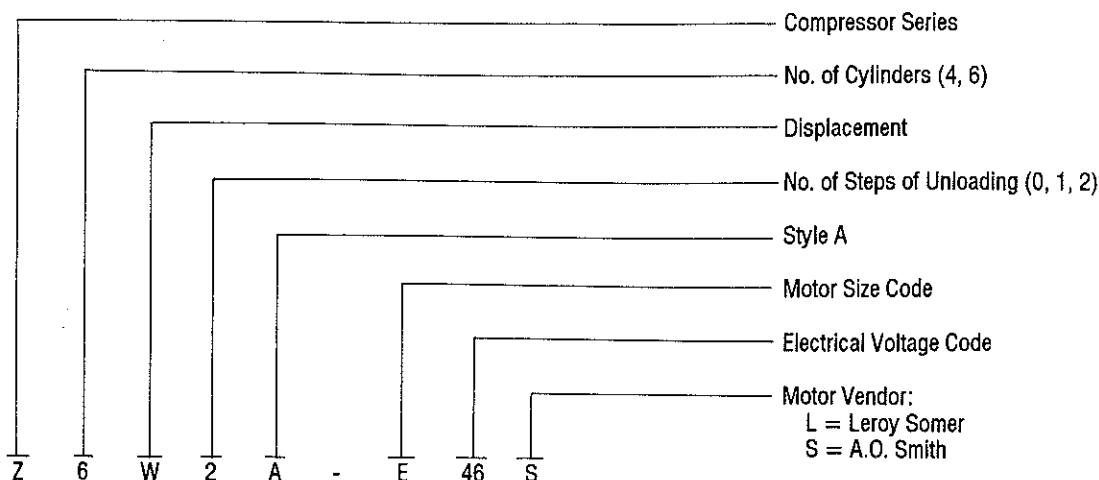
Be careful not to contact high voltage connections when installing or operating this equipment.

LOW VOLTAGE
DO NOT be misled by the term "low voltage". Voltages as low as 50 volts may cause death.

NOMENCLATURE

The model number denotes the following characteristics of the unit:





COMPRESSOR MODEL NUMBERS

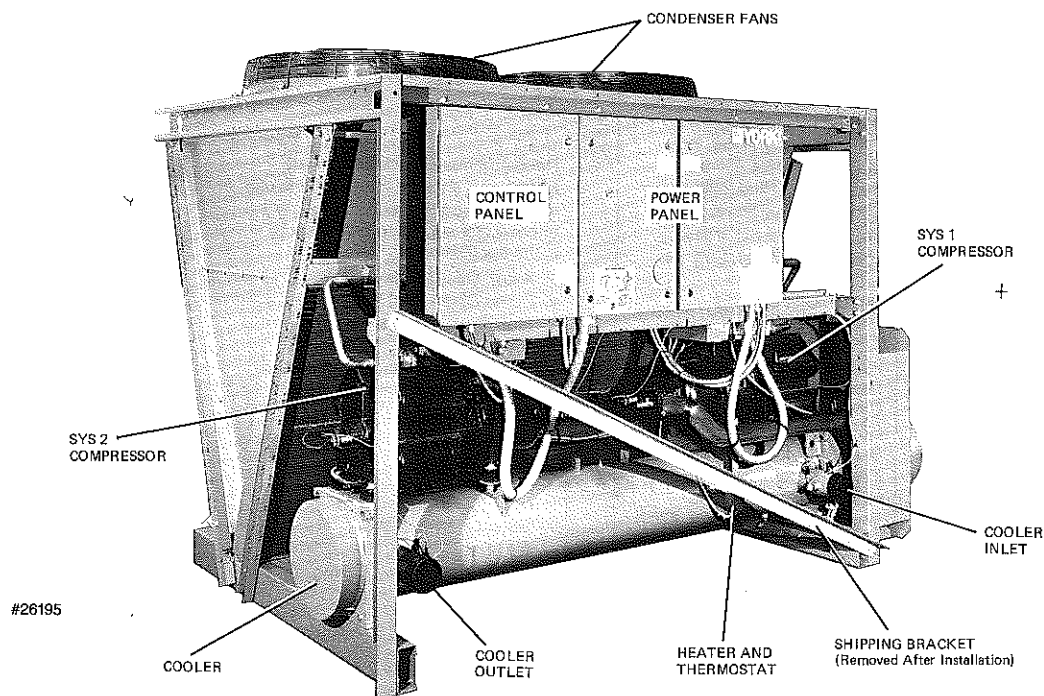
UNIT MODEL	60 HZ	YCAZ33JD3	YCAZ44LD3	YCAZ74LE3	YCAZ77LE3	YCAZ88ME3
COMPRESSOR MODEL	SYSTEM NO. 1	Z4K1A-B	Z4M1A-C	Z6S1A-D	Z6S1A-D	Z6W1A-E
	SYSTEM NO. 2	Z4K1A-B	Z4M1A-C	Z4M1A-C	Z6S1A-D	Z6W1A-E

UNIT MODEL	50 HZ	YCAZ33JD2	YCAZ44JD2	YCAZ74LD2	YCAZ77LE2	YCAZ88ME2
COMPRESSOR MODEL	SYSTEM NO. 1	Z4K1A-B	Z4M1A-C	Z6S1A-D	Z6S1A-D	Z6W1A-E
	SYSTEM NO. 2	Z4K1A-B	Z4M1A-C	Z4M1A-C	Z6S1A-D	Z6W1A-E

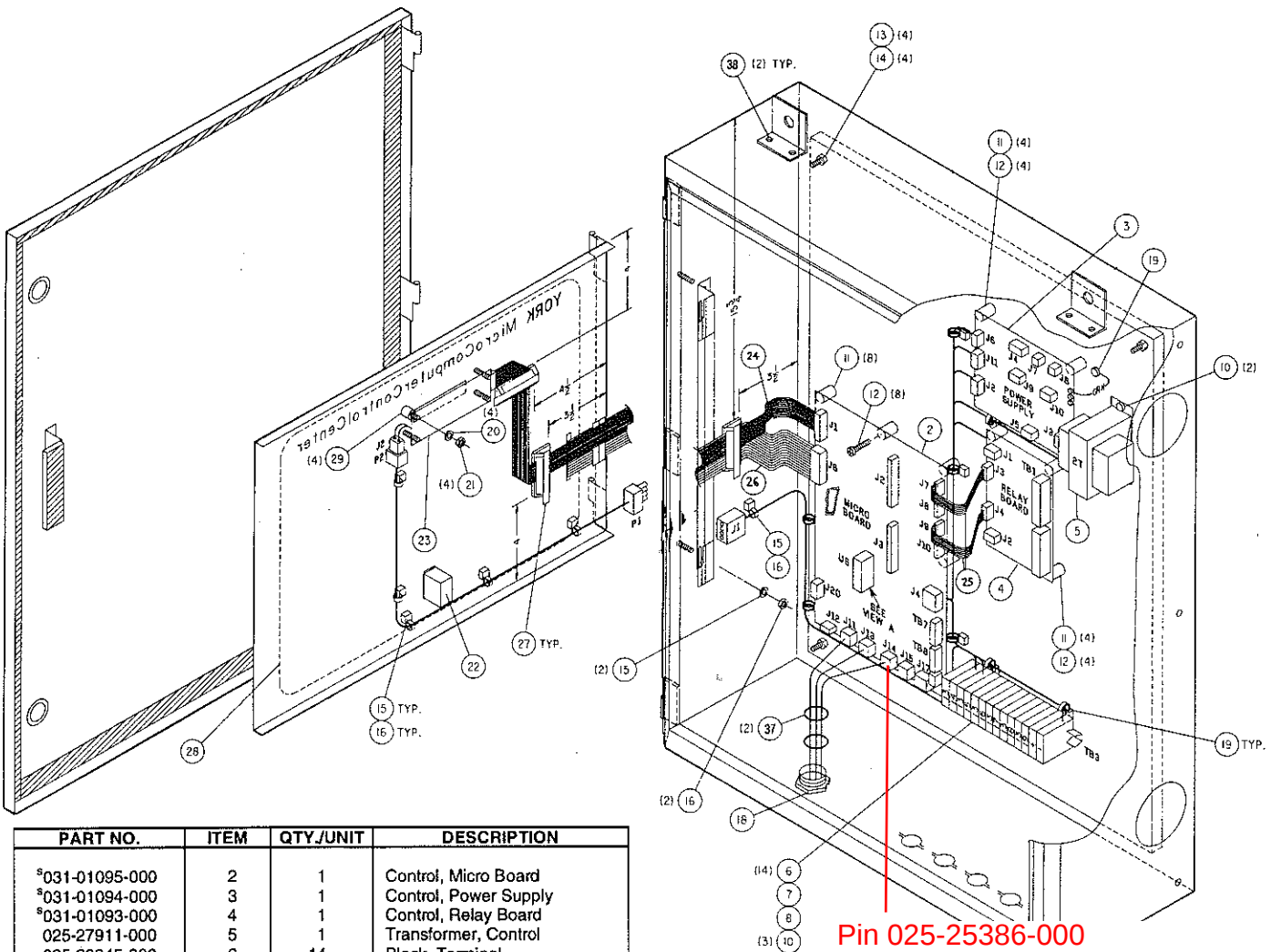
For replacement compressors and/or compressor parts, refer to Form 180.45-RP1.

Remanufactured compressors are available from the Wheeling, Illinois manufacturing facility.

Contact the local York Applied Systems office.



CONTROL PANEL



PART NO.	ITEM	QTY./UNIT	DESCRIPTION
*031-01095-000	2	1	Control, Micro Board
*031-01094-000	3	1	Control, Power Supply
*031-01093-000	4	1	Control, Relay Board
025-27911-000	5	1	Transformer, Control
025-20945-000	6	14	Block, Terminal
025-20946-000	7	1	End, Terminal Block
025-29159-000	8	1	Strip, Marker (14 pole)
029-20878-000	9	2	Catch, Magnetic
021-13783-000	10	5	Scr., Tap TH. #8 x 3/8 LG.
021-14661-000	11	16	Nut, Expansion
021-14667-000	12	16	Scr., Tap Pan Hd. #8 x 1 1/4
021-01155-000	13	4	Lock Washer, TH. Int. 3/8
021-00467-000	14	4	Nut, Hex 3/8-16 UNC-2B
021-01137-000	15	10	Lock Washer, TH. Int. #10
021-08282-000	16	10	Nut, Hex #10-24
025-28383-000	17	3	Hsg., Connr. Plug, Mini-Univ.
025-09389-000	18	1	Connr., Cable, Str. 3/4
021-13789-000	19	14	Scr., Tap, Pan Hd. #10 x 1/2
021-17576-000	20	4	Lock Washer, Hel. Spg. #4
021-10056-000	21	4	Nut, Hex #4-40
024-25517-000	22	1	Switch, Unit ON/OFF
031-01110-000	23	1	Display
031-01109-211	24	1	Ribbon Cable
031-01109-212	25	2	Ribbon Cable
031-01109-213	26	1	Ribbon Cable
025-25156-000	27	3	Clamp, Ribbon Wire
024-25504-000	28	1	Switch, Keypad
021-17575-000	29	4	Spacer, Nylon 7/16 Lg.
371-01226-231	30	1	Harness, Sensor - Suct. #1
371-01226-233	31	1	Harness, Sensor - Oil #1
371-01226-232	32	1	Harness, Sensor - Suct. #2
371-01226-234	33	1	Harness, Sensor - Oil #2
371-01226-241	34	1	Harness, Sensor - LWT
371-01226-242	35	1	Harness, Sensor - EWT
371-01226-243	36	1	Harness, Sensor - OAT
025-18167-000	37	2	Strap, Cable
021-17269-000	38	4	Nut, KEPS 1/4-20
035-03908-000	39	1	Label, Caution
*031-01096-001	40	1	EPROM — Subs 031-01652-001
571-01226-212	41	1	Wire
*031-00808-000	42	3	Suppressor, Option

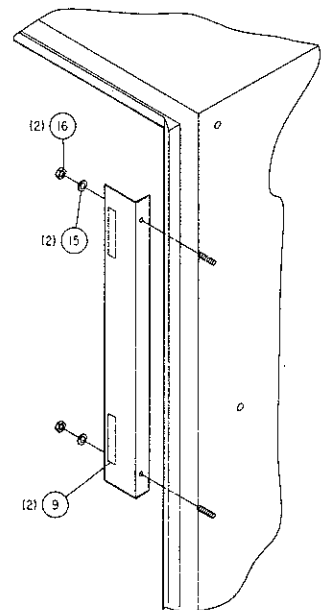
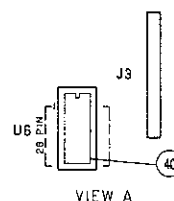
Pin 025-25386-000
Plug 025-28383-000

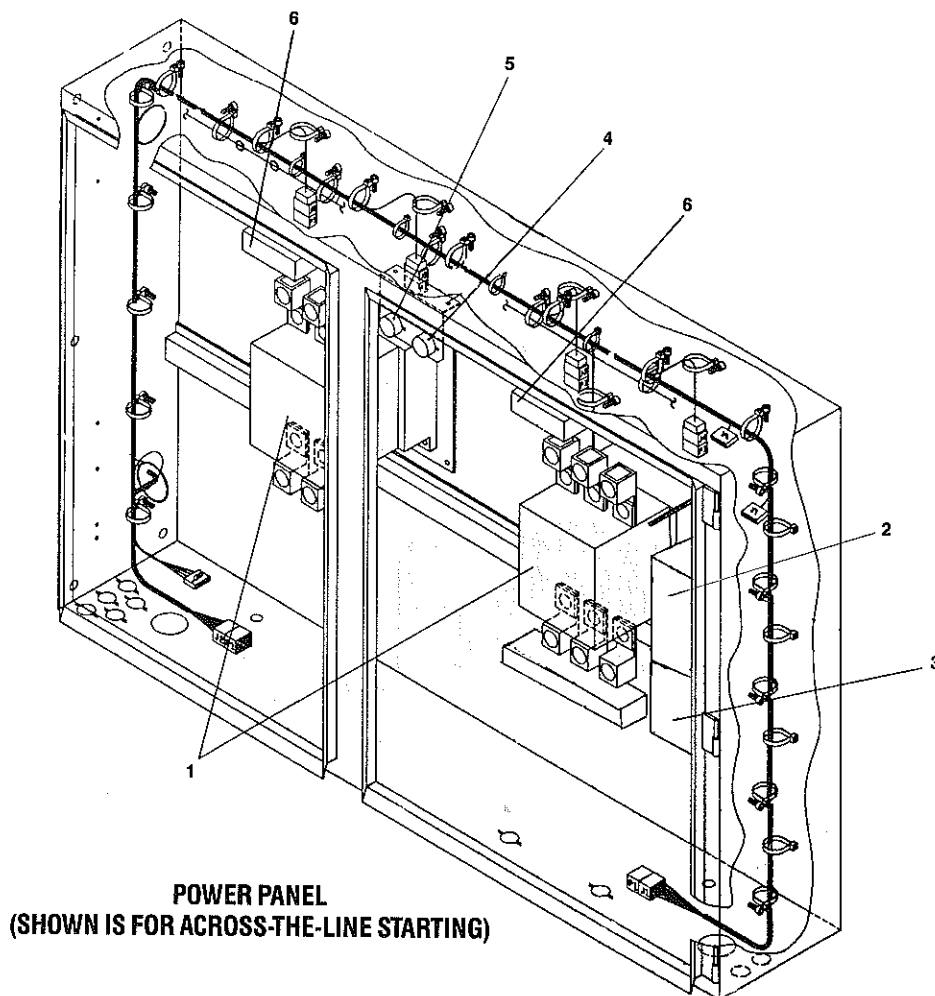
RTC Battery
031-00955-000

* Recommended Stock Spare Part
* Not shown, shipped loose for field use to place across the coil of a relay or contactor supplying dry contacts in the application of:

- Alarm Circuit Relays
- Pump Start Pilot Relays
- Flow Switch Inputs
- BAS Inputs
- Any relay or contactor connected to the Control Panel

Not Shown.
Sensor Harness
W/O Sensor





POWER PANEL CONTROL COMPONENTS

ITEM NO.	QUANT. PER UNIT	DESCRIPTION	VOLT. CODE	PART NUMBER ALL MODELS
*1	See p. 6	Contractor (w/Suppressor), Compressor	ALL	See p. 6
*2	2	CONTACTORS Contactor (w/Suppressor), Fan	-17 -28 -40 -46 -50 -58 -64	024-25521-000 024-25521-000 024-25522-000 024-25522-000 024-25522-000 024-25522-000 024-25522-000
*3	2	Overload, Fan 4 - 6.3 FLA 6.3 - 10 FLA 10 - 16 FLA 16 - 20 FLA		024-25520-000 024-25519-000 024-25518-000 024-25544-000
*4	1	FUSES Electronic Power Supply Circuit (5 amp), 2FU	ALL	025-27922-000
*5	1	Control Circuit (20 amp), IFU	ALL	025-28967-000
6	2	Transformer (Current)	ALL	025-27408-000

Interlock
024-31822-000

COMPRESSOR MOTOR CONTACTORS

VOLT CODE	TYPE START	SYS- TEM	HZ		UNIT MODEL									
			60	YCAZ33JD3		YCAZ44LD3	YCAZ44JD2	YCAZ74LE3	YCAZ74LD2	YCAZ77LE3	YCAZ77LE2	YCAZ88ME3		
			50		YCAZ33JD2								YCAZ88ME2	
-17	A	1	—	—	—	—	—	—	—	—	—	—	—	
		2	—	—	—	—	—	—	—	—	—	—		
	P	1	024-25551-000	—	024-25551-000	—	024-25550-000	024-25550-000	024-25550-000	024-25550-000	—	024-25549-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25550-000	024-25550-000	024-25550-000	024-25550-000	—	024-25549-000	—	
-28	A	1	—	—	—	—	—	—	—	—	—	—	—	
		2	—	—	—	—	—	—	—	—	—	—	—	
	P	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25550-000	024-25550-000	—	024-25549-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25550-000	024-25550-000	024-25550-000	024-25550-000	—	024-25549-000	—	
-40	A	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25550-000	024-25550-000	—	024-25549-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25550-000	024-25550-000	024-25550-000	024-25550-000	—	024-25549-000	—	
	P	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25551-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	024-25551-000	024-25551-000	—	024-25551-000	—	
-46	A	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25549-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	024-25551-000	024-25551-000	—	024-25549-000	—	
	P	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25551-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	024-25551-000	024-25551-000	—	024-25551-000	—	
-50	A	1	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	
		2	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	
	P	1	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	
		2	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	
-58	A	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25550-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25550-000	—	
	P	1	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25551-000	—	
		2	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	024-25551-000	—	024-25551-000	—	
-64	A	1	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25549-000	
		2	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25549-000	
	P	1	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	
		2	—	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	—	024-25551-000	

NOTES: ^s = Recommended Stock Spare Parts

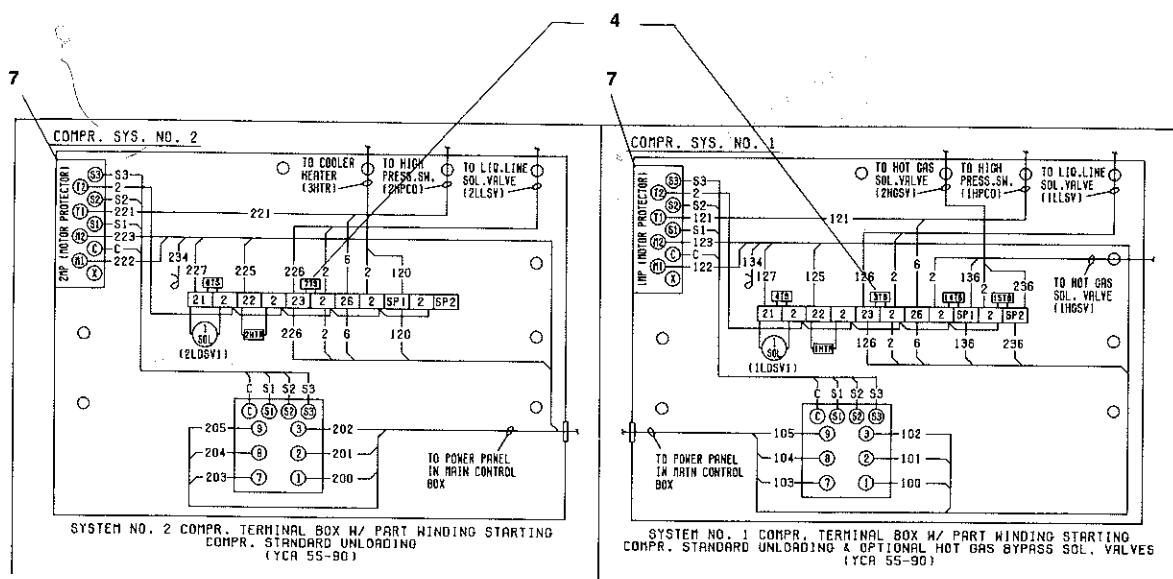
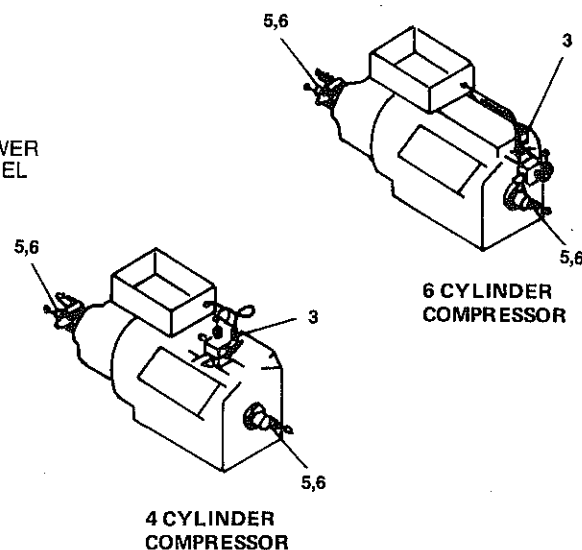
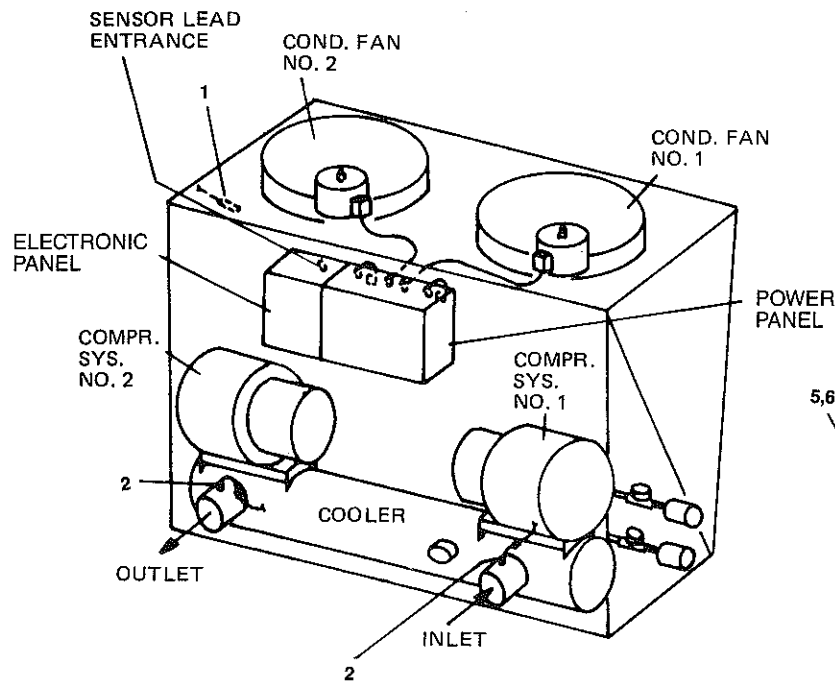
P = Part Winding

Part Winding (start) compressors require two (2) contactors per compressor (system).

A = Across-the-line

Across-the-line (start) compressors require one (1) contactor per compressor (system).

Contactors include suppressors.



CONTROL COMPONENTS

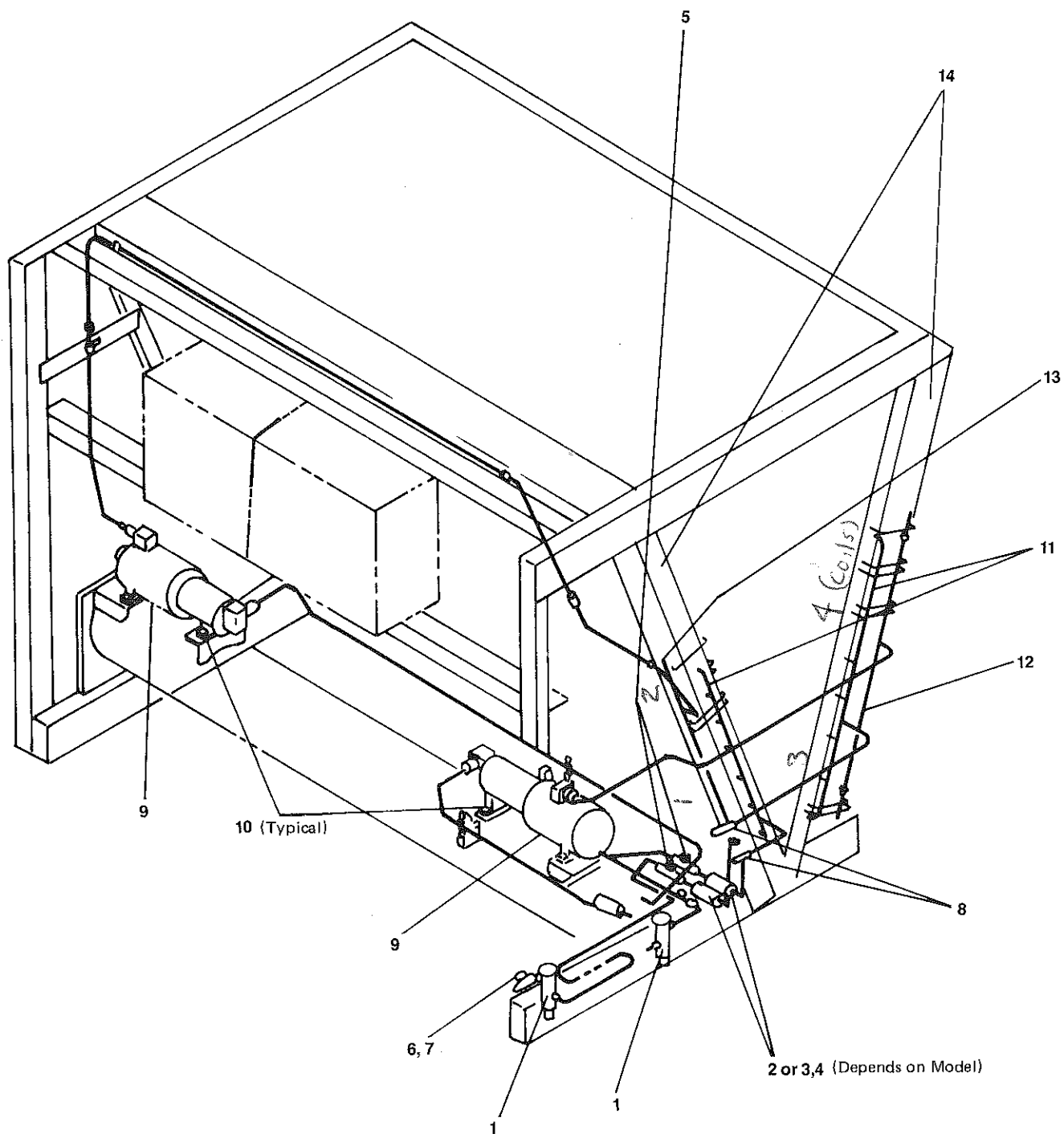
ITEM NO.	QUANT. PER UNIT	DESCRIPTION	VOLT. CODE	PART NUMBER ALL MODELS
s1	1	SENSORS		
s2	2	Outside Air (OAT)	ALL	025-28663-001
s3	2	Water Temp. (LWT, RWT)	ALL	025-28935-000
s4	4	High Pressure Cutout	ALL	025-28985-002
s5	4	Suppressor Comp. Unload Sol. & Liquid Line Solenoid	ALL	031-01117-000
6	4	Transducer (Oil & Suction Pressure)	ALL	025-29139-002
7	2	Brass Adaptor (use with Item 5)	ALL	025-27522-000
8*	3	Module, Motor Protector	ALL	031-00808-000
		Suppressor	ALL	

*Recommended Stock Spare Part

*Not Shown. Shipped Loose for Field Use in the Application of:

- Alarm Circuit Relays
- Pump Starter Pilot Relays
- Flow Switch Inputs
- BAS Inputs

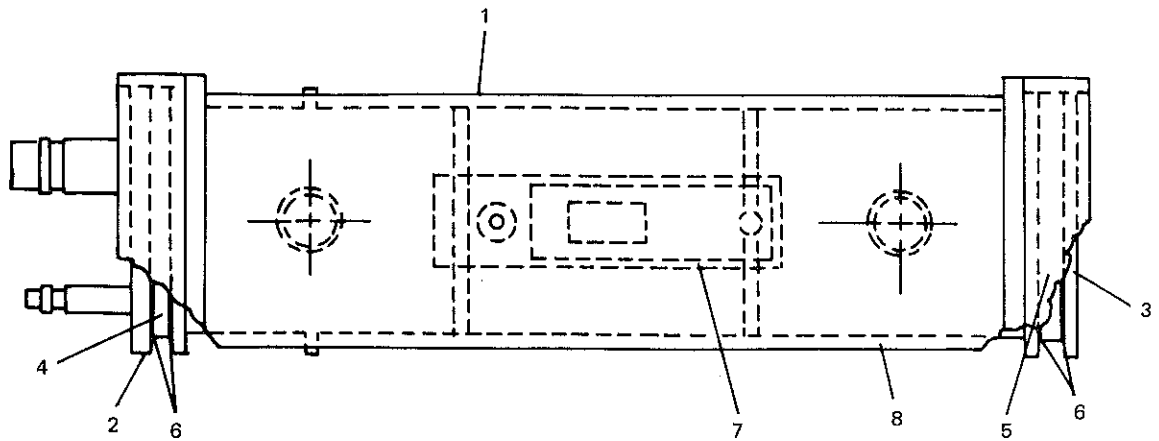
See Form 155.44-NM3, Installation Operating and Maintenance



UNIT COMPONENTS

ITEM NO.	QUAN. PER UNIT	DESCRIPTION	60 HZ UNIT MODEL				
			YCAZ33JD3	YCAZ44LD3	YCAZ74LE3	YCAZ77LE3	YCAZ88ME3
			60 HZ PARTS				
51	2	Valve, Thermal Expansion	025-21954	025-23211	025-23211	025-23211	025-23211
			50 HZ UNIT MODEL				
			YCAZ33JD2	YCAZ44JD2	YCAZ74LD2	YCAZ77LE2	YCAZ88ME2
			50 HZ PARTS				
51	2	Valve, Thermal Expansion	025-21954	025-21954	025-23211	025-23211	025-23211
			60 HZ/50 HZ COMMON PARTS				
52	2	Dehydrator, Body (Permanent Core)	026-20145	026-20145	—	—	—
3	2	Dehydrator, Body (Replaceable Core)	—	—	026-30598	026-30598	026-30598
54	4	Dehydrator, Core (Use with Item 3)	—	—	026-18328	026-18328	026-18328
5	2	Valve, Liquid Solenoid	025-17513	025-17513	025-17513	025-17513	025-17513
6	2	Moisture Indicator, Body	026-16957	026-16957	026-16957	026-16957	026-16957
7	2	Moisture Indicator, Cap Assembly	026-16958	026-16958	026-16958	026-16958	026-16958
8	2	Valve, Liquid Stop	025-10510	025-10510	025-10510	025-10510	025-10510
9	2	Compressor	NOTE (2)	NOTE (2)	NOTE (2)	NOTE (2)	NOTE (2)
10	16	Pad, Isolator	075-00820	075-00820	075-00820	075-00820	075-00820
ALUMINUM FIN COILS-STANDARD							
11	2	Header, Liquid	366-94438	366-94438	366-93928	366-93928	366-93928
12	1	Header, Discharge, System 1	375-05376	375-05376	375-05372	375-05372	375-05372
13	1	Header, Discharge, System 2	375-05378	375-05378	375-05372	375-05372	375-05372
14	NOTE (1)	Coil, Condenser	026-31589	026-31589	026-31589	026-31589	026-31589
HERESITE-COATED COILS-OPTION							
11	2	Header, Liquid	375-02537	375-02537	375-02541	375-02541	375-02541
12	1	Header, Discharge, System 1	375-05691	375-05691	375-05692	375-05692	375-05692
13	1	Header, Discharge, System 2	375-05690	375-05690	375-05692	375-05692	375-05692
14	NOTE (1)	Coil, Condenser	326-31641	326-31641	326-31641	326-31641	326-31641
COPPER FIN COILS-OPTION							
11	2	Header, Liquid	366-94438	366-94438	366-93928	366-93928	366-93928
12	1	Header, Discharge, System 1	375-05376	375-05376	375-05372	375-05372	375-05372
13	1	Header, Discharge, System 2	375-05376	375-05378	375-05372	375-05372	375-05372
14	(NOTE 1)	Coil, Condenser	026-31647	026-31647	026-31647	026-31647	026-31647
NOTES: (1)		No. Condenser Coils per Unit See Page 2	4	4	6	6	6
(2)							

*Recommended Stock Spare Part



700# dry

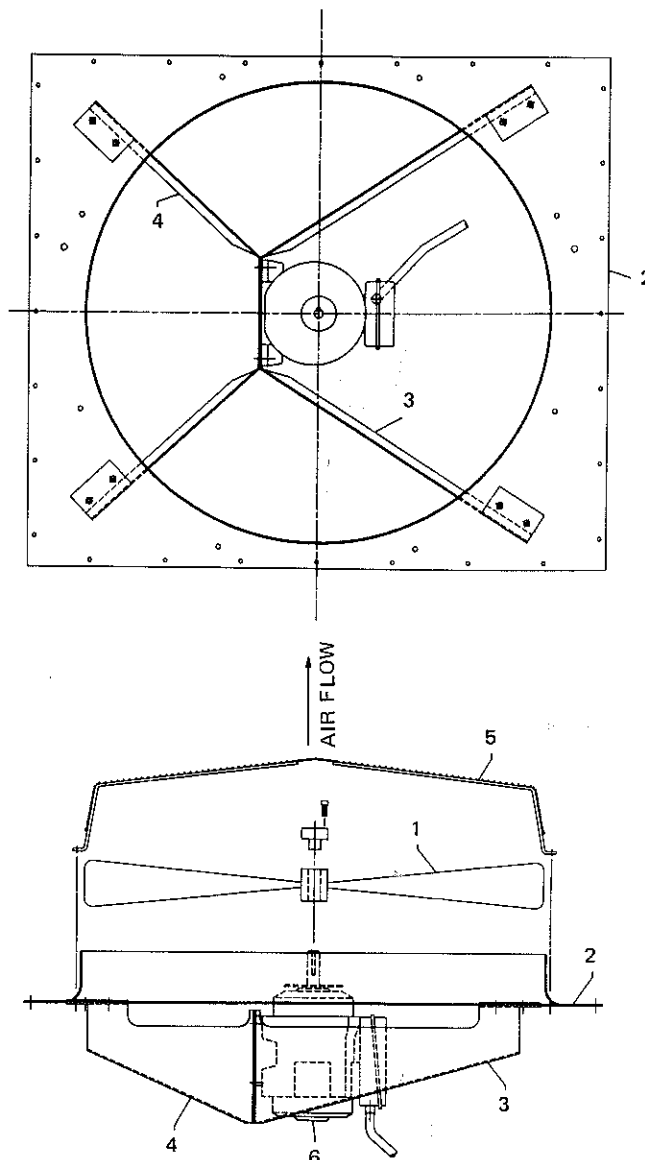
ITEM NO.	QUAN. PER UNIT	DESCRIPTION	UNIT MODEL						
			HZ						
			60	YCAZ33JD3	YCAZ44LD3		YCAZ74LE3	YCAZ77LE3	YCAZ88ME3
			50	YCAZ33JD2		YCAZ44JD2	YCAZ74LD2	YCAZ77LE2	YCAZ88ME2
1	1	Cooler, Less Insulation & Heater (Includes items 2-6)		375-00494	375-00472	375-00494	375-00472	375-00472	375-01546
2	1	Head, Connection End		366-93980	366-93960	366-93980	366-93960	366-93960	366-93090
3	1	Head, Back End		366-87608	366-55335	366-87608	366-55335	366-55335	366-87740
4	1	Baffle, Pass, Connection End		066-93969	066-93569	066-93969	066-93569	066-93569	066-93086
5	1	Baffle, Pass, Back End		066-93968	066-93570	066-93968	066-93570	066-93570	066-93084
*6+	4	Gasket, Pass Baffle and Head		066-93970	066-93573	066-93970	066-93573	066-93573	066-93083
*7	1	Heater, Cooler		025-22691	025-22691	025-22691	025-22691	025-22691	025-22692
8	3	Insulation 3/4" x 42" x 68"		010-04198	010-04198	010-04198	010-04198	010-04198	010-04198

+ When replacing gasket, item 6, use:

*Sealer, Gasket, 031-02827

*Primer, 031-01753

*Recommended Stock Spare Parts



ITEM NO.	DESCRIPTION	PART NUMBER
^s 1	Blade	026-30582-000 — 42" DIA. PART
2	Orifice	326-30325-000
3	Support, Motor	075-00618-000
4	Support, Motor	075-00619-000
5	Guard	026-30594-000
^s 6	Motor	VOLTAGE CODE
		-17 024-25247-002
		-28 024-25247-002
		-40 024-25247-001
		-46 024-25247-001
		-50 024-24604-001
		-58 024-25252-000
		-64 024-24604-001

^sRecommended Stock Spare Part

COMPONENTS FOR UNIT OPTIONS

ITEM	QUANT. PER UNIT	DESCRIPTION	VOLTAGE CODE	ALL MODELS
A	2	REMOTE COOLER	ALL	
B	2	Valve, Thermal Expansion	ALL	
C	2	Dehydrator, Body (Permanent Core)	ALL	
D	4	Dehydrator, Body (Replaceable Core)	ALL	
		Dehydrator, Core (Use with Item C)		
		NOTE: All other parts for this option are same as standard including cooler, controls and unit components		
E	DEPENDS ON UNIT	ADDITIONAL STEPS OF UNLOADING Suppressor Unit Model Columns list quantity required in <i>addition</i> to standard quantities (see p.5 for standard) NOTE: This option also requires Relay Board Kit, Item I	ALL	031-01117-000
F	1	POWER DISCONNECT SWITCH (PDS) Switch, Disconnect	17 28 40 46 50 58 64	
G	1	CONTROL TRANSFORMER (1T) Transformer	17 28 40 46 50 58 64	025-29627-001 025-29627-002 025-29627-003 025-29627-002 025-29627-003 025-29627-004 N.A.
H	2	Fuse, Transformer (15 amp), 3 FU, 4FU.	17 28 40 46 50 58 64	025-27699-000 025-27509-015 025-28967-000 025-25584-000 025-28967-000 025-21145-000 N.A.
I	1	PUMP CONTROL KIT/RELAY BOARD KIT Relay Control Board	ALL	031-01093-000
J	2*	DISCHARGE PRESSURE READOUT KIT Transducer, Discharge Pressure	ALL	025-29139-001
K	2*	Isolator, Transducer (Use With Item J.)	ALL	023-16272-000
L	1	LOW AMBIENT KIT Fan Contactor w/Suppressor NOTE: This option also required Relay Board Kit, Item I, and Discharge Pressure Readout Kit, Items J, K	ALL	024-25547-000
M	2	LOADMINDER (HOT GAS BYPASS) STANDARD UNIT	ALL	025-27647-000
N	2	Valve, Regulator, Hot Gas	ALL	031-01117-000
O	2	Suppressor		
P	2	REMOTE COOLER Valve, Regulator, Hot Gas	ALL	025-29944-000
		Suppressor	ALL	031-01117-000
		NOTE: Loadminder option also requires Relay Board Kit, Item I		
Q	1	FLOW CONTROL SWITCH Switch, Flow	ALL	024-15793-000
R	1	REMOTE CONTROL CENTER Control, Micro Board	ALL	031-01196-000
S	1	WALL-MOUNTED TRANSFORMER Transformer, Primary Voltage 115v 230v NOTE: Used with Remote Control Center, if specified	— —	025-29917-001 025-29917-002
T	1	MULTIPLE UNIT SEQUENCING KIT	ALL	025-28935-000
U	1	Sensor, Temperature	ALL	025-29900-000
		Resistor, Fixed 180 ohm		
V	1	BAS INTERFACE Control, Remote Reset	ALL	031-00814-000

NOTE:
Parts listed on Pages 12 & 13 are for single replacement parts contained in the Option Kits.

Part numbers provided DO NOT reflect part numbers for complete Option Kits. See the Installation Operation Manual Form 150.44-NM3 for complete Option Kit part numbers.

HZ	UNIT MODEL									
60	YCAZ33JD3		YCAZ44LD3		YCAZ74LE3		YCAZ77LE3		YCAZ88ME3	
50		YCAZ33JD2		YCAZ44JD2		YCAZ74LD2		YCAZ77LE2		YCAZ88ME2
	025-21954 026-20145 — —	025-21954 026-20145 — —	025-23211 026-20145 — —	025-21954 026-20145 — —	025-23211 026-20145 — —	025-21954 026-20145 — —	025-23211 — 026-30598 026-18328	025-23211 — 026-30598 026-18328	025-23211 — 026-30598 026-18328	025-23211 <i>OVERSS</i> — 026-30598 026-18328
	N.A.	N.A.	N.A.	N.A.	1	1	2	2	2	2
	024-25564 024-25564 024-25565 024-25565 024-25565	 024-25565 024-25565	024-25564 024-25564 024-25565 024-25565 024-25565	 024-25565 024-25565	024-25564 024-25564 024-25565 024-25565 024-25565	 024-25565 024-25565	024-25563 024-25564 024-25564 024-25565 024-25565	 024-25565 024-25565	024-25563 024-25563 024-25564 024-25564 024-25565	 024-25564 024-25564

*one (1) Required Per Compressor

Key: —Not Applicable

N.A. Not Available



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