

Connection housing

2 pos 025-28951-000

for 371-01226-241, 242, and 243

3 pos 025-28954-000

**YCAZ33BA3, YCAZ44BA3, YCAZ74BB3,
YCAZ77CB3, YCAZ88DB3****STYLE A**

ERPOM 031-01652-001

Oil Temp Sensor Harness

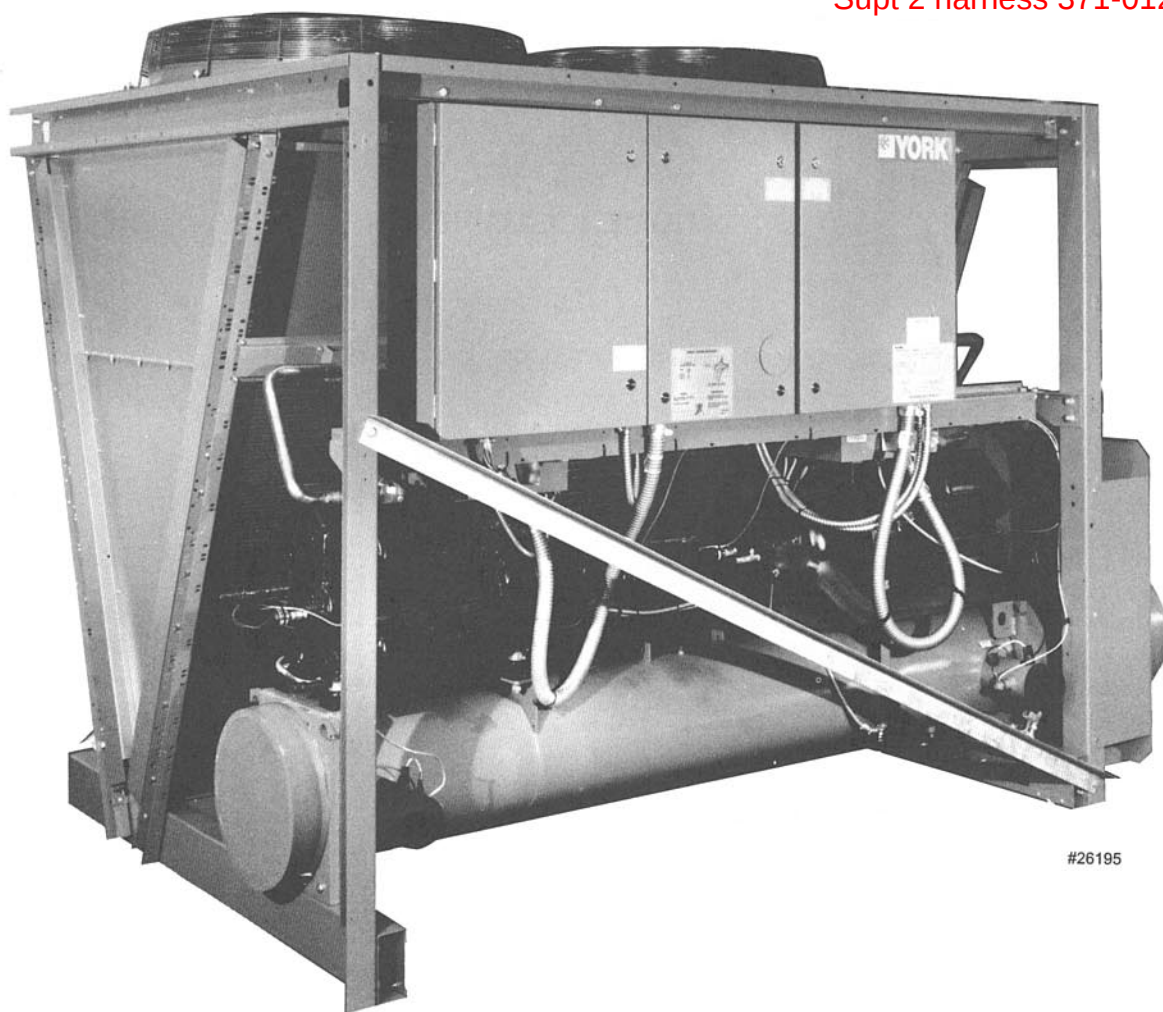
RT1 = 371-02201-221

RT2 = 371-02201-222

Enclosure Kit 475-05661-002

Discharge pressure transducer
025-29139-001

Supt 2 harness 371-01226-236



#26195

WARNING

HIGH VOLTAGE
is used in the operation of this equipment
DEATH OR SERIOUS INJURY
may result if personnel fail to observe 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.

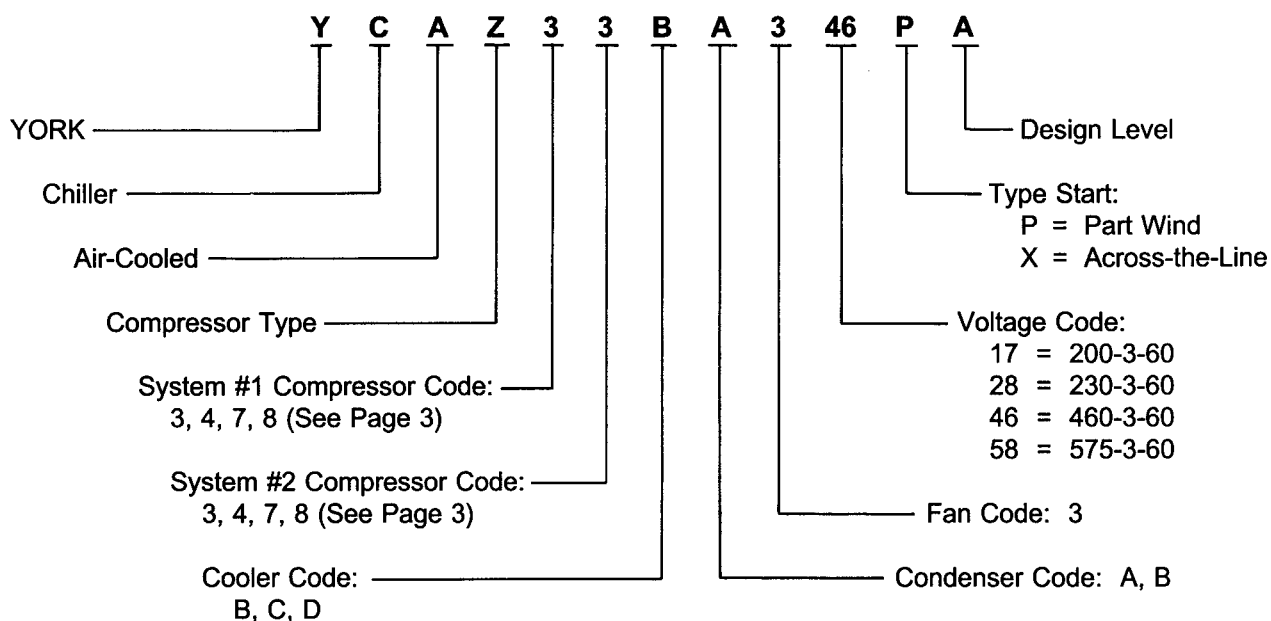
Be careful to not contact high voltage connections when installing or operating this equipment.

LOW VOLTAGE

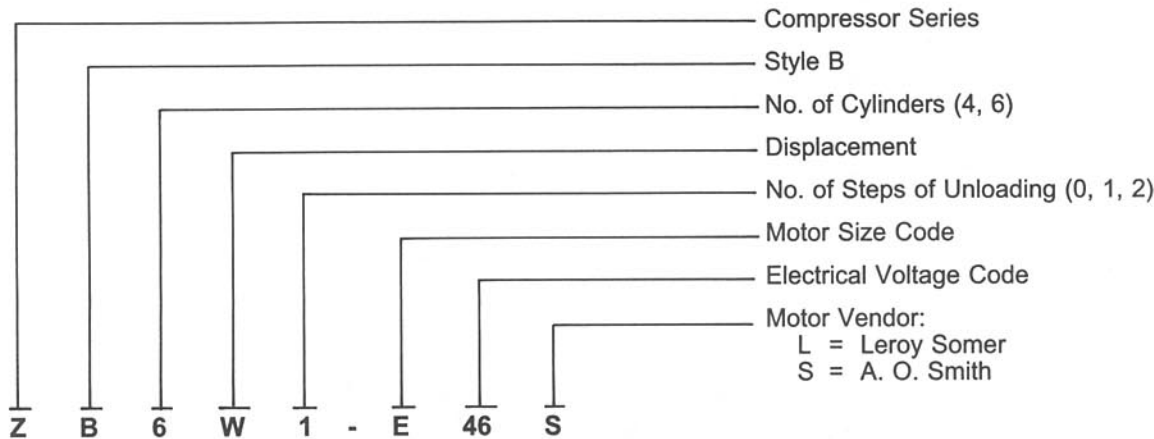
DO NOT be misled by the term "low voltage". Voltages as low as 50 volts may cause death.

NOMENCLATURE

The model number denotes the following characteristics of the unit:



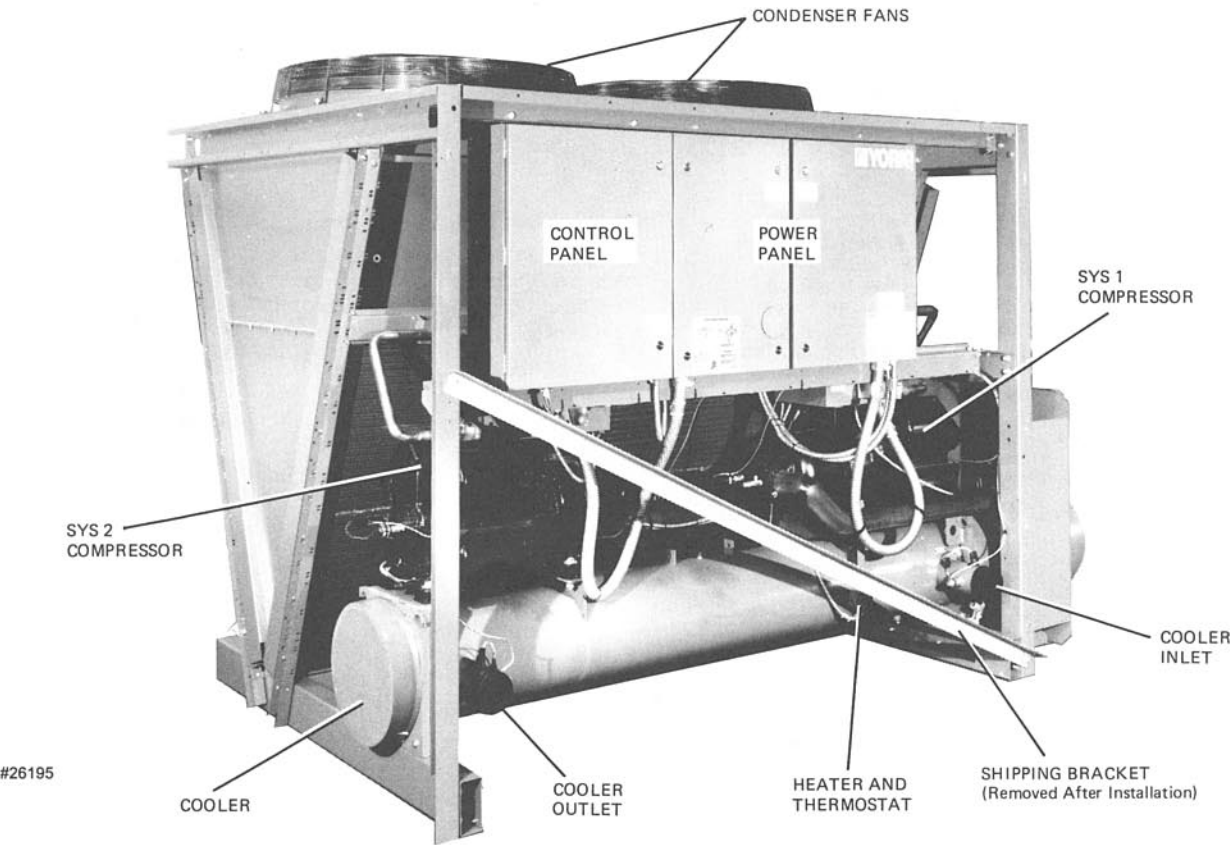
COMPRESSOR NOMENCLATURE



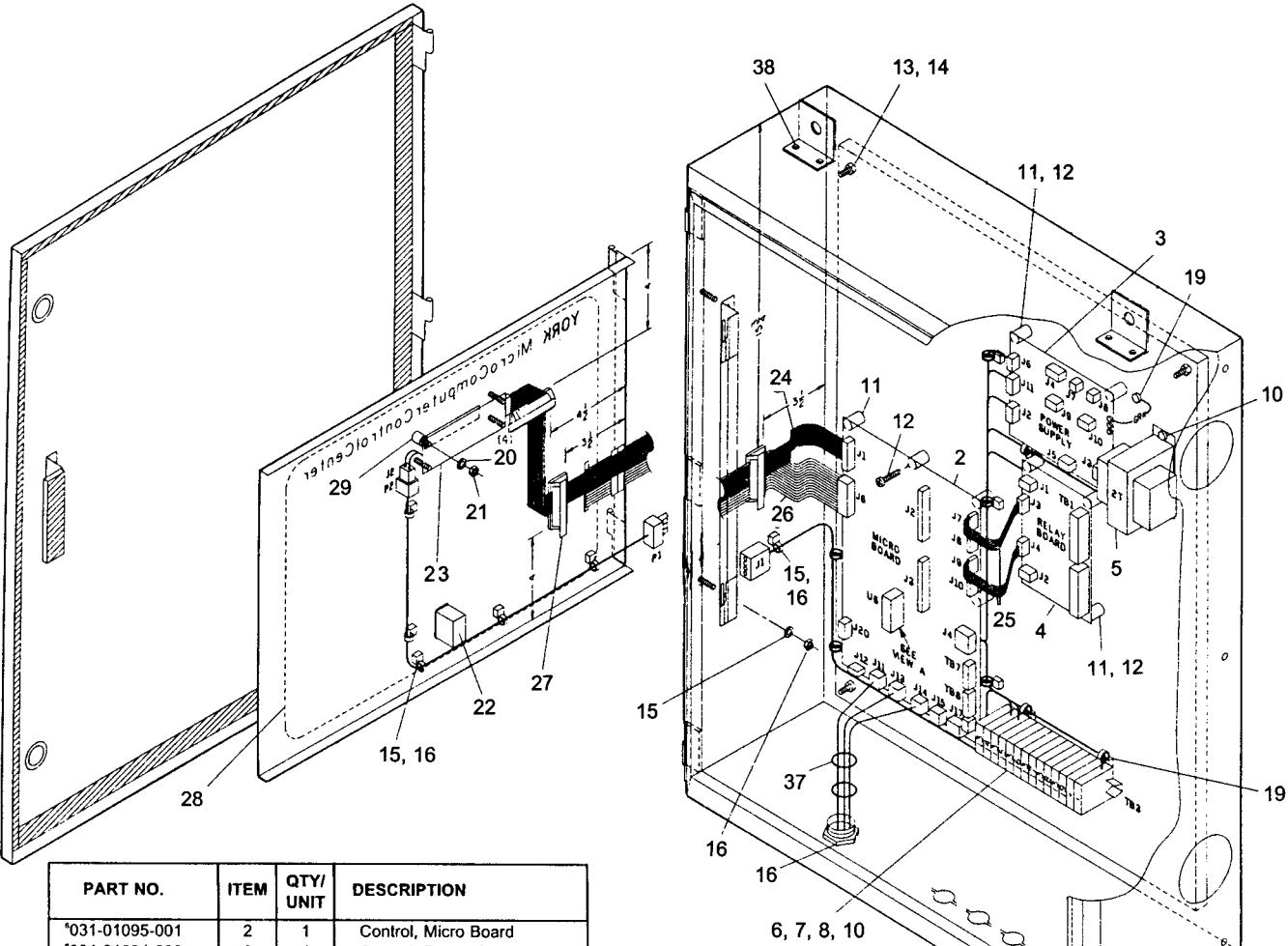
COMPRESSOR MODEL NUMBERS

UNIT MODEL		YCAZ33BA3	YCAZ44BA3	YCAZ74BB3	YCAZ77CB3	YCAZ88DB3
Compressor Model	System No. 1	ZB4K1-B	ZB4M1-C	ZB6S1-D	ZB6S1-D	ZB6W1-E
	System No. 2	ZB4K1-B	ZB4M1-C	ZB4M1-C	ZB6S1-D	ZB6W1-E

For replacement compressors and/or parts, refer to Form 180.45-RP2. Remanufactured compressors are available from the Wheeling, Illinois manufacturing facility. Contact the local York International office.



CONTROL PANEL



PART NO.	ITEM	QTY/ UNIT	DESCRIPTION
*031-01095-001	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
031-01226-234	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	3	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
571-01226-212	41	1	Harness, Hinged Panel
*031-00808-000	42	3	Suppressor for Options

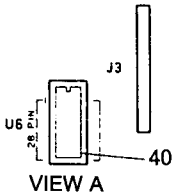
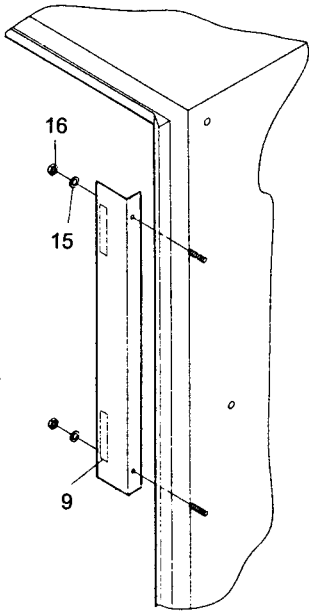
^s Recommended Stock Spare Part

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

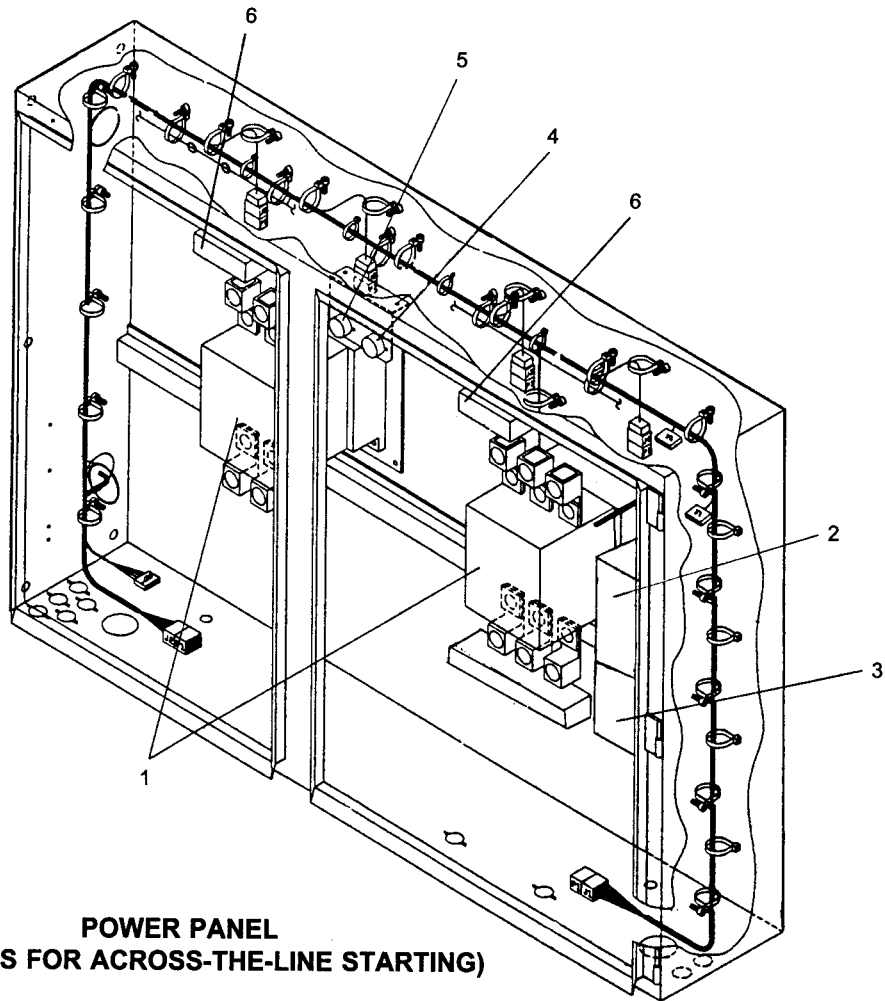
- Alarm Circuit Relays
- Pump Starter Pilot Relays
- Flow Switch Inputs
- BAS Inputs
- Any relay or contactor connected to the Control Panel

See Form 155.44-NM4, Installation Operating and Maintenance.

Not Shown.
Sensor Harness
W/O Sensor



VIEW A



POWER PANEL
(SHOWN IS FOR ACROSS-THE-LINE STARTING)

**POWER PANEL
CONTROL COMPONENTS**

ITEM NO.	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	PART NUMBER ALL MODELS
^s 1	See page 6	Contact (w/Suppressor), Compressor	ALL	See page 6
^s 2	2	CONTACTORS Contact (w/Suppressor), Fan	-17 -28 -46 -58	024-25521-000 024-25521-000 024-25522-000 024-25522-000
^s 3	2	Overload, Fan 6.3-10 FLA 10-16 FLA		024-25519-000 024-25518-000
^s 4	1	FUSES Electronic Power Sup. Cir. (5 amp), 2FU	ALL	025-27922-000
^s 5	1	Control Circuit (20 amp), 1FU	ALL	025-28967-000
6	2	Transformer, Current	ALL	025-27408-000

^s Recommended Stock Spare Parts

^sCOMPRESSOR MOTOR CONTACTORS

VOLTAGE CODE	TYPE START	SYSTEM	UNIT MODEL				
			YCAZ33BA3	YCAZ44BA3	YCAZ74BB3	YCAZ77CB3	YCAZ88DB3
-17	A	1	—	—	—	—	—
		2	—	—	—	—	—
	P	1	024-25551	024-25551	024-25550	024-25550	024-25549
		2	024-25551	024-25551	024-25550	024-25550	024-25549
-28	A	1	—	—	—	—	—
		2	—	—	—	—	—
	P	1	024-25551	024-25551	024-25550	024-25550	024-25549
		2	024-25551	024-25551	024-25550	024-25550	024-25549
-46	A	1	024-25551	024-25551	024-25551	024-25551	024-25549
		2	024-25551	024-25551	024-25551	024-25551	024-25549
	P	1	024-25551	024-25551	024-25551	024-25551	024-25551
		2	024-25551	024-25551	024-25551	024-25551	024-25551
-58	A	1	024-25551	024-25551	024-25551	024-25551	024-25550
		2	024-25551	024-25551	024-25551	024-25551	024-25550
	P	1	024-25551	024-25551	024-25551	024-25551	024-25551
		2	024-25551	024-25551	024-25551	024-25551	024-25551

NOTES: ^s = Recommended Stock Spare Parts

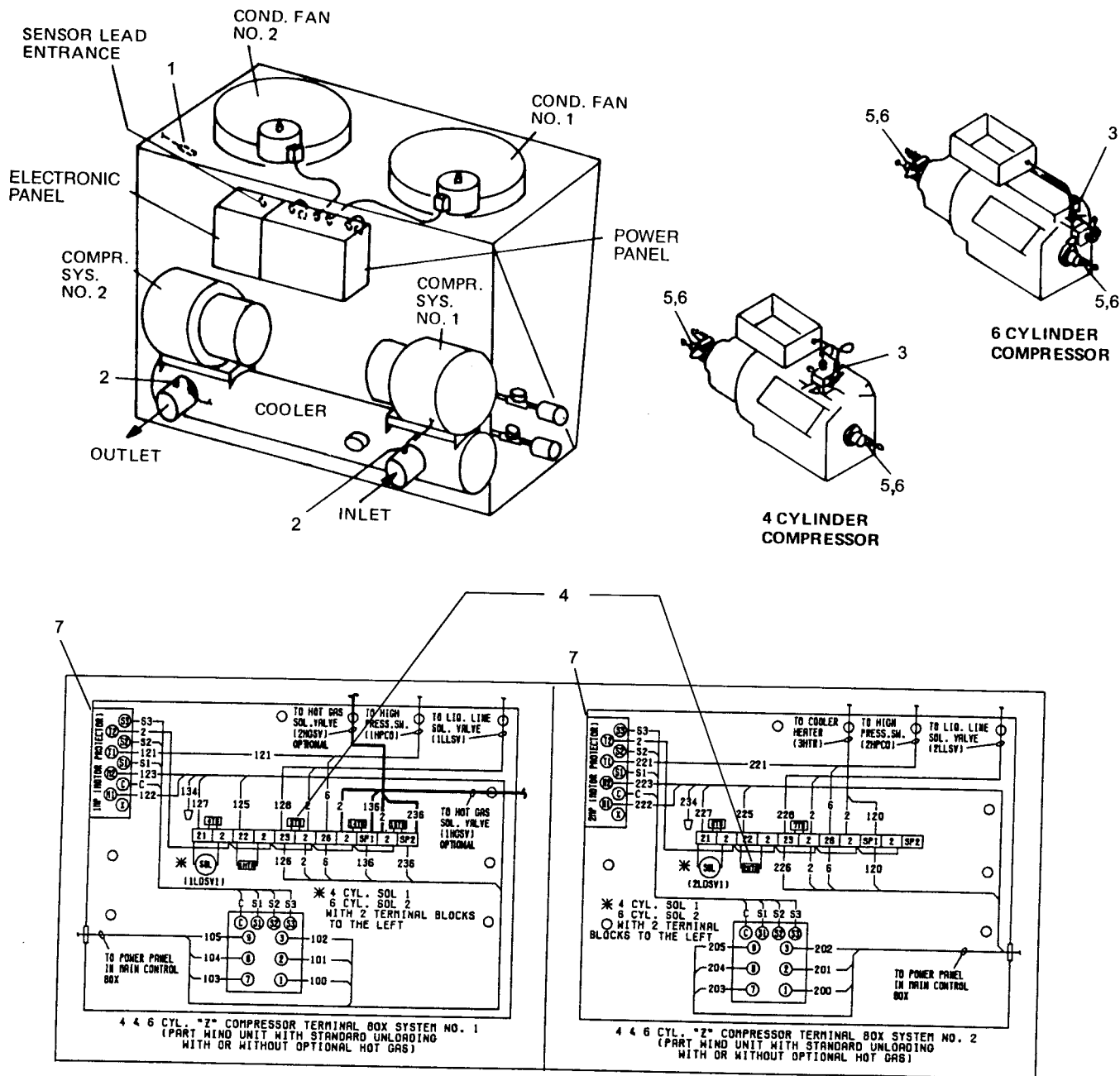
P = Part Winding

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).

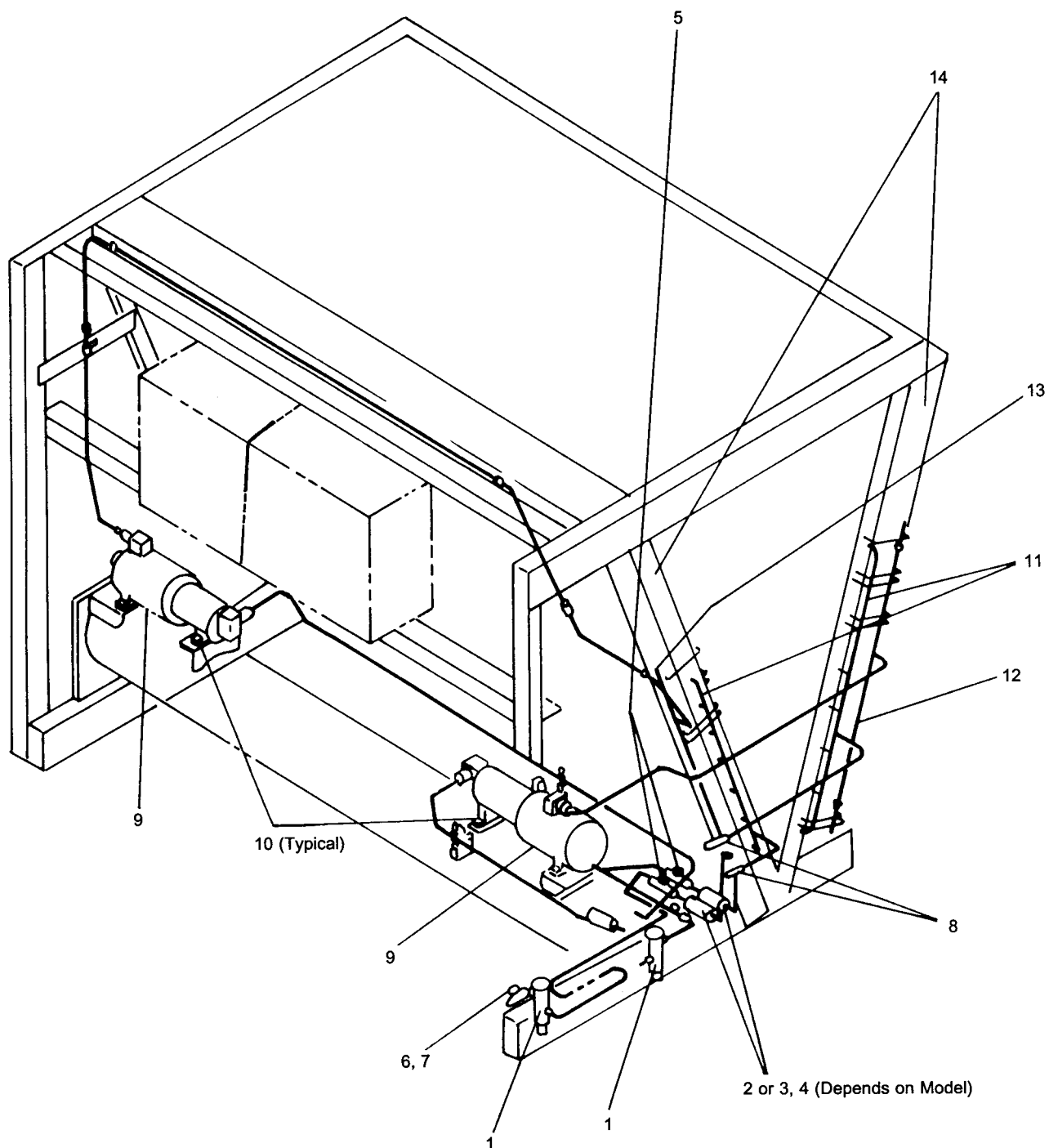
Contactors include suppressors.



CONTROL COMPONENTS

ITEM NO.	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	PART NUMBER ALL MODELS
S ¹	1	SENSORS		
S ²	2	Outside Air (OAT)	ALL	025-28663-001
S ³	2	Water Temperature (LWT, RWT)	ALL	025-29964-000
S ⁴	4	High Pressure Cutout	ALL	025-28985-002
		Suppressor, Compressor Unloading		
		Solenoids and Liquid Line Solenoids		031-01117-000
S ⁵	4	Transducer (Oil & Suction Pressure)	ALL	025-29139-002
6	4	Brass Adaptor (Use with Item 5)	ALL	023-16272-000
7	2	Module, Motor Protector	ALL	025-27522-000
8	1	Heat Conductive Compound (Use with Item 2)	ALL	013-00898-000

^sRecommended Stock Spare Parts



UNIT COMPONENTS

ITEM NO.	QUAN. PER UNIT	DESCRIPTION	UNIT MODEL				
			YCAZ33BA3	YCAZ44BA3	YCAZ74BB3	YCAZ77CB3	YCAZ88DB3
^s 1	2	Valve, Thermal Expansion	025-21954	025-21954	025-21954	025-23211	025-23211
^s 2	2	Dehydrator, Body (Permanent Core)	026-20145	026-20145	—	—	—
3	2	Dehydrator, Body (Replaceable Core)	—	—	026-30598	026-30598	026-30598
^s 4	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	026-32397	026-32397	026-32397	026-32397	026-32397
7	2	Moisture Indicator, Cap Assembly	026-32800	026-32800	026-32800	026-32800	026-32800
8	2	Valve, Liquid Stop	025-10510	025-10510	025-10510	025-10510	025-10510
9	2	Compressor	See Page 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, Sys. 1	375-05376	375-05376	375-05372	375-05372	375-05372
13	1	Header, Discharge, Sys. 2	375-05378	375-05378	375-05372	375-05372	375-05372
14	—	Coil, Condenser	026-31589	026-31589	026-31589	026-31589	026-31589
	—	Number of Coils per Unit	4	4	6	6	6

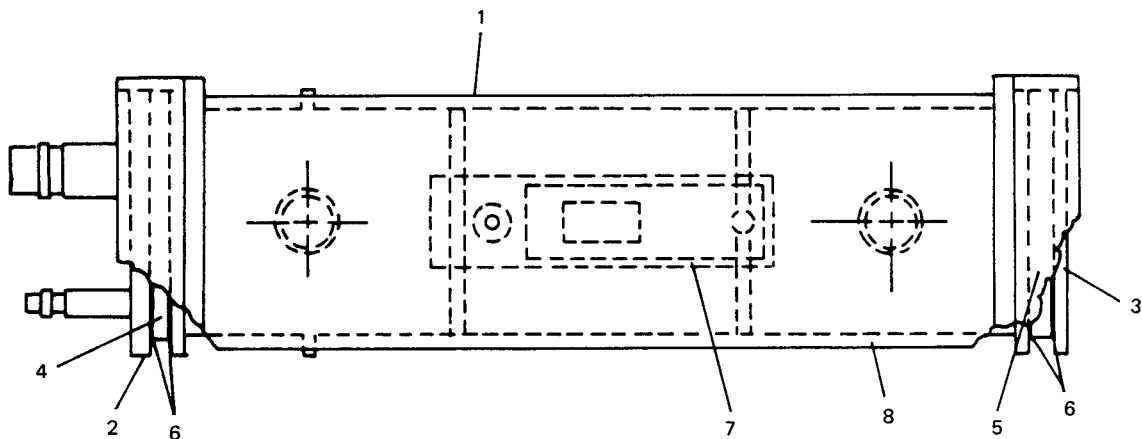
TECHNICOAT or HERESITE-COATED COILS – OPTION

11	2	Header, Liquid	375-02537	375-02537	375-02541	375-02541	375-02541
12	1	Header, Discharge, Sys. 1	375-05691	375-05691	375-05692	375-05692	375-05692
13	1	Header, Discharge, Sys. 2	375-05690	375-05690	375-05692	375-05692	375-05692
14	—	Coil, Condenser	326-31641	326-31641	326-31641	326-31641	326-31641
	—	Number of Coils per Unit	4	4	6	6	6

COPPER FIN COILS – OPTION

11	2	Header, Liquid	366-94438	366-94438	366-93928	366-93928	366-93928
12	1	Header, Discharge, Sys. 1	375-05376	375-05376	375-05372	375-05372	375-05372
13	1	Header, Discharge, Sys. 2	375-05378	375-05378	375-05372	375-05372	375-05372
14	—	Coil, Condenser	026-31647	026-31647	026-31647	026-31647	026-31647
	—	Number of Coils per Unit	4	4	6	6	6

^s Recommended Stock Spare Parts



ITEM NO.	QUAN. PER UNIT	DESCRIPTION	UNIT MODEL				
			YCAZ33BA3	YCAZ44BA3	YCAZ74BB3	YCAZ77CB3	YCAZ88DB3
1	1	Cooler Less Insulation & Heater (Includes Items 2 thru 6)	375-17503	375-17503	375-17503	375-17505	375-17507
2	1	Head, Connection End	375-17525	375-17525	375-17525	375-17553	375-17068
3	1	Head, Back End	375-17523	375-17523	375-17523	375-17554	375-17065
4	1	Pass Baffle, Conn. End	075-17031	075-17031	075-17031	075-17544	375-17072
5	1	Pass Baffle, Back End	375-18173	375-18173	375-18173	375-18174	375-18175
^s 6+	4	Gasket, Pass Baffle & Hd	075-17033	075-17033	075-17033	075-17546	075-17071
^s 7	1	Heater	025-22691	025-22691	025-22691	025-22691	025-22692
8	3	Insulation, 3/4" x 49" x 65"	010-04198	010-04198	010-04198	010-04198	010-04198

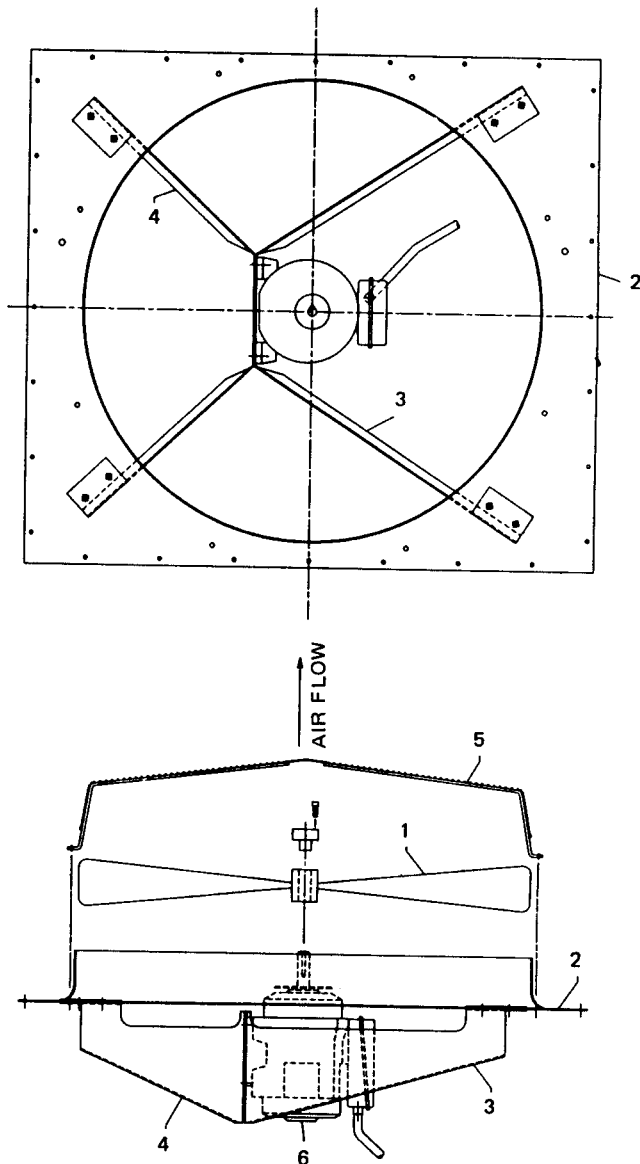
+ When replacing gasket, Item 6, use:

^s Sealer, Gasket, ~~031~~-02827

^s Primer, ~~031~~-01753

013

^s Recommended Stock Spare Parts



ITEM NO.	DESCRIPTION		PART NUMBER
^s 1	Blade		026-30582-000
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	025-25247-002
		-46	024-25247-001
		-58	024-25252-000

^s Recommended Stock Spare Parts

REPLACEMENT COMPONENTS FOR UNIT OPTIONS

ITEM NO.	QUAN. / UNIT	DESCRIPTION	VOLT. CODE	ALL MODELS	UNIT MODELS				
					YCAZ33BA3	YCAZ44BA3	YCAZ74BB3	YCAZ77CB3	YCAZ88DB3
A	2	REMOTE COOLER Valve, Thermal Expansion	ALL		025-23211	025-23211	025-23211	025-23211	025-23211
B	2	Dehydrator, Body (Permanent Core)	ALL		026-20145	026-20145	026-20145	—	—
C	2	Dehydrator, Body (Replaceable Core)	ALL		—	—	—	026-30598	026-30598
D	4	Dehydrator Core (Use with Item C) <i>NOTE: All other parts for this option are the same as standard, including cooler, controls and unit components.</i>	ALL		—	—	—	026-18328	026-18328
E	Depends on Unit	ADDITIONAL STEPS OF UNLOADING Suppressor. Unit Model Columns list quantity required in <u>addition</u> to standard quantities (see Page 5 for standard).	ALL	031-01117-000	N/A	N/A	1	2	2
F	1	POWER DISCONNECT SWITCH (PDS) Switch, Disconnect	-17 -28 -46 -58		024-25564 024-25564 024-25565 024-25565	024-25564 024-25564 024-25565 024-25565	024-25564 024-25564 024-25565 024-25565	024-25563 024-25564 024-25565 024-25565	024-25563 024-25563 024-25564 024-25565
G	1	CONTROL TRANSFORMER (1T) Transformer	-17 -28 -46 -58	025-29627-001 025-29627-002 025-29627-004 025-29627-004					
H	2	Fuse, Transformer, 3 FU, 4 FU (15 amp)	-17 -28 -46 -58	025-27699-000 025-27509-015 025-25584-000 025-21145-000					
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*	Adaptor, Transducer (Use with Item J)	ALL	023-16272-000					
L	1	LOW AMBIENT KIT Fan Contactor with suppressor	ALL	024-25547-000					
M	2	LOADMINDER (HOT GAS BYPASS) Standard Unit	ALL	025-27647-000					
N	2	Valve, Regulator, Hot Gas Suppressor	ALL	031-01117-000					
O	2	Unit with Remote Cooler Valve, Regulator, Hot Gas	ALL	025-29944-000					
P	2	Suppressor	ALL	031-01117-000					
Q	1	FLOW CONTROL SWITCH Switch, Flow	ALL	024-26116-000					
R	1	REMOTE CONTROL CENTER Control, Micro Board	ALL	031-01196-000					
S	1	Wall-Mounted Transformer, Primary Voltage 115V Option	—	025-29917-001					
T	1	MULTIPLE UNIT SEQUENCING KIT Sensor, Temperature	ALL	025-28935-000					
U	1	Resistor, 180 Ohm Fixed	ALL	025-29900-000					
V	1	BAS INTERFACE Control Board, Remote Reset	ALL	031-00814-000					
W	1	CHICAGO CODE Valve, Relief	ALL	022-08881-000					

* One Required Per Compressor

KEY: — = Not Applicable
N/A = Not Available

NOTE:

Parts listed on this page are for Single Replacement Parts contained in the Option Kits.

Part Numbers provided are not part numbers for complete Option Kits.

See the Installation Operation manual, Form 150.44-NM4 for complete Option Kit Part Numbers.



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