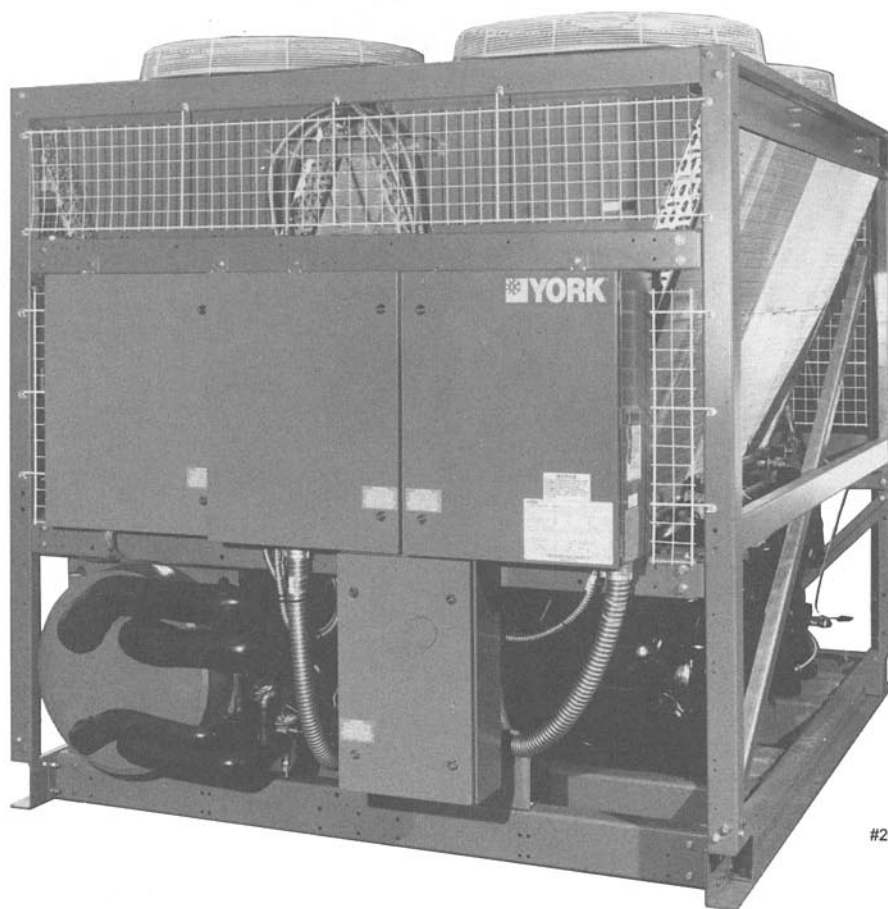


**YCAZ88EE8, YCAJ44HE8, YCAJ54HE8,
YCAJ55HE8, YCAJ65HE8**

STYLE A



#26174

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.

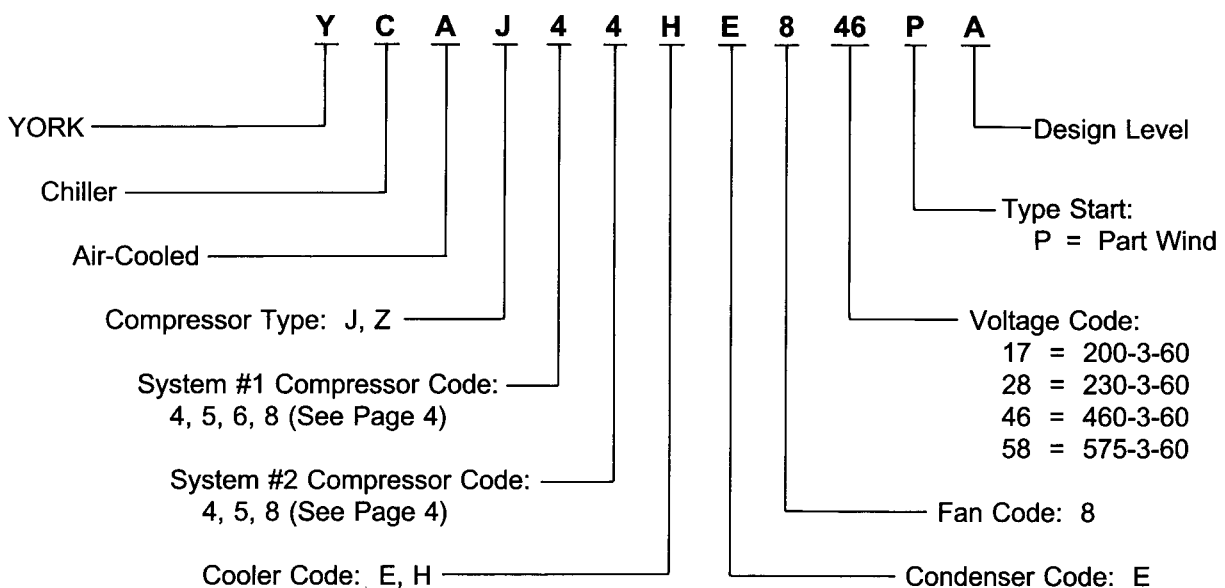
Be careful to not contact high voltage connections when installing or operating this equipment.

LOW VOLTAGE

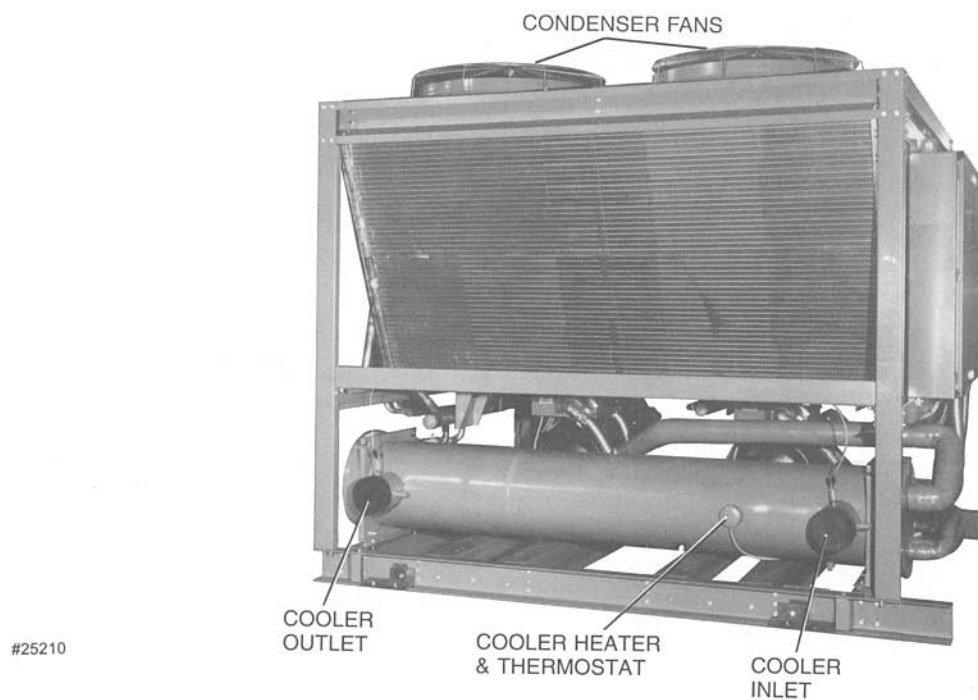
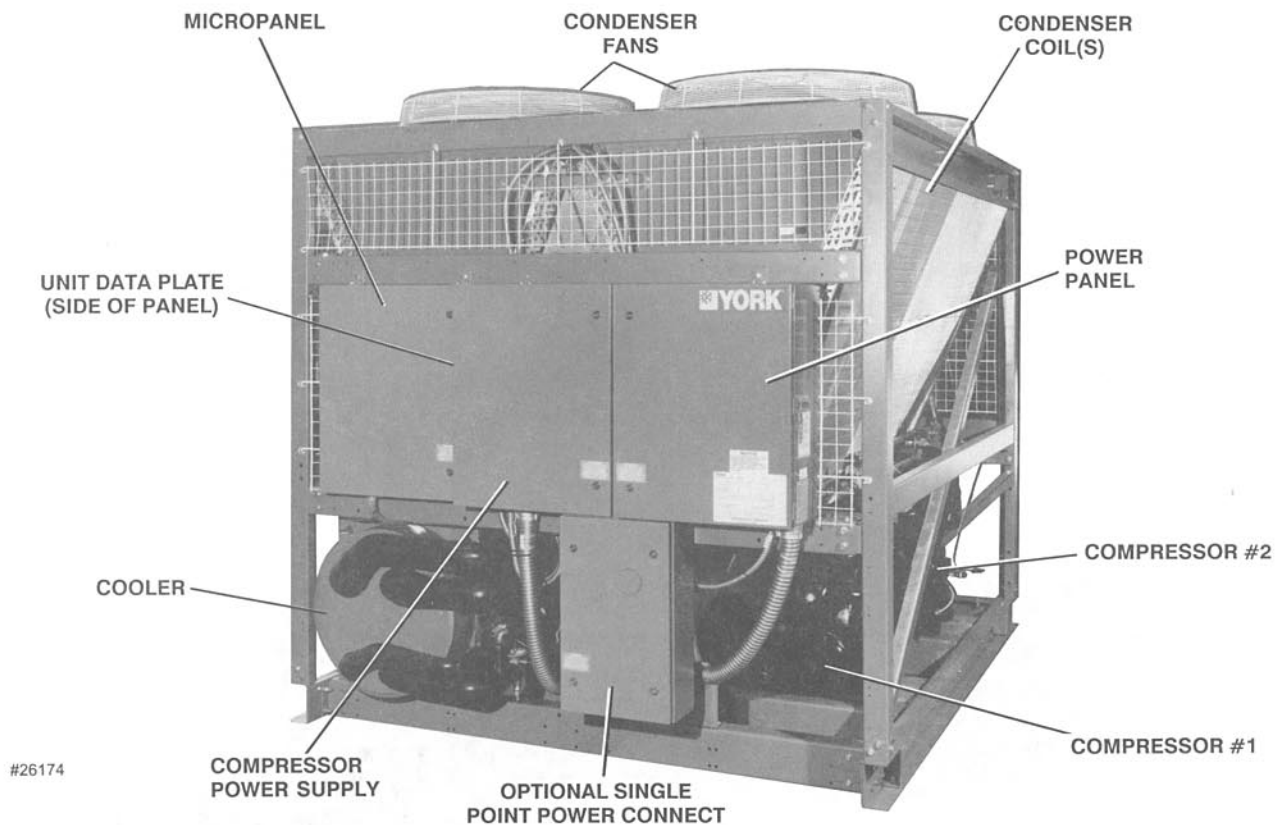
DO NOT be misled by the term "low voltage". Voltages as low as 50 volts may cause death.

NOMENCLATURE

The model number denotes the following characteristics of the unit:

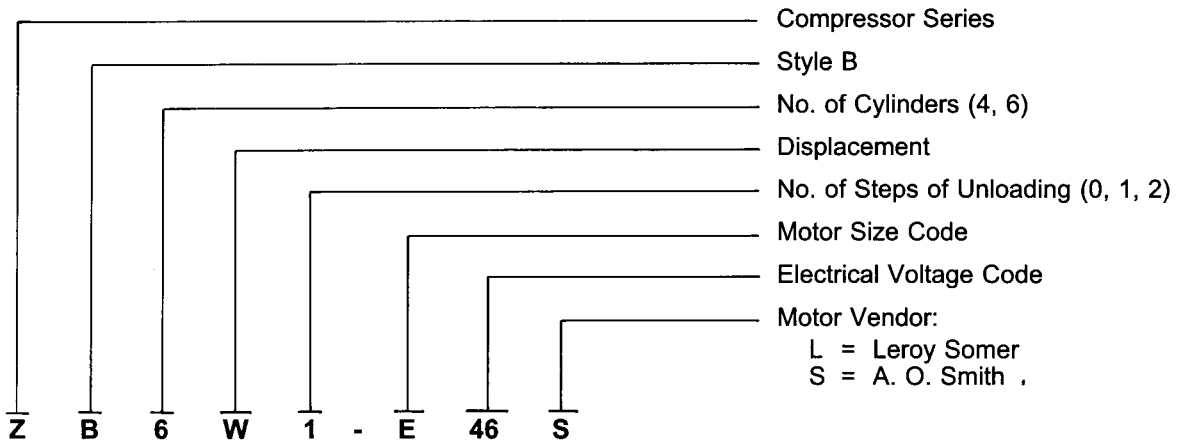


MAJOR UNIT COMPONENTS

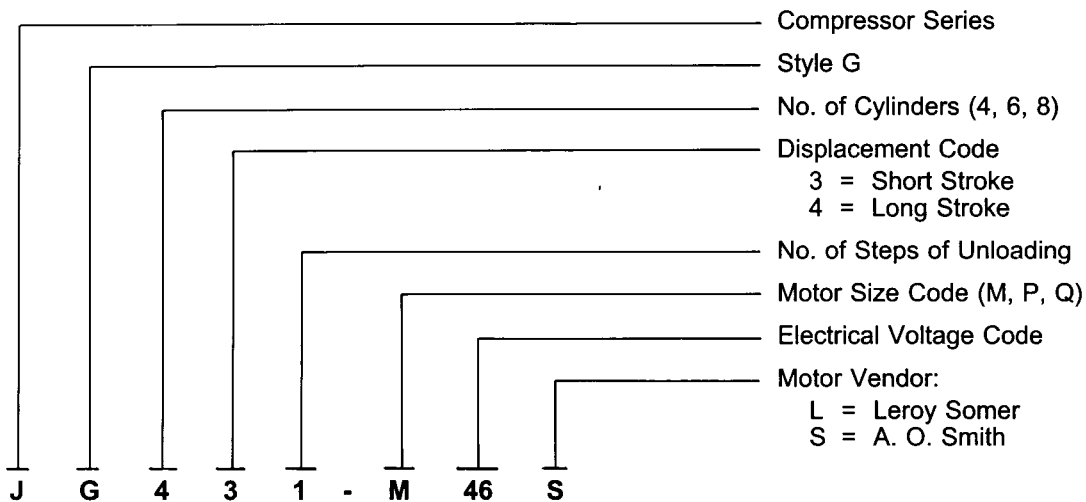


COMPRESSOR NOMENCLATURE

Z MODELS



J MODELS



COMPRESSOR MODEL NUMBERS

UNIT MODEL		YCAZ88EE8	YCAJ44HE8	YCAJ54HE8	YCAJ55HE8	YCAJ65HE8
Compressor Model	System No. 1	ZB6W1-E	JG431-M	JG441-M	JG441-M	JG632-Q
	System No. 2	ZB6W1-E	JG431-M	JG431-M	JG441-M	JG441-M

For replacement compressors and/or parts, refer to the following, as appropriate:

"Z" Compressors - Form 180.45-RP2

"J" Compressors - Form 180.23-RP4

Remanufactured compressors are available from the Wheeling, Illinois manufacturing facility. Contact the local York International office.

^SCOMPRESSOR MOTOR CONTACTORS

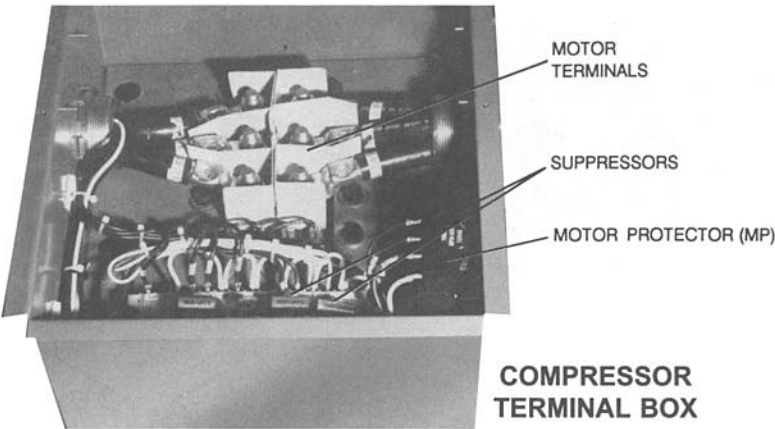
VOLTAGE CODE	TYPE START	SYSTEM	UNIT MODEL				
			YCAZ88EE8	YCAJ44HE8	YCAJ54HE8	YCAJ55HE8	YCAJ65HE8
-17	P	1	024-25549	024-25549	024-25548	024-25548	024-25548
		2	024-25549	024-25549	024-25548	024-25548	024-25548
-28	P	1	024-25549	024-25549	024-25549	024-25549	024-25548
		2	024-25549	024-25549	024-25549	024-25549	024-25548
-46	P	1	024-25551	024-25551	024-25550	024-25550	024-25550
		2	024-25551	024-25551	024-25550	024-25550	024-25550
-58	P	1	024-25551	024-25551	024-25551	024-25551	024-25550
		2	024-25551	024-25551	024-25551	024-25551	024-25550

NOTES: ^S = Recommended Stock Spare Parts

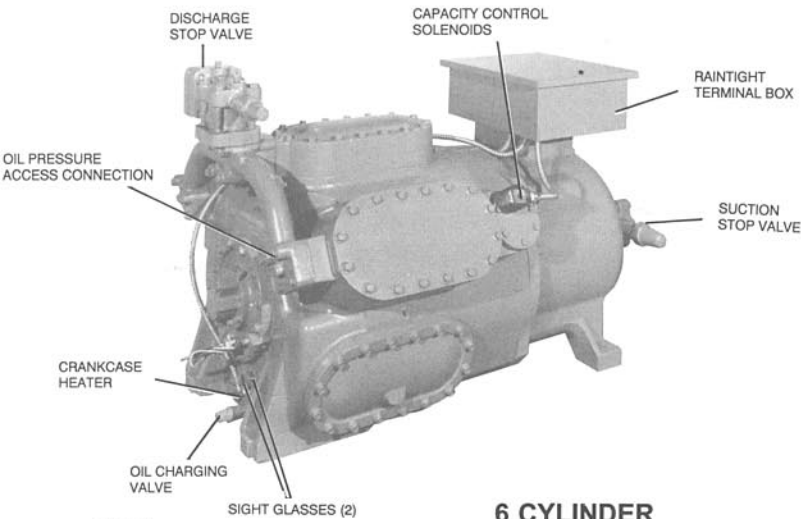
P = Part Winding

Part Winding (Start) compressors require two (2) contactors per compressor (system).
Contactors include suppressors.

COMPRESSOR COMPONENTS

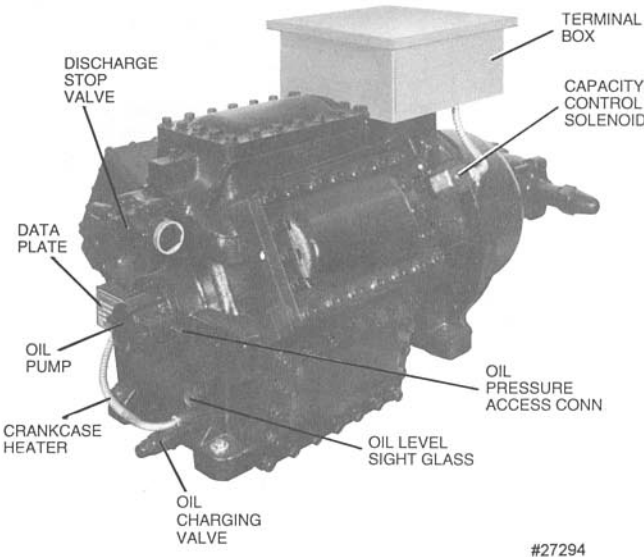


#25213



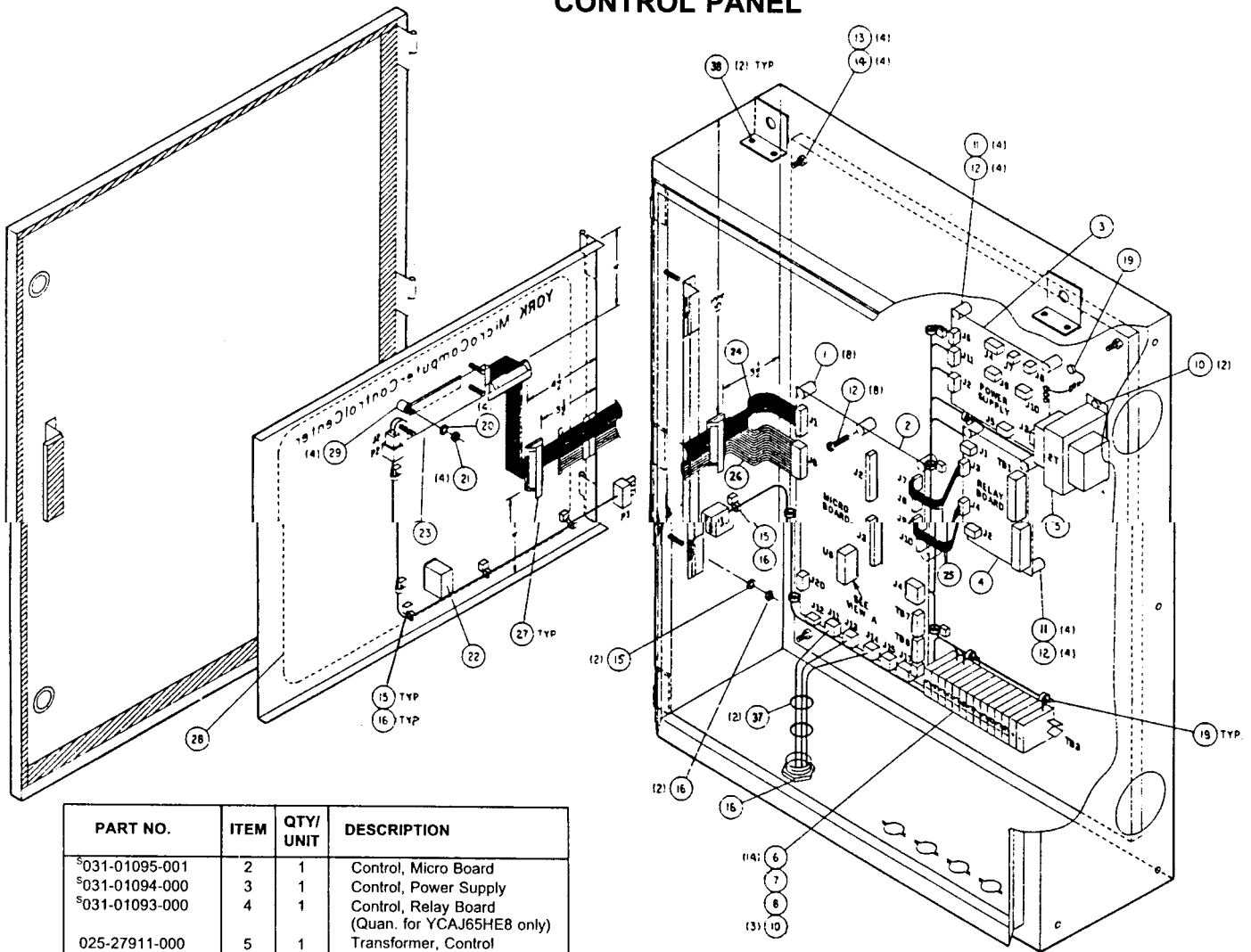
#27599

YORK INTERNATIONAL



#27294

CONTROL PANEL



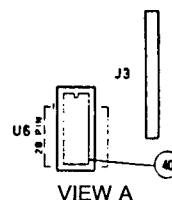
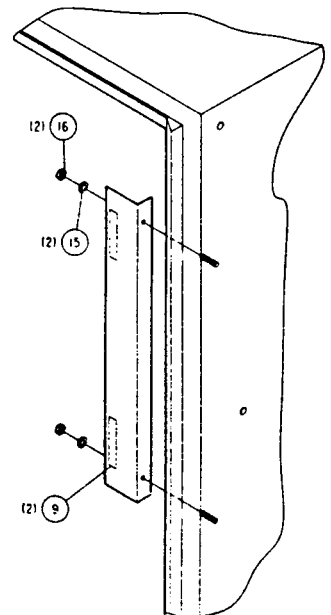
PART NO.	ITEM	QTY/ UNIT	DESCRIPTION
^S 031-01095-001	2	1	Control, Micro Board
^S 031-01094-000	3	1	Control, Power Supply
^S 031-01093-000	4	1	Control, Relay Board (Quan. for YCAJ65HE8 only)
025-27911-000	5	1	Transformer, Control
025-20945-000	6	14	Block, Terminal
025-20946-000	7	1	End, Terminal Block
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
^S 031-01096-001	40	1	EPROM
571-01226-212	41	1	Harness, Hinged Panel
*031-00808-000	42	3	Suppressor for Options

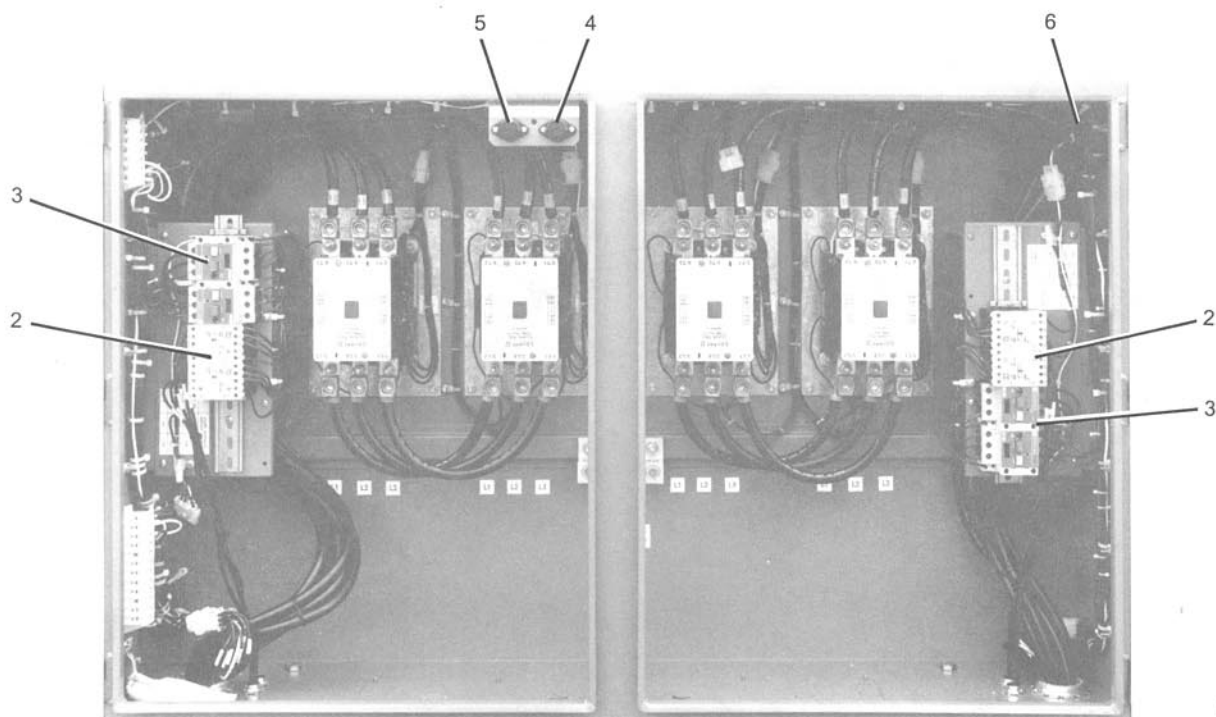
^S Recommended Stock Spare Part

* 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

Not Shown.
Sensor Harness
W/O Sensor





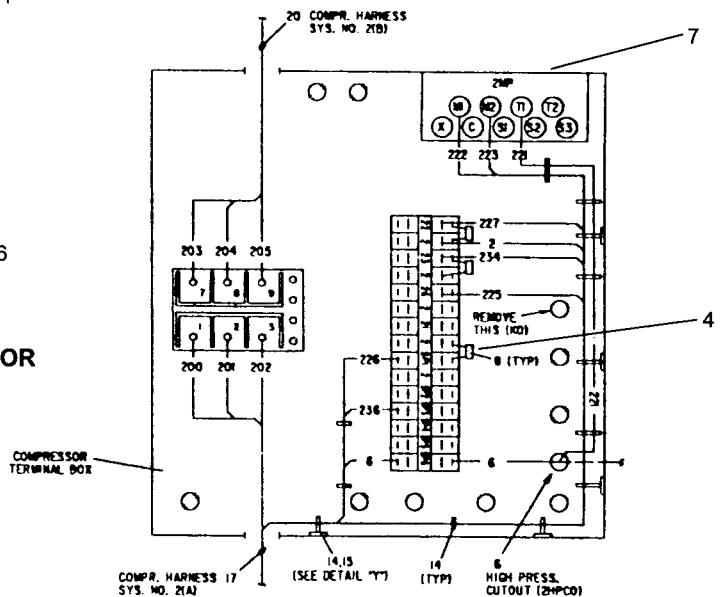
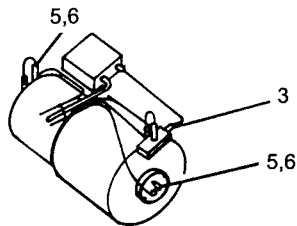
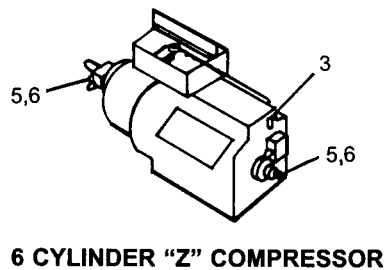
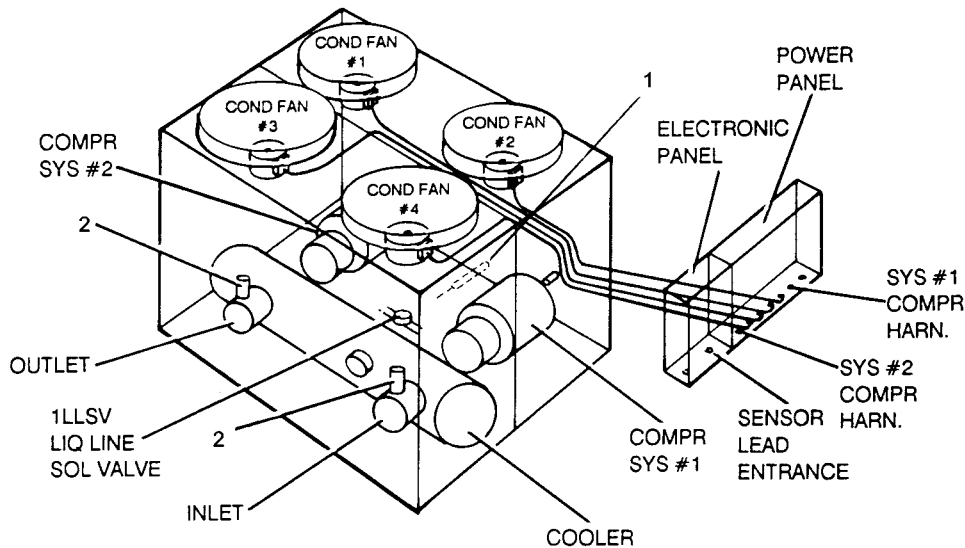
#26053

POWER PANEL

POWER PANEL CONTROL COMPONENTS

ITEM NO.	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	PART NUMBER ALL MODELS
^s 1	See page 5	Contactors (w/Suppressor), Compressor	ALL	See page 5
^s 2	2	CONTACTORS Contactors (w/Suppressor), Fan	-17 -28 -46 -58	024-25584-000 024-25584-000 024-25526-000 024-25526-000
^s 3	2	Overload, Fan 4 - 6.3 FLA 6.3 - 10 FLA 10 - 16 FLA		024-25520-000 024-25519-000 024-25518-000
^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 (1 CT, 2 CT)	ALL	025-27408-000

^s Recommended Stock Spare Parts

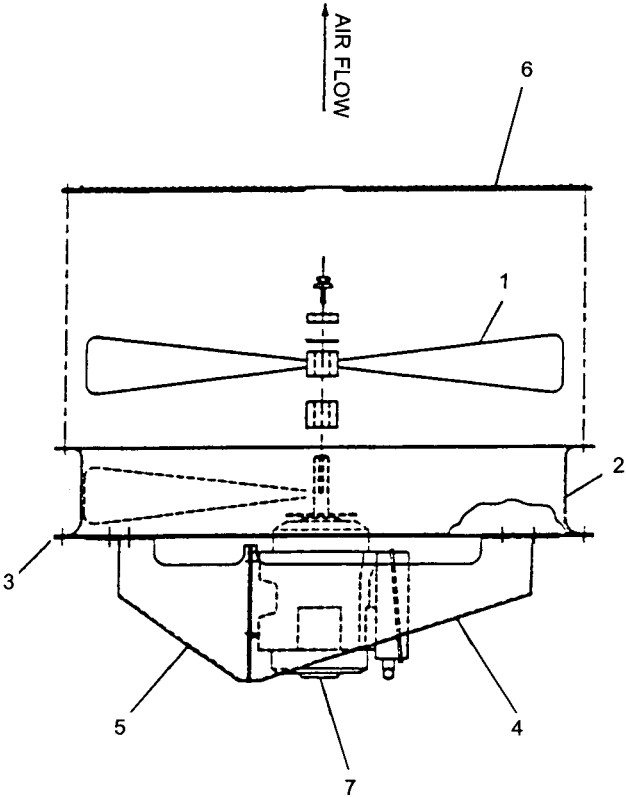
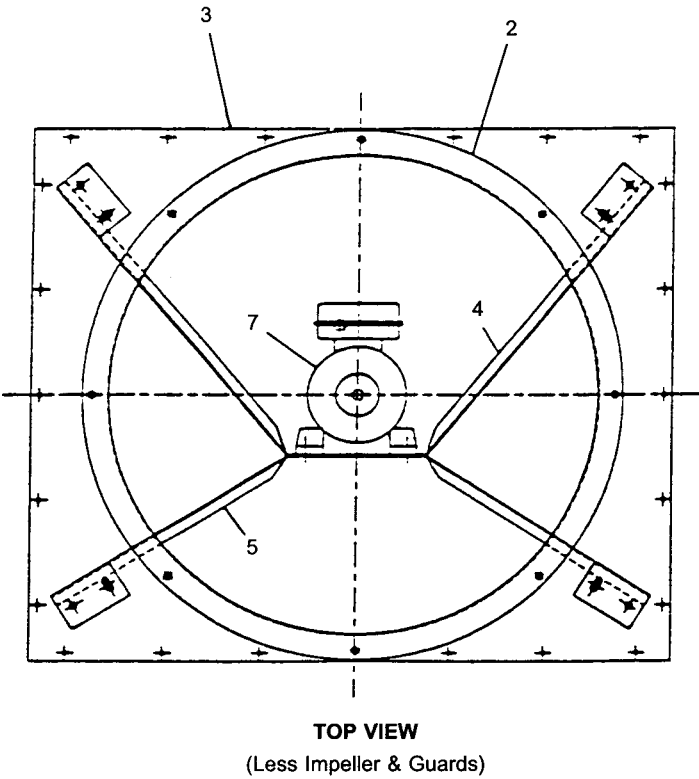


(Typical)
"J" COMPRESSOR SYSTEM # 1
(Std. Step Unloading & Optional Hot Gas Bypass)

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
	5	Suppressor, Compressor Unloading Solenoids and Liquid Line Solenoids (Quantity for YCAJ65HE8 Only)		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

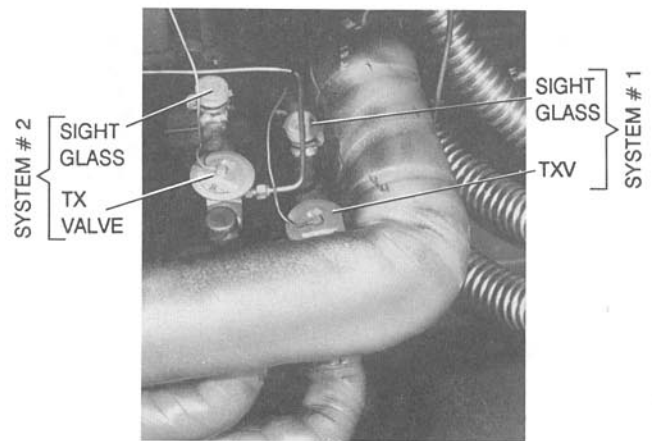
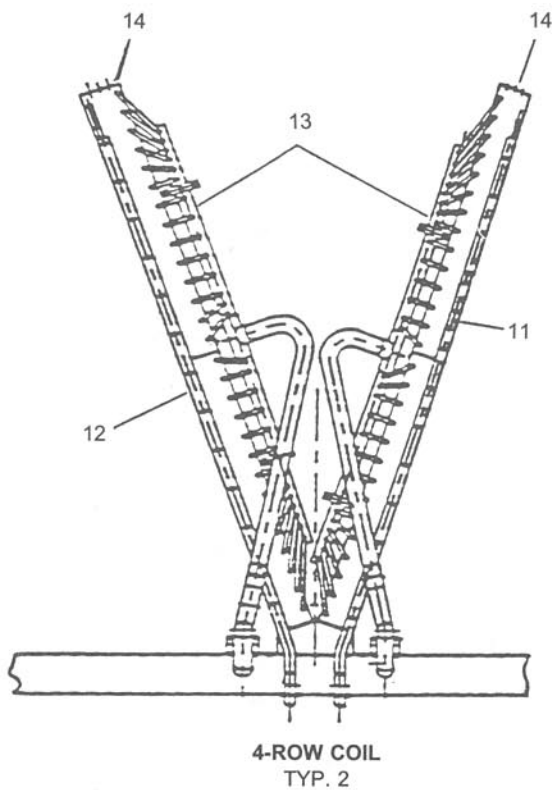
^SRecommended Stock Spare Parts



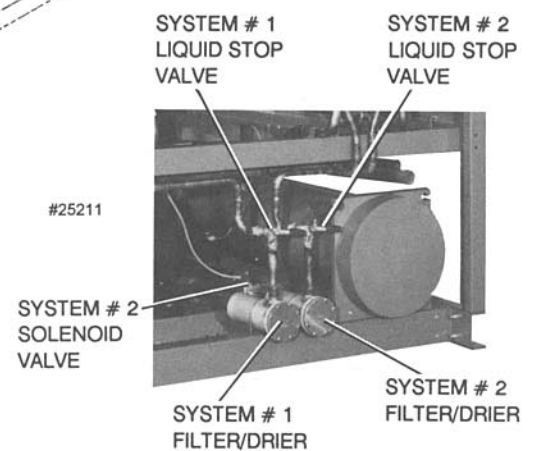
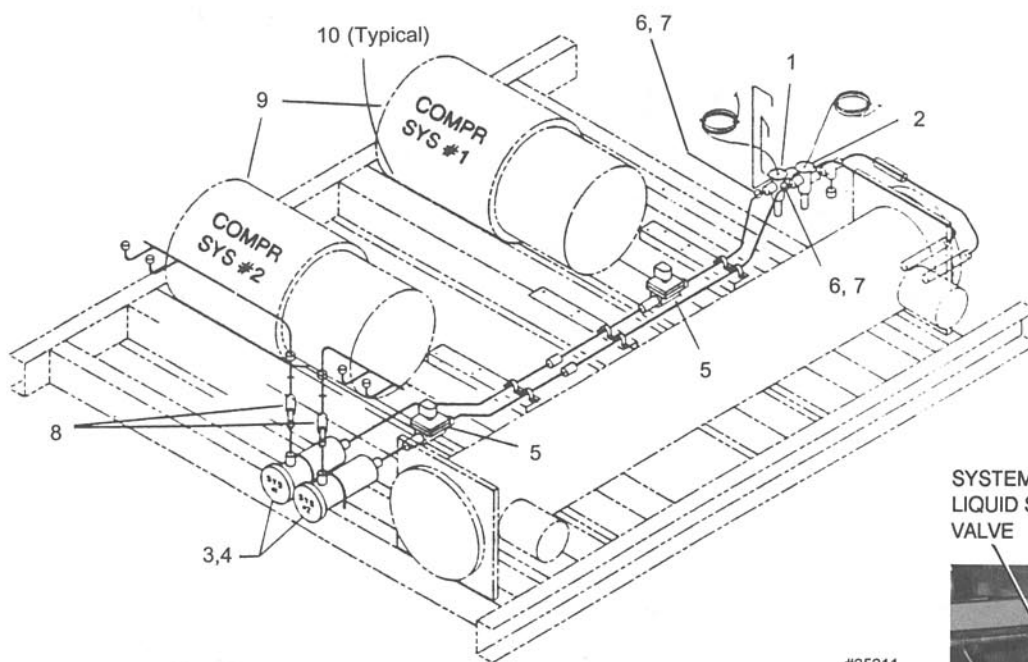
FAN COMPONENTS

ITEM NO.	DESCRIPTION		PART NUMBER
^s 1	Blade		026-33664-000
2	Orifice		326-32804-000
3	Orifice Plate		375-15533-000
4	Support, Motor		075-01899-000
5	Support, Motor		075-01898-000
6	Guard		026-32807-000
^s 7	Motor	VOLTAGE CODE	
		-17	024-24604-002
		-28	025-24604-002
		-46	024-24604-001
		-58	024-24758-000

^s Recommended Stock Spare Parts



#25212



#25211

FIG. 1 - UNIT REFRIGERANT COMPONENTS

UNIT COMPONENTS (See Figure 1)

ITEM NO.	QUAN. PER UNIT	DESCRIPTION	UNIT MODEL				
			YCAZ88EE8	YCAJ44HE8	YCAJ54HE8	YCAJ55HE8	YCAJ65HE8
^s ₁	1	Valve, Thermal Expansion System 1	025-23211	025-21955	025-21955	025-21955	025-25944
^s ₂	1	System 2	025-23211	025-21955	025-21955	025-21955	025-25955
3	2	Dehydrator, Body (Replaceable Core)	026-21055	026-21055	026-21055	026-21055	026-21055
^s ₄	4	Dehydrator Core (Use with Item 3)	026-18328	026-18328	026-18328	026-18328	026-18328
5	2	Valve, Liquid Solenoid	025-28376	025-28376	025-28376	025-28376	025-28376
6	2	Moisture Indicator, Body	026-32398	026-32398	026-32398	026-32398	026-32398
7	2	Moisture Indicator, Cap Assembly	026-32800	026-32800	026-32800	026-32800	026-32800
8	2	Valve, Liquid Stop	022-08739	022-08739	022-08739	022-08739	022-08739
9	2	Compressor	See Page 4				
10	8	Pad, Isolator (Compressor)	066-92335	066-92335	066-92335	066-92335	066-92335

ALUMINUM FIN COILS – STANDARD

11	2	Header, Liquid (RH)	375-15534	375-15534	366-15534	366-15534	366-15534
12	2	Header, Liquid (LH)	375-15536	375-15536	375-15536	375-15536	375-15536
13	4	Header, Discharge	375-15539	375-15539	375-15539	375-15539	375-15539
14	8	Coil, Condenser (4 Rows)	026-32846	026-32846	026-32846	026-32846	026-32846

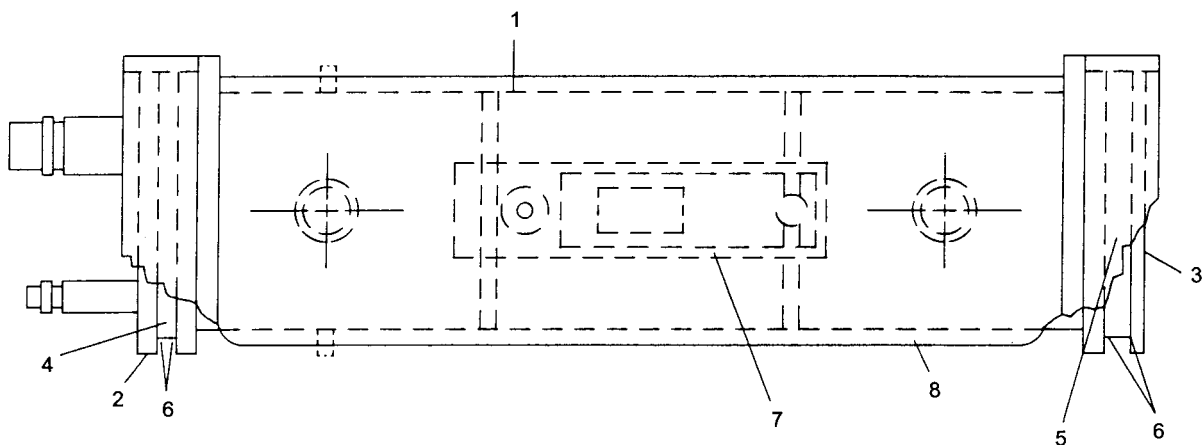
PHENOLIC-COATED COILS – OPTION

11	2	Header, Liquid (RH)	375-15534	375-15534	375-15534	375-15534	375-15534
12	2	Header, Liquid (LH)	375-15536	375-15536	375-15536	375-15536	375-15536
13	4	Header, Discharge	375-15539	375-15539	375-15539	375-15539	375-15539
14	8	Coil, Condenser (4 Rows)	326-33669	326-33669	326-33669	326-33669	326-33669

COPPER FIN COILS – OPTION

11	2	Header, Liquid (RH)	366-15534	366-15534	366-15534	366-15534	366-15534
12	2	Header, Liquid (LH)	375-15536	375-15536	375-15536	375-15536	375-15536
13	4	Header, Discharge	375-15539	375-15539	375-15539	375-15539	375-15539
14	8	Coil, Condenser (4 Rows)	026-33668	026-33668	026-33668	026-33668	026-33668

^s Recommended Stock Spare Parts



COOLER COMPONENTS

ITEM NO.	QUAN. PER UNIT	DESCRIPTION	UNIT MODEL				
			YCAZ88EE8	YCAJ44HE8	YCAJ54HE8	YCAJ55HE8	YCAJ65HE8
1	1	Cooler Less Insulation & Heater (Includes Items 2 thru 6)	375-17509	375-17511	375-17511	375-17511	375-17511
2	1	Head, Connection End	375-17068	375-18009	375-18009	375-18009	375-18009
3	1	Head, Back End	375-17065	375-18008	375-18008	375-18008	375-18008
4	1	Pass Baffle, Conn. End	075-17072	375-17085	375-17085	375-17085	375-17085
5	1	Pass Baffle, Back End	375-18175	375-17084	075-17084	075-17084	075-17084
^S 6+	4	Gasket, Pass Baffle & Head	075-17071	075-17082	075-17082	075-17082	075-17082
^S 7	1	Heater	025-22692	025-22690	025-22690	025-22690	025-22690
	1		-	025-22691	025-22691	025-22691	025-22691
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, **013-02827**

^S Primer, **013-01753**

^S Recommended Stock Spare Parts



#26288



#26289

FIG. 2 – POWER DISCONNECT SWITCH (OPTION)

COMPONENTS FOR UNIT OPTIONS

ITEM NO.	QUAN. / UNIT	DESCRIPTION	VOLT. CODE	ALL MODELS
A	2	REMOTE COOLER Valve, Thermal Expansion (See Note 1.)	ALL	
B	1	POWER DISCONNECT SWITCH (PDS) Switch, Disconnect (See Fig. 2.)	-17 -28 -46 -58	
C	1	LOW AMBIENT KIT Fan Contactor with Suppressor	-17 -28 -46 -58	
D	1	CHICAGO CODE Valve, Relief	ALL	
E	1	CONTROL TRANSFORMER (1T) Transformer	-17 -28 -46 -58	025-29627-001 025-29627-002 025-29627-002 025-29627-004
F	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
G	1	PUMP CONTROL KIT / RELAY BOARD KIT Relay Control Board	ALL	031-01093-000
H	2*	DISCHARGE PRESSURE READOUT KIT Transducer, Discharge Pressure	ALL	025-29139-001
I	2*	Adaptor, Transducer (Use with Item H)	ALL	023-16272-000
J	2	LOADMINDER (HOT GAS BYPASS) Standard Unit Valve, Regulator, Hot Gas	ALL	025-27647-000
K	2	Suppressor	ALL	031-01117-000
L	2	Unit with Remote Cooler Valve, Regulator, Hot Gas	ALL	025-29944-000
M	2	Suppressor	ALL	031-01117-000
N	1	FLOW CONTROL SWITCH Switch, Flow	ALL	024-26116-000
O	1	REMOTE CONTROL CENTER Control, Micro Board	ALL	031-01196-000
P	1	WALL-MOUNTED TRANSFORMER Transformer, Primary Voltage 115V (See Note 2.)	—	025-29917-001
Q	1	MULTIPLE UNIT SEQUENCING KIT Sensor, Temperature	ALL	025-28935-000
R	1	Resistor, 180 Ohm Fixed	ALL	025-29900-000
S	1	BAS INTERFACE Control Board, Remote Reset	ALL	031-00814-000

UNIT MODEL

YCAZ88EE8	YCAJ44HE8	YCAJ54HE8	YCAJ55HE8	YCAJ65HE8
025-23211	025-21955	025-21955	025-21955	025-21955
024-25563	024-25563	024-25562	024-25562	024-25562
024-25563	024-25563	024-25563	024-25562	024-25562
024-25564	024-25564	024-25564	024-25564	024-25564
024-25564	024-25564	024-25564	024-25564	024-25564
024-25545	024-25545	024-25545	024-25547	024-25547
024-25545	024-25545	024-25545	024-25547	024-25547
024-25545	024-25545	024-25545	024-25545	024-25545
024-25545	024-25545	024-25545	024-25545	024-25545
022-08881	022-08863	022-08863	022-08863	022-08863

* One Required Per Compressor

KEY: – = Not Applicable

- NOTES:** 1. All other parts for this option are the same as standard, including cooler, controls, and unit components.
2. Used with Remote Control Center (if specified).

NOTE:

Parts listed on pages 14 and 15 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 150.60-NM3 for complete Option Kit Part Numbers.



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Supersedes: 150.60-RP2 in ERR only

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CODES: ERR, RNP, SN4