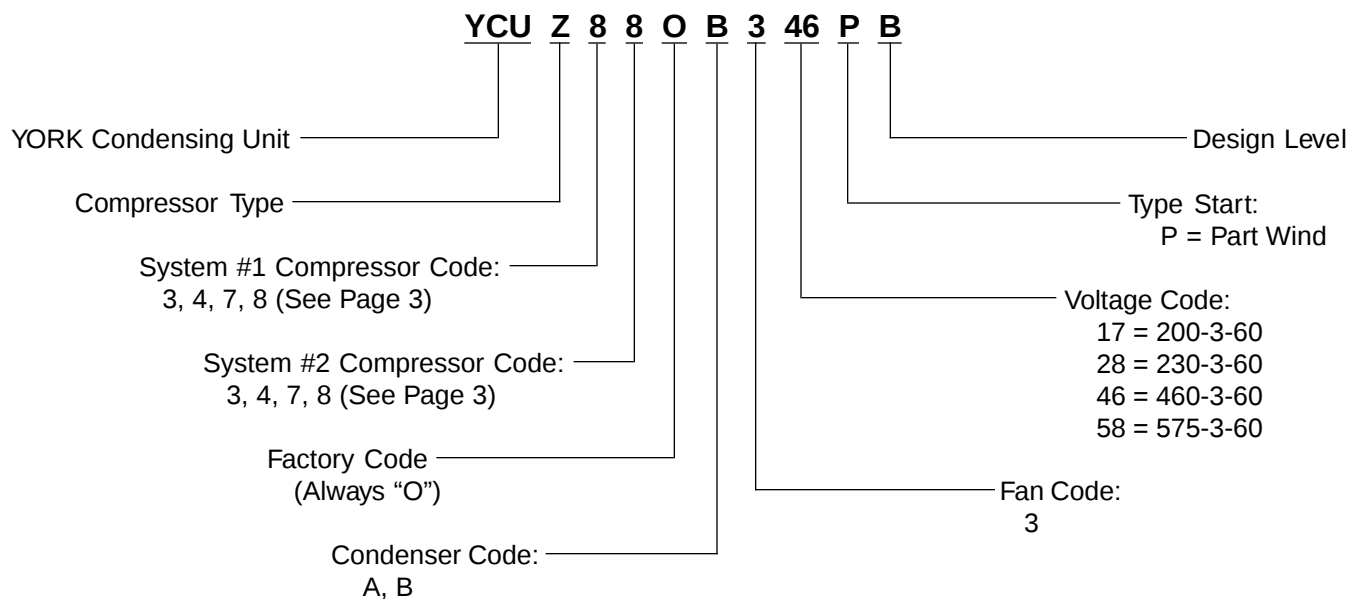


60 HERTZ
YCUZ330A3, YCUZ440A3,
YCUZ740B3, YCUZ770B3, YCUZ880B3
STYLE B

Archived Version

UNIT NOMENCLATURE

The model number denotes the following characteristics of the unit:



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) has (have) been trained in the proper maintenance of the equipment and is (are) familiar with its potential hazards.

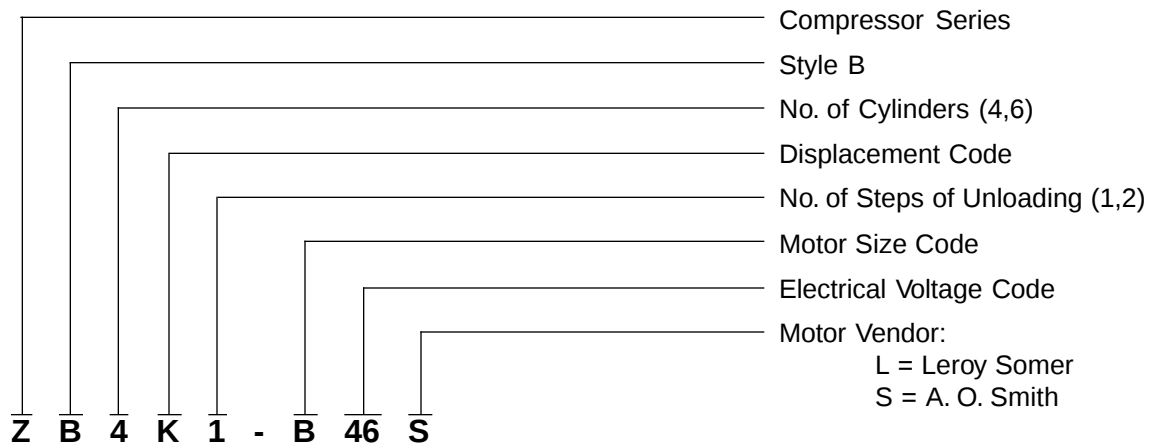
Shut off power supply to equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take special care to discharge every capacitor likely to hold dangerous potential.

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.

COMPRESSOR NOMENCLATURE



COMPRESSOR MODEL NUMBERS

60 HZ	UNIT MODEL	YCUZ33OA3	YCUZ44OA3	YCUZ74OB3	YCUZ77OB3	YCUZ88OB3
COMPRESSOR MODEL	SYSTEM NO. 1	ZB4K1-B	ZB4M1-C	ZB6S2-D	ZB6S2-D	ZB6W2-E
	SYSTEM NO. 2	ZB4K1-B	ZB4M1-C	ZB4M1-C	ZB6S2-D	ZB6W2-E

For replacement compressors and/or compressor parts, refer to Form 180.45-RP2.

Remanufactured compressors are available from the Wheeling, Illinois manufacturing facility.
Contact the local YORK International Office.

^sCOMPRESSOR MOTOR CONTACTORS

VOLT CODE/ TYPE START	SYSTEM	UNIT MODELS				
		YCUZ33OA3	YCUZ44OA3	YCUZ74OB3	YCUZ77OB3	YCUZ88OB3
-17P	1	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25549-000
	2	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25549-000
-28P	1	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
	2	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
-46P	1	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
	2	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
-58P	1	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
	2	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000

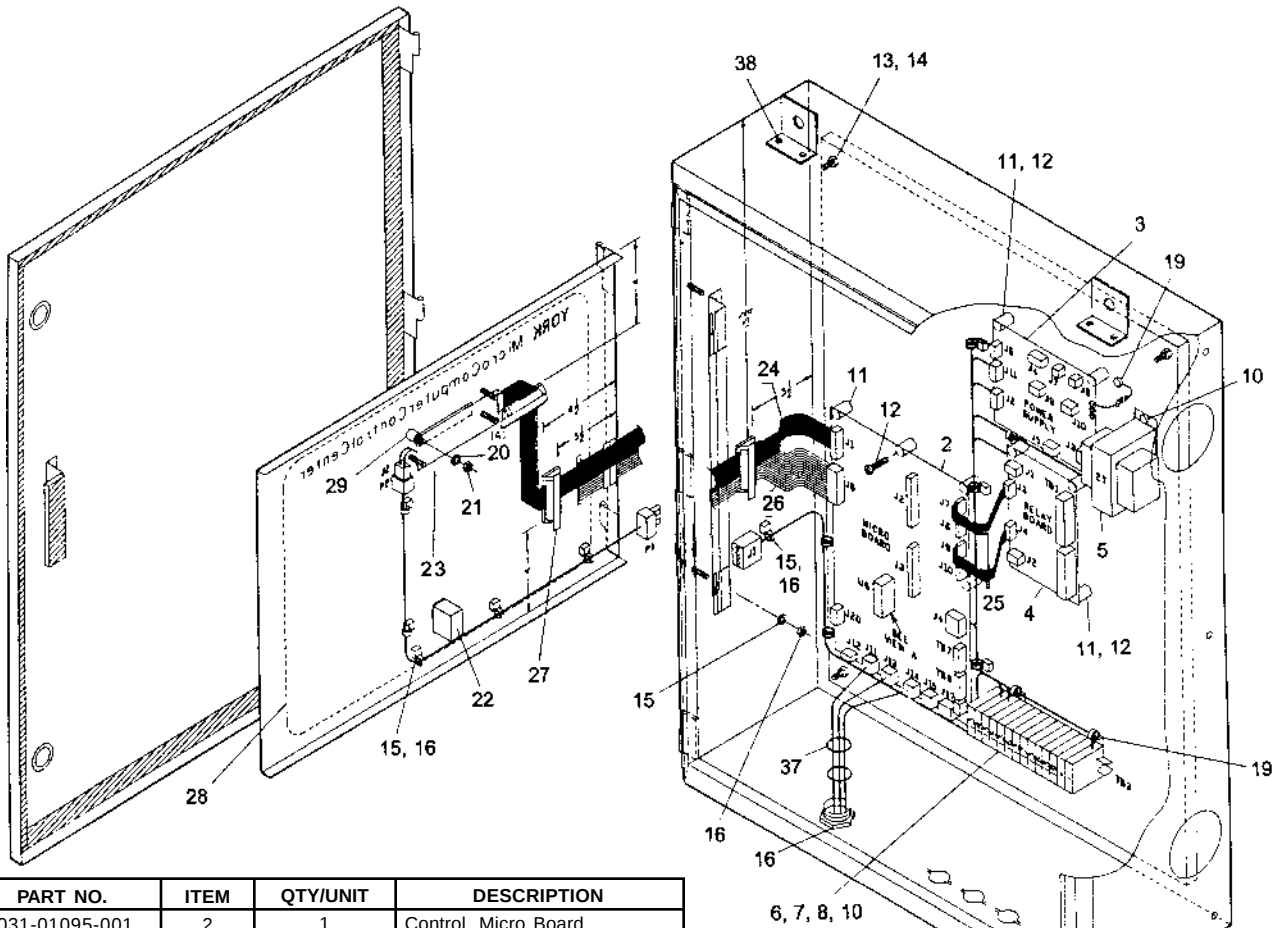
NOTES: ^s = Recommended Stock Spare Parts

P = Part Winding

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

Contactors include suppressors.

CONTROL PANEL

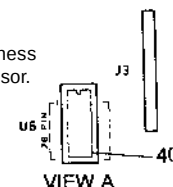


Note (Item 4 - Control, Relay Board):

Unit	Quantity
YCUZ330A3	1
YCUZ440A3	1
YCUZ740B3	2
YCUZ770B3	2
YCUZ880B3	2

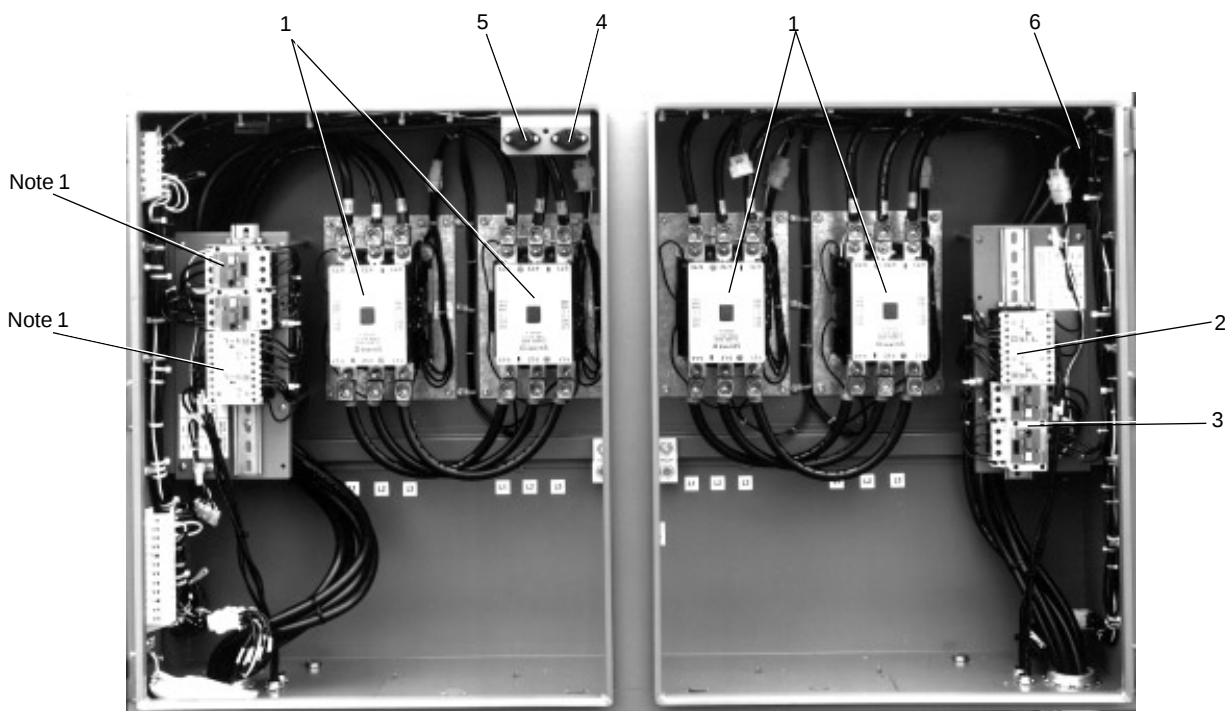
- Recommended Stock Spare Part
 Not Shown, Shipped Loose for Field use to place across the coil of any relay or contactor connected to the Control Panel or its 115VAC Power Supply, including the application of:
- Alarm Circuit Relays
 - Pump Starter (Contactor or Pilot Relay)
 - Flow Switch Inputs
 - BAS Inputs

Not Shown.
 Sensor Harness
 Without Sensor.



LD00458

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	See Note	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
*031-01096-013	40	1	EPROM
571-01226-212	41	1	Harness, Hinged Panel
*031-00808-000	42	3	Suppressor for Options



26053A

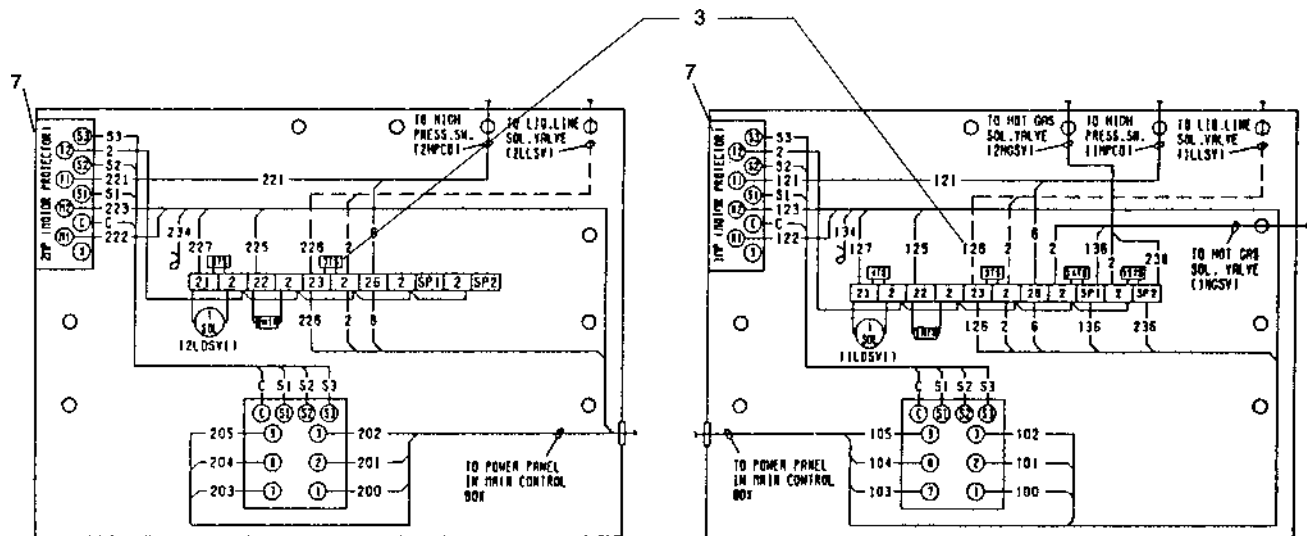
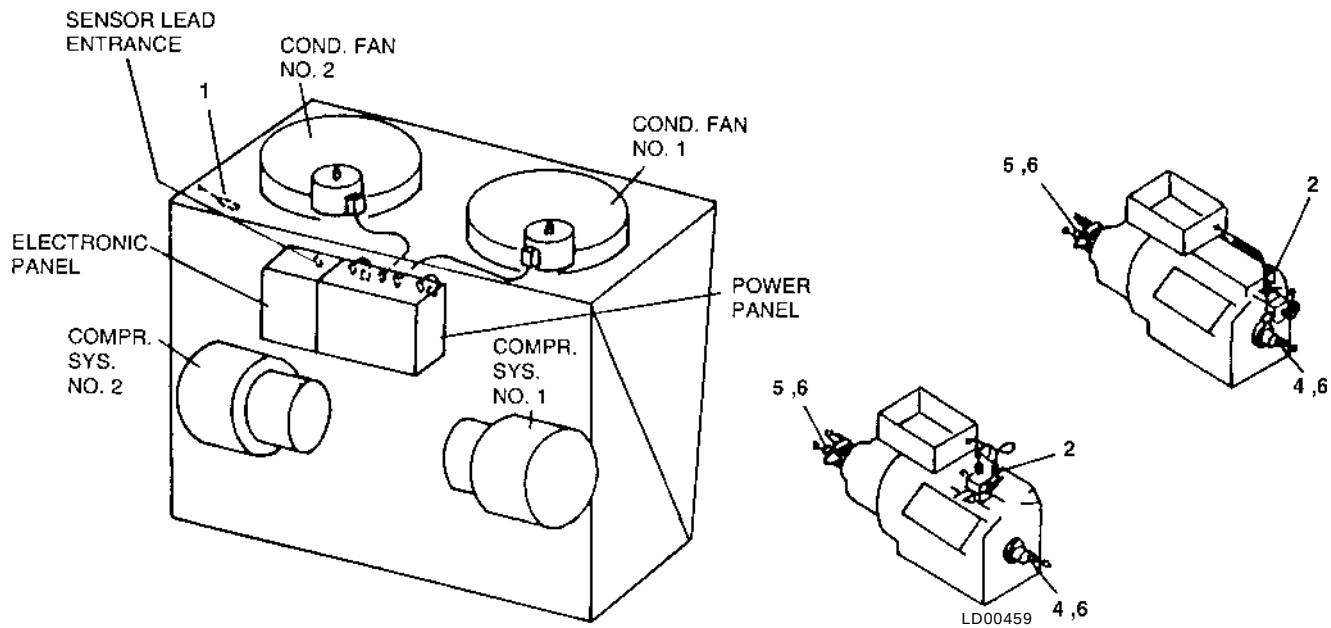
Note 1. These controls not required and not installed on Unit Model YCUZ330A3 thru YCUZ880B3 Power Panels

POWER PANEL

POWER PANEL CONTROL COMPONENTS

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	ALL UNIT MODELS PART NUMBER
^s 1	4	CONTACTORS Contactor (w/Suppressor), Compressor	ALL	See page 3
^s 2	2	Contactor (w/Suppressor), Fan	-17 -28 -46 -58	024-25521-000 024-25522-000 024-25522-000 024-25521-000
^s 3	2	OVERLOADS Overload, Fan 10 - 16 FLA 6.3 - 10 FLA 6.3 - 10 FLA 4 - 6.3 FLA	-17 -28 -46 -58	024-25518-000 024-25519-000 024-25519-000 024-25520-000
^s 4	1	FUSES Electronic Power Supply Circuit (5 amp), 2FU	ALL	025-27922-000
^s 5	1	Control Circuit (20 amp), 1FU	ALL	025-28967-000
6	2	TRANSFORMERS Transformer, Current	ALL	025-27408-000

NOTES: ^s = Recommended Stock Spare Parts
Contactors include suppressors.



COMPRESSOR TERMINAL BOX WIRING DIAGRAM (TYPICAL)

LD00460

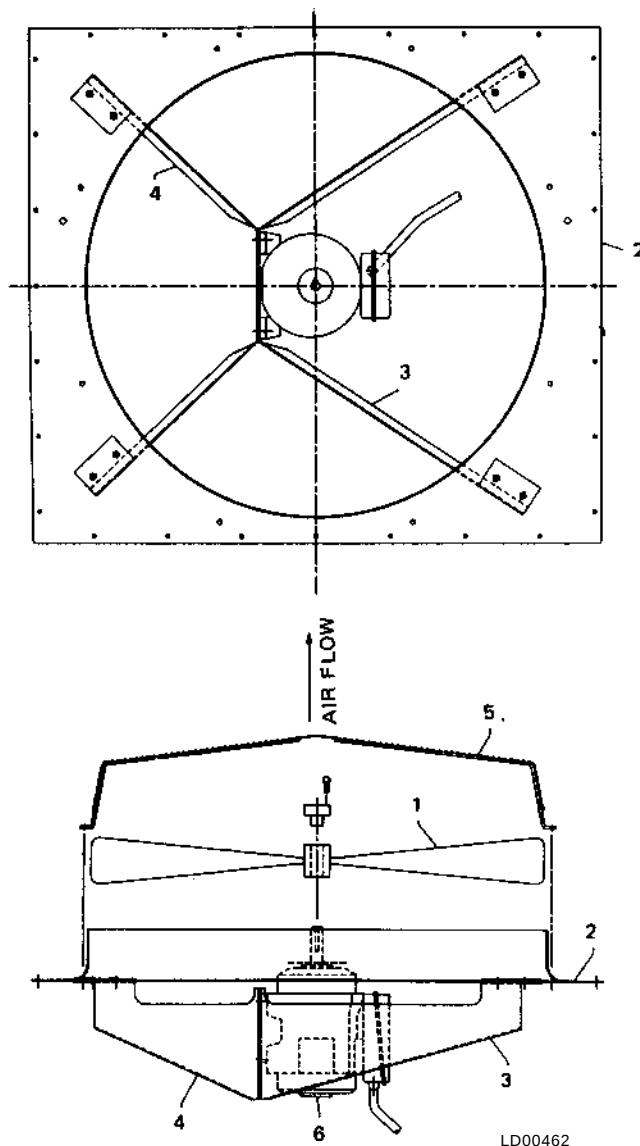
SYSTEM CONTROL COMPONENTS

ITEM NO.	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	PART NUMBER ALL MODELS
^s 1	1	Sensor, Outside Air (OAT)	ALL	025-28663-001
^s 2	2	High Pressure Cutout	ALL	025-28985-002
^s 3	See Table Below	Suppressor, Compressor Unloading	ALL	031-01117-000
		Solenoids and Liquid Line Solenoids		
^s 4	2	Transducer (Oil Pressure)	ALL	025-29139-002
^s 5	2	Transducer (Suction Pressure)	ALL	025-29583-000
6	4	Brass Adaptor (Use with Items 4 and 5)	ALL	023-16272-000
7	2	Module, Motor Protector	ALL	025-27522-000

SUPPRESSOR QUANTITY

UNIT MODEL	YCUZ330A3	YCUZ440A3	YCUZ740B3	YCUZ770B3	YCUZ880B3
QUANTITY	4	4	5	6	6

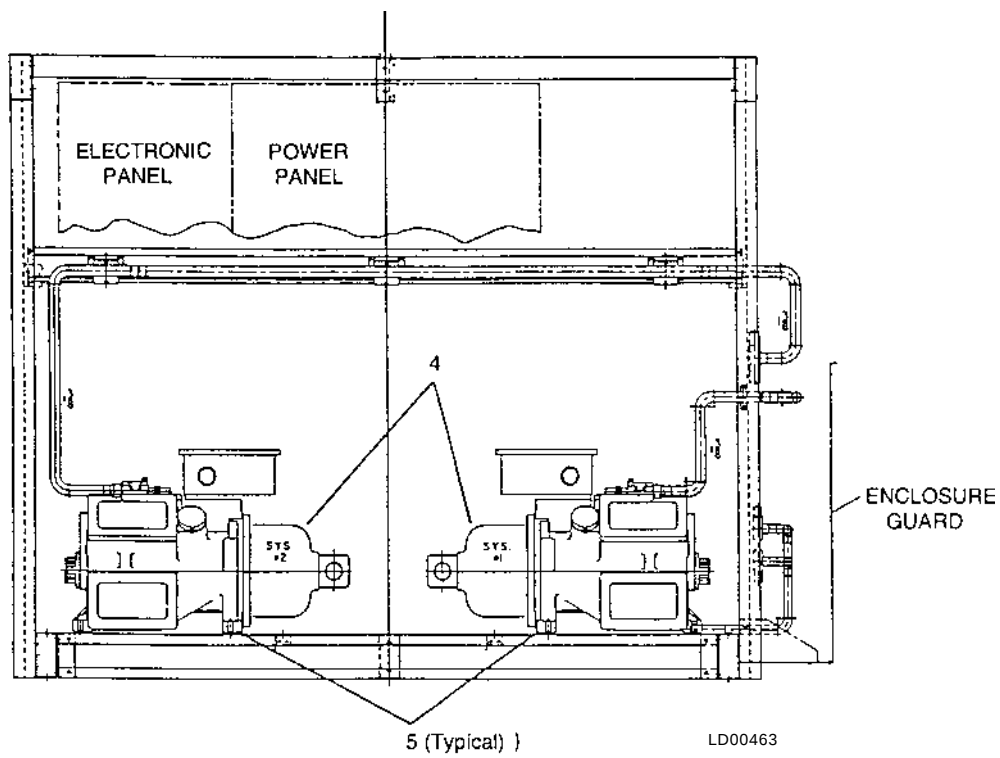
^sRecommended Stock Spare Parts



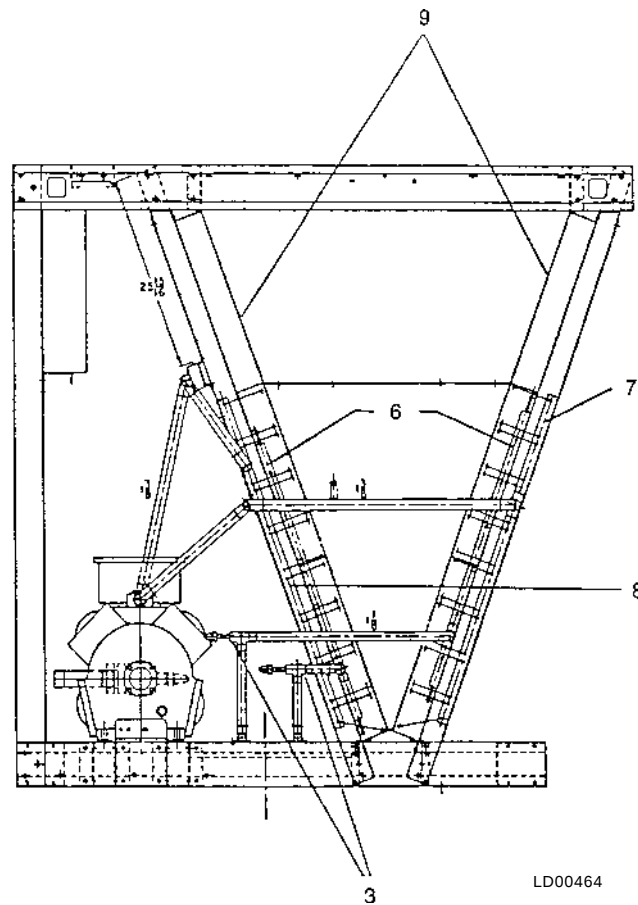
FAN COMPONENTS

ITEM NO.	DESCRIPTION		ALL UNIT MODELS
			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	024-25247-002
		-46	024-25247-001
		-58	024-25252-000

^sRecommended Stock Spare Part



FRONT VIEW



RIGHT SIDE VIEW

FIG. 1 – UNIT REFRIGERANT COMPONENTS

REFRIGERANT SYSTEM COMPONENTS (See Figure 1)

ITEM NO	QUANTITY PER UNIT	DESCRIPTION	SYSTEM NUMBER	UNIT MODELS				
				YCUZ330A3	YCUZ440A3	YCUZ740B3	YCUZ770B3	YCUZ880B3
1*	2	Dehydrator, Body (Replaceable Core)	1, 2	026-21055-000	026-21055-000	026-21055-000	026-21055-000	026-21055-000
^s 2*	4	Dehydrator Core (Use with Item 1)	1, 2	026-18328-000	026-18328-000	026-18328-000	026-18328-000	026-18328-000
3	2	Valve, Liquid Stop	1, 2	025-10510-000	025-10510-000	025-10510-000	025-10510-000	025-10510-000
4	2	Compressor	1, 2	See Page 3				
5	16	Pad, Isolator	1, 2	075-00820-000	075-00820-000	075-00820-000	075-00820-000	075-00820-000

ALUMINUM FIN COILS – STANDARD

6	2	Header, Liquid	1, 2	366-94438-000	366-94438-000	366-93928-000	366-93928-000	366-93928-000
7	1	Header, Discharge	1	375-05376-000	375-05376-000	375-05372-000	375-05372-000	375-05372-000
8	1	Header, Discharge	2	375-05378-000	375-05378-000	375-05372-000	375-05372-000	375-05372-000
9	Note 1	Coil, Condenser (4 Row)	1, 2	026-31589-000	026-31589-000	026-31589-000	026-31589-000	026-31589-000

PHENOLIC-COATED COILS – OPTION

6	2	Header, Liquid	1, 2	375-02537-000	375-02537-000	375-02541-000	375-02541-000	375-02541-000
7	1	Header, Discharge	1	375-05691-000	375-05691-000	375-05692-000	375-05692-000	375-05692-000
8	1	Header, Discharge	2	375-05690-000	375-05690-000	375-05692-000	375-05692-000	375-05692-000
9	Note 1	Coil, Condenser (4 Row)	1, 2	326-31641-000	326-31641-000	326-31641-000	326-31641-000	326-31641-000

COPPER FIN COILS – OPTION

6	2	Header, Liquid	1, 2	366-94438-000	366-94438-000	366-93928-000	366-93928-000	366-93928-000
7	1	Header, Discharge	1	375-05376-000	375-05376-000	375-05372-000	375-05372-000	375-05372-000
8	1	Header, Discharge	2	375-05378-000	375-05378-000	375-05372-000	375-05372-000	375-05372-000
9	Note 1	Coil, Condenser (4 Row)	1, 2	026-31647-000	026-31647-000	026-31647-000	026-31647-000	026-31647-000

BLACK FIN COILS – OPTION

6	2	Header, Liquid	1, 2	366-94438-000	366-94438-000	366-93928-000	366-93928-000	366-93928-000
7	1	Header, Discharge	1	375-05376-000	375-05376-000	375-05372-000	375-05372-000	375-05372-000
8	1	Header, Discharge	2	375-05378-000	375-05378-000	375-05372-000	375-05372-000	375-05372-000
9	Note 1	Coil, Condenser (4 Row)	1, 2	326-33879-000	326-33879-000	326-33879-000	326-33879-000	326-33879-000
Note 1		Number of Condenser Coils per Unit		4	4	6	6	6

* Not Shown. Field-Installed in Liquid Piping

^s Recommended Stock Spare Part

REPLACEMENT COMPONENTS FOR UNIT OPTIONS

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	ALL MODELS
A	1	POWER DISCONNECT SWITCH (PDS) Switch, Disconnect	-17 -28 -46 -58	
B	2	CHICAGO CODE Valve, Relief	ALL	022-08881-000
C	2	LOW AMBIENT KIT (Note 1) Fan Contactor with Suppressor	ALL	024-25547-000
D	1	CONTROL TRANSFORMER (1T) Transformer	-17 -28 -46 -58	025-29627-001 025-29627-002 025-29627-002 025-29627-004
E	2	Fuse, Transformer	-17 -28 -46 -58	025-27509-015 025-28967-000 025-27971-000 025-30962-000
F	1	RELAY BOARD KIT Relay Control Board (YCUZ33OA3 and YCUZ44OA3 Units Only)	ALL	031-01093-000
G	2*	DISCHARGE PRESSURE READOUT KIT Transducer, Discharge Pressure	ALL	025-29139-001
H	2*	Adaptor, Transducer (Use with Item G)	ALL	023-16272-000
I	2	LOADMINDER (HOT GAS BYPASS) (Note 2) Valve, Regulator, Hot Gas	ALL	025-29944-000
J	2	Suppressor	ALL	031-01117-000
K	2	SENSOR, SUCTION TEMPERATURE Sensor, Temperature	ALL	025-28935-000
L	2	SOLENOID VALVE, LIQUID LINE Valve, Solenoid	ALL	025-28376-000

UNIT MODELS	YCUZ33OA3	YCUZ44OA3	YCUZ74OB3	YCUZ77OB3	YCUZ88OB3
	024-25564-000	024-25564-000	024-25564-000	024-25563-000	024-25563-000
	024-25564-000	024-25564-000	024-25564-000	024-25564-000	024-25563-000
	024-25565-000	024-25565-000	024-25565-000	024-25565-000	024-25564-000
	024-25565-000	024-25565-000	024-25565-000	024-25565-000	024-25565-000

- One Required Per Compressor

NOTES:

1. This option also requires Relay Board Kit, Item F (YCUZ33OA3 and YCUZ44OA3 Units Only) and Discharge Pressure Readout Kit, Items G and H.
2. This option also requires Relay Board Kit, Item F (YCUZ33OA3 and YCUZ44OA3 Units Only).

NOTE:

Parts listed on Pages 10 and 11 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 195.26-NM3 for complete Option Kit Part Numbers.

