



**WATER-COOLED SCREW  
LIQUID CHILLERS**

**RENEWAL PARTS**

Supersedes: 201.30-RP1 (412)

Form 201.30-RP1 (1113)

**MODEL YVWA  
STYLE A  
SINGLE AND DUAL COMPRESSOR  
50Hz and 60Hz  
200 - 300 Tons  
703 - 1055 kW**



**R-134A**

Issue Date:  
November 27, 2013



# IMPORTANT!

## READ BEFORE PROCEEDING!

### GENERAL SAFETY GUIDELINES

This equipment is a relatively complicated apparatus. During installation, operation maintenance or service, individuals may be exposed to certain components or conditions including, but not limited to: refrigerants, materials under pressure, rotating components, and both high and low voltage. Each of these items has the potential, if misused or handled improperly, to cause bodily injury or death. It is the obligation and responsibility of operating/service personnel to identify and recognize these inherent hazards, protect themselves, and proceed safely in completing their tasks. Failure to comply with any of these requirements could result in serious damage to the equipment and the property in

which it is situated, as well as severe personal injury or death to themselves and people at the site.

This document is intended for use by owner-authorized operating/service personnel. It is expected that these individuals possess independent training that will enable them to perform their assigned tasks properly and safely. It is essential that, prior to performing any task on this equipment, this individual shall have read and understood this document and any referenced materials. This individual shall also be familiar with and comply with all applicable governmental standards and regulations pertaining to the task in question.

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### SAFETY SYMBOLS

The following symbols are used in this document to alert the reader to specific situations:



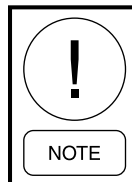
*Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.*



*Identifies a hazard which could lead to damage to the machine, damage to other equipment and/or environmental pollution if proper care is not taken or instructions are not followed.*



*Indicates a potentially hazardous situation which will result in possible injuries or damage to equipment if proper care is not taken.*



*Highlights additional information useful to the technician in completing the work being performed properly.*



*External wiring, unless specified as an optional connection in the manufacturer's product line, is not to be connected inside the control cabinet. Devices such as relays, switches, transducers and controls and any external wiring must not be installed inside the micro panel. All wiring must be in accordance with Johnson Controls' published specifications and must be performed only by a qualified electrician. Johnson Controls will NOT be responsible for damage/problems resulting from improper connections to the controls or application of improper control signals. Failure to follow this warning will void the manufacturer's warranty and cause serious damage to property or personal injury.*

## CHANGEABILITY OF THIS DOCUMENT

In complying with Johnson Controls' policy for continuous product improvement, the information contained in this document is subject to change without notice. Johnson Controls makes no commitment to update or provide current information automatically to the manual owner. Updated manuals, if applicable, can be obtained by contacting the nearest Johnson Controls Service office or accessing the Johnson Controls QuickLIT website at <http://cgproducts.johnsoncontrols.com>.

Operating/service personnel maintain responsibility for the applicability of these documents to the equipment.

If there is any question regarding the applicability of these documents, the technician should verify whether the equipment has been modified and if current literature is available from the owner of the equipment prior to performing any work on the chiller.

### CHANGE BARS

Revisions made to this document are indicated with a line along the left or right hand column in the area the revision was made. These revisions are to technical information and any other changes in spelling, grammar or formatting are not included.

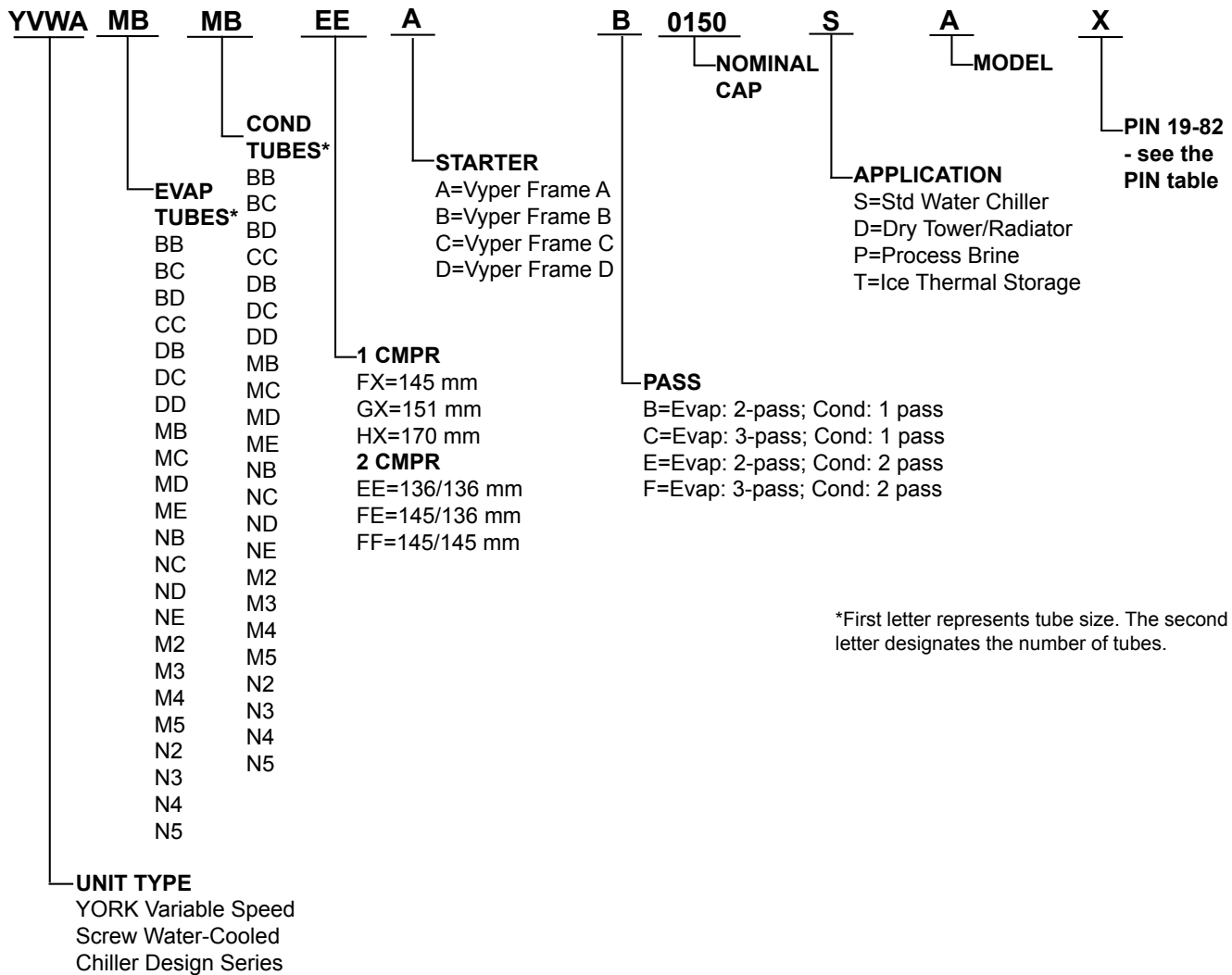
## ASSOCIATED LITERATURE

MANUAL DESCRIPTION	FORM NUMBER
Unit Installation, Operation and Maintenance (Single Compressor)	201.30-ICOM1
Unit Installation, Operation and Maintenance (Dual Compressor)	201.30-ICOM2
Wiring Diagram - Field Connections and Control for YVWA (Single Compressor)	201.30-PW1
Wiring Diagram - Field Connections and Control for YVWA (Dual Compressor)	201.30-PW2

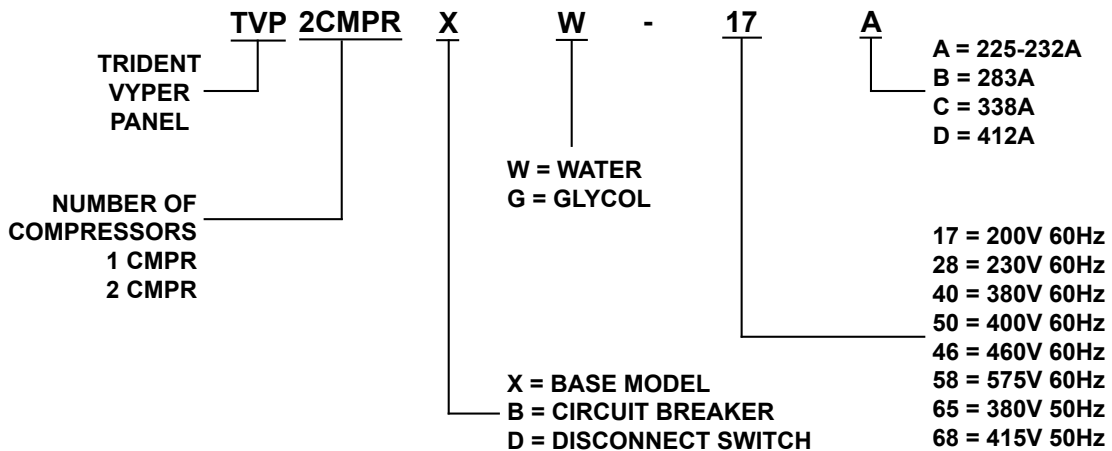
## REGIONAL ACRONYMS

DESCRIPTION	Acronym
American Society of Mechanical Engineers	ASME
Canadian Electrical	CE
Guo Baio or Chinese National Standard	GB
European Pressure Equipment Directive	PED

## UNIT NOMENCLATURE



## VARIABLE SPEED DRIVE NOMENCLATURE



## COMPLETE PIN NUMBER DESCRIPTION

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>MODEL</b>	Model (PIN 1)	Y	YORK
<b>COMPRYP</b>	Compressor Type (PIN 2)	V	Variable Speed Screw
<b>CHILLERTYP</b>	Chiller Type (PIN 3)	W	Water-Cooled Chiller
<b>DESIGNER</b>	Design Series (PIN 4)	A	Design Series
<b>EVAPORATOR SHELL SIZE</b> Tube Count x Tube Nominal Size (PIN 5, 6)	BB		8 ft (2.4 m) x 22 in (558 mm), 120 x 0.75 in (19 mm)
	BC		8 ft (2.4 m) x 22 in (558 mm), 140 x 0.75 in (19 mm)
	BD		8 ft (2.4 m) x 22 in (558 mm), 160 x 0.75 in (19 mm)
	CB		10 ft (3.0 m) x 22 in (558 mm), 120 x 0.75 in (19 mm)
	CC		10 ft (3.0 m) x 22 in (558 mm), 140 x 0.75 in (19 mm)
	CD		10 ft (3.0 m) x 22 in (558 mm), 160 x 0.75 in (19 mm)
	DB		12 ft (3.6 m) x 22 in (558 mm), 120 x 0.75 in (19 mm)
	DC		12 ft (3.6 m) x 22 in (558 mm), 140 x 0.75 in (19 mm)
	DD		12 ft (3.6 m) x 22 in (558 mm), 160 x 0.75 in (19 mm)
	MB		12 ft (3.6 m) x 24 in (610 mm), 160 x 0.75 in (19 mm)
	MC		12 ft (3.6 m) x 24 in (610 mm), 200 x 0.75 in (19 mm)
	MD		12 ft (3.6 m) x 24 in (610 mm), 230 x 0.75 in (19 mm)
	ME		12 ft (3.6 m) x 24 in (610 mm), 260 x 0.75 in (19 mm)
	NB		14 ft (4.2 m) x 24 in (610 mm), 160 x 0.75 in (19 mm)
	NC		14 ft (4.2 m) x 24 in (610 mm), 200 x 0.75 in (19 mm)
	ND		14 ft (4.2 m) x 24 in (610 mm), 230 x 0.75 in (19 mm)
	NE		14 ft (4.2 m) x 24 in (610 mm), 260 x 1 in (25 mm)
	M2		12 ft (3.6 m) x 24 in (610 mm), 80 x 1 in (25 mm)
	M3		12 ft (3.6 m) x 24 in (610 mm), 95 x 1 in (25 mm)
	M4		12 ft (3.6 m) x 24 in (610 mm), 110 x 1 in (25 mm)
	M5		12 ft (3.6 m) x 24 in (610 mm), 129 x 1 in (25 mm)
	N2		14 ft (4.2 m) x 24 in (610 mm), 80 x 1 in (25 mm)
	N3		14 ft (4.2 m) x 24 in (610 mm), 95 x 1 in (25 mm)
	N4		14 ft (4.2 m) x 24 in (610 mm), 110 x 1 in (25 mm)
	N5		14 ft (4.2 m) x 24 in (610 mm), 129 x 1 in (25 mm)
<b>CONDENSER SHELL SIZE</b> Tube Count x Tube Nominal Size (PIN 7, 8)	BB		8 ft (2.4 m) x 18 in (457 mm), 140 x 0.75 in (19 mm)
	BC		8 ft (2.4 m) x 18 in (457 mm), 160 x 0.75 in (19 mm)
	BD		8 ft (2.4 m) x 18 in (457 mm), 175 x 0.75 in (19 mm)
	CB		10 ft (3.0 m) x 18 in (457 mm), 140 x 0.75 in (19 mm)
	CC		10 ft (3.0 m) x 18 in (457 mm), 160 x 0.75 in (19 mm)
	CD		10 ft (3.0 m) x 18 in (457 mm), 175 x 0.75 in (19 mm)
	DB		12 ft (3.6 m) x 18 in (457 mm), 140 x 0.75 in (19 mm)
	DC		12 ft (3.6 m) x 18 in (457 mm), 160 x 0.75 in (19 mm)
	DD		12 ft (3.6 m) x 18 in (457 mm), 175 x 0.75 in (19 mm)
	MB		12 ft (3.6 m) x 20 in (508 mm), 162 x 0.75 in (19 mm)
	MC		12 ft (3.6 m) x 20 in (508 mm), 191 x 0.75 in (19 mm)
	MD		12 ft (3.6 m) x 20 in (508 mm), 211 x 0.75 in (19 mm)
	ME		12 ft (3.6 m) x 20 in (508 mm), 200 x 0.75 in (19 mm)
	NB		14 ft (4.2 m) x 20 in (508 mm), 162 x 0.75 in (19 mm)
	NC		14 ft (4.2 m) x 20 in (508 mm), 191 x 0.75 in (19 mm)
	ND		14 ft (4.2 m) x 20 in (508 mm), 211 x 0.75 in (19 mm)
	NE		14 ft (4.2 m) x 20 in (508 mm), 200 x 0.75 in (19 mm)
	M2		12 ft (3.6 m) x 20 in (508 mm), 72 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	M3		12 ft (3.6 m) x 20 in (508 mm), 90 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	M4		12 ft (3.6 m) x 20 in (508 mm), 107 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	M5		12 ft (3.6 m) x 20 in (508 mm), 123 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	N2		14 ft (4.2 m) x 20 in (508 mm), 72 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	N3		14 ft (4.2 m) x 20 in (508 mm), 90 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	N4		14 ft (4.2 m) x 20 in (508 mm), 107 x 1 in (25 mm), 18 x 0.75 in (19 mm)
	N5		14 ft (4.2 m) x 20 in (508 mm), 123 x 1 in (25 mm), 18 x 0.75 in (19 mm)

## COMPLETE PIN NUMBER DESCRIPTION (CONT'D)

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>CMPR</b>	Compressor Driveline (PIN 9, 10)	FX	1 CMPR (145mm)
		GX	1 CMPR (151mm)
		HX*	1 CMPR (170mm)
		EE	2 CMPR (136mm/136mm)
		FE	2 CMPR (145mm/136mm)
		FF	2 CMPR (145mm/145mm)
		QQ	Special Quote
<b>STARTER</b>	Starter (PIN 11)	A	2 CMPR Vyper Frame A
		B	2 CMPR Vyper Frame B
		C	2 CMPR Vyper Frame C
		D	2 CMPR Vyper Frame D
		J	1 CMPR Vyper Frame B
		L	1 CMPR Vyper Frame D
		Q	Special Quote
<b>PASS</b>	Pass Arrangement (PIN 12)	B	Evap: 2pass; Cond: 1pass
		C	Evap: 3pass; Cond: 1pass
		E	Evap: 2pass; Cond: 2pass
		F	Evap: 3pass; Cond: 2pass
		H	Evap: 2pass; Cond: 3pass
		I	Evap: 3pass; Cond: 3pass
		Q	Special Quote
<b>NOMCAP</b>	Nominal Capacity (PIN 13, 14, 15, 16)	ASIA	Asia Region for Marketing
		####	kW for Europe for Marketing
		####	TR for NA Region for Marketing
<b>APPL</b>	Application (PIN 17)	S	Cooling Only Unit
		T	ICe Thermal Storage Unit
		A	Heat Pump Unit
		C	Condenserless Unit
<b>MODLVL</b>	Modification Level A (PIN 18)	A	Modification Level A
<b>PIN19</b>	PIN19	X	No Selection
		Q	Special Quote
<b>VOLTS</b>	Voltage (PIN 20, 21)	17	200/3/60
		28	230/3/60
		40	380/3/60
		46	460/3/60
		65	380/3/50
		50	400/3/50
		68	415/3/50
		58	575/3/60
		Q	Special Quote

## COMPLETE PIN NUMBER DESCRIPTION (CONT'D)

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>POWER</b>	Power Field (PIN 22)	D	NF Discon Switch, Lockable
		B	Circuit Breaker, Lockable
		S	Supply terminal block
		Q	Special Quote
<b>FILTER</b>	Harmonic Filter (PIN 23)	X	No Selection
		Q	Special Quote
<b>SYSPARM</b>	System Parameter (PIN 24)	X	No Selection
		Q	Special Quote
<b>CONTENCL</b>	Control Panel and VSD Enclosure Type (PIN 25)	S	Ctrl/VSD:N1/IP33, AT:N1/IP33
		Q	Special Quote
<b>NEMA</b>	Unit NEMA Type (PIN 26)	S	Unit: NEMA1 or IP10
		Q	Special Quote
<b>VSDCOOL</b>	VSD Cooling Source (PIN 27)	X	No Selection
		S	Std VSD Cooling (via. Cond)
		H	Hi-temp VSD Cooling (via. Evap)
		Q	Special Quote
<b>PANEL</b>	Panel Options (PIN 28)	X	No Selection
		Q	Special Quote
<b>BAS</b>	BAS Interface (PIN 29)	X	No Selection
		B	BAS/EMS Temp, Cur Reset/Offset
		C	BAS/EMS Current Reset/Offset
		T	BAS/EMS Temp Reset/Offset
		A	BACnet Elink (factory mounted)
		M	Modbus Elink (factory mounted)
		L	LON Elink (factory mounted)
		N	N2 Elink (factory mounted)
		Q	Special Quote
<b>LANGDESP</b>	Language Display (PIN 30)	A	English
		F	French
		S	Spanish
		G	German
		P	Portuguese
		I	Italian
		H	Hungarian
		L	Polish
		E	Chinese, Simplified
<b>SAFETY</b>	Safety Code (PIN 31)	G	China Safety Code (GB)
		C	European Safety Code ( CE )
		L	N American Safety Code (cUL/cETL)
		Q	Special Quote
<b>REMOREPNL</b>	Remote Panel (PIN 32)	X	No Selection
		Q	Special Quote
<b>SEQ</b>	Sequence Kit (PIN 33)	X	No Selection
		Q	Special Quote

## COMPLETE PIN NUMBER DESCRIPTION (CONT'D)

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>UNLOAD</b>	PIN 34	S	Standard Unloading
		Q	Special Quote
<b>PIN35</b>	PIN 35	X	No option required
		Q	Special Quote
<b>PIPING</b>	Piping Code (PIN 36)	X	No Selection
		R	Dual Relief Valves
		C	Chicago Relief Code
		Q	Special Quote
<b>METERDEV</b>	Metering Device (PIN 37)	E	EEV
		Q	Special Quote
<b>VALVE</b>	Valve Options (PIN 38)	X	No Selection
		B	Condenser Isolation Valves
		Q	Special Quote
<b>BYPASS</b>	Hot Gas Bypass (PIN 39)	X	No Selection
		Q	Special quote
<b>PIN40</b>	PIN 40	X	No Selection
		Q	Special Quote
<b>REF</b>	R-134a (PIN 41)	X	No Selection
<b>CPRVAR</b>	Compressor Variation (PIN 42)	W	2.3 Vi Compressor
		C	Optimized 2.3 Vi Compressor
		S	Standard 3.2 Vi Compressor
		V	Optimized 3.2 Vi Compressor
		Q	Special Quote
<b>CPRFQ</b>	Compressor Frequency (PIN 43, 44, 45)	X	Compressor Frequency
		Q	Special Quote
<b>ECON</b>	Economizer (PIN 46)	E	Economizer
		Q	Special Quote
		X	No Selection
<b>PIN47</b>	PIN 47	X	No Selection
		Q	Special Quote
<b>FLOW</b>	Flow Switch per Chiller (PIN 48)	X	No Selection
		S	One flow switch
		T	Two flow switches
		D	One diff pressure switch
		E	Two diff pressure switches
		G	One thermal dispersion switch
		H	Two thermal dispersion switches
		Q	Special Quote
<b>INS</b>	Thermal Insulation (PIN 49)	X	No Selection
		S	3/4" insulation Evaporator
		D	1-1/2" insulation Evaporator
		E	3/4" insulation Evaporator and Condenser
		C	1-1/2" ins Evaporator and 3/4" Condenser
		Q	Special Quote

## COMPLETE PIN NUMBER DESCRIPTION (CONT'D)

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>VESSEL</b>	Vessel Codes (PIN 50)	G	GB Pressure Vessel Codes
		E	PED Pressure Vessel Codes
		A	ASME Pressure Vessel Codes
		Q	Special Quote
<b>PIN51</b>	PIN 51	X	No Selection
		Q	Special Quote
<b>TEMP</b>	Evaporator Water Temp (PIN 52, 53)	##	Leaving Evap Water Temp = {LWT} deg
		QQ	Special Quote
<b>EVAP TUBETYPE</b>	Evaporator Tube Type (PIN 54, 55, 56)	321	0.025 Wall MT#321
		322	0.028 Wall MT#322
		323	0.035 Wall MT#323
		326	0.025 Wall MT#326
		327	0.028 Wall MT#327
		328	0.035 Wall MT#328
		QQQ	Special Quote
<b>EVAPWB</b>	Evaporator Water Box Type (PIN 57)	C	Compact water boxes
		Q	Special Quote
<b>EVAPCOAT</b>	Evaporator Epoxy Coating (PIN 58)	C	Compact water boxes
		Q	Special Quote
<b>EVAPHG</b>	Evaporator Hinges (PIN 59)	X	No Selection
		Q	Special Quote
<b>EVAPDWP</b>	Evaporator Waterside DWP (PIN 60)	1	150psig DWP waterside
<b>EVAPPARR</b>	Evaporator Nozzle Arrangement (PIN 61)	A	AH
		H	HA
		C	CB
		K	KJ
		G	GN
		P	PF
		Q	Special Quote
<b>EVAPWB</b>	Evaporator Water Box Type (PIN 57)	C	Compact Water Boxes
		Q	Special Quote
<b>EVAPCOAT</b>	Evaporator Epoxy Coating (PIN 58)	C	Compact Water Boxes
		Q	Special Quote
<b>EVAPHG</b>	Evaporator Hinges (PIN 59)	X	No Selection
		Q	Special Quote
<b>EVAPDWP</b>	Evaporator Waterside DWP (PIN 60)	1	150psig DWP waterside
<b>EVAPPARR</b>	Evaporator Nozzle Arrangement (PIN 61)	A	AH
		H	HA
		C	CB
		K	KJ
		G	GN
		P	PF
		Q	Special Quote

## COMPLETE PIN NUMBER DESCRIPTION (CONT'D)

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>EVAPWBCON</b>	Evaporator Water Connection (PIN 62)	G	Groove
		D	DIN / PN weld flanges (field)
		P	DIN / PN weld flanges (factory)
		A	ANSI welded flanges (field)
		N	ANSI welded flanges (factory)
		H	HG welded flanges (factory)
		V	DIN / PN Victaulic flanges (field)
		C	ANSI Victaulic flanges (field)
		Q	Special Quote
<b>EVPPFL</b>	Evaporator Fluid (PIN 63)	W	Water
		C	Calcium Chloride
		S	Sodium Chloride
		E	Ethylene Glycol
		P	Propylene Glycol
		Q	Special Quote
<b>PIN64</b>	PIN 64	X	No Selection
		Q	Special Quote
<b>CTEMP</b>	Condenser Leaving Water Temperature (PIN 65, 66)	X	No option
		1	Condenser Leaving Water Temp = {CLWT} deg
		S	Special Quote
<b>COND TUBETYPE</b>	Condenser Tube Type (PIN 67, 68, 69)	201	0.028 Wall MT#201
		203	0.035 Wall MT#203
		260	0.025 Wall MT#260
		261	0.028 Wall MT#261
		262	0.035 Wall MT#262
		266	0.025 Wall MT#266
		267	0.028 Wall MT#267
		268	0.035 Wall MT#268
		162	0.025 Wall MT#162
		QQQ	Special Quote
<b>CONDWB</b>	Condenser Water Box Type (PIN 70)	C	Compact water boxes
		Q	Special Quote
<b>CONDCOAT</b>	Condenser Epoxy Coating (PIN 71)	X	No Selection
		Q	Special Quote
<b>CONDHG</b>	Condenser Hinges (PIN 72)	X	No Selection
		Q	Special Quote
<b>CONDDWP</b>	Condenser Waterside DWP (PIN 73)	C	150 psig DWP waterside
		K	Special Quote

## COMPLETE PIN NUMBER DESCRIPTION (CONT'D)

FEATURE	DESCRIPTION	OPTION	DESCRIPTION
<b>CNDARR</b>	Condenser Nozzle Arrangement (PIN 74)	A	AH
		H	HA
		C	CB
		K	KJ
		G	GN
		P	PF
		Q	Special Quote
<b>CONDWBCON</b>	Condenser Water Box Connection (PIN 75)	G	Groove
		D	DIN / PN welded flanges (field)
		P	DIN / PN welded flanges (factory)
		A	ANSI welded flanges (field)
		N	ANSI welded flanges (factory)
		H	HG welded flanges (factory)
		V	DIN / PN Victaulic flanges (field)
		C	ANSI Victaulic flanges (field)
		Q	Special Quote
<b>CONPFL</b>	Condenser Fluid (PIN 76)	W	Water
		C	Calcium Chloride
		S	Sodium Chloride
		E	Ethylene Glycol
		P	Propylene Glycol
		Q	Special Quote
<b>PIN 77</b>	PIN 77	X	No Selection
		Q	Special Quote
<b>NOISERDCT</b>	Noise Reduction Kit (PIN 78)	X	No Selection
		B	Sound Kit #1
		C	Sound Kit #2
		D	Sound Kit #3
		Q	Special Quote
<b>ISOL</b>	Vibration Isolation (PIN 79)	X	No Selection
		E	Elastomeric pad
		1	1 in Deflection Spring Isolation
		Q	Special Quote
<b>PAINT</b>	Paint Options (PIN 80)	S	Caribbean Blue
		Q	Special Quote
<b>STRMOD</b>	Structural Modification (PIN 81)	X	No Selection
		Q	Special Quote
<b>PIN 82</b>	PIN 82	X	No Selection
		Q	Special Quote

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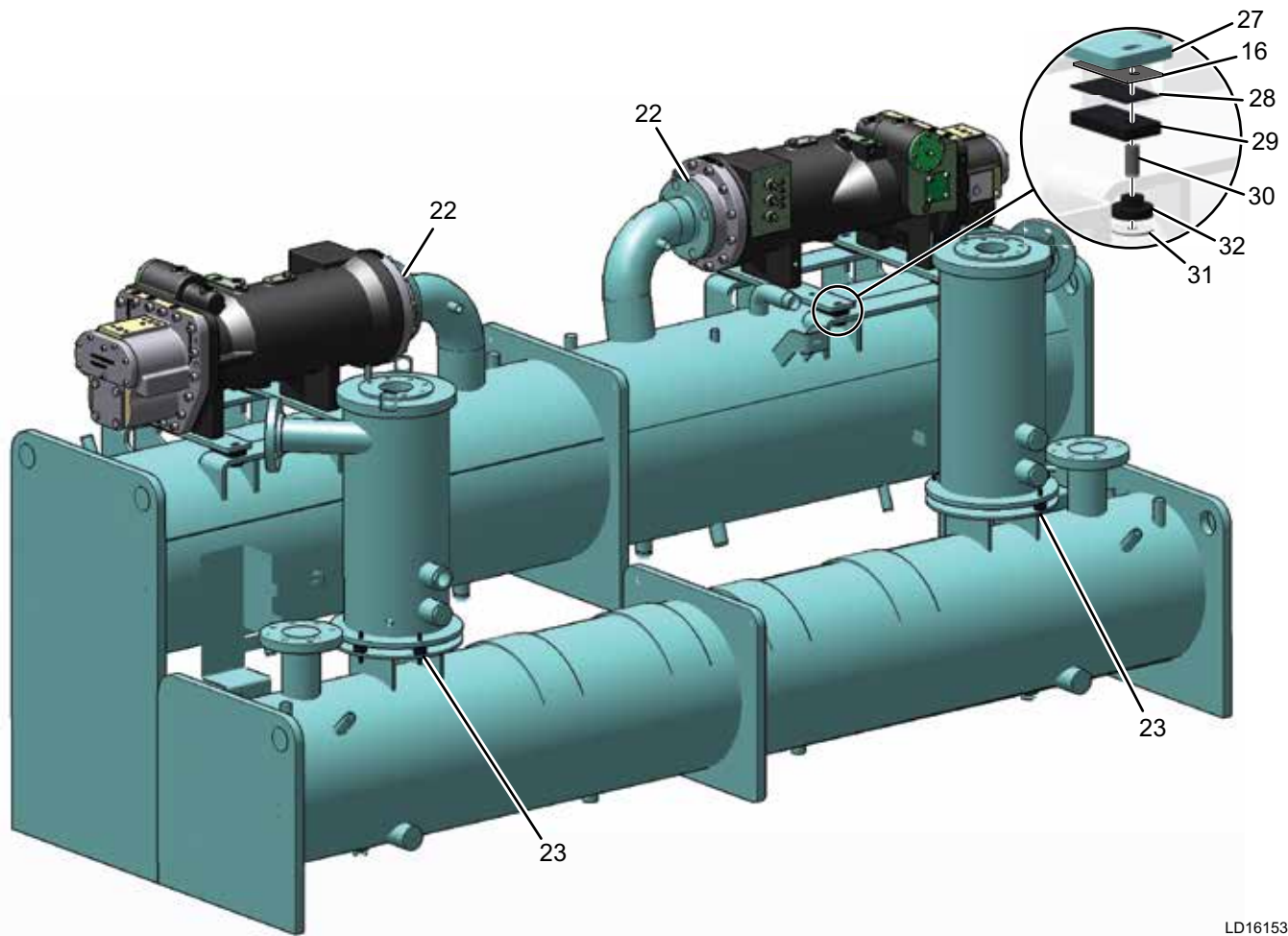
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**TABLE 1 - UNIT COMPONENTS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
16	Adjustable Shim Assembly	392-02243-000	701910	4	1
	Adjust Shim 105T55 T=0.6	092-02242-001	709749	4	
	Adjust Shim 105T55 T=1.0	092-02242-002	709753	4	
	Adjust Shim 105T55 T=1.5	092-02242-003	709754	4	
	Adjust Shim 105T55 T=3.2	092-02242-004	709755	4	
22	Gasket, Ansi 5-150#	028-15075-211	710159	2	1
23	Isolator, 1-1/2 Dia X 1 In Lg	028-09239-001	741531	8	1
27	Support ,Compressor	092-02694-000	689085	4	1
28	Shim, Adjustment	028-16361-000	742204	8	1
29	Front, Rubber Cushion	028-16362-000	742205	8	1
30	Limit, Steel Tube	075-91256-000	760678	8	1
31	Washer	028-16359-000	742202	8	1
32	Bottom, Rubber Cushion	028-16360-000	742203	8	1

Note: Quantities based off dual circuit systems



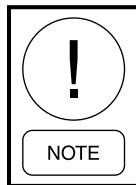
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**FIGURE 1 - UNIT COMPONENTS**

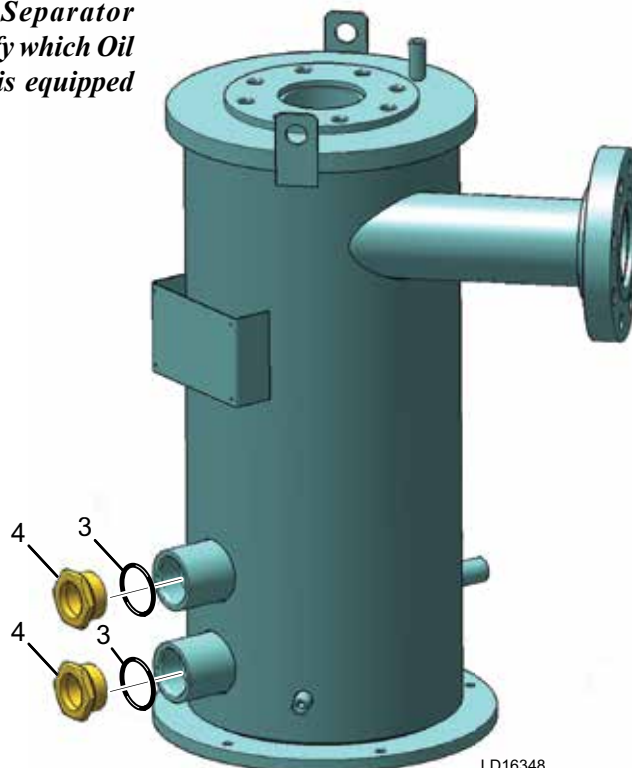
**TABLE 2 - OIL SEPARATOR**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>PIN 50 G = GB</b>					
-	OIL SEPARATOR (GB)	392-02170-880	804988	1	2
3	O-Ring Neo1 02.090ld .118Thk	028-12961-036	618660	2	2
4	Plug Sight 2-1/4-12UN-2A	023-24910-000	733995	2	2
-	OIL SEPARATOR (GB)	392-00752-880	804761	1	2
3	O-Ring Neo1 02.090ld .118Thk	028-12961-036	618660	2	2
4	Plug Sight 2-1/4 -12 Un-2A	023-17197-000	146345	2	2
<b>PIN 50 A = ASME</b>					
-	OIL SEPARATOR (ASME)	392-02170-000	804987	1	2
3	O-Ring Neo1 02.090ld .118Thk	028-12961-036	618660	2	2
4	Plug Sight 2-1/4 -12 UN-2A	023-17197-000	146345	2	2
-	OIL SEPARATOR (ASME)	392-00752-000	804760	1	2
3	O-Ring Neo1 02.090ld .118Thk	028-12961-036	618660	2	2
4	Plug Sight 2-1/4 -12 UN-2A	023-17197-000	146345	2	2
<b>PIN 50 E = PED</b>					
-	OIL SEPARATOR (PED)	392-00752-900	709192	1	2
3	O-RING NEO1 02.090ID .118THK	028-12961-036	618660	2	2
4	PLUG SIGHT 2 1/4" -12 UN-2A	023-17197-000	617564	2	2
-	OIL SEPARATOR (PED)	392-02170-900	709191	1	2
3	O-Ring Neo1 02.090ld .118Thk	028-12961-036	618660	2	2
4	Plug Sight 2 1/4" -12 UN-2A	023-17197-000	617564	2	2

Note: Quantities based off dual circuit systems



*Refer to the Oil Separator Nameplate to identify which Oil Separator the unit is equipped with.*

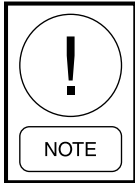


**FIGURE 2 - OIL SEPARATOR**

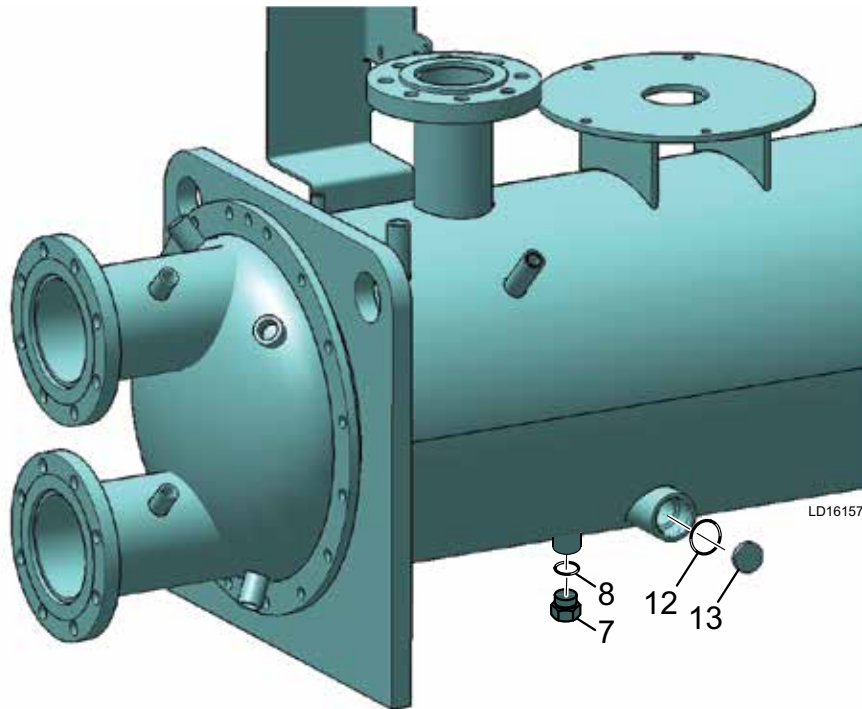
**TABLE 3 - CONDENSER**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
7	Plug, Hex Hd 1-5/16 (ASME)	023-18282-000	146271	2	3
	Plug, Threaded 1-5/16-12UN-2A (GB)	023-25252-000	734179		
8	O-Ring, Neo1 01.1711d .116THK	028-12961-008	588822	2	3
12	O-Ring, Neo1 02.0901d .118THK	028-12961-036	618660	2	3
13	Plug, Sight 2-1/4 -12 UN-2A (ASME)	023-17197-000	146345	2	3
	Plug, Sight 2-1/4-12UN-2A (GB)	023-24910-000	733995		

Note: Quantities based off dual circuit systems



**Refer to PIN 50 to identify which vessel the unit is equipped with.**

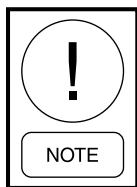


**FIGURE 3 - CONDENSER**

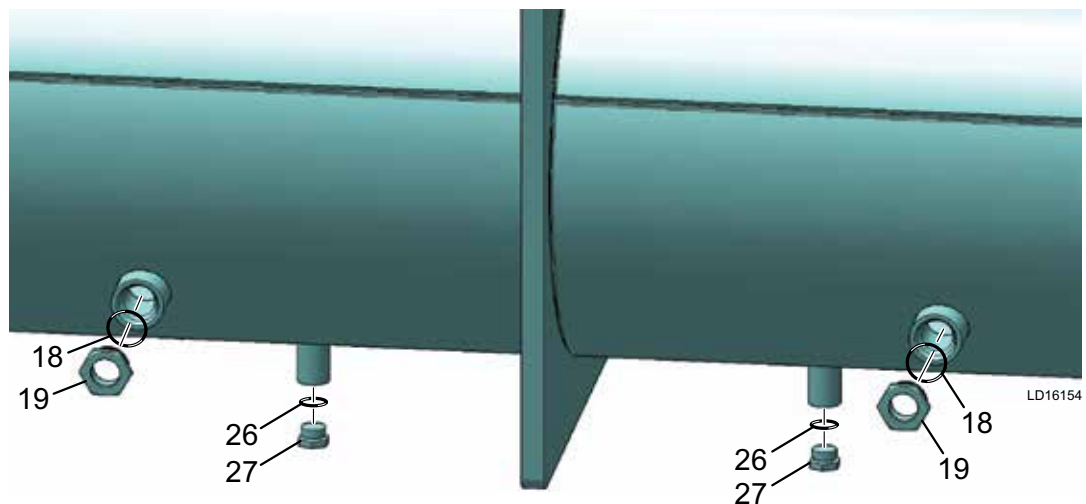
**TABLE 4 - EVAPORATOR**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
18	O-Ring, Neo 1 02.090ID .118THK	028-12961-036	618660	2	4
19	Plug, Sight 2-1/4 -12 UN-2A (PIN 5 = M)	023-17197-000	146345	2	4
	Plug, Sight 2-1/4 -12 UN-2A (PIN 5 = N)	023-24910-000	733995		
22**	O-RING NEO1 00.924ID .116THK M (PED)	028-12961-006	588821	1	4
23**	PLUG HEX HD 1-1/16 (PED)	023-18295-000	146284	1	4
26	O-Ring, Neo 1.17ID .116 THK	028-12961-008	588822	2	4
27	Plug, Threaded 1-5/16 -12UN (GB)	023-25252-000	734179	2	4
	Plug, Threaded 1-5/16 -12UN (ASME/PED)	023-18282-000	146271		

Note: \* Item not illustrated  
 \*\* Applies to single circuit only



**Refer to PIN 50 to identify which vessel the unit is equipped with.**



**FIGURE 4 - EVAPORATOR**

**TABLE 5 - UNIT PIPING FOR SINGLE CIRCUIT SYSTEM**

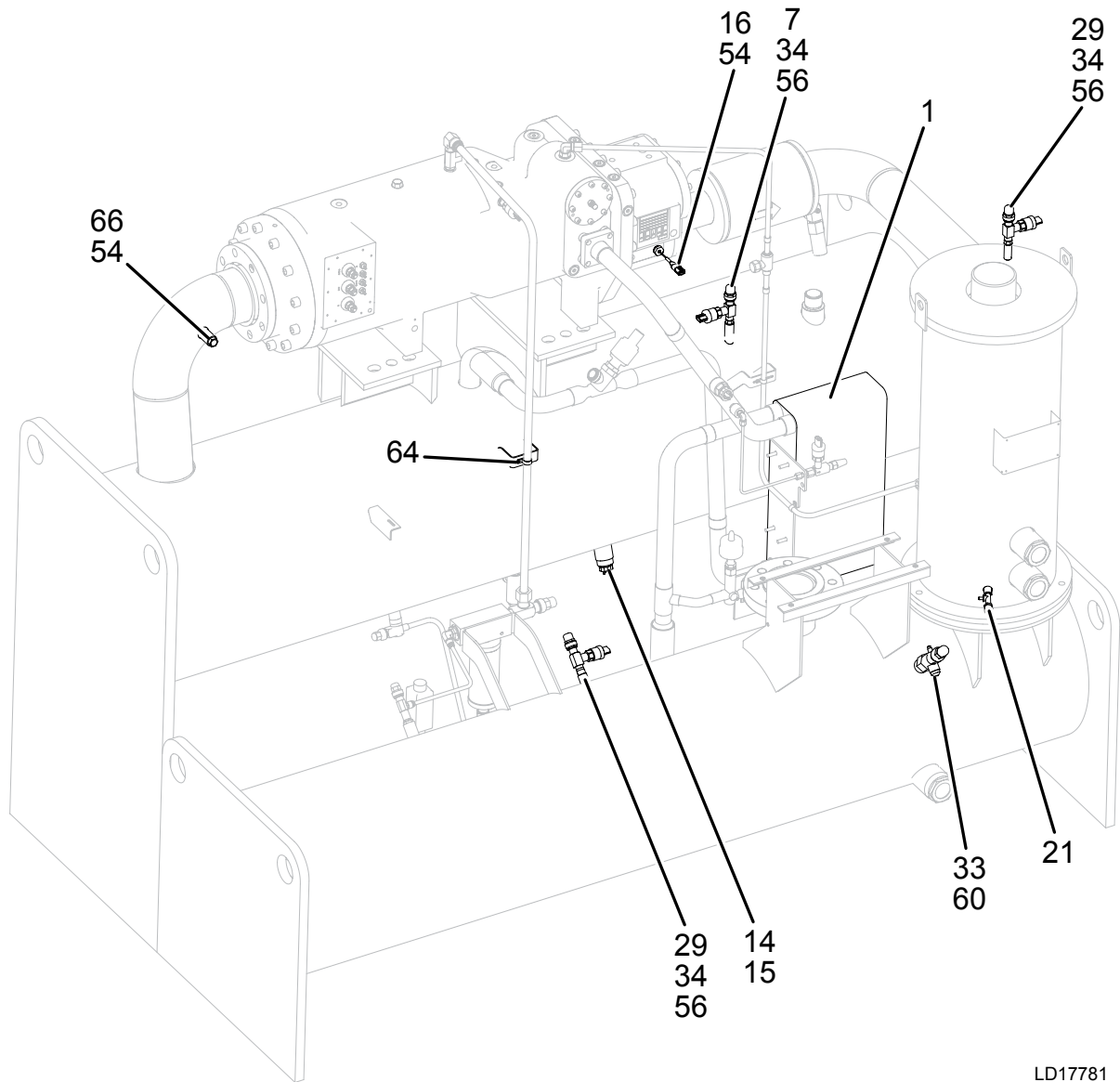
ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
1	PLATE HEAT EXCHANGER ASSY WTS145 (FX)	392-06489-000	719429	1	5,7
	Pipe Eco Main Inlet	092-06498-000	719633	1	
	Pipe Eco Main Outlet Pipe	092-06499-000	719634	1	
	Valve R-410A Od 22.23Mm / 7/8In Brazed	025-45331-001	844373	1	
	Clamp Tube 7/8 Id	075-50979-078	518760	1	
	Pipe Eco Minor Outlet	092-06523-000	719652	1	
	Eev Support Phe Assy	092-10704-000	1042589	1	
	Pipe Eco Minor Inlet	092-06503-000	719638	1	
	Copper Sleeve 1-1/16-12Un-2B	023-25540-000	827125	1	
	Copper Sleeve 7/16-20Unf-2B	023-25307-000	691085	1	
	Phe Support	092-10621-000	860640	1	
1	PLATE HEAT EXCHANGER ASSY WTS145 HP (FX Liquid Injection Kit)	392-06489-001	1042790	1	5,7
	Phe P80x80 Swep	026-46180-000	709193	1	
	Pipe Eco Main Inlet	092-06498-000	719633	1	
	Pipe Eco Main Outlet Pipe	092-06499-000	719634	1	
	Valve R-410A Od 22.23Mm / 7/8In Brazed	025-45331-001	844373	1	
	Clamp Tube 7/8 Id	075-50979-078	518760	1	
	Pipe Eco Minor Outlet	092-06523-000	719652	1	
	Eev Support Phe Assy	092-10704-000	1042589	1	
	Pipe Eco Minor Inlet	092-10705-000	1042590	1	
	Pipe Eco Minor Inlet	092-16565-000	1042782	1	
	Copper Sleeve 1-1/16-12Un-2B	023-25540-000	827125	1	
	Copper Sleeve 7/16-20Unf-2B	023-25307-000	691085	1	
	Phe Support	092-10621-000	860640	1	
	Tee Sld C X C X C 5/8 X	023-00294-000	731523	1	
	Injection Tube Piping System Yvwa	092-16566-000	1042783	1	
	Valve Solenoid 3/8" Odf Conn	025-42198-000	435830	1	
	Eev Support Phe Assy	092-10703-000	1042588	1	
Clamp Tube 3/8 Od	023-05284-000	146801	1		
1	PHE ASSY WTS151 (GX)	392-06543-000	835949	1	5,7
	Plate Heat Exchanger Swep P80x118	026-46872-000	719606	1	
	Pipe Eco Main Inlet	092-06498-000	719633	1	
	Pipe Eco Main Outlet Pipe	092-06499-000	719634	1	
	Valve R-410A Od 22.23Mm / 7/8In Brazed	025-45331-001	844373	1	
	Clamp Tube 7/8 Id	075-50979-078	518760	1	
	Pipe Eco Minor Outlet	092-06504-000	719639	1	
	Eev Support Phe Assy	092-10704-000	1042589	1	
	Pipe Eco Minor Inlet	092-06503-000	719638	1	
	Copper Sleeve 1-1/16-12Un-2B	023-25540-000	827125	1	
	Copper Sleeve 7/16-20Unf-2B	023-25307-000	691085	1	
	Phe Support	092-10621-000	860640	1	

**TABLE 5 (CONT'D) - UNIT PIPING FOR SINGLE SYSTEM**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
1	PHE ASSY WTS151 HP (GX Liquid Injection Kit)	392-06543-001	1042791	1	5,7
	Plate Heat Exchanger Swep P80x118	026-46872-000	719606	1	
	Pipe Eco Main Inlet	092-06498-000	719633	1	
	Pipe Eco Main Outlet Pipe	092-06499-000	719634	1	
	Valve R-410A Od 22.23Mm / 7/8In Brazed	025-45331-001	844373	1	
	Clamp Tube 7/8 Id	075-50979-078	518760	1	
	Pipe Eco Minor Outlet	092-06504-000	719639	1	
	Eev Support Phe Assy	092-10704-000	1042589	1	
	Pipe Eco Minor Inlet	092-10705-000	1042590	1	
	Pipe Eco Minor Inlet	092-16565-000	1042782	1	
	Copper Sleeve 1-1/16-12Un-2B	023-25540-000	827125	1	
	Copper Sleeve 7/16-20Unf-2B	023-25307-000	691085	1	
	Phe Support	092-10621-000	860640	1	
	Tee Sld C X C X C 5/8 X	023-00294-000	731523	1	
	Hhcs 0.250-20 X 0.750 Gr 5 Emp	021-19313-012	730445	2	
	Injection Tube Piping System	092-16566-000	1042783	1	
	Valve Solenoid 3/8" Odf Conn	025-42198-000	435830	1	
	Eev Support Phe Assy	092-10703-000	1042588	1	
	Clamp Tube 3/8 Od	023-05284-000	146801	1	
2	Liquid Level Transmitter Assy	392-02714-001	689851	1	
3	Level Transducr 4-20Ma L=131Mm Threaded	025-44846-000	842818	1	6
4	Oil Eductor	026-45399-000	741220	1	7
5	Filter Drier 1-14 Un-2A	026-32839-000	1477	1	7
6	Valve Stop Ang Vertical	022-10047-000	617115	1	7
7	Transducer, 0-125 Psi	025-29583-001	128531	1	5
8	Pipe Eco Main Inlet	092-06491-000	719627	1	7
9	Pipe Eco Minor Outlet	092-06524-000	719653	1	7
10	Pipe Eco Main Outlet	092-06500-000	719635	1	7
11	Valve R-410A Od 41.27Mm / 1-5/8In Brazed	025-45331-003	844375	1	7
12	Pipe Eco Main Outlet	092-06501-000	719636	1	7
13	Valve Ball 1-1/16 - 12 Un-2A	022-09757-000	62507	2	6
14	O-Ring Neo1 00.924Id .116Thk M	028-12961-006	588821	6	5,6,7
15	Sensor Temperature 3000 Ohms	025-39517-000	118035	3	5,6,7
16	Sensor, Temperature Dxs Screw	025-32924-000	738772	1	5
17	Plate	075-92632-000	761189	1	7
18	Conn.	075-92633-000	761190	1	7
19	Valve Stop Ang Vertical	022-10054-000	617117	1	7
20	Valve Stop Ang Horizontal	022-09756-000	731279	1	7
21	Valve Stop Ang 1/4 Npte X	022-00009-000	257712	1	5
23	Adapter Straight 1 -14 Un-2B	023-19030-000	146209	1	7
24	Val Ang Sc Stop Needle 1/4	025-45607-000	61253	1	7
25	Transducer 0-275 Psi	025-29139-003	251762	1	7
26	Ftg Fem Bulkhd 1/4Odt Swagelok	023-25495-000	734229	1	7
28	Adapter, M X F 3/4 -16Unf	023-18225-000	146300	1	6
29	Transducer 0-400 Psi, 5V Input	025-29139-001	738264	3	5,6

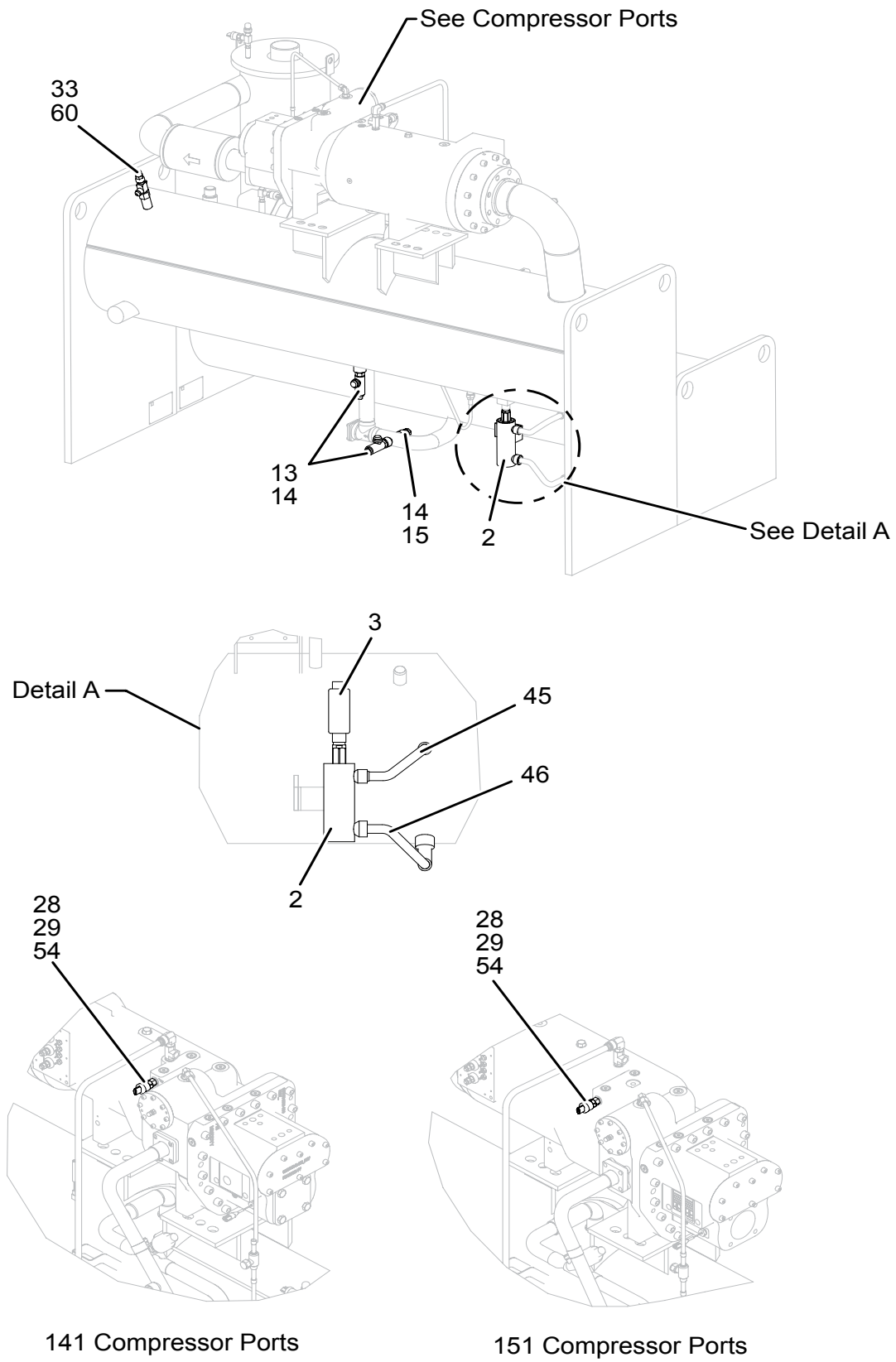
**TABLE 5 (CONT'D) - UNIT PIPING FOR SINGLE SYSTEM**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
32	Valve Ball 1/2 Od (C X C)	022-09172-000	731238	1	7
33	Valve Stop Ang Vertical	022-09573-000	617077	2	5,6,7
34	Valve Stop Ang Vertical	022-11858-000	540201	3	5
37	O-Ring 2-139 Dxs Screw	028-13963-000	741865	1	7
45	Transducer Tube	092-17144-000	1056934	1	6
46	Transducer Tube	092-17145-000	1056935	1	6
49	O-Ring Neo1 00.739Id .070Thk M	028-12961-015	618651	2	7
53	O-Ring Neo1 00.364Id .070Thk M	028-12961-012	618648	2	7
54	O-Ring Neo1 00.644Id .087Thk M	028-12961-004	588819	9	5,6,7
55	O-Ring Neo1 00.468Id .078Thk M	028-12961-003	588818	1	7
56	O-Ring Neo1 00.351Id .072Thk M	028-12961-001	588817	4	5
59	O-Ring Neo1 00.489Id .070Thk M	028-12961-013	618649	2	7
60	Gasket, Seal 1 Od X 7/8 Id X	028-04836-000	62960	2	5,6
61	Oil Return Tube From Eductor	092-06533-000	853133	1	7
62	Eductor Tube From Cond	092-06508-000	853128	1	7
63	Eductor Tube From Evap	092-06509-000	853129	1	7
64	Clamp Tube 3/4 Od With	021-10652-000	147526	1	5,7
65	Oil Return Tube From Os	092-06511-000	853131	1	7
66	Plug Threaded 3/4-16Unf-2A	023-25226-000	734168	1	5
67	Sensor Temp 3000 Ohms At 25	025-28935-000	738242	1	7
72	Copper Pipe	092-02782-000	813073	1	7
86	Oil Return Tube From Os	092-06532-000	853132	1	7
89	Pipe Eco Minor Inlet Pipe	092-06502-000	719637	1	7



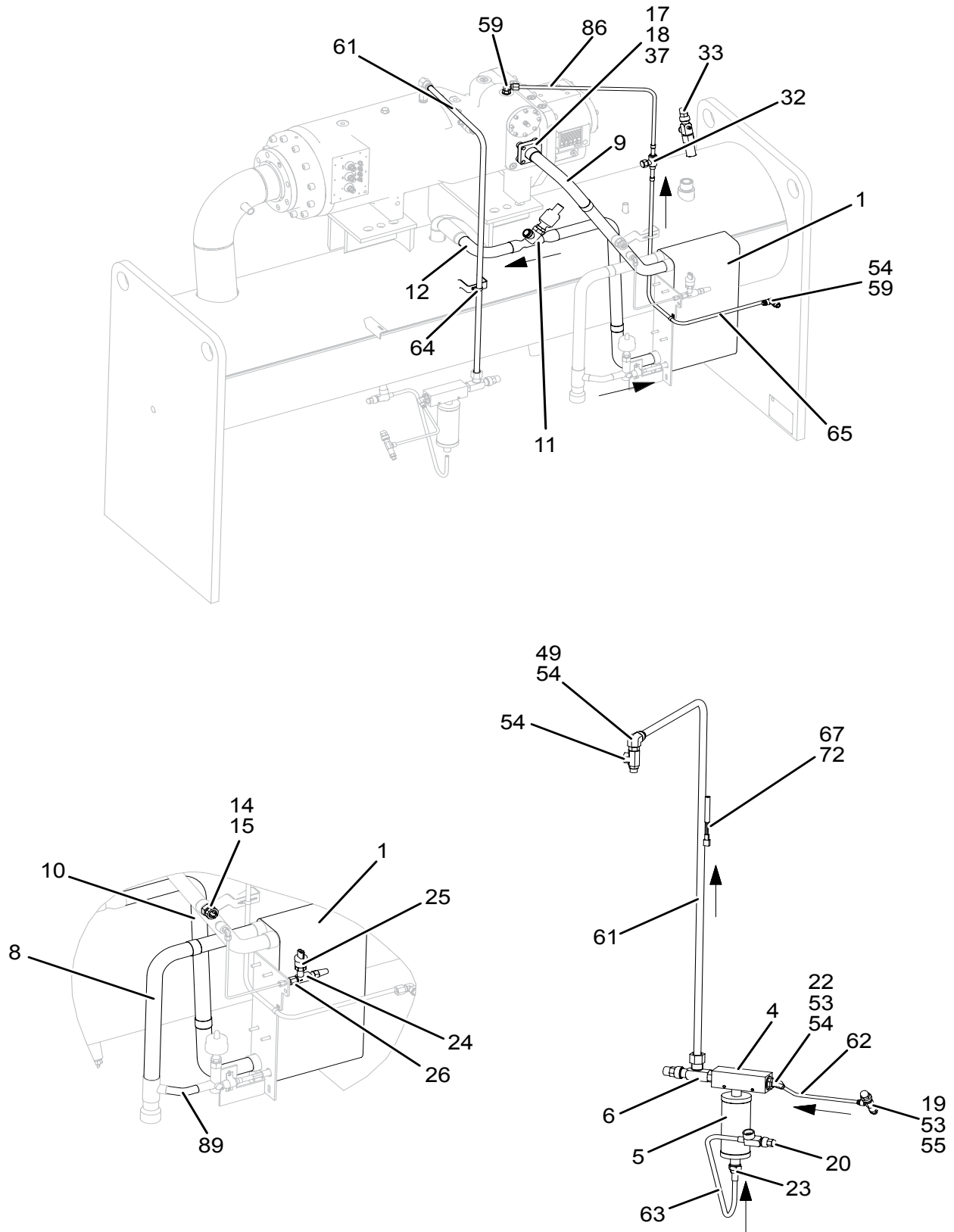
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**FIGURE 5 - UNIT PIPING FOR SINGLE SYSTEM**



LD17782

**FIGURE 6 - UNIT PIPING FOR SINGLE SYSTEM**



**FIGURE 7 - UNIT PIPING FOR SINGLE SYSTEM**

LD17783

**TABLE 6 - UNIT PIPING FOR DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
6	PHE, ASSY SYSTEM1 WTS36 / CTS36	-	-	1	-
6a	Plate Heat Exchanger, P80x64 Swep	026-46822-000	689246	1	9
6b	Tee, Sld C X C X C 1-5/8 X	023-02680-000	731667	1	9
6c	Expansion Valve, 7/8X7/8	025-45331-001	844373	1	9
6d	Copper, Sleeve 7/16-20UNF	023-25307-000	691085	1	9
6	PHE, ASSY SYSTEM1 WTS45 / CTS45	-	-	1	-
6a	Plate Heat Exchanger, P80x80 Swep	026-46180-000	709193	1	9
6b	Tee, Sld C X C X C 1-5/8	023-02680-000	731667	1	9
6c	Expansion Valve, 7/8X7/8	022-12027-000	709197	1	9
6d	Copper, Sleeve 7/16-20UNF	023-25307-000	691085	1	9
7	PHE, ASSY SYSTEM2 WTS36 / CTS36	-	-	1	8
7a	Plate Heat Exchanger, P80x64 Swep	026-46186-000	741308	1	9
7b	Tee, Sld C X C X C 1-5/8	023-02680-000	731667	1	9
7c	Expansion Valve, 7/8X7/8	022-12027-000	709197	1	9
7d	Copper, Sleeve 7/16-20UNF	023-25307-000	691085	1	9
7	PHE, ASSY SYSTEM2 WTS45 / CTS45	-	-	1	8
7a	Plate Heat Exchanger, P80x80 Swep	026-46180-000	709193	1	9
7b	Tee, Sld C X C X C 1-5/8	023-02680-000	731667	1	9
7c	Expansion Valve, 7/8X7/8	022-12027-000	709197	1	9
7d	Copper, Sleeve 7/16-20UNF	023-25307-000	691085	1	9
9	Sensor, Temperature 3000 Ohms	025-39517-000	118035	6	8,9,10,11
10	O-Ring, Neo1 00.924ID .116Thk	028-12961-006	588821	8	8,9,10,11
11	Valve, Ball 1-1/16 - 12 UN-2A	022-09757-000	62507	2	10
12	O-Ring, Neo1 00.468ID .078Thk	028-12961-003	588818	6	11
17	Valve, R-410a OD 41.27 / 1-5/8 Brazed	025-45331-003	844375	2	8,9
18	Economizer Main Outlet Pipe	092-02690-000	767868	2	8,9
20	Economizer Minor Outlet Pipe	092-02738-000	767882	1	9,10
21	Valve, Angle Compr	022-11358-000	731384	1	10
24	O-Ring, 2-139	028-13963-000	741865	2	8
25	Plate	075-92632-000	761189	1	8
26	Conn.	075-92633-000	761190	1	8
27	Valve, Stop Ang Vertical	022-11858-000	540201	6	8,10
28	Transducer, 0-275 PSI	025-29139-003	251762	2	9
29	Transducer, 0-400 PSI, 5V Input	025-29139-001	738264	6	8,10
30	O-Ring, Neo1 00.351ID .072Thk	028-12961-001	588817	8	8,9,10
31	Transducer, 0-125 PSI	025-29583-001	128531	2	8
32	Adapter, M X F 3/4 -16UNF	023-18225-000	146300	2	8
33	O-Ring, Neo1 00.644Id .087Thk	028-12961-004	588819	12	8,9,10,11
34	Sensor, Temperature	025-32924-000	738772	2	9,10
35	Copper Pipe	092-02782-000	813073	2	10
36	Sensor, Temp 3000 Ohms At 25	025-28935-000	738242	2	10
37	Valve, Stop Ang Vertical	022-09573-000	617077	4	8,10
38	Strap, Copper; Sporlan	025-38156-000	739563	2	10
39	Ins, Therm 7/8 ID X 1/2	010-03828-000	728799	1	10
40	Gasket, Seal 1 Od X 7/8 ID X	028-04836-000	62960	4	8,10

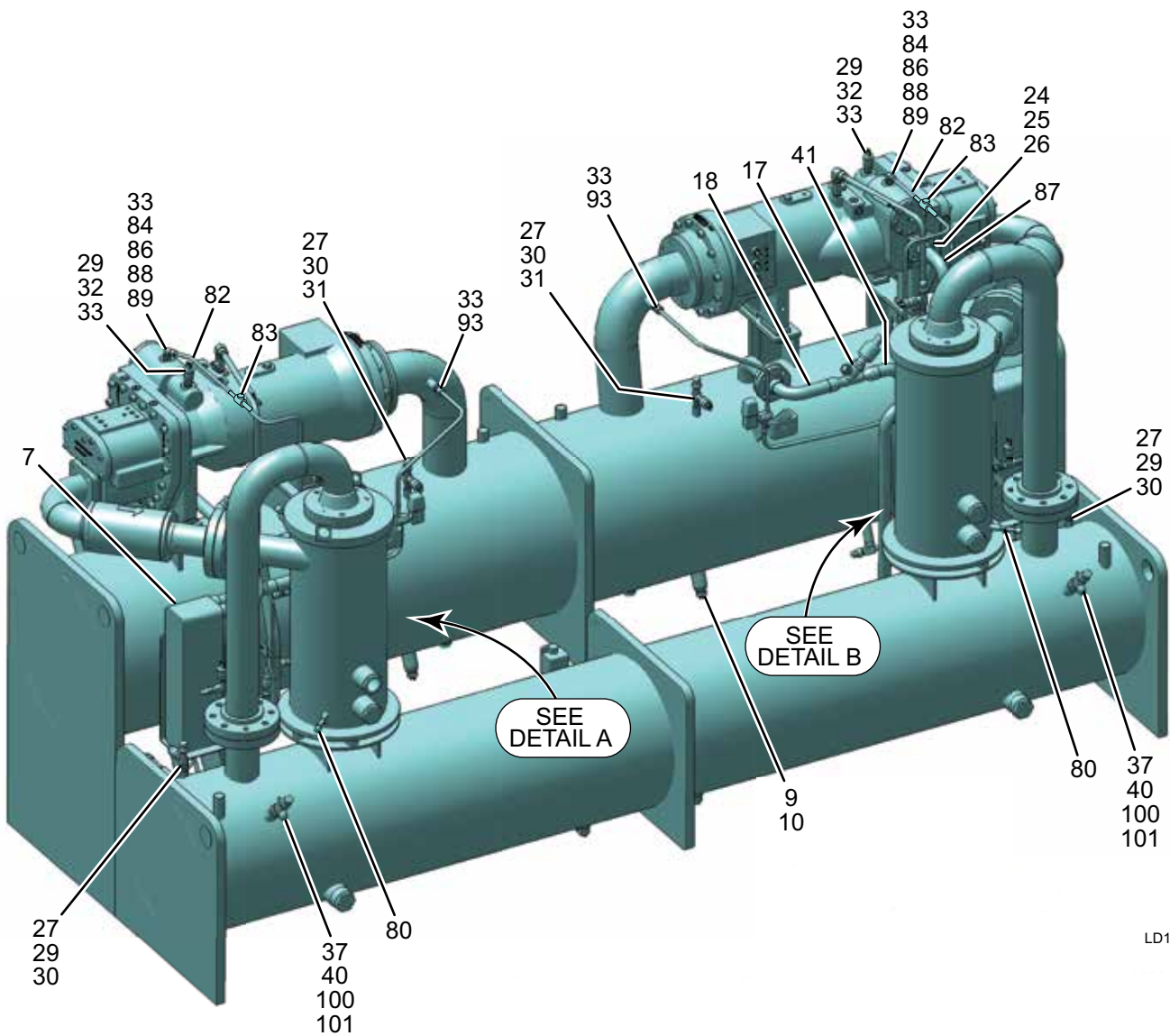
**TABLE 6 (CONT'D) - UNIT PIPING FOR DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
41	Eco Main Outlet Pipe	092-02739-000	767883	1	8,9
42	Eco Main Outlet Pipe	092-02689-000	767867	1	9
43	Eco Main Inlet Pipe	092-06478-000	769096	2	9
46	Transmitter, Level	025-44846-000	842818	2	11
47	Valve, Stop Ang Vertical	022-10047-000	617115	2	11
48	O-Ring, Neo1 00.924ID .116Thk	028-12961-006	588821	8	11
49	O-Ring, Neo1 00.739ID .070Thk	028-12961-015	618651	8	10,11
50	Sleeve, Braze Steel 3/4 O.D. Tube	023-18914-000	116330	4	11
51	Nut, 3/4 O.D. Tube	023-18286-000	146275	4	11
52	Tube, Steel 3/4 OD X .065	003-03518-000	615774	4	11
53	Elbow, 3/4 O.D.Tube 90° Male	023-18291-000	116324	4	11
54	Valve, Stop Ang Vertical	022-10054-000	617117	2	11
55	O-Ring, Neo1 00.364ID .070Thk	028-12961-012	618648	8	11
56	Sleeve, Braze Steel 3/8 O.D. Tube	023-20760-000	553533	8	11
57	Nut, 3/8 O.D. Tube	023-18977-000	146243	8	11
58	Tube, Steel 3/8 OD X .035 X	003-00969-000	588251	10	11
59	Elbow, 3/8 O.D.Tube 90° Male	023-18980-000	146246	4	11
60	Elbow, 1/4ODt 90° T Thd	944A0248h02--	113858	2	11
61	Fitting, Fem Bulkhd 1/4ODt Swagelok	023-25495-000	734229	2	9
62	Washer, Pln 0.250 Zn, 0.625/0.065	021-32004-503	641533	4	9
63	Lockwasher, Hel Spg 1/4 Reg	021-05267-000	588534	4	11
64	Hcs5, 0.250-20 X 0.750 Gr 5 Zn	021-32004-006	534812	4	11
65	Oil, Eductor	026-45399-000	741220	2	11
66	Elbow, 3/8 O.D.Tube 90° Male	023-18981-000	146247	2	11
67	Seal, Teflon Fiber 3/4 OD	028-12709-000	618637	6	11
68	Filter, Drier 1-14 UN-2A	026-32839-000	1477	2	9,11
69	Adapter, Straight 1-14 UN-2B	023-19030-000	146209	2	9,11
70	Tube, Sst 1/2 OD X .049 X	003-01562-900	727737	7	*
71	Valve, Stop Ang Horizontal	022-09756-000	731279	2	11
72	Sleeve, Braze SST 3/4 O.D. Tube	023-17536-000	732766	4	11
73	Nut, 3/4 O.D. Tube	023-18286-000	146275	4	10,11
74	Tube, Sst Wld 3/4 OD X .049 X	003-02487-005	727799	9	10,11
75	Elbow, 3/4 O.D.Tube 90° Male	023-21937-000	146081	2	10
80	Valve, Stop Ang 1/4 NPTE	022-00009-000	257712	2	10
81	Sleeve, Copper 1-1/16-12UN-2B	023-25540-000	827125	2	8
82	Tube, Steel 1/2 OD X .049 X	003-00243-000	588247	7	9
83	Valve, Ball 1/2 OD (C X C)	022-09172-000	731238	2	8
84	O-Ring, Neo1 00.489ID .070Thk	028-12961-013	618649	4	8,9
86	Nut, 1/2 O.D. Tube	023-18984-000	146250	4	8,9
87	Eco, Minor Outlet Pipe	092-02733-000	767880	1	8,9
88	Elbow, 1/2 O.D.Tube 90 Deg Male	023-18982-000	146248	4	8,9
89	Sleeve, Braze Steel 1/2 O.D. Tube	023-19089-000	146217	4	8,9
91	Tube, Steel 1/4 OD X .035 X	003-00235-000	588245	5	9

**TABLE 6 (CONT'D) - UNIT PIPING FOR DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
92	Valve, Ang Sc Stop Needle 1/4	950A0292H01--	61253	2	9
93	Plug, Threaded 3/4-16UNF-2A	023-25226-000	734168	2	8
96	Solenoid, Valve	025-44915-000	740621	2	9
100	Cap, Flare 3/4 OD Tube	023-00984-000	617242	4	8,10
101	Gasket ,Fla 3/4 Od Tube	028-09211-000	618602	4	8,10
102	Plug, Pipe 1/4 Npte Square	023-01195-000	711235	2	10

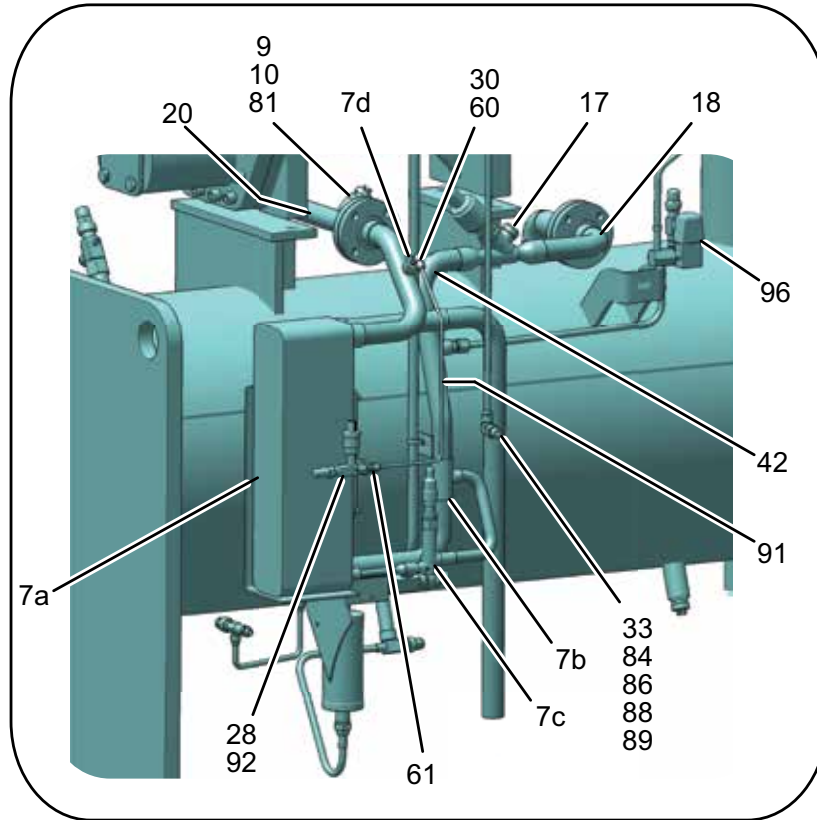
**NOTE:** Items with an \* are NOT represented.



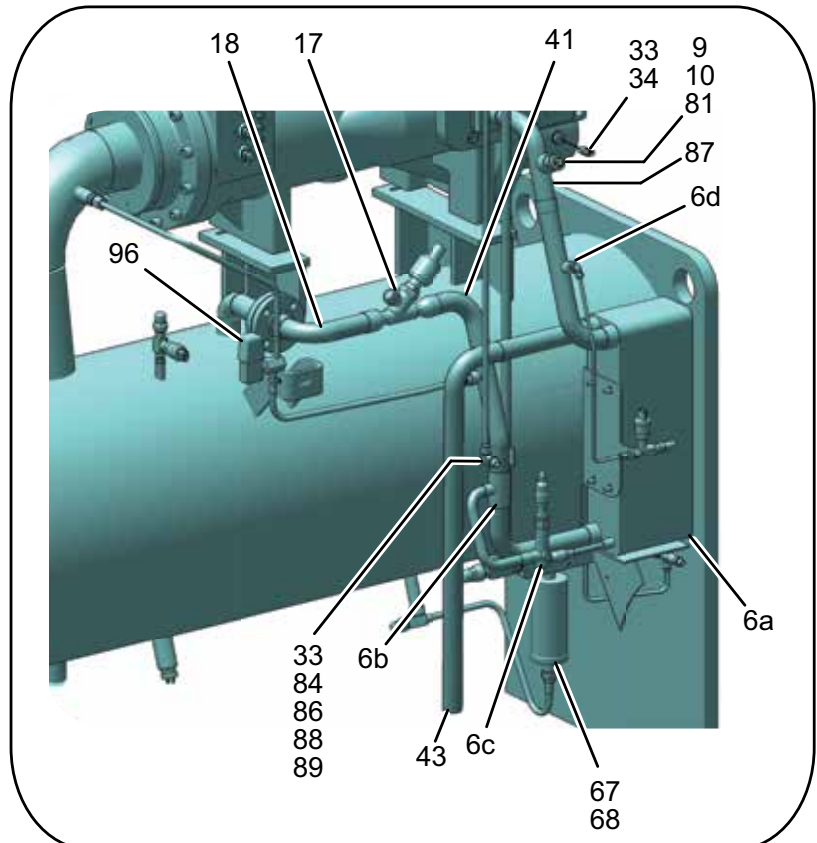
LD16329

**FIGURE 8 - UNIT PIPING FOR DUAL SYSTEMS**

**DETAIL A**

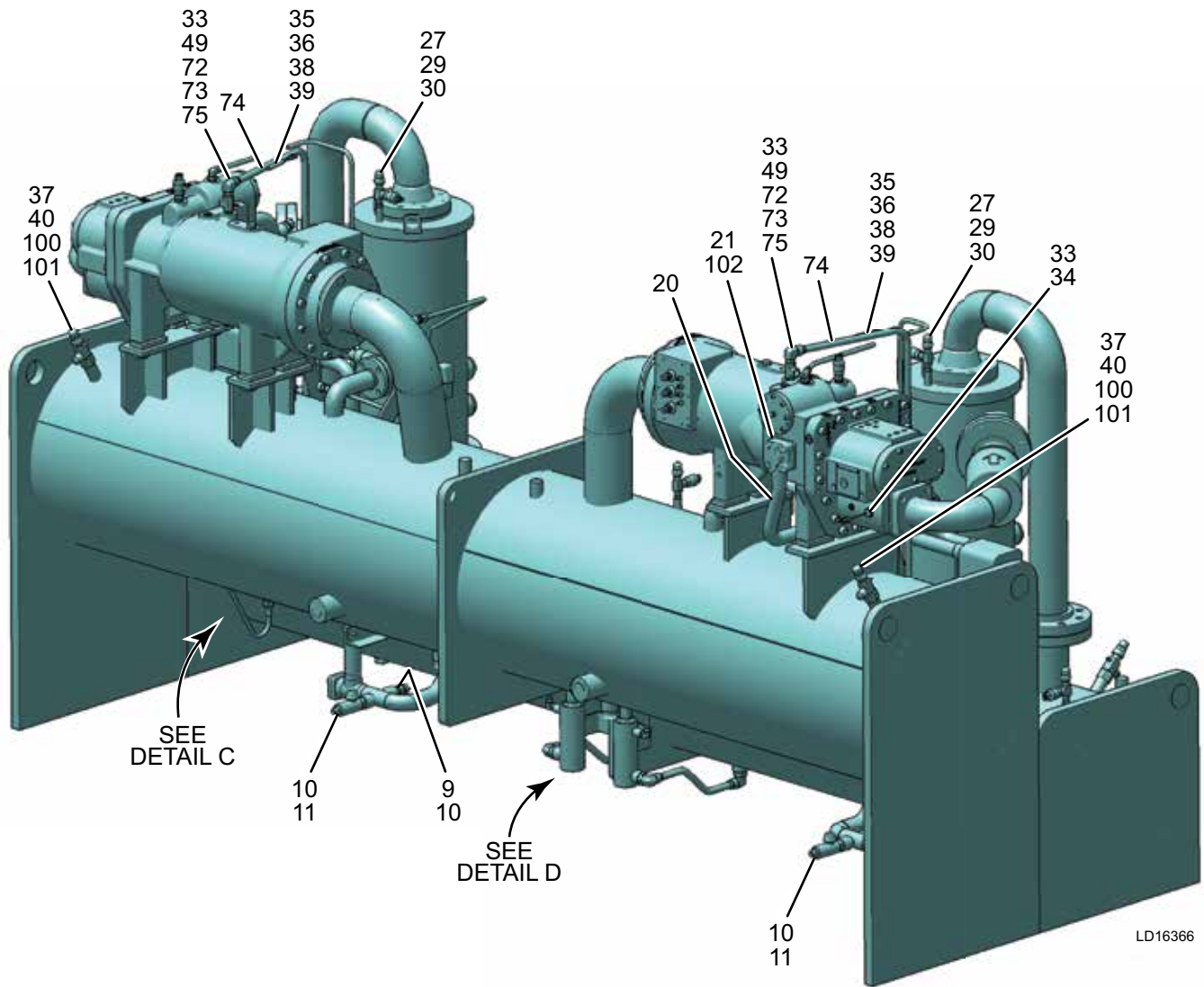


**DETAIL B**



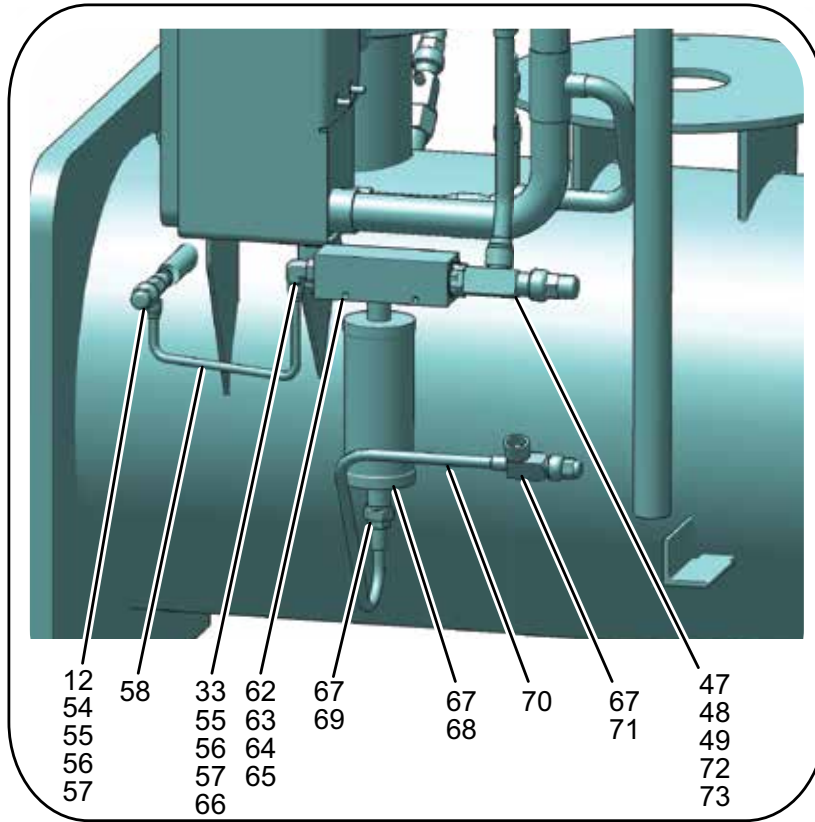
**FIGURE 9 - UNIT PIPING FOR DUAL SYSTEMS**

LD16329a

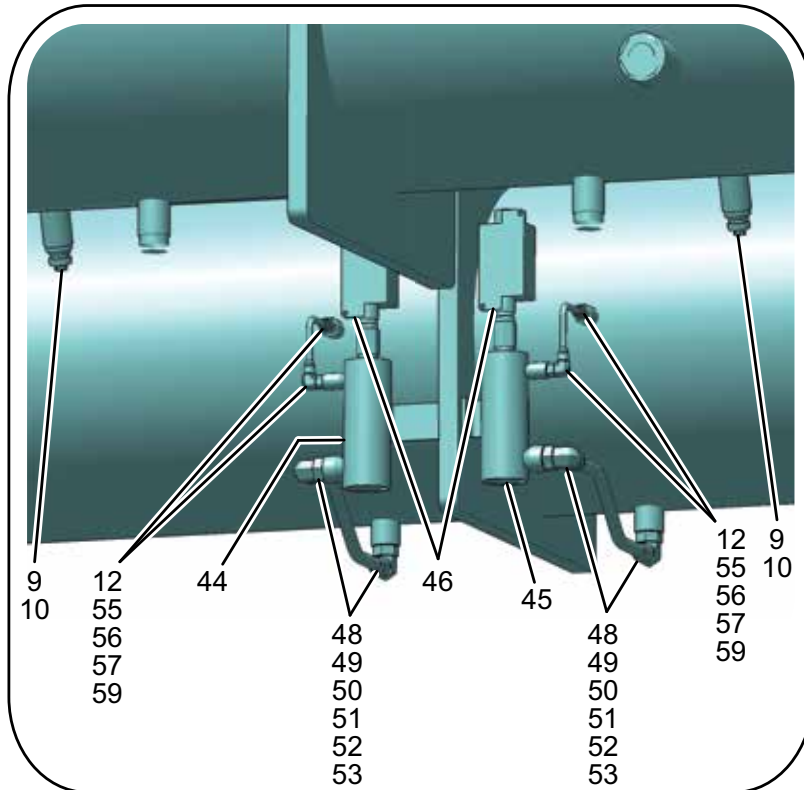


**FIGURE 10 - UNIT PIPING FOR DUAL SYSTEMS**

**DETAIL C**



**DETAIL B**



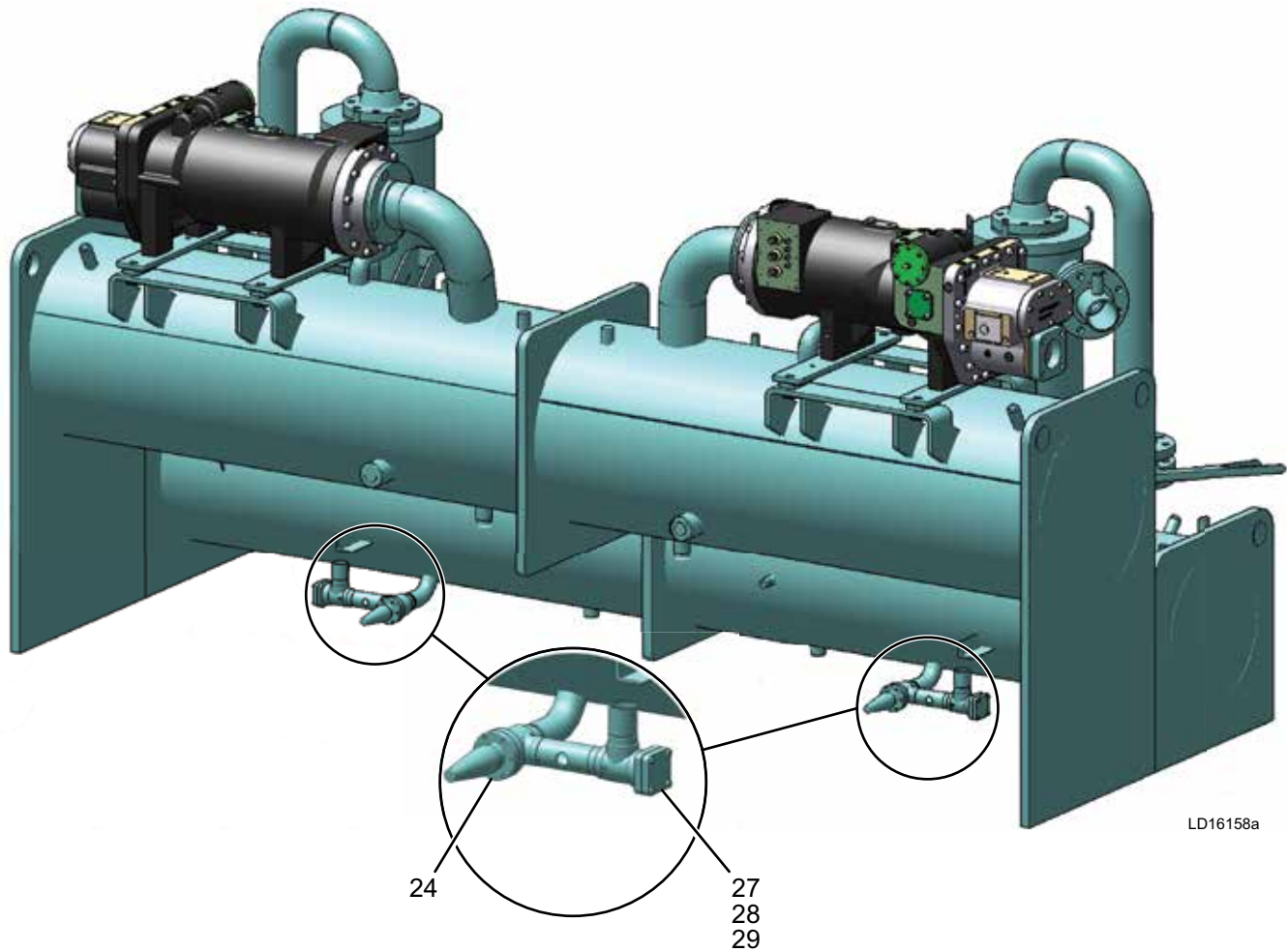
LD16366a

**FIGURE 11 - UNIT PIPING FOR DUAL SYSTEMS**

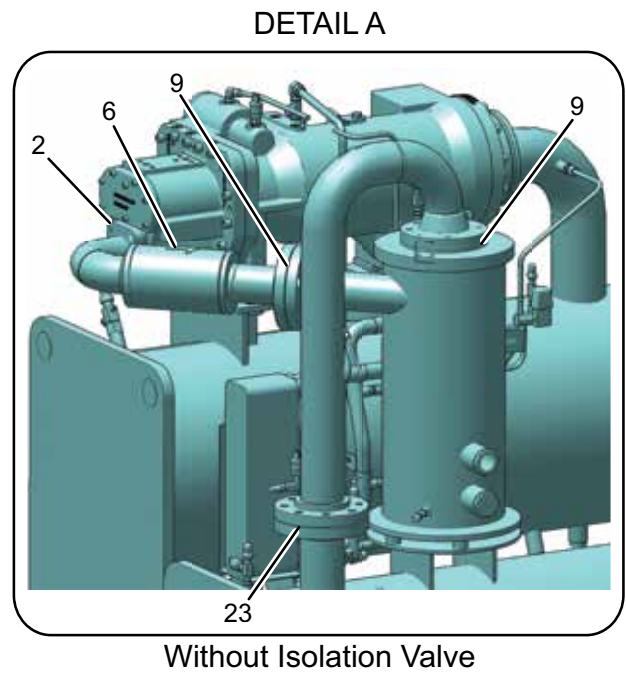
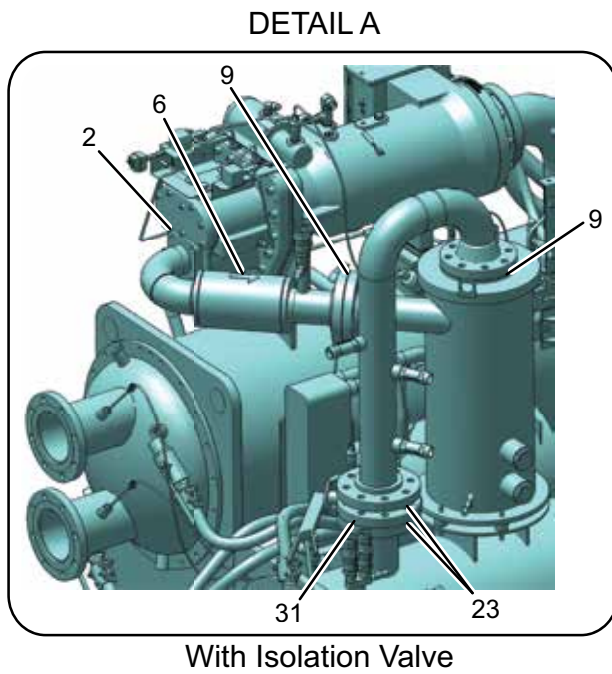
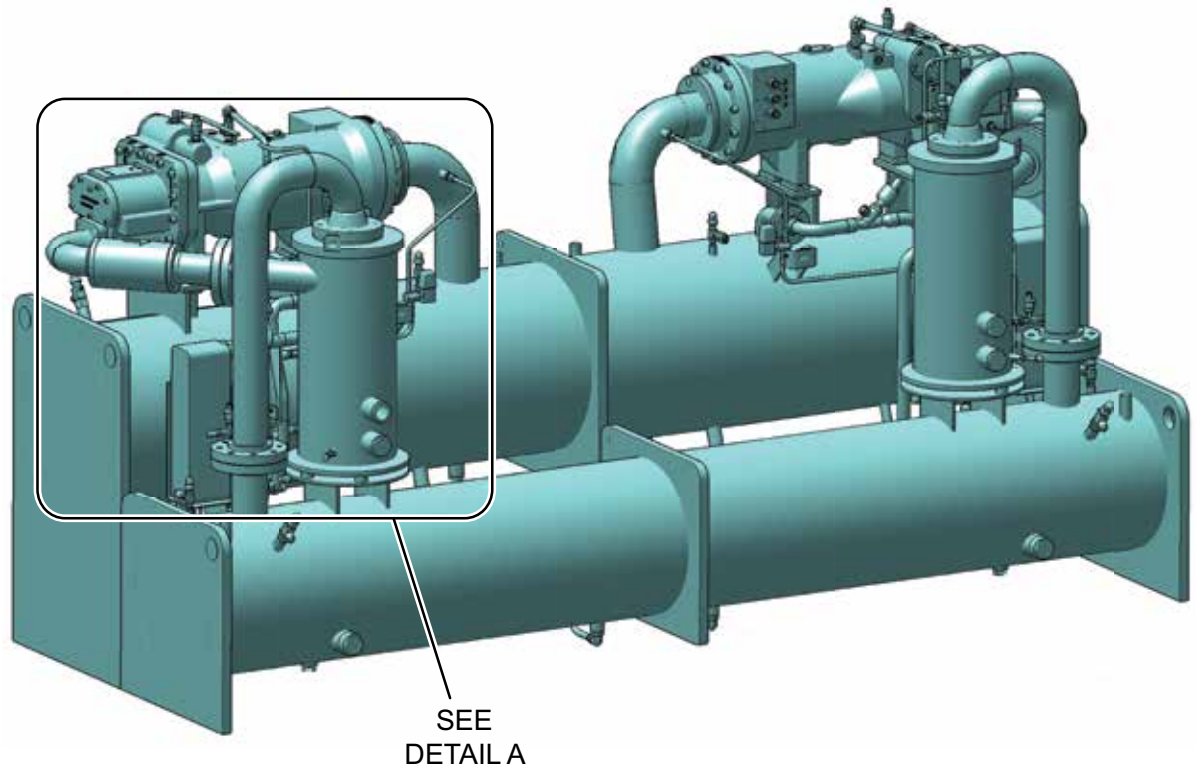
**TABLE 7 - UNIT STEEL PIPING FOR DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
2	Gasket Flange 3.625 ID 5.75Bc	028-15296-000	636248	2	13
6	MUFFLER WTS136 WTS145	392-02730-000	709140	2	13
9	Gasket, Round ANSI 3.50-300#	028-15075-058	709741	4	13
23	Gasket, Round ANSI 4.00-300#	028-15075-059	710158	2	13
24	Stop Valve Danfoss	022-12241-000	724614	2	12
27	Filter Housing Fia 40A Ang	022-10957-015	165614	2	12
28	Filter Element 100Mesh	022-10353-000	106994	2	12
29	Gasket, Filter Housing	028-16689-000	846742	2	12
31	Valve, Butterfly 4"	022-08874-000	116022	2	13

**NOTE:** Items with an \* are NOT represented.



**FIGURE 12 - UNIT STEEL PIPING FOR DUAL SYSTEMS**



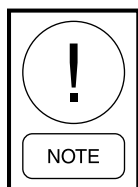
LD16158

**FIGURE 13 - UNIT STEEL PIPING FOR DUAL SYSTEMS**

**TABLE 8 - COMPRESSOR**

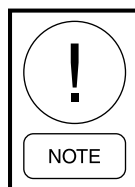
ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
-	Compressor, Screw Standard 3.2VI (136mm) CTS36S	364-50821-400	681338	-	14
	Compressor, Screw Optimized 3.2 VI (136mm) CTS36D	364-50821-401	770882		
	Compressor, Screw Standard 3.2VI (136mm) CTS36S	364-50821-460	770885		
	Compressor, Screw Optimized 3.2VI (136mm) CTS36D	364-50821-461	770886		
	Compressor, Screw (136mm) 2.3VI WTS36S	364-52925-400	671003		
	Compressor, Screw (136mm) 2.3VI WTS36S	364-52925-460	837792		
-	Compressor, Screw (145mm) Standard 3.2VI CTS45S	364-50822-400	693651	-	14
	Compressor, Screw (145mm) Standard 3.2VI CTS45S	364-50822-460	770892		
	Compressor, Screw (145mm) Optimized 3.2VI CTS45D	364-50822-401	770889		
	Compressor, Screw (145mm) Optimized 3.2VI CTS45D	364-50822-461	770893		
	Compressor, Screw (145mm) 2.3VI WTS45S	364-52926-400	671004		
	Compressor, Screw (145mm) 2.3VI WTS45S	364-52926-460	837793		
-	Compressor, Screw (151mm) Standard 3.2VI CTS51S	364-51906-400	706468	-	14
	Compressor, Screw (151mm) Standard 3.2VI CTS51S	364-51906-460	770937		
	Compressor, Screw (151mm) Optimized 3.2VI CTS51D	364-51906-401	770936		
	Compressor, Screw (151mm) Optimized 3.2VI CTS51D	364-51906-461	770938		
	Compressor, Screw (151mm) 2.3VI WTS51S	364-52927-400	710201		
	Compressor, Screw (151mm) 2.3VI WTS51S	364-52927-460	837794		
2	Nut, Hex Thick 7/16-20, ANSI	021-19102-000	48413	6	14
3	Bolt, Terminal	021-19104-000	48782	3	14
7	Washer, ANSI ANSI 7/16-Narrow	021-19117-000	48429	3	14
9	Lock,Washer ASME 7/16 Regular Carbon	021-19619-000	48356	3	14
15	Valve, Access 7/16"	022-09715-000	62505	1	14
20	Insulator, Bottom Terminal	025-33200-000	48836	3	14
21	Insulator, Top Terminal	025-33201-000	1373	3	14
22	Thermistor, 7/16-20 UNF-2a (supplied with O-ring)	025-33202-000	1374	4	14
23	Strainer, Suction 4" (136)	026-35600-100	683900	1	*
	Strainer, Suction 5" (145)	026-35600-300	-		
	Strainer, Suction 5" (151)	026-46664-000	-		
24	Element, Oil Filter	026-35601-000	1486	1	14
25	O-ring, 2-152	028-13849-000	1567	1	14
31	Seal ,Terminal	028-13946-000	4107	3	14
35	Gasket, 4" ANSI Flange (136)	028-15133-101	-	1	14
	Gasket, 5" ANSI Flange (145)	028-15133-103			
	Gasket, 5" ANSI Flange (151)	028-15133-103			

**NOTE:** Items with an \* are NOT represented.



**Compressors are not to be rebuilt in the field, they are required to be replaced as an assembly.**

**Refer to the Compressor Data Plate to verify the specific compressor model.**



**For Compressor Heaters see TABLE 25.**

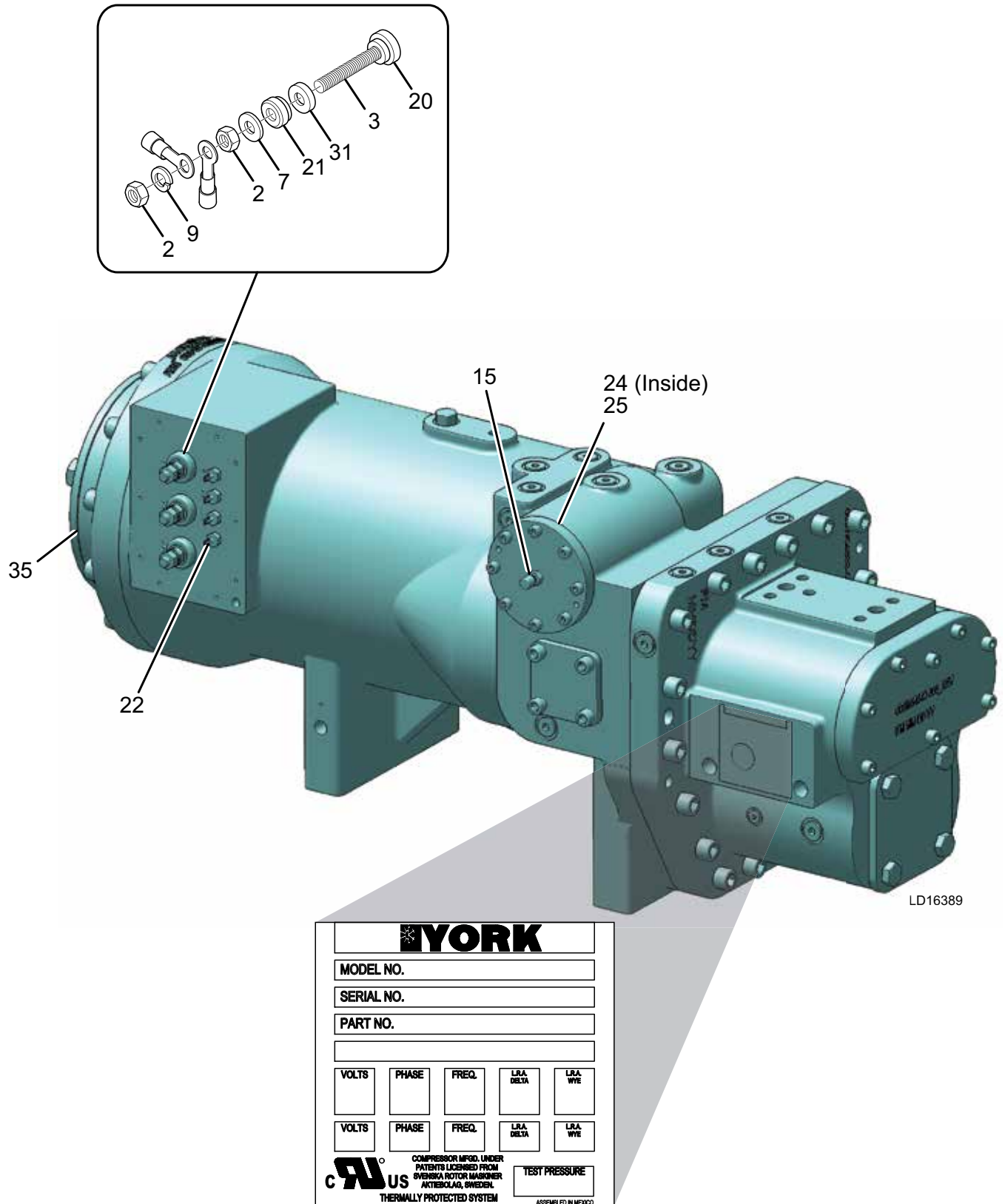
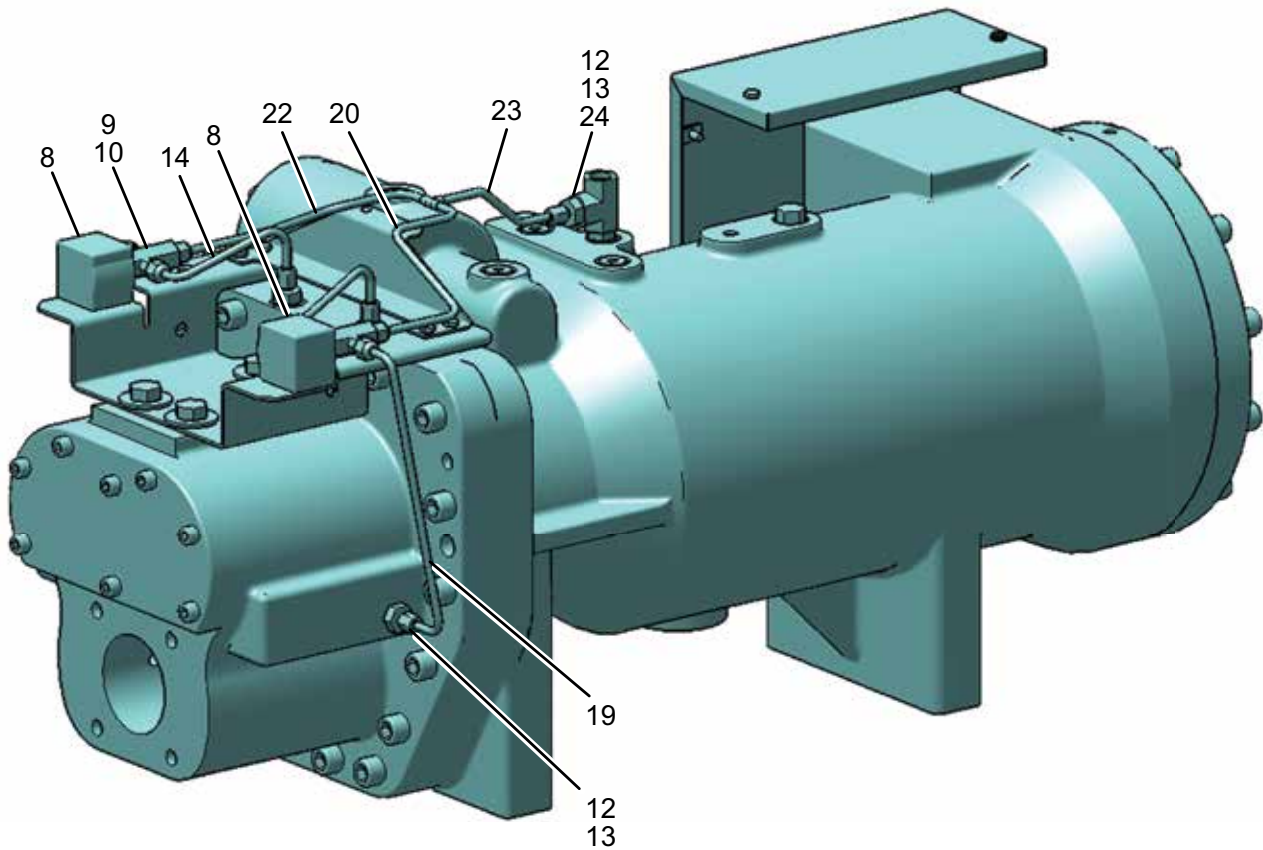
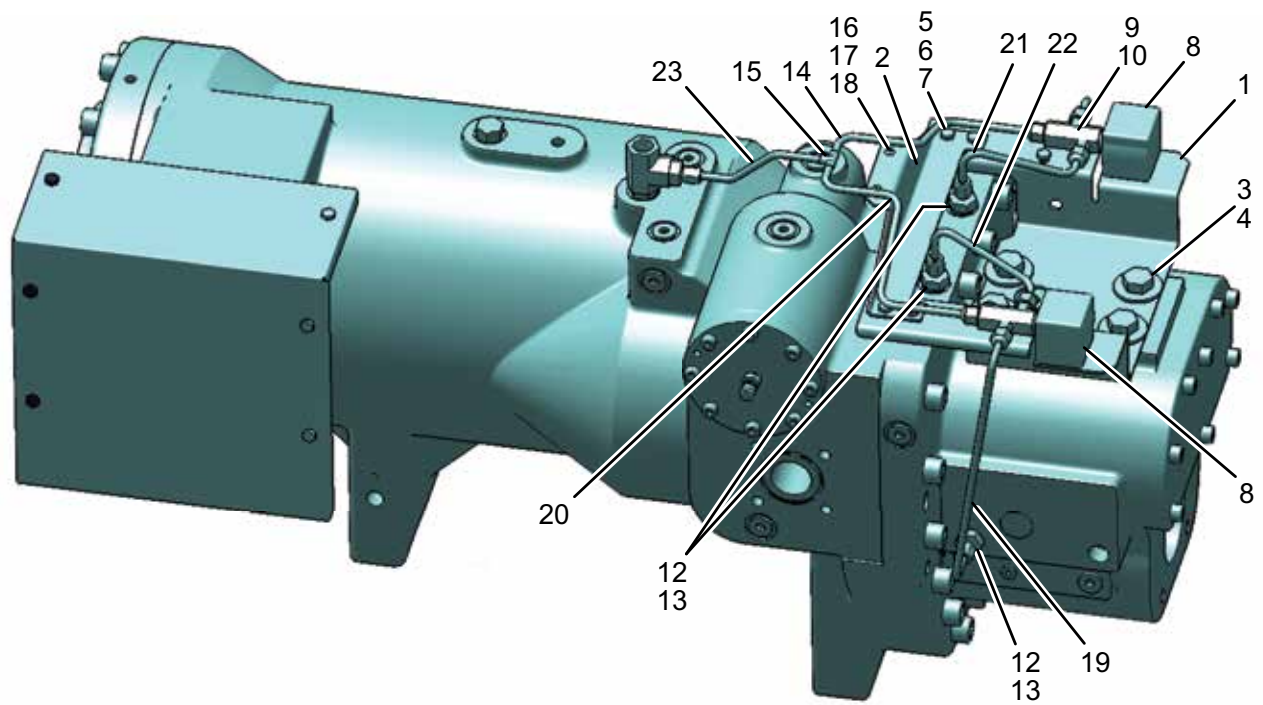


FIGURE 14 - COMPRESSOR

**TABLE 9 - COMPRESSOR STEP VI PIPING**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
1	Bracket, Piping Step VI	075-93335-000	648507	2	15
2	Bracket, Piping Step VI	075-93335-001	648508	2	15
3	Screw, Cap Hex Hd 16 X 2.6G	021-19179-000	730391	8	15
4	Washer, Plain 11/16 ID X 1-3/4	021-16142-000	729906	8	15
5	Hhcs, 0.250-20 X 0.750 Gr 5 Emp	021-19313-012	730445	12	15
6	Washer, Plain .265 ID X 1/2 OD	021-10189-000	156429	12	15
7	Nut, Self Lock Hex 1/4-20UNC-2B	021-31953-000	730782	12	15
8	Valve, Solenoid Din Coil	025-35151-000	739141	4	15
9	Valve, 180, Solenoid	025-43901-000	648515	4	15
10	Nut, Fla Short Forged 45	021-05661-000	147571	12	15
11	Clamp, Tube 7/8 OD With	021-11452-000	648520	2	*
12	Fitting, 37 Deg. Flared Tube	023-25192-000	648516	10	15
13	O-Ring, Neo1 00.644ID .087Thk	028-12961-004	588819	12	15
14	Tube, Step VI (1/4" OD x 0.049 wall)	075-94028-007	648514	2	15
	Tube, Copper 1/4" OD x 0.049 wall	007-02085-000	728167	20'	*
15	Tee, Sld C X C X C 1/4	023-04606-000	371718	2	15
16	Clamp, Tube 1/4 OD With	021-13066-000	148499	4	15
17	Screw, Mach Pan Hd Recd 1	021-01719-000	729378	4	15
18	Nut, Self Lock Hex #8-32UNC-2B	021-33161-000	648519	4	15
19	Tube, Step VI (SST 1/4" OD x 0.049 wall)	075-94028-001	648509	4	15
	Tube, SST 1/4" OD x 0.049 wall	003-02412-000	727790	8-12'	*
20	Tube, Step VI (1/4" OD x 0.049 wall)	075-94028-005	648512	2	15
	Tube, Copper 1/4" OD x 0.049 wall	007-02085-000	728167	20'	*
20	Tube, Step VI (1/4" OD x 0.049 wall)	075-94028-006	648513	2	15
	Tube, Copper 1/4" OD x 0.049 wall	007-02085-000	728167	20'	*
22	Tube, Step VI (1/4" OD x 0.049 wall)	075-94028-003	648510	2	15
	Tube, Copper 1/4" OD x 0.049 wall	007-02085-000	728167	20'	*
23	Copper, Tube Step VI (136) (1/4" OD x 0.049 wall)	075-94028-505	830619	2	15
	Tube, Copper 1/4" OD x 0.049 wall	007-02085-000	728167	20'	*
23	Copper, Tube Step VI (145) (1/4" OD x 0.049 wall)	075-94028-506	830620	2	15
	Tube, Copper 1/4" OD x 0.049 wall	007-02085-000	728167	20'	*
24	Tee, Unf(F) 0.750In Unf(F) 0.750In Unf(M)	023-25549-000	827494	2	15

**NOTE:** Items with an \* are NOT represented.



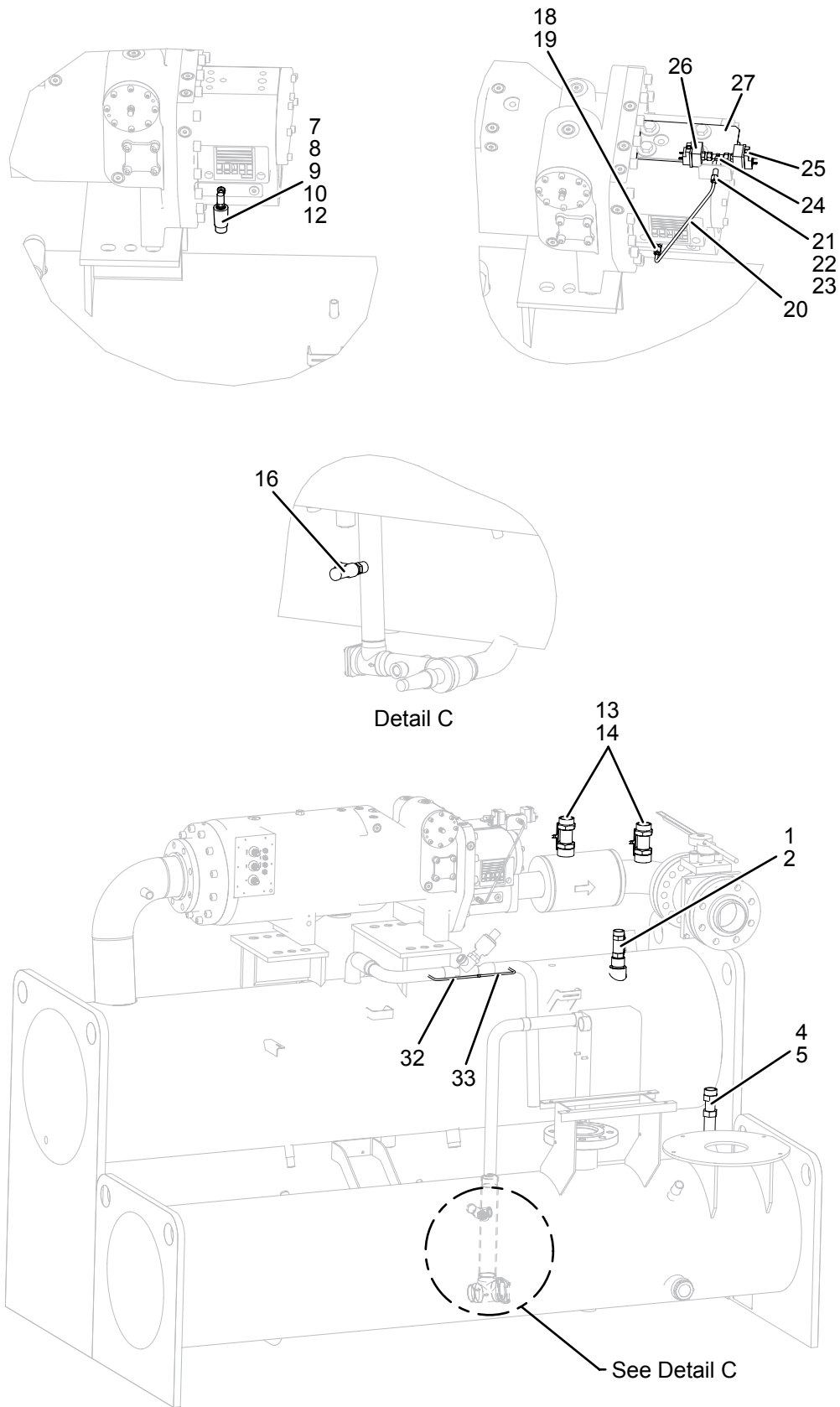
LD16361

**FIGURE 15 - COMPRESSOR STEP VI PIPING**

**TABLE 10 - RELIEF VALVES SINGLE CIRCUIT**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
1	Valve, Relief 1-5/16 -12Un-2A	022-10078-000	4102	2	16
2	O-Ring Neo1 00.989Id .070Thk M (GB)	028-12961-018	588824	3	16
	O-Ring Neo1 01.171Id .116Thk M (ASME/PED)	028-12961-008	588822		
3	Valve, Stop 3 Way 1-5/16	022-10073-000	4103	1	*
4	Valve, Relief 7/8 -14Unf-2A (GB High Pressure)	022-11011-000	717621	2	16
	Valve, Relief 7/8 -14Unf-2A (GB Low Pressure)	022-12109-000	717624		
	Valve, Relief 1-5/16 -12Un-2A (ASME/PED)	022-10078-000	4102		
5	O-Ring Neo1 00.755Id .097Thk M (GB)	028-12961-005	588820	3	16
	O-Ring Neo1 01.171Id .116Thk M (ASME/PED)	028-12961-008	588822		
6	Valve, Stop 3 Way 7/8-14Unf-2A (GB)	022-10072-000	48292	1	16
	Valve, Stop 3 Way 1-5/16 (ASME/PED)	022-10073-000	4103		
7	O-Ring Neo1 00.351Id .072Thk M	028-12961-001	588817	1	16
8	EII 90 Deg 3/16Od Tube 7/16X3/8	023-25808-000	961160	1	16
9	O-Ring Neo1 00.301Id .064Thk M	028-12961-021	588826	1	16
10	High Pressure Cutout	025-35932-000	1397	1	16
11	Harness HPCO Gb&UI	592-07172-055	836141	1	*
12	Connector, Male Din 43850	025-40232-000	144690	1	16
13	Safety Valve 26.8Bar Thd Br	022-12362-000	990003	2	16
14	O-Ring Neo1 01.475Id .118Thk M	028-12961-017	618653	2	16
15	Valve, Stop 3 Way 1-5/8	022-10074-000	4104	2	*
16	Safety Valve 26.8Bar Od 12.7Mm / 1/2In	022-12363-000	990004	1	16
17	Valve Check Stop Od 12.7Mm / 1/2In Thd	022-12364-000	990005	1	*
18	O-Ring Neo1 00.351Id .072Thk M	028-12961-001	588817	1	16
19	Fitting, 37 Deg. Flared Tube	023-25414-000	699734	1	16
20	Tube Hpco Cutout	092-10676-000	990009	1	16
21	Bulkhead, 37 Deg. Flared Tube	023-25415-000	734207	1	16
22	Nut Flare Hydraulic 1/4 Od	023-09670-000	146787	1	16
23	Sleeve Flare Hydraulic 1/4 Od	023-10000-000	146748	1	16
24	Tee 1/4 X 1/4 Ext Fla X	023-00972-000	371710	1	16
25	Manual Reset High Pressure	025-44464-000	678497	1	16
	Pressostat To 48.00Bar Fla No Nz (PED Low Pressure)	025-46343-000	1055114		
26	High Press Sw 1/4" Female Flare	025-44981-000	818638	1	16
	Pressostat To 48.00Bar Fla No Nz (PED Low Pressure)	025-46344-000	1055115		
27	Bracket Press Switch Mtg	092-10670-000	961171	1	16
30	Harness Sys1 HPCO1 CE	592-00580-224	818634	1	*
31	Harness Sys1 HPCO2 CE	592-00580-225	818635	1	*
32	Capillary Bypass Tube 1	092-06474-001	917053	1	16
33	Capillary Bypass Tube 2	092-06474-002	917054	1	16

**NOTE:** Items with an \* are NOT represented.



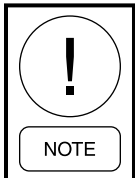
LD17784

**FIGURE 16 - RELIEF VALVES SINGLE CIRCUIT**

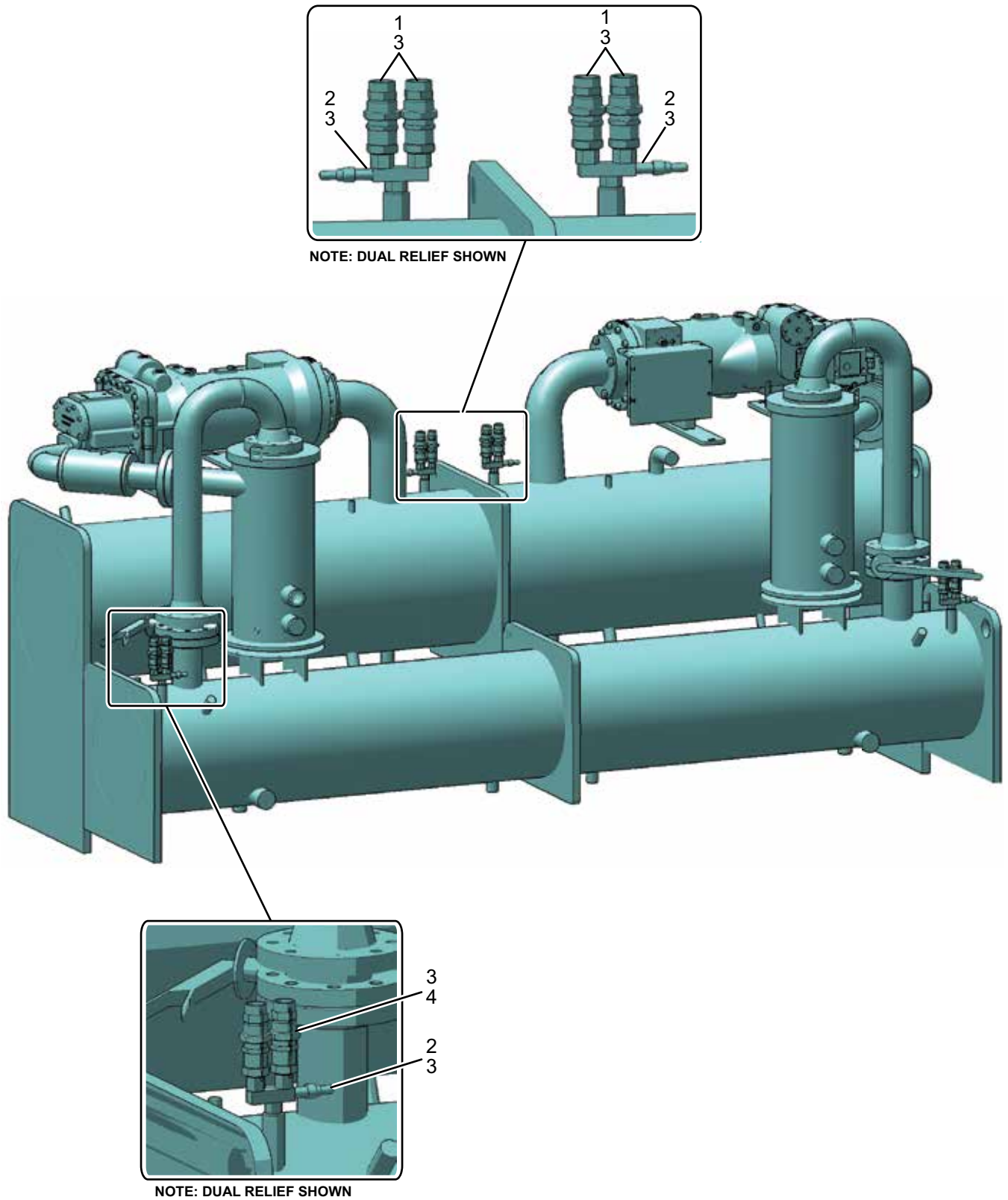
**TABLE 11 - RELIEF VALVES DUAL CIRCUIT**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
1	Valve, Relief 7/8 -14UNF-2A (GB)	022-11011-000	717621	4	17
	Inline Pressure Relief Valve	022-12236-000	822269		
2	Valve, Stop 3 Way 7/8-14UNF-2A	022-10072-000	48292	4	17,20
3	O-Ring, Neo1 00.755ID .097Thk M	028-12961-005	588820	12	17,20
4	Valve, Relief 7/8 -14UNF-2A (GB)	022-12109-000	717624	4	17,20
	Inline Pressure Relief Valve	022-12235-000	822268		17
5	O-Ring, Neo1 00.351ID .072Thk	028-12961-001	588817	2	18,20
6	Conn, 7/16-20Unf-2A3/8-24Unf-2B	023-25451-000	734216	2	18,20
7	O-Ring, Neo1 00.301ID .064Thk	028-12961-021	588826	2	18,20
8	Pressure, Switch Fixed 2.4Mpa	025-39751-271	705231	2	18,20
9	O-Ring, Neo1 00.351ID .072Thk	028-12961-001	588817	2	19
10	Fitting, 37° Flared Tube (CE)	023-25414-000	699734	2	19
11	Tube, Capillary (CE)	092-06474-000	84338	2	18,19
12	High, Press SW1/4" Female Flare (CE)	025-44981-000	818638	2	19
	High, Press SW1/4" Female Flare (CE w/ Iso)	-	822275		
13	Manual, Reset High Pressure (CE/PED)	025-44464-000	678497	2	19
14	O-Ring, Neo1 00.924ID .116Thk	028-12961-006	588821	2	*
16	Harness, Sys1 HPCO	592-00580-212	683104	1	18,20
17	Harness, Sys2 HPCO	592-00580-213	683105	1	18,20
18	Connector, Male Din 43850	025-40232-000	144690	2	18,20
19	Harness, Sys1 HPCO1 (CE/PED)	592-00580-224	818634	1	*
	Harness, Sys1 HPCO1 (Ce w/ Iso)	-	822283		
20	Harness, Sys1 HPCO2 (CE/PED)	592-00580-225	818635	1	*
	Harness, Sys1 HPCO2 (Ce w/ Iso)	-	822284		
21	Harness, Sys2 HPCO1 (CE/PED)	592-00580-226	818636	1	*
	Harness, Sys2 HPCO1 (Ce w/ Iso)	-	822285		
22	Harness, Sys2 HPCO2 (CE/PED)	592-00580-227	818637	1	*
	Harness, Sys2 HPCO2 (CE w/ Iso)	-	822286		
23	O-Ring, Neo1 01.171ID .116Thk	028-12961-008	588822	2	18,19
24	Valve, Relief 1-5/16 -12Un-2A	022-12239-000	822272	2	18,19
25	Valve, Stop 3 Way 1-5/16 (CE w/ Iso)	022-10073-000	4103	2	18,19
26	Bracket, Press Switch Mtg	075-94076-000	678208	2	19
27	Screw, Cap Hex Hd 16 X 2.6G	021-19179-000	730391	8	19
28	Washer, Plain 11/16 ID X 1-3/4	021-16142-000	729906	8	19
29	Bulkhead, 37° Flared Tube	023-25415-000	734207	2	19
30	Nut, Flare Hydraulic 1/4 OD	023-09670-000	146787	2	19
31	Sleeve, Steel Braze 1/4 OD	023-19088-000	61329	2	19
32	Tee, 1/4 X 1/4 Ext Fla X	023-00972-000	371710	2	19
33	Tube, HPCO Cutout	075-94078-100	843337	2	19

**NOTE:** Items with an \* are NOT represented.



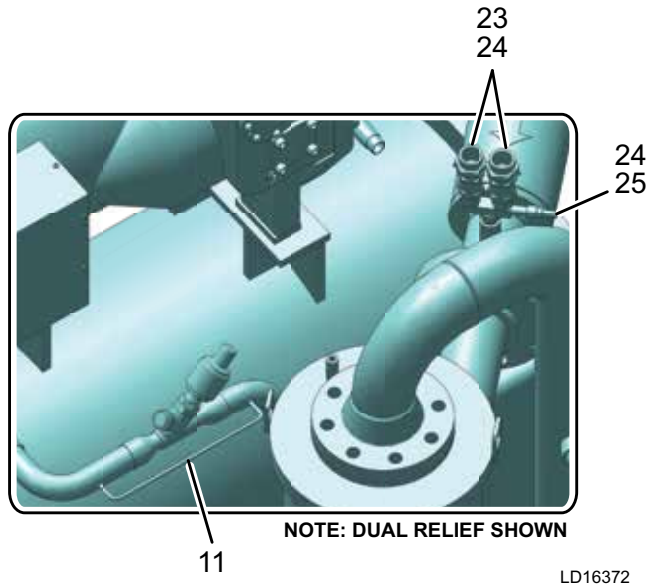
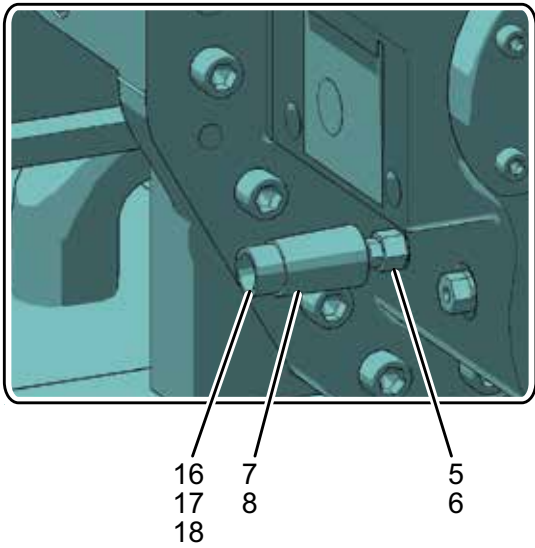
*See PIN structure (PIN 50) for the specific regional vessel codes.*



LD16334

**FIGURE 17 - RELIEF VALVES DUAL CIRCUIT**

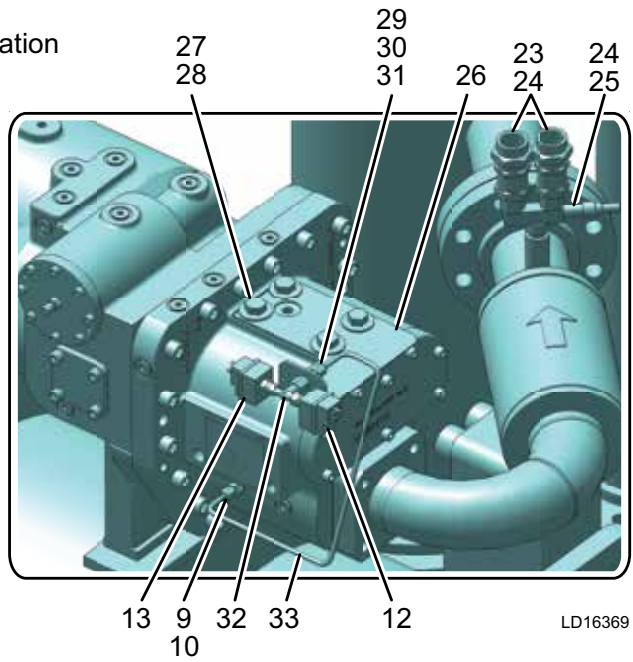
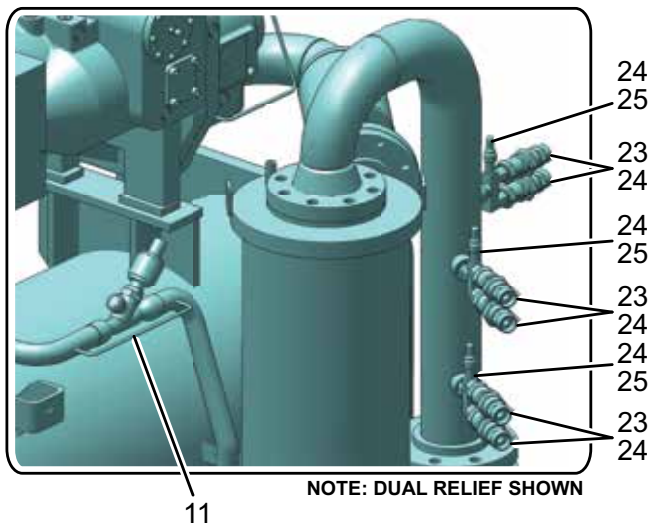
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LD16372

FIGURE 18 - RELIEF VALVES DUAL CIRCUIT

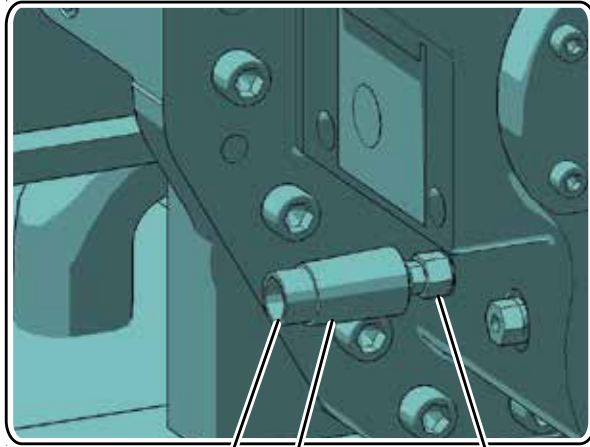
PED  
 CE with Isolation



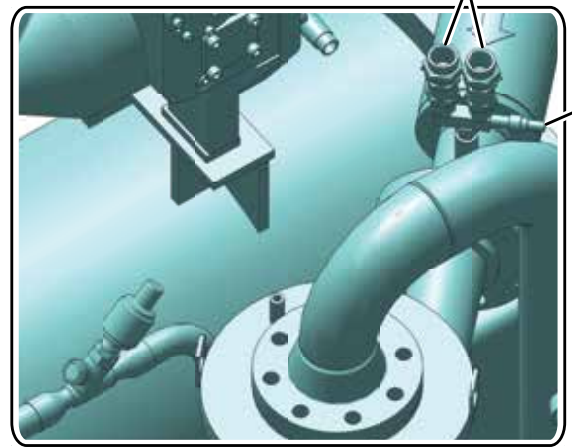
LD16369

FIGURE 19 - RELIEF VALVES DUAL CIRCUIT

GB  
CE without Isolation



16 7 5  
17 8 6  
18



NOTE: DUAL RELIEF SHOWN

LD16368

**FIGURE 20 - RELIEF VALVES DUAL CIRCUIT**

**TABLE 12 - CONDENSER WATERBOX GASKETS**

**1 PASS - 150PSIG**

PIN 74	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (CUN)	FIGURE
A / H	Gasket Channel 50 Durometer	028-09951-*	3802	11 ft.	21

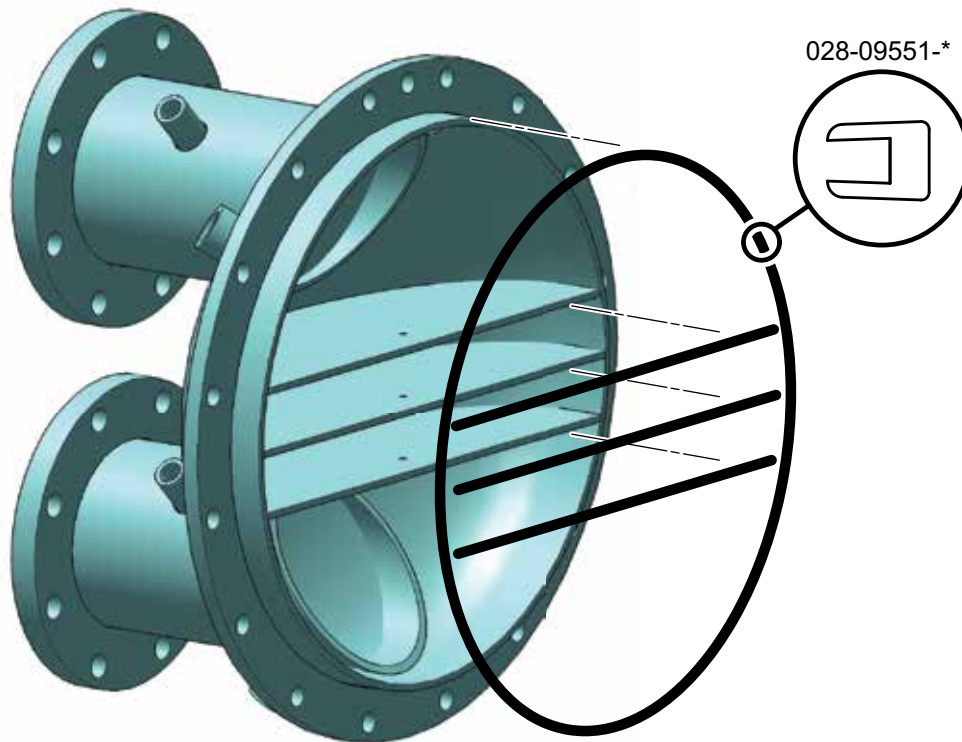
**2 PASS - 150PSIG**

PIN 74	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (CUN)	FIGURE
C / K	Gasket Channel 50 Durometer	028-09951-*	3802	12 ft.	21

**3 PASS - 150PSIG**

PIN 74	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (CUN)	FIGURE
G / P	Gasket Channel 50 Durometer	028-09951-*	3802	14 ft.	21

\* Specify length required by replacing the -000 with either -025 for 25 feet, -050 for 50 feet or -100 for 100 feet.



LD16155

**FIGURE 21 - CONDENSER WATERBOX GASKET**

**TABLE 13 - EVAPORATOR WATERBOX GASKETS**

**1 PASS - 150PSIG**

PIN 61	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (CUN)	FIGURE
A / H	Gasket Channel 50 Durometer	028-09951-*	3802	12.5 ft.	22

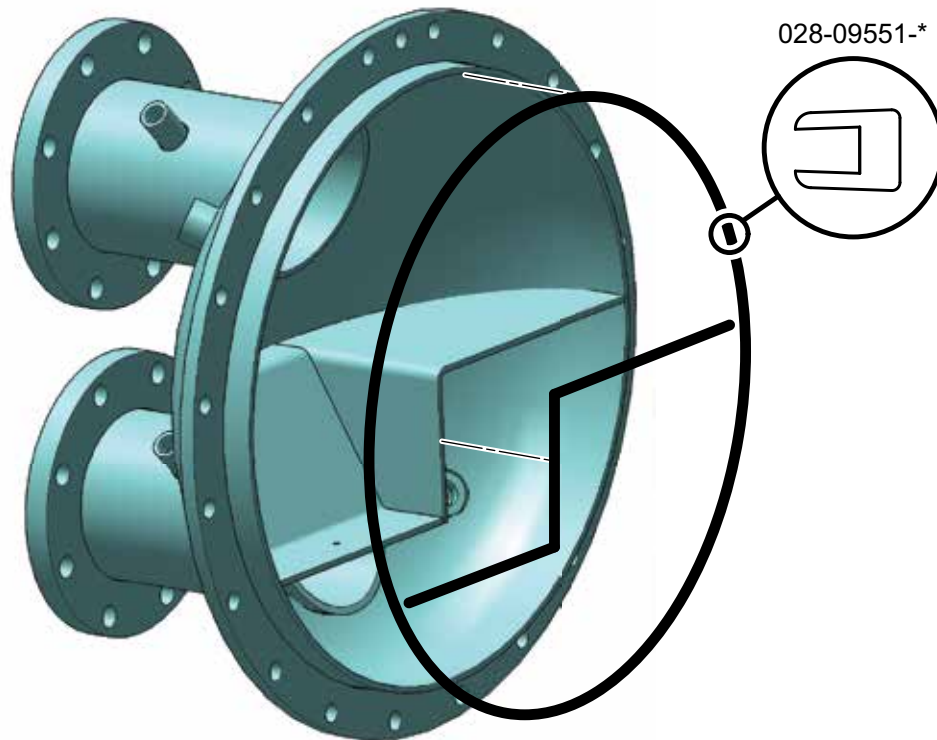
**2 PASS - 150PSIG**

PIN 61	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (CUN)	FIGURE
C / K	Gasket Channel 50 Durometer	028-09951-*	3802	14.5 ft.	22

**3 PASS - 150PSIG**

PIN 61	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (CUN)	FIGURE
G / P	Gasket Channel 50 Durometer	028-09951-*	3802	16.5 ft.	22

\* Specify length required by replacing the -000 with either -025 for 25 feet, -050 for 50 feet or -100 for 100 feet.



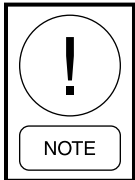
LD16156

**FIGURE 22 - EVAPORATOR WATERBOX GASKET**

**TABLE 14 - CONDENSER TUBES (GB)**

CONDENSER CODE (PIN 7,8)	TUBE QUANTITY (Cond/ Sub-cooler)	3/4" COPPER			3/4" COPPER NICKEL		
		0.025	0.028	0.035	0.025	0.028	0.035
		MT #260	MT #261	MT #262	MT #162	MT #201	MT #203
<b>BB</b>	140	007W10588Y005 (679442)	007W10588Y823 (999241)	007W10588Y826 (999238)	007W10512Y801 (999235)	007W10945Y805 (999247)	007W10945Y808 (999244)
<b>BC</b>	160	007W10588Y005 (679442)	007W10588Y823 (999241)	007W10588Y826 (999238)	007W10512Y801 (999235)	007W10945Y805 (999247)	007W10945Y808 (999244)
<b>BD</b>	175	007W10588Y005 (679442)	007W10588Y823 (999241)	007W10588Y826 (999238)	007W10512Y801 (999235)	007W10945Y805 (999247)	007W10945Y808 (999244)
<b>CB</b>	140	007W10588Y006 (679443)	007W10588Y824 (999240)	007W10588Y827 (999237)	007W10512Y802 (999234)	007W10945Y806 (999246)	007W10945Y809 (999243)
<b>CC</b>	160	007W10588Y006 (679443)	007W10588Y824 (999240)	007W10588Y827 (999237)	007W10512Y802 (999234)	007W10945Y806 (999246)	007W10945Y809 (999243)
<b>CD</b>	175	007W10588Y006 (679443)	007W10588Y824 (999240)	007W10588Y827 (999237)	007W10512Y802 (999234)	007W10945Y806 (999246)	007W10945Y809 (999243)
<b>DB</b>	140	007W10588Y007 (679444)	007W10588Y825 (999239)	007W10588Y828 (999236)	007W10512Y803 (999233)	007W10945Y807 (999245)	007W10945Y810 (999242)
<b>DC</b>	160	007W10588Y007 (679444)	007W10588Y825 (999239)	007W10588Y828 (999236)	007W10512Y803 (999233)	007W10945Y807 (999245)	007W10945Y810 (999242)
<b>DD</b>	175	007W10588Y007 (679444)	007W10588Y825 (999239)	007W10588Y828 (999236)	007W10512Y803 (999233)	007W10945Y807 (999245)	007W10945Y810 (999242)

**NOTE:** YORK part number is identified by using xxx-xxxx-xxx, the SAP part number is identified within the parenthesis.



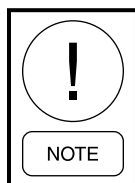
*When replacing tubes, refer to the PIN structure (PIN50) to identify the vessel specific codes.*

*See PIN structure (PIN 7, 8) and (PINs 67-69) to identify the specific condenser tubes.*

**TABLE 15 - CONDENSER TUBES (ASME/PED)**

CONDENSER CODE (PIN 7,8)	TUBE QUANTITY (COND/ SUB-COOLER)	3/4" COPPER			3/4" COPPER NICKEL		3/4" TITANIUM
		0.025	0.028	0.035	0.028	0.035	0.025
		MT #260	MT #261	MT #262	MT #201	MT #203	MT #2162
CD	175	007-10589-006 (728518)	007-10589-024 (1035846)	007-10589-027 (1035849)	007-10495-006 (1035827)	007-10495-009 (1035830)	007-10513-002 (1035843)
DB	140	007-10589-007 (728519)	007-10589-025 (1035847)	007-10589-028 (1035850)	007-10495-007 (1035828)	007-10495-010 (1035841)	007-10513-003 (1035844)
DC	160	007-10589-007 (728519)	007-10589-025 (1035847)	007-10589-028 (1035850)	007-10495-007 (1035828)	007-10495-010 (1035841)	007-10513-003 (1035844)
DD	175	007-10589-007 (728519)	007-10589-025 (1035847)	007-10589-028 (1035850)	007-10495-007 (1035828)	007-10495-010 (1035841)	007-10513-003 (1035844)
MB	162	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-026 (1035848)	007-10495-001 (1035824)	007-10495-003 (986543)	n/a
MC	191	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-026 (1035848)	007-10495-001 (1035824)	007-10495-003 (986543)	n/a
MD	211	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-026 (1035848)	007-10495-001 (1035824)	007-10495-003 (986543)	n/a
ME	248	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-027 (1035849)	007-10495-002 (1035825)	007-10495-003 (986543)	n/a
NB	162	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-027 (1035849)	007-10495-002 (1035825)	007-10495-004 (986544)	n/a
NC	191	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-027 (1035849)	007-10495-002 (1035825)	007-10495-004 (986544)	n/a
ND	211	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-028 (1035850)	007-10495-002 (1035825)	007-10495-004 (986544)	n/a
NE	248	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-028 (1035850)	007-10495-002 (1035825)	007-10495-004 (986544)	n/a

**NOTE:** YORK part number is identified by using xxx-xxxx-xxx, the SAP part number is identified within the parenthesis.



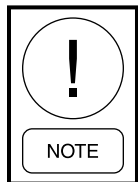
*When replacing tubes, refer to the PIN structure (PIN50) to identify the vessel specific codes.*

*See PIN structure (PIN 7, 8) and (PINs 67-69) to identify the specific condenser tubes.*

**TABLE 15 (CONT'D) - CONDENSER TUBES (ASME/PED)**

CONDENSER CODE (PIN 7,8)	TUBE QUANTITY (COND/ SUB-COOLER)	1" COPPER		
		0.025	0.028	0.035
		MT #266	MT #267	MT #268
M2	72	007-10589-003 (728515)	007-10589-017 (986547)	007-10589-021 (898062)
	18	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-019 (898063)
M3	90	007-10589-003 (728515)	007-10589-017 (986547)	007-10589-021 (898062)
	18	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-019 (898063)
M4	107	007-10589-003 (728515)	007-10589-017 (986547)	007-10589-021 (898062)
	18	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-019 (898063)
M5	123	007-10589-003 (728515)	007-10589-017 (986547)	007-10589-021 (898062)
	18	007-10589-001 (728513)	007-10589-015 (986545)	007-10589-019 (898063)
N2	72	007-10589-004 (728516)	007-10589-018 (986548)	007-10589-022 (986550)
	18	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-020 (986549)
N3	90	007-10589-004 (728516)	007-10589-018 (986548)	007-10589-022 (986550)
	18	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-020 (986549)
N4	107	007-10589-004 (728516)	007-10589-018 (986548)	007-10589-022 (986550)
	18	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-020 (986549)
N5	123	007-10589-004 (728516)	007-10589-018 (986548)	007-10589-022 (986550)
	18	007-10589-002 (728514)	007-10589-016 (986546)	007-10589-020 (986549)

**NOTE:** YORK part number is identified by using xxx-xxxx-xxx, the SAP part number is identified within the parenthesis.



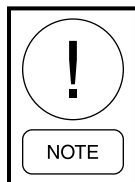
*When replacing tubes, refer to the PIN structure (PIN50) to identify the vessel specific codes.*

*See PIN structure (PIN 7, 8) and (PINs 67-69) to identify the specific condenser tubes.*

**TABLE 16 - EVAPORATOR TUBES (GB)**

EVAPORATOR CODE (PIN 5,6)	TUBE QUANTITY	3/4"			1"		
		0.025	0.028	0.035	0.025	0.028	0.035
		MT #321	MT #322	MT # 323	MT #326	MT #327	MT #328
<b>BB</b>	120	007W10595Y005 (679240)	007W10595Y823 (999214)	007W10595Y826 (999211)	-	-	-
<b>BC</b>	140	007W10595Y005 (679240)	007W10595Y823 (999214)	007W10595Y826 (999211)	-	-	-
<b>BD</b>	161	007W10595Y005 (679240)	007W10595Y823 (999214)	007W10595Y826 (999211)	-	-	-
<b>CB</b>	120	007W10595Y006 (679241)	007W10595Y824 (999213)	007W10595Y827 (999200)	-	-	-
<b>CC</b>	140	007W10595Y006 (679241)	007W10595Y824 (999213)	007W10595Y827 (999200)	-	-	-
<b>CD</b>	161	007W10595Y006 (679241)	007W10595Y824 (999213)	007W10595Y827 (999200)	-	-	-
<b>DB</b>	120	007W10595Y007 (679242)	007W10595Y825 (999212)	007W10595Y828 (999199)	-	-	-
<b>DC</b>	140	007W10595Y007 (679242)	007W10595Y825 (999212)	007W10595Y828 (999199)	-	-	-
<b>DD</b>	161	007W10595Y007 (679242)	007W10595Y825 (999212)	007W10595Y828 (999199)	-	-	-

**NOTE:** YORK part number is identified by using xxx-xxxxx-xxx, the SAP part number is identified within the parenthesis.



*When replacing tubes, refer to the PIN structure (PIN50) to identify the vessel specific codes.*

*See PIN structure (PIN 5, 6) and (PINs 54-56) to identify the specific evaporator tubes.*

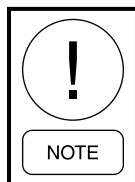
**TABLE 17 - EVAPORATOR TUBES (ASME/PED)**

EVAPORATOR CODE (PIN 5,6)	TUBE QUANTITY	3/4"			1"		
		0.025	0.028	0.035	0.025	0.028	0.035
		MT #321	MT #322	MT #323	MT #326	MT #327	MT #328
<b>BB</b>	120	007-10592-005 (728524)	007-10592-023 (1035851)	007-10592-026 (1035854)	N/A	N/A	N/A
<b>BC</b>	140	007-10592-005 (728524)	007-10592-023 (1035851)	007-10592-026 (1035854)	N/A	N/A	N/A
<b>BD</b>	161	007-10592-005 (728524)	007-10592-023 (1035851)	007-10592-026 (1035854)	N/A	N/A	N/A
<b>CB</b>	120	007-10592-006 (728525)	007-10592-024 (1035852)	007-10592-027 (1035855)	N/A	N/A	N/A
<b>CC</b>	140	007-10592-006 (728525)	007-10592-024 (1035852)	007-10592-027 (1035855)	N/A	N/A	N/A
<b>CD</b>	161	007-10592-006 (728525)	007-10592-024 (1035852)	007-10592-027 (1035855)	N/A	N/A	N/A
<b>DB</b>	120	007-10592-007 (728526)	007-10592-025 (1035853)	007-10592-028 (1035856)	N/A	N/A	N/A
<b>DC</b>	140	007-10592-007 (728526)	007-10592-025 (1035853)	007-10592-028 (1035856)	N/A	N/A	N/A
<b>DD</b>	161	007-10592-007 (728526)	007-10592-025 (1035853)	007-10592-028 (1035856)	N/A	N/A	N/A
<b>MB</b>	160	007-10592-001 (728522)	007-10592-015 (919472)	007-10592-019 (986554)	N/A	N/A	N/A
<b>MC</b>	200	007-10592-001 (728522)	007-10592-015 (919472)	007-10592-019 (986554)	N/A	N/A	N/A
<b>MD</b>	230	007-10592-001 (728522)	007-10592-015 (919472)	007-10592-019 (986554)	N/A	N/A	N/A
<b>ME</b>	260	007-10592-001 (728522)	007-10592-015 (919472)	007-10592-019 (986554)	N/A	N/A	N/A
<b>NB</b>	160	007-10592-002 (728523)	007-10592-016 (986551)	007-10592-020 (986555)	N/A	N/A	N/A
<b>NC</b>	200	007-10592-002 (728523)	007-10592-016 (986551)	007-10592-020 (986555)	N/A	N/A	N/A
<b>ND</b>	230	007-10592-002 (728523)	007-10592-016 (986551)	007-10592-020 (986555)	N/A	N/A	N/A
<b>NE</b>	260	007-10592-002 (728523)	007-10592-016 (986551)	007-10592-020 (986555)	N/A	N/A	N/A
<b>M2</b>	80	N/A	N/A	N/A	007-10592-003 (719030)	007-10592-017 (986552)	007-10592-021 (986556)
<b>M3</b>	95	N/A	N/A	N/A	007-10592-003 (719030)	007-10592-017 (986552)	007-10592-021 (986556)
<b>M4</b>	110	N/A	N/A	N/A	007-10592-003 (719030)	007-10592-017 (986552)	007-10592-021 (986556)
<b>M5</b>	129	N/A	N/A	N/A	007-10592-003 (719030)	007-10592-017 (986552)	007-10592-021 (986556)

**TABLE 17 (CONT'D) - EVAPORATOR TUBES (ASME/PED)**

EVAPORATOR CODE (PIN 5,6)	TUBE QUANTITY	3/4"			1"		
		0.025	0.028	0.035	0.025	0.028	0.035
		MT #321	MT #322	MT #323	MT #326	MT #327	MT #328
N2	80	N/A	N/A	N/A	007-10592-004 (719023)	007-10592-018 (986553)	007-10592-022 (986557)
N3	95	N/A	N/A	N/A	007-10592-004 (719023)	007-10592-018 (986553)	007-10592-022 (986557)
N4	110	N/A	N/A	N/A	007-10592-004 (719023)	007-10592-018 (986553)	007-10592-022 (986557)
N5	129	N/A	N/A	N/A	007-10592-004 (719023)	007-10592-018 (986553)	007-10592-022 (986557)

**NOTE:** YORK part number is identified by using xxx-xxxxx-xxx, the SAP part number is identified within the parenthesis.



*When replacing tubes, refer to the PIN structure (PIN50) to identify the vessel specific codes.*

*See PIN structure (PIN 5, 6) and (PINs 54-56) to identify the specific evaporator tubes.*

**TABLE 18 - VARIABLE SPEED DRIVE 50 HZ. SINGLE SYSTEM (COMMON PARTS)**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
1	Kit, Enclosure	371-05623-301	916029	1	23
2	Power Assy. VSD	371-02769-101	772149	1	23
3	Fan Assy.	371-03715-342	772262	1	24
4	Transformer Mounting Assy.	371-02767-357	772116	1	24
5	Resistor Assy Precharge 519	371-02767-344	772111	1	23, 25
6	Standoff- Motor Lead	371-02767-366	772119	3	23
7	Transformer/Relay Assy	371-02767-373	772122	1	*
8	Terminal Strip Assy	371-05623-375	916032	1	23
9	Board, Trigger	031-02060-002	63166	1	23
10	Harness, Wiring	571-05625-261	916052	1	24, 25
11	Wiring, Power	571-02767-206	806902	1	25
12	Cable Assy. (TB2 to VSD Logic BD. J16)	571-02768-274	806916	1	24
13	Harness, Trigger BD. To Gate Driver BD.	571-02767-251	806904	1	23
15	Board, Transient, Supr	031-02453-000	743895	1	23
16	Fuse, Semiconductor	025-38523-000	739590	1	23
18	Circuit Breaker, Calibrated	224-35428-000	769674	1	*
19	Kit, Door (Circuit Breaker)	024-35429-000	736285	1	24, 25
21	Inductor, VSD	025-41692-000	740002	1	25
22	Resistor 10, 100 W, 5%	025-35953-000	117824	6	23
23	Capacitor .027	025-39806-000	251765	3	23
24	Kit, Wiring DVDT	571-02767-211	806903	1	23
25	Transformer, 3 KVA	025-32983-000	117599	1	23
26	Board Logic	031-02506-002	743920	1	23
27	Insulator, Thermal Resistor Pad	028-15299-000	742121	6	23
28	Clamp Tube 1"	021-30744-000	730644	1	26
29	Sealer, Pipe THD Compound	013-03487-000	729128	0.05	26
30	Clamp, Tube 3/4	021-18001-000	730126	1	26
31	Gasket	028-15340-000	742132	1	23
32	Cover Plate	371-05627-331	916038	1	23
33	Screw Cap Hex	021-01481-000	258203	10	23
34	LKWash Spg Hel 3/8	021-08288-000	616733	10	25
37	Gasket, Cover Plate	028-15368-000	742138	1	23
38	Screw Cap Hex	021-01458-000	654245	3	23
40	Label, UL	035-12653-007	744703	1	23
42	Screw/Washer Assy M6	021-30643-000	688080	5	23
43	Fitting, 1/2 ID Hose	023-20286-000	733194	2	26
44	Tube, Plastic 1/ ID X 3/4	028-14439-000	741873	3.5 ft.	26
45	Clamp, Hose 5/16 - 7/8	021-17547-000	730066	4	26
46	Strap, Grounding	525-32508-001	806677	2	23, 24
47	Screw/Washer Assy M4	021-30657-000	730625	2	24
48	Label, Warning	035-11999-000	744688	2	24
49	Tag, Warning	035-17106-000	744835	1	24
50	Label, Warning	035-15946-000	643600	1	24
51	Label, Warning	035-03908-000	120395	2	24
53	Label, Drain/Fill	035-11919-000	692399	1	26

**TABLE 18 (CONT'D) - VARIABLE SPEED DRIVE 50 HZ. SINGLE SYSTEM (COMMON PARTS)**

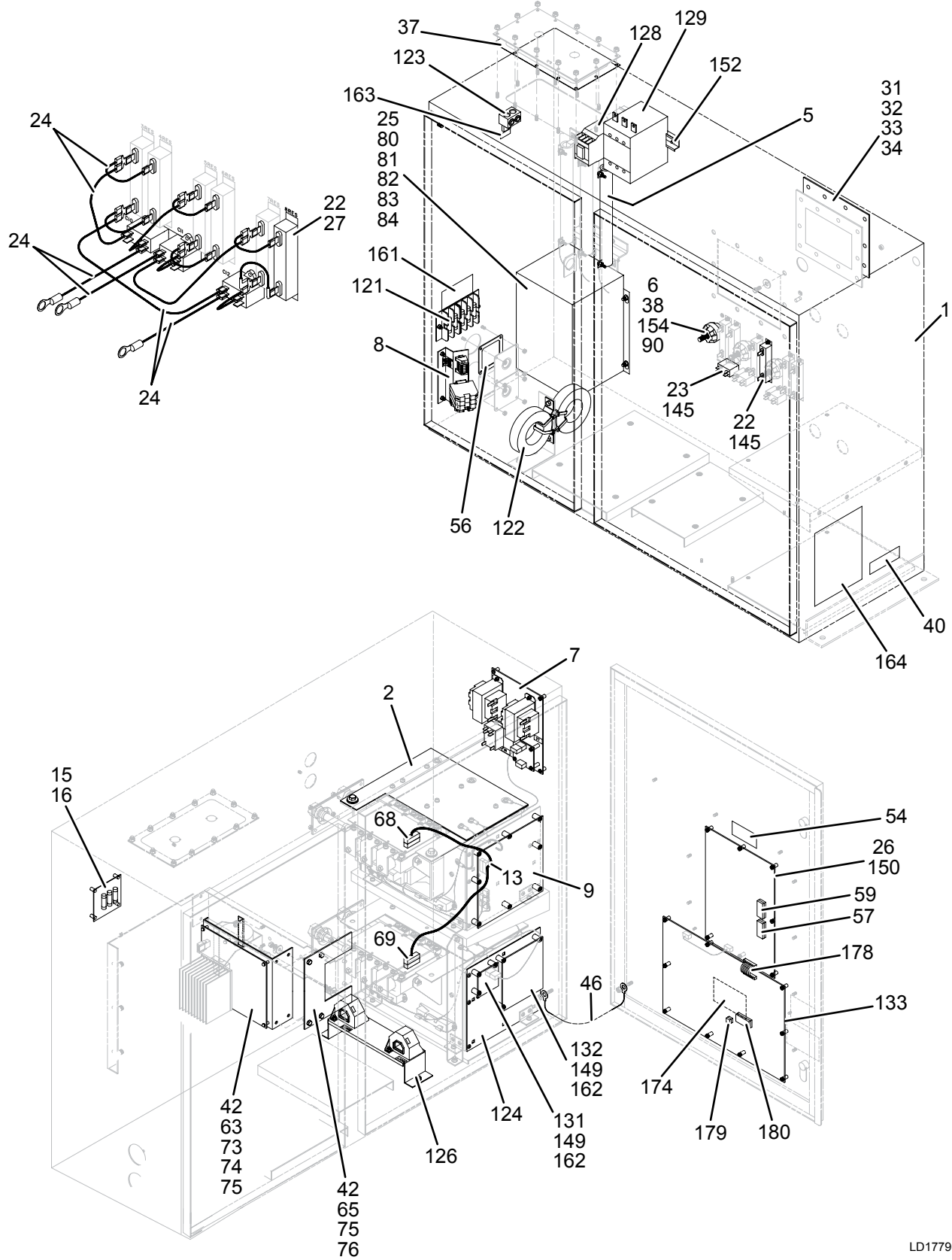
ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
54	Label, Caution	035-14632-000	744726	1	23
55	Label, L1, L2, L3 Etc.	035-02970-000	744468	1	25
56	Gasket	028-15338-000	742130	2	23
57	Flash, Control U34	031-02547-102	913752	1	23
59	Eprom, PWM	031-02522-010	743927	1	23
63	Inverter 50/60 Hz.	371-02202-101	771609	1	23
64	Support	071-03700-305	748631	1	*
65	Bracket Inverter	071-03700-300	748630	1	23
68	Cable Assy. Driver to VSD Logic	571-02767-281	124157	1	23, 24
69	Cable Assy. Driver to Filter Logic	571-02768-221	806911	1	23, 24
71	Label, Ident	035-18158-000	744925	1	24
73	Washer Plain M6	021-30677-000	730632	6	23
74	LkWash Hel Spg. M6	021-30678-000	288326	6	23
75	Nut, Hex	021-30679-000	730633	6	23
76	Shielded Cable, Modbus	571-05192-201	807092	1	23, 24
77	Cable Assy. (DCCT1 to Filter Board)	571-02768-271	806913	1	24
78	Cable Assy. (DCCT2 to Filter Board)	571-02768-272	806914	1	24
80	Ferr Splice Cap	025-10434-000	737259	1	23
81	Insulator, Ferr Splice Cap	025-10435-000	737260	1	23
82	Ferr Splice Cap	025-10372-000	737258	7	23
83	Insulator, Ferr Splice Cap	025-10371-000	737257	7	23
84	Bushing, Snap	025-12016-000	737325	1	23
90	Threadlocker Loctite #262	013-03306-000	729096	0.01	23
100	Screw, Cap M8 X 16MM	021-31764-000	730763	3	*
101	Nut. Hex M8	021-31178-000	730679	3	*
102	Washer Plain M8	021-30242-000	730603	3	*
103	Washer Conial M8	021-15650-000	688131	3	*
106	Label, Motor Terminal Torque	035-21914-000	745374	1	25
110	Label Warning, Arc Flash	035-23174-000	745620	1	24

**TABLE 19 - VARIABLE SPEED DRIVE 50 HZ. SINGLE SYSTEM (MODEL SPECIFIC PARTS)**

ITEM	DESCRIPTION	W/O FILTER	W/ FILTER	FIGURE
		PART NUMBER	PART NUMBER	
121	Fuse Assy	371-05621-379	371-05621-379	23
122	Input Current Transformer		371-02767-347	23
123	Lug, Double Barrel #14 -2/0	025-35173-000	025-35173-000	23
124	Power Assy. Harmonic Filter		371-02768-101	23
125	High Frequency Trap		371-02768-349	24
126	Ct Filter Output Assy.		371-02767-352	23
127	Inductor, Filter		025-35177-000	25
128	Contactora, Precharge Filter		024-30985-000	23
129	Contactora, Supply Filter		024-35434-000	23
130	Manifold	023-21710-000	023-20822-000	26
131	Board, Bus Isolation		031-01624-000	23
132	Board, Line Isolation		031-02022-000	23
133	Board Logic 519		031-02932-031	23
134	Holder Fuse		025-30993-000	25
135	Fuse, 150 A		025-32581-000	25
136	Wiring, Power Filter		571-02768-201	25
140	Nut/Washer Assy. M5	021-30611-000	021-30611-000	24
141	Plug Rubber	028-14499-000		26
143	Nut/Washer Assy. M6	021-30609-000	021-30609-000	24
144	Screw Hex Soc Cap M6	021-30621-000	021-30621-000	24
145	Nut/Washer Assy. M4	021-30166-000	021-30166-000	23, 24
146	Screw Pan HD M5 x 12mm	021-30615-000	021-30615-000	26
147	Screw Cap Hex Mio x 25mm	021-30640-000	021-30640-000	25
148	LkWasher Th Extnl 3/8	021-10784-000	021-10784-000	25
149	Screw Tap Thd Form M4 x 32mm	021-30184-000	021-30184-000	23
150	Screw/Washer Assy. M4 x 8mm	021-30642-000	021-30642-000	23
151	Screw Cap Hex Mio x 30mm	021-30721-000	021-30721-000	25
152	Rail, Contactora Mounting		071-02767-385	23
153	Connector, Elec Wire	025-32573-000		*
154	Washer Conical Disc 3/8	021-14648-000	021-14648-000	23, 25
155	Washer Plain 3/8	021-01267-000	021-01267-000	25
156	Nut Hex 3/8-16	021-00467-000	021-00467-000	25
157	Fitting Flare 90 Deg.	023-20284-000	023-20284-000	26
158	Fitting, Hose 90 Deg. 3/4 x 1/2 ID	023-20285-000	023-20285-000	26
159	Tubing Plastic 3/4 ID x 1 OD	028-14491-000	028-14491-000	26
160	Clamp Hose 11/16 -1-1/4 ID	023-08856-000	023-08856-000	26
161	Strip, Marker (Fuse)	035-23304-000	035-23304-000	23
162	Nut Expansion	021-14661-000	021-14661-000	23
163	Label, Ground	035-17015-000	035-17015-000	23
164	Nameplate	071-05629-101	071-05629-102	23
165	Nut Hex Mio	021-30618-000	021-30618-000	25, 26
166	Washer Plain Mio	021-30658-000	021-30658-000	25, 26
167	Washer Conical Disc 7/16	021-18422-000	021-18422-000	25
168	Reservoir	371-02767-361	371-02767-361	26

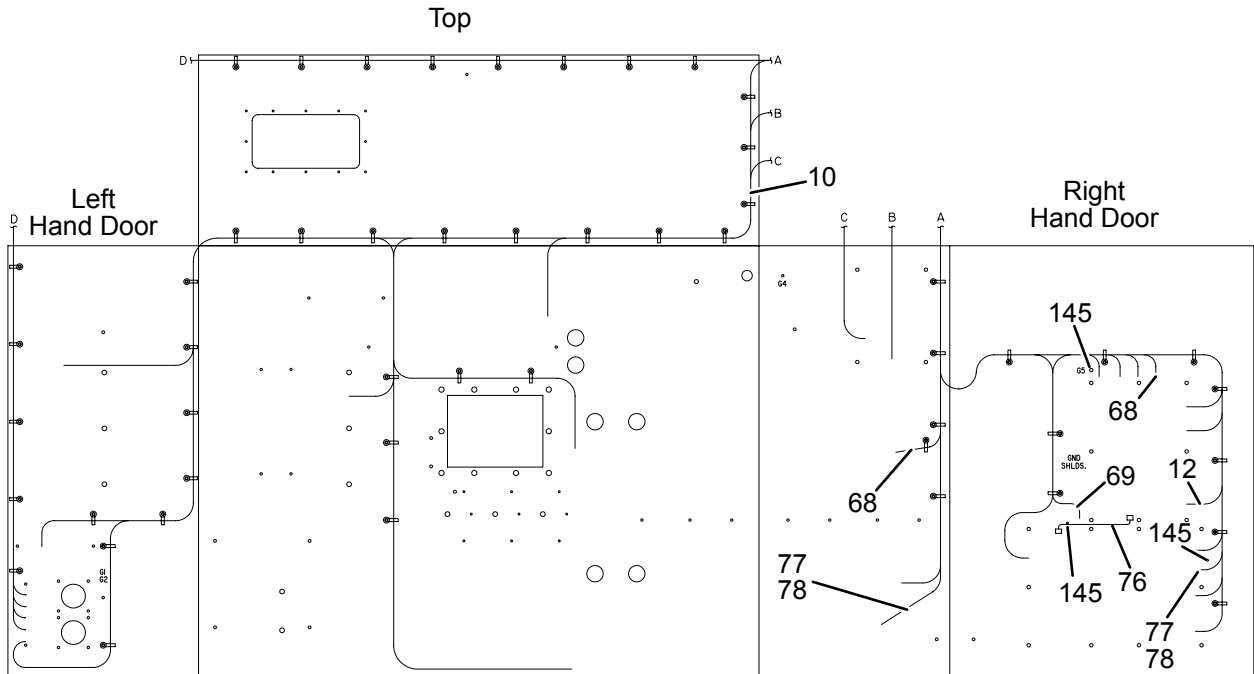
**TABLE 19 (CONT'D) - VARIABLE SPEED DRIVE 50 HZ. SINGLE SYSTEM (MODEL SPECIFIC PARTS)**

ITEM	DESCRIPTION	W/O FILTER	W/ FILTER	FIGURE
		PART NUMBER	PART NUMBER	
174	Label, Notice, Filter	035-14097-000		23
175	Label, Caution	035-05548-000	035-05548-000	25
178	Flexible, Cable		031-01658-000	23
179	Eprom, 519 Logic U112		031-02933-003	23
180	Eprom, 519 Logic U42		031-01633-007	23
182	Plate, Cover	371-03712-386		26
183	Gasket, Plate	028-15039-000		26
184	LkWasher Int Th M6	021-30740-000	021-30740-000	24
190	Heat Exchanger	371-02767-389	371-02767-389	26
191	Pump, Circulating	026-33890-000	026-33890-000	26
192	Elbow Scr. Str. 1/2 NPTI x 1/2 NPTE	023-01689-000	023-01689-000	26
193	Valve, Boiler Drain 1/2 NPTE	022-10090-000	022-10090-000	26
194	Flange Set, 1-1/2 NPT	023-20283-000	023-20283-000	26
195	Connr. Cnd. Flex 1/2	025-31316-000	025-31316-000	26
196	Conduit Flex 1/2	025-30473-000	025-30473-000	26
197	Clamp Hose 11/16 -1-1/4 ID	021-19150-000	021-19150-000	26
198	Bracket Clamp Fill Pipe	071-02291-420	071-02291-420	26
199	Nipple Pipe 1-1/2 Sch 40 x 2"	023-18209-000	023-18209-000	26
200	Lk Washer, Hel	021-30619-000	021-30619-000	26

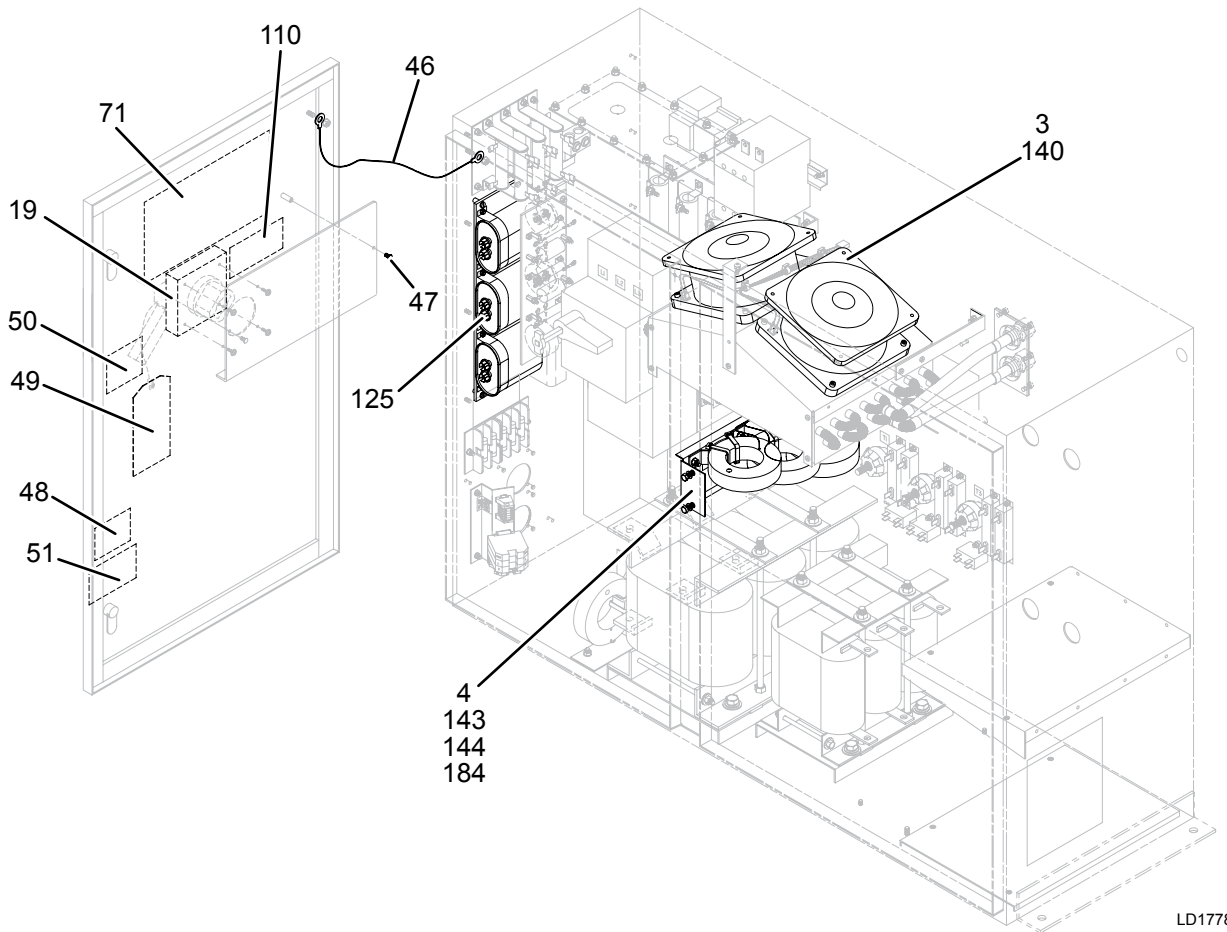


LD17790

FIGURE 23 - VARIABLE SPEED DRIVE 50 HZ SINGLE SYSTEM

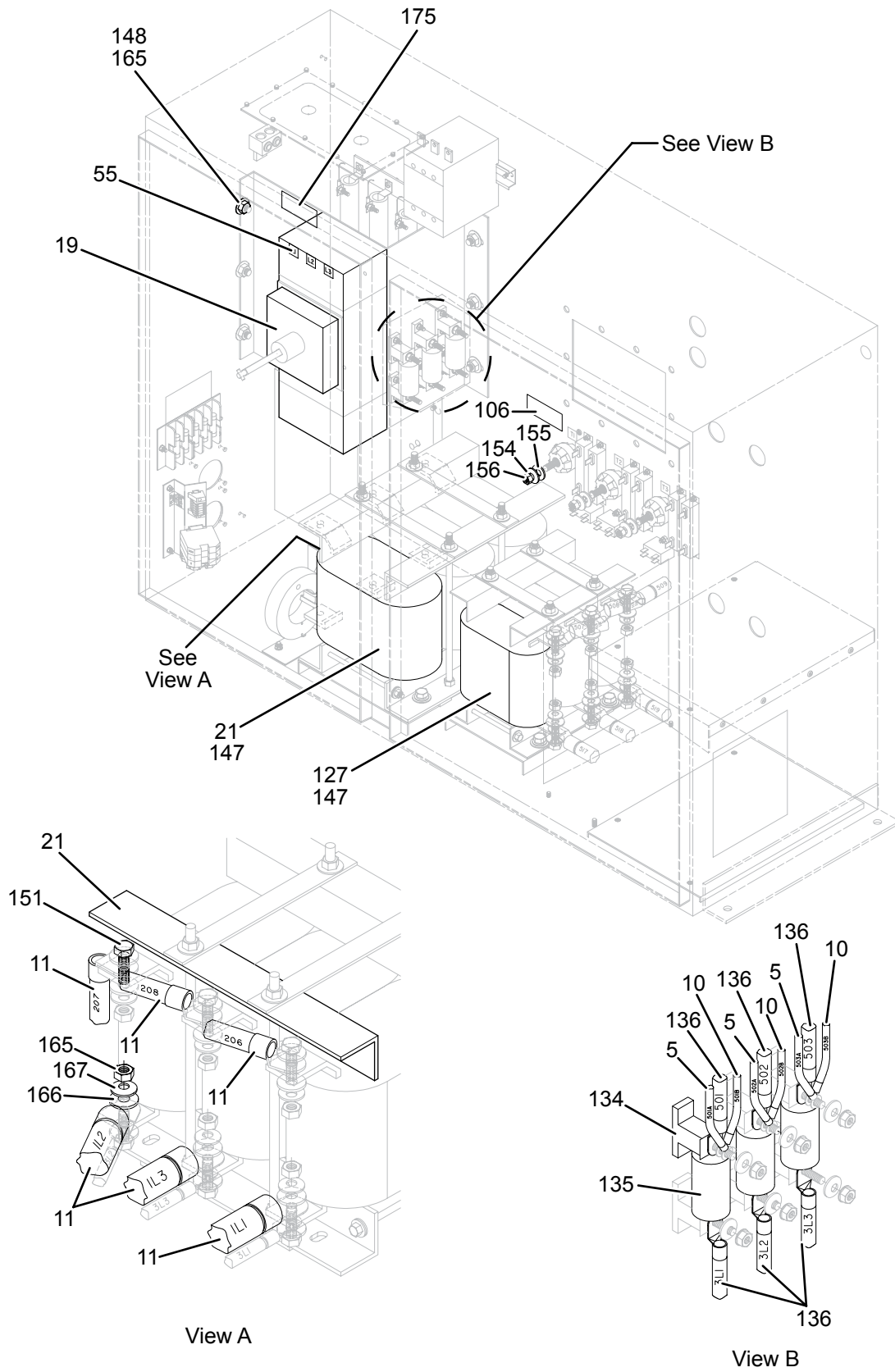


Interior View of Cabinet Shown With Wiring Harness Installed



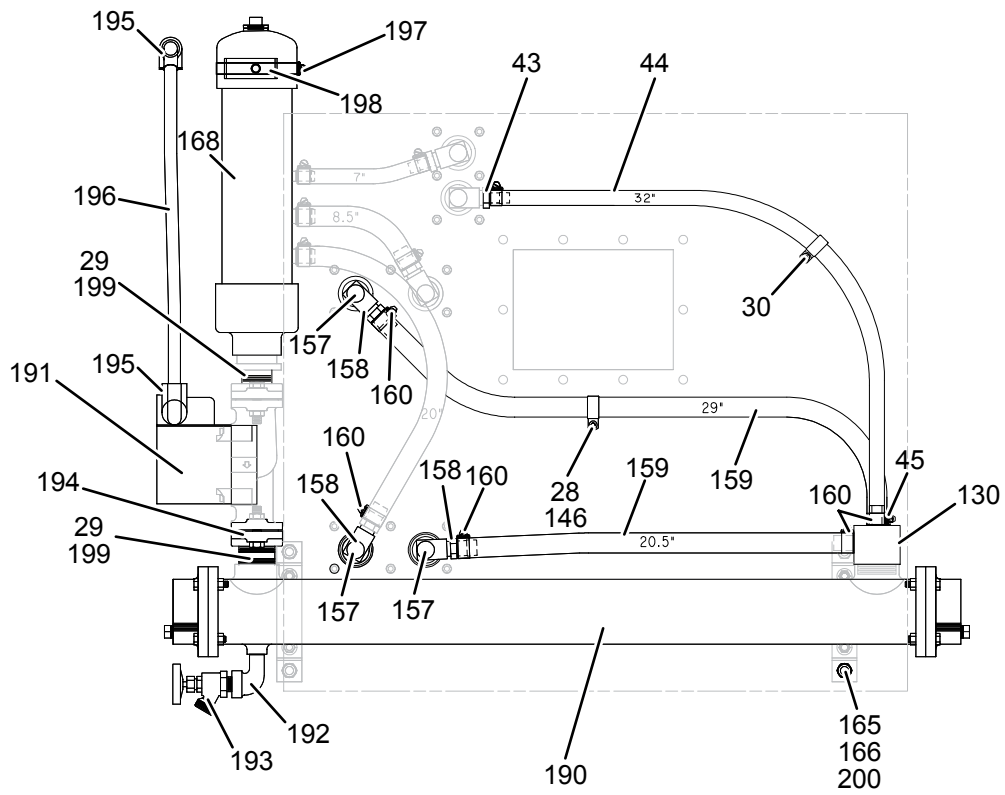
LD17789

FIGURE 24 - VARIABLE SPEED DRIVE 50 HZ SINGLE SYSTEM



LD17791

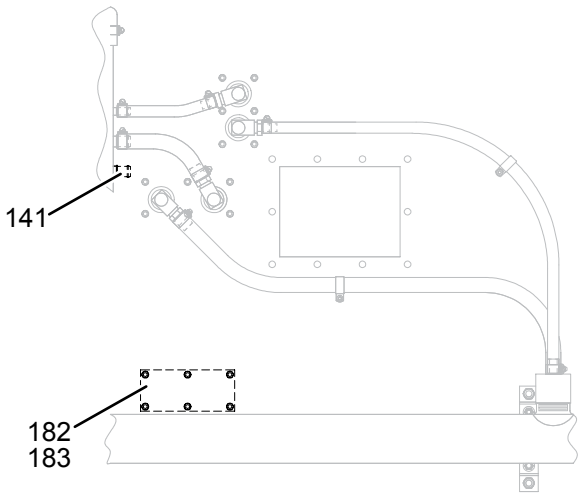
**FIGURE 25 - VARIABLE SPEED DRIVE 50 HZ SINGLE SYSTEM**



CHANGE COOLANT  
 EVERY 2 YEARS  
 013-02987-000

(NEW)	_____
DATE	_____
DATE	_____
DATE	_____
DATE	_____
DATE	_____

53



LD17792

**FIGURE 26 - VARIABLE SPEED DRIVE 50 HZ SINGLE SYSTEM**

**TABLE 20 - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (COMMON PARTS)**

ITEM	VOLTAGE CODE	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
1	17, 28, 40, 46, 58, 65, 68	Kit, Enclosure	371-05623-301	916029	1	27, 29
2	17, 28, 40, 46, 65, 68	Power Assy. VSD	371-02769-100	772148	1	29
	58		371-02769-110	772150		
3	17, 28, 40, 46, 58, 65, 68	Fan Assy.	371-03700-342	772224	1	27
4	17, 28, 40, 46, 58, 65, 68	Transformer Mounting Assy.	371-02767-357	772116	1	27
5	17, 28, 40, 46, 58, 65, 68	Resistor Assy Precharge 519	371-02767-344	772111	1	28
6	17, 28, 40, 46, 58, 65, 68	Standoff- Motor Lead	371-02767-366	772119	3	27
7	17, 28, 40, 46, 58, 65, 68	Transformer/Relay Assy	371-02767-373	772122	1	29
8	17, 28, 40, 46, 58, 65, 68	Terminal Strip Assy	371-05623-375	916032	1	27
9	65, 68	Board, Trigger	031-02060-002	63166	1	29
	17, 28, 40, 46		031-02060-001	743858		
	58		031-02060-003	743859		
10	17, 28, 40, 46, 58, 65, 68	Harness, Wiring	571-05625-261	916052	1	28
11	17, 28, 40, 46, 58, 65, 68	Wiring, Power	571-02767-206	806902	1	28
13	17, 28, 40, 46, 58, 65, 68	Harness, Trigger BD. To Gate Driver BD.	571-02767-251	806904	1	29
14	17, 28, 40, 46, 58, 65, 68	Reservoir	371-02767-361	772117	1	30
16	17, 28, 40, 46, 58, 65, 68	Heat Exchanger Assy	371-02767-389	772126	1	30
17	17, 28, 40, 46, 58, 65, 68	Pump Circulating	026-33890-000	3590	1	30
18	17, 28, 40, 46, 58, 65, 68	Circuit Breaker, Calibrated	224-35428-000	769674	1	28
19	17, 28, 40, 46, 58, 65, 68	Kit, Door Circuit Breaker	024-35429-000	736285	1	27, 28
20	17, 28, 40, 46, 58, 65, 68	Board, Transient Supr.	031-02453-000	743895	1	29
21	17, 28, 40, 46, 58, 65, 68	Inductor, VSD	025-41692-000	740002	1	28
22	17, 28, 40, 46, 58, 65, 68	Resistor, 10 100 W. 5%	025-35953-000	117824	6	27
23	17, 28, 40, 46, 58, 65, 68	Capacitor, .027	025-39806-000	251765	3	27
24	17, 28, 40, 46, 65, 68	Kit, Wiring DVDT	571-02767-211	806903	1	27
	58		571-04881-211	807072		
25	65, 68	Transformer, 3 KVA	025-32983-000	117599	1	27
	58		025-40381-000	739812		

**TABLE 20 (CONT'D) - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (COMMON PARTS)**

ITEM	VOLTAGE CODE	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
26	17, 28, 40, 46, 65, 68	Board, Logic	031-02506-002	743920	1	29
	58		031-02506-003	743921	1	
27	17, 28, 40, 46, 58, 65, 68	Elbow, SCR. Street 1/2 NPTI X 1/2 NPTE	023-01689-000	617258	1	30
28	17, 28, 40, 46, 58, 65, 68	Valve, Boiler Drain 1/2 NPTE	022-10090-000	692414	1	30
29	17, 28, 40, 46, 58, 65, 68	Sealer, Pipe	013-03487-000	729128	0.05	30
30	17, 28, 40, 46, 58, 65, 68	Clamp, Tube 3/4	021-18001-000	730126	1	30
31	17, 28, 40, 46, 58, 65, 68	Flange Set 1-1/2 NPT	023-20283-000	733193	1	30
32	17, 28, 40, 46, 58, 65, 68	Connr Cnd Flex Ang 1/2 X 90 Deg.	025-31316-000	435091	2	30
33	17, 28, 40, 46, 58, 65, 68	CND Elec. Flex 1/2	025-30473-000	618151	2.0 Ft.	30
34	17, 28, 40, 46, 58, 65, 68	Clamp, Hose	021-19150-000	564227	1	30
35	17, 28, 40, 46, 58, 65, 68	Bracket, Clamp Fill Pipe	071-02291-420	748189	1	30
36	17, 28, 40, 46, 58, 65, 68	Nipple, Pipe 1-1/2 SCH 40 X 2 LG.	023-18209-000	60695	2	30
40	17, 28, 40, 46, 58, 65, 68	Label, UL	035-12653-007	744703	1	27
42	17, 28, 40, 46, 58, 65, 68	Screw/Washer Assy M6 X 1.0 X 16 MM	021-30643-000	688080	5	29
43	17, 28, 40, 46, 58, 65, 68	Fitting, 1/2 ID Hose X 1/2 NPT	023-20286-000	733194	2	30
44	17, 28, 40, 46, 58, 65, 68	Tube, Plastic 1/2 ID X 3/4	028-14439-000	741873	3.1 Ft.	30
45	17, 28, 40, 46, 58, 65, 68	Clamp, Hose 5/16 - 7/8	021-17547-000	730066	4	29, 30
46	17, 28, 40, 46, 58, 65, 68	Strap, Grounding	525-32508-001	806677	2	27
47	17, 28, 40, 46, 58, 65, 68	Screw/Washer Assy M4 X 0.7 X 10 MM	021-30657-000	730625	2	27
48	17, 28, 40, 46, 58, 65, 68	Label, Warning	035-11999-000	744688	2	27
49	17, 28, 40, 46, 58, 65, 68	Tag, Warning	035-17106-000	744835	1	27
50	17, 28, 40, 46, 58, 65, 68	Label, Warning	035-15946-000	643600	1	27
51	17, 28, 40, 46, 58, 65, 68	Label, Warning	035-03908-000	120395	2	27
52	17, 28, 40, 46, 58, 65, 68	Clamp, Tube 1"	021-30744-000	730644	1	30

**TABLE 20 (CONT'D) - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (COMMON PARTS)**

ITEM	VOLTAGE CODE	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
54	17, 28, 40, 46, 58, 65, 68	Label, Caution	035-14632-000	744726	1	29
57	58	Flash, Control	031-02547-103	913753	1	*
59	17, 28, 40, 46, 58, 65, 68	Eprom, PWM U45	031-02522-010	743927	1	29
60	17, 28, 40, 46, 58, 65, 68	Gasket, Cover Plate	028-15101-000	742073	1	*
61	17, 28, 40, 46, 58, 65, 68	Tophat	371-04144-311	772433	1	29
62	17, 28, 40, 46, 58, 65, 68	Strap, Cable	025-09607-000	737242	10	29
63	65, 68	Inverter, 50/60 Hz.	371-02202-101	771609	1	29
67	17, 28, 40, 46, 58, 65, 68	Strap, Cable	025-18167-000	588760	10	*
68	17, 28, 40, 46, 58, 65, 68	Cable Assy Driver to VSD	571-02767-281	124157	1	29
69	17, 28, 40, 46, 58, 65, 68	Cable Assy Driver to Filter Logic	571-02768-221	806911	1	*
71	65, 68	Bracket, Interter	071-03700-300	748630	1	29
72	17, 28, 40, 46, 58, 65, 68	Label, Warning, Arc Flash	035-23174-000	745620	1	27
74	17, 28, 40, 46, 58, 65, 68	Washer Plain M6	021-30677-000	730632	6	29
75	17, 28, 40, 46, 65, 68	LKWash, HEL SPG M6	021-30678-000	288326	6	29
76	17, 28, 40, 46, 65, 68	Nut Hex M6 X 1.0	021-30679-000	730633	6	29
77	17, 28, 40, 46, 58, 65, 68	Cable Assy (DCCT1 to Filter Board)	571-02768-271	806913	1	*
78	17, 28, 40, 46, 58, 65, 68	Cable Assy (DCCT2 to Filter Logic)	571-02768-272	806914	1	*
80	17, 28, 40, 46, 58, 65, 68	Ferr Splice Cap	025-10434-000	737259	1	27
81	17, 28, 40, 46, 58, 65, 68	Insulator, Ferr Splice Cap	025-10435-000	737260	1	27
82	65, 68	Ferr Splice Cap	025-10372-000	737258	7	27
83	65, 68	Insulator, Ferr Splice Cap	025-10371-000	737257	7	27
84	17, 28, 40, 46, 58, 65, 68	Bushing Snap	025-12016-000	737325	1	27
86	65, 68	Support, Inverter	071-03700-305	748631	1	29
88	17, 28, 40, 46, 58, 65, 68	Strap, Grounding	525-37839-001	806679	2	27
89	17, 28, 40, 46, 58, 65, 68	Insulator, Resistor Thermal Pad	028-15299-000	742121	6	27
90	65, 68	Label (Optispeed)	035-18158-000	744925	1	27
92	17, 28, 40, 46, 58, 65, 68	Fuse, Semiconductor	025-38523-000	739590	3	29

**TABLE 20 (CONT'D) - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (COMMON PARTS)**

ITEM	VOLTAGE CODE	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
94	17, 28, 40, 46, 58, 65, 68	Cable Assy. 2TB to VSD Logic	571-02768-274	806916	1	*
95	17, 28, 40, 46, 58, 65, 68	Shielded Cable, Modbus	571-05192-201	807092	1	29
98	17, 28, 40, 46, 58, 65, 68	Label, JCI Logo	035-22503-000	745496	1	29

**TABLE 21 - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (MODEL SPECIFIC PARTS)**

ITEM	VOLTAGE	DESCRIPTION	W/O FILTER	W/ FILTER	FIGURE
			PART NUMBER	PART NUMBER	
121	17, 28, 40, 46, 65, 68	Fuse Assy	371-05621-379	371-05621-379	27
	58		371-06024-379	371-06024-379	
122	17, 28, 40, 46, 65, 68	Input Current Transformer		371-02767-347	27
	58			371-04881-347	
123	17, 28, 40, 46, 58, 65, 68	Lug. Double Barrel #14-2/0	025-35173-000	025-35173-000	27
124	17, 28, 40, 46, 65, 68	Power Assy. 519 Harmonic Filter		371-02768-100	29
	58			371-02768-110	
125	17, 28, 40, 46, 65, 68	High Frequency Trap		371-02768-349	27
	58			371-04881-349	
126	17, 28, 40, 46, 65, 68	Ct Filter Output Assy.		371-02767-352	29
	58			371-04881-352	
127	17, 28, 40, 46, 65, 68	Inductor, Harmonic Filter		025-35177-000	28
	58			025-40374-000	
128	17, 28, 40, 46, 58, 65, 68	Contactora, Precharge Filter		024-30985-000	27
129	17, 28, 40, 46, 58, 65, 68	Contactora, Supply Filter		024-35434-000	27
130	17, 28, 40, 46, 58, 65, 68	Rail, Mtg. Contactora		071-02767-385	27
131	17, 28, 40, 46, 58, 65, 68	Board, Bus Isolator		031-01624-000	29
132	17, 28, 40, 46, 65, 68	Board, Line Isolation		031-02022-000	29
	58			031-02022-001	
133	17, 28, 40, 46, 65, 68	Board, Logic 519		031-02932-031	29
	58			031-02932-101	
134	17, 28, 40, 46, 65, 68	Holder, Fuse		025-30993-000	28
	58		025-32573-000		
135	17, 28, 40, 46, 65, 68	Fuse, 150A		025-32581-000	28
	58			025-40404-000	
136	17, 28, 40, 46, 58, 65, 68	Wiring, Power, Harmonic Filter		571-02768-201	28
140	17, 28, 40, 46, 58, 65, 68	Nut/Washer Assy. M5	021-30611-000	021-30611-000	27
141	17, 28, 40, 46, 58, 65, 68	Plug Rubber	028-14499-000		30
143	17, 28, 40, 46, 58, 65, 68	Nut/Washer Assy. M6	021-30609-000	021-30609-000	27
144	17, 28, 40, 46, 58, 65, 68	Screw Hex Soc Cap M6	021-30621-000	021-30621-000	27
145	17, 28, 40, 46, 58, 65, 68	Nut/Washer Assy. M4	021-30166-000	021-30166-000	27
146	17, 28, 40, 46, 58, 65, 68	Screw Pan Hd Recd 1 M5 X0.8 X 12 mm	021-30615-000	021-30615-000	30

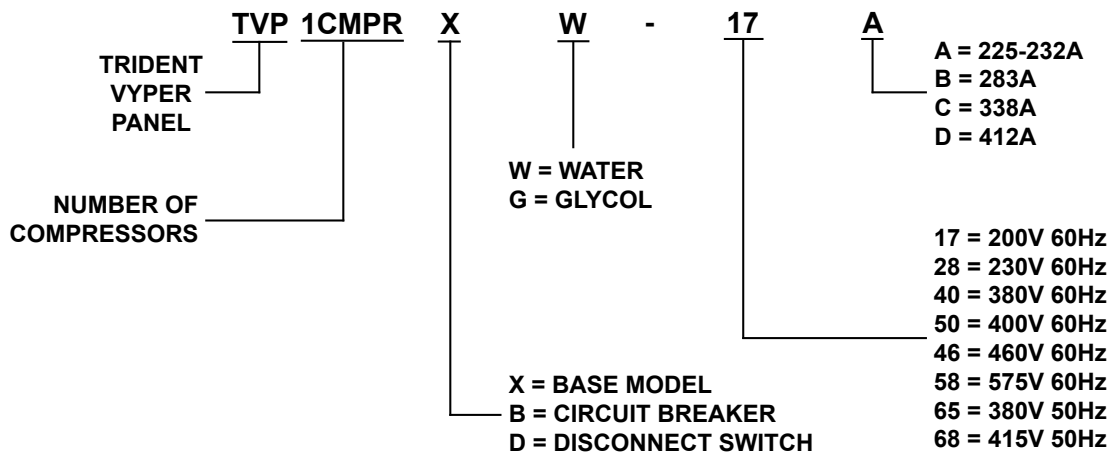
**TABLE 21 (CONT'D) - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (MODEL SPECIFIC PARTS)**

ITEM	VOLTAGE	DESCRIPTION	W/O FILTER	W/ FILTER	FIGURE
			PART NUMBER	PART NUMBER	
147	17, 28, 40, 46, 58, 65, 68	Screw Cap Hex M10 X 1/5 X 25 mm	021-30640-000	021-30640-000	28
148	17, 28, 40, 46, 58, 65, 68	LKWasher Th Extnl Int 3/8	021-10784-000	021-10784-000	28
149	17, 28, 40, 46, 58, 65, 68	Screw Tap Thd Form Type B Pan HD	021-30184-000	021-30184-000	29
150	17, 28, 40, 46, 58, 65, 68	Screw/washer Assy. Pan	021-30642-000	021-30642-000	27, 29
151	17, 28, 40, 46, 58, 65, 68	Screw Cap Hex M10 X 1/5 X 30 mm	021-30721-000	021-30721-000	28
154	17, 28, 40, 46, 58, 65, 68	Washer, Conical Disc 3/8	021-14648-000	021-14648-000	28
155	17, 28, 40, 46, 58, 65, 68	Washer, Plain 3/8	021-01267-000	021-01267-000	28
156	17, 28, 40, 46, 58, 65, 68	Nut Hex 3/8-16	021-00467-000	021-00467-000	28
157	17, 28, 40, 46, 58, 65, 68	Fitting, Flare 90 deg.	023-20284-000	023-20284-000	30
158	17, 28, 40, 46, 58, 65, 68	Fitting, 3/4 ID Hose x 1/2 Npt	023-20285-000	023-20285-000	30
159	17, 28, 40, 46, 58, 65, 68	Tubing, Plastic 3/4 ID x 1	028-14491-000	028-14491-000	30
160	17, 28, 40, 46, 58, 65, 68	Clamp, Hose 11/16 - 1-1/4	023-08856-000	023-08856-000	30
161	17, 28, 40, 46, 65, 68	Strip, Marker (Fuse)	035-23304-000	035-23304-000	*
	58		035-23305-000	035-23305-000	
162	17, 28, 40, 46, 58, 65, 68	Nut, Expansion	021-14661-000	021-14661-000	29
163	17, 28, 40, 46, 58, 65, 68	Label, Ground	035-17015-000	035-17015-000	27
164	65, 68	Nameplate	071-05626-101	071-05626-102	27
	17, 28, 40, 46		071-05624-101	071-05624-102	
	58		071-06025-101	071-06025-102	
165	17, 28, 40, 46, 58, 65, 68	Nut Hex M10 x 1.5	021-30618-000	021-30618-000	28
166	17, 28, 40, 46, 58, 65, 68	Washer Plain M10	021-30658-000	021-30658-000	28
167	17, 28, 40, 46, 58, 65, 68	Washer, Conical Disc 7/16	021-18422-000	021-18422-000	28
172	17, 28, 40, 46, 58, 65, 68	Screw, Hex 3/8-16 x 1	021-01481-000	021-01481-000	28
174	17, 28, 40, 46, 58, 65, 68	Label, Notice (Filter)	035-14091-000		29
176	17, 28, 40, 46, 58, 65, 68	Manifold, Distribution w/Filter		023-20822-000	30
178	17, 28, 40, 46, 58, 65, 68	Cable, Flexible		031-01658-000	29

**TABLE 21 (CONT'D) - VARIABLE SPEED DRIVE 60 HZ. SINGLE SYSTEM (MODEL SPECIFIC PARTS)**

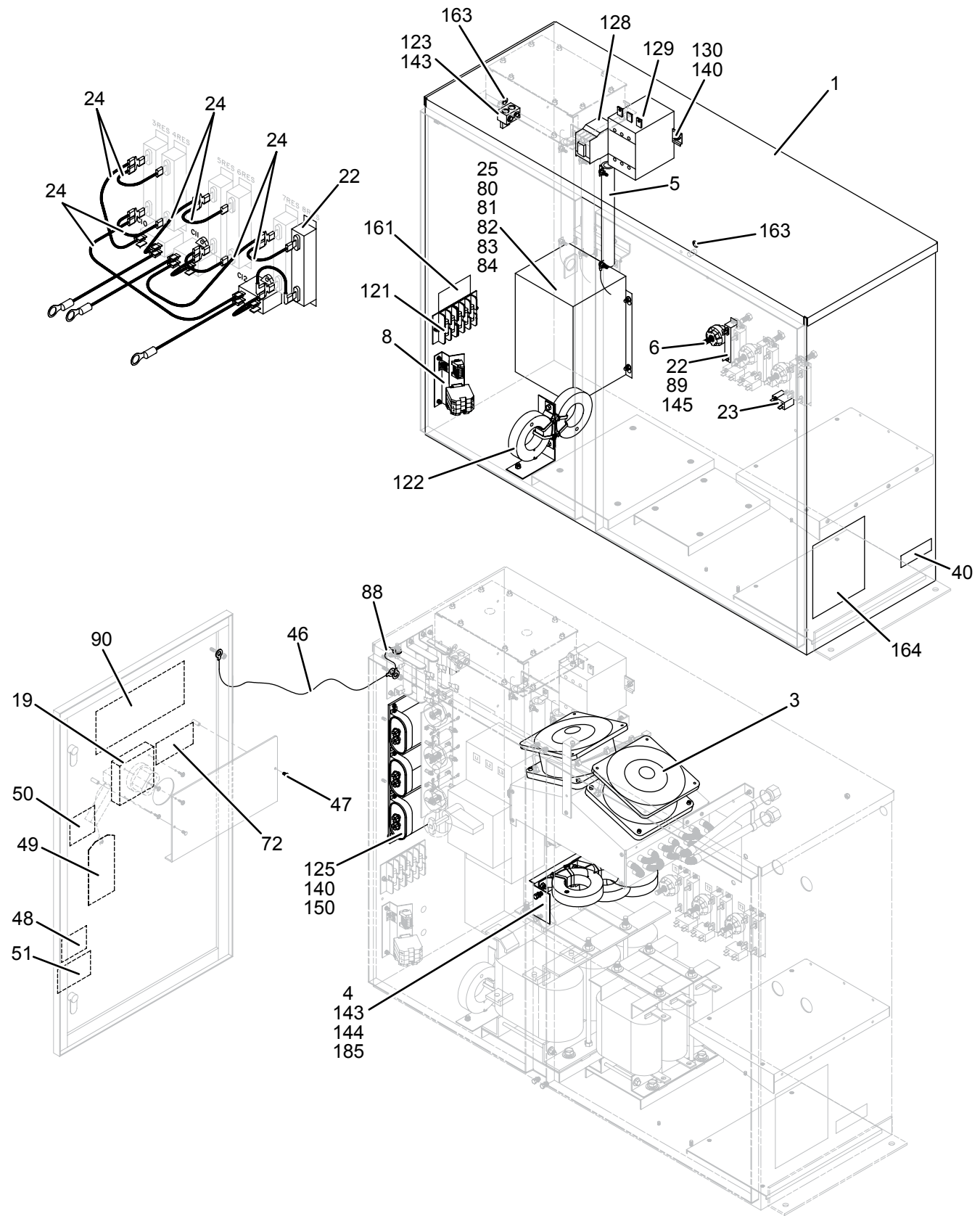
ITEM	VOLTAGE	DESCRIPTION	W/O FILTER	W/ FILTER	FIGURE
			PART NUMBER	PART NUMBER	
179	17, 28, 40, 46, 58, 65, 68	Prom. 519 Logic U112		031-02933-003	29
180	17, 28, 40, 46, 58, 65, 68	Eeprom, 519 Logic U42		031-01633-007	29
182	17, 28, 40, 46, 58, 65, 68	Plug Hole	025-37820-000		30
183	17, 28, 40, 46, 58, 65, 68	Bush Snap 1.000 ID Hole	025-40365-000	025-40365-000	30
184	17, 28, 40, 46, 58, 65, 68	Manifold, Distribution w/Filter	023-20842-000		30
185	17, 28, 40, 46, 58, 65, 68	LkWasher, Int Th M6	021-30740-000	021-30740-000	27
187	17, 28, 40, 46, 58, 65, 68	Connector, Elec Wire	025-32573-000		*
188	17, 28, 40, 46	Transformer, 3KVA	025-31499-000	025-31499-000	*
189	17, 28, 40, 46	Ferr Splice Cap	025-10372-000	025-10372-000	30
190	17, 28, 40, 46	Insultator Ferr Splice Cap	025-10371-000	025-10371-000	30
191	17, 28, 40, 46, 58, 65, 68	Flash Control U34	031-02547-102	031-02547-102	29

**VARIABLE SPEED DRIVE NOMENCLATURE**



**TABLE 22 - VARIABLE SPEED DRIVE SINGLE SYSTEM SERVICE KITS**

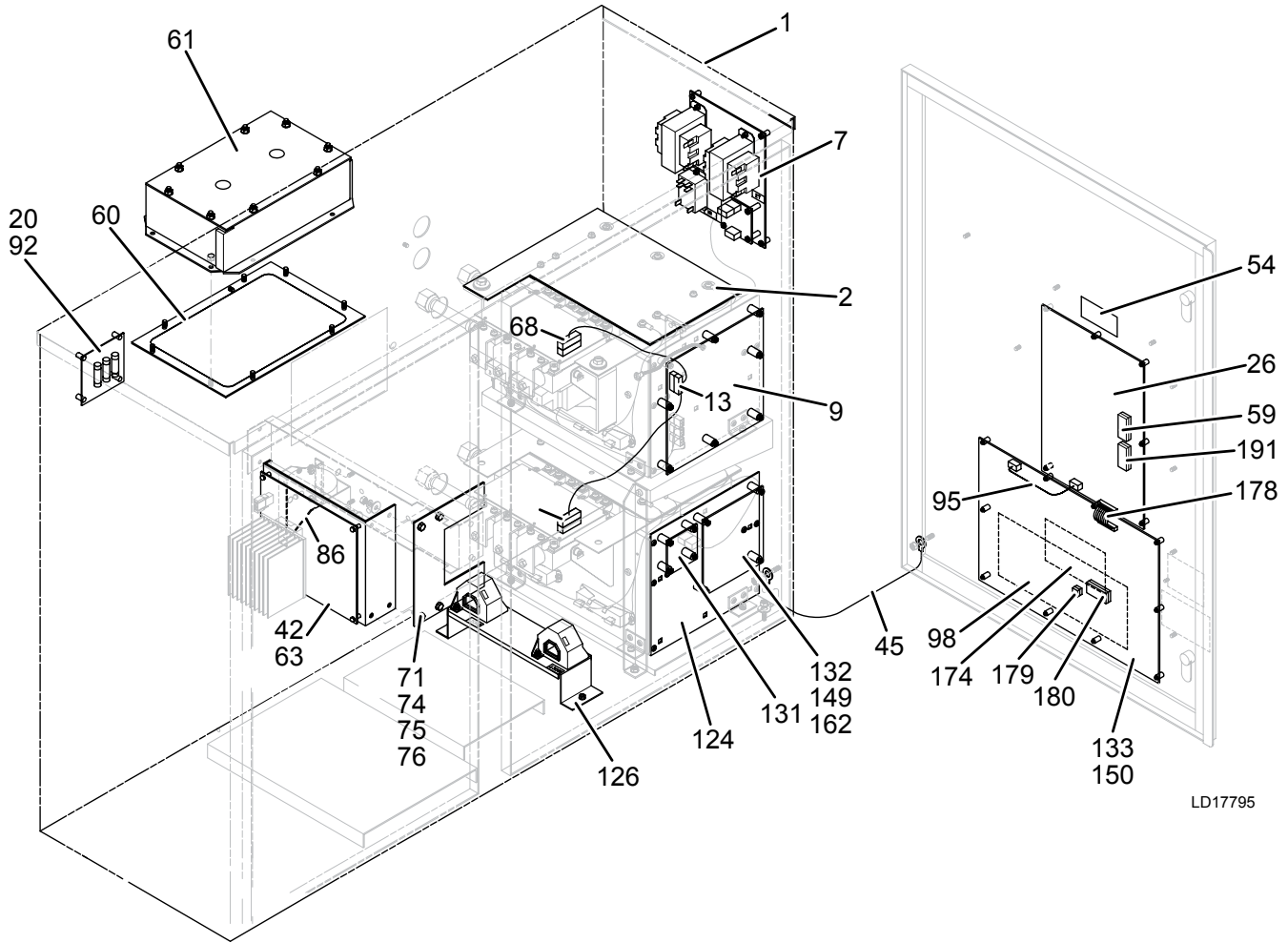
<b>VSD MODEL NUMBER</b>	<b>POWER ASSEMBLY KIT</b>	<b>LOGIC BOARD KIT</b>	<b>FILTER LOGIC BOARD</b>	<b>FILTER ASSEMBLY KIT</b>	<b>CIRCUIT BREAKER / DISCONNECT KIT</b>	<b>CONTROL TRANSFORMER</b>
<b>TVP1CMPRBWN-40B</b>	371-03708-001	TBD	N/A	N/A	224-35428-000	025-32983-000
<b>TVP1CMPRBWN-40D</b>	371-04164-001	TBD	N/A	N/A		
<b>TVP1CMPRBWF-40B</b>	371-03708-001	TBD	031-02932-031	371-03707-001	224-35428-000	025-32983-000
<b>TVP1CMPRBWF-40D</b>	371-04164-001	TBD	031-02932-042	371-04165-001		
<b>TVP1CMPRBWN-46B</b>	371-03708-001	TBD	N/A	N/A	224-35428-000	025-31499-000
<b>TVP1CMPRBWN-46D</b>	371-04164-001	TBD	N/A	N/A		
<b>TVP1CMPRBWF-46B</b>	371-03708-001	TBD	031-02932-031	371-03707-001	224-35428-000	025-31499-000
<b>TVP1CMPRBWF-46D</b>	371-04164-001	TBD	031-02932-042	371-04165-001		
<b>TVP1CMPRBWN-58B</b>	371-05157-001	TBD	N/A	N/A	224-35428-000	025-40381-000
<b>TVP1CMPRBWN-58D</b>	371-05159-001	TBD	N/A	N/A		
<b>TVP1CMPRBWF-58B</b>	371-05157-001	TBD	031-02932-101	371-05158-001	224-35428-000	025-40381-000
<b>TVP1CMPRBWF-58D</b>	371-05159-001	TBD	031-02932-102	371-05160-001		
<b>TVP1CMPRBWN-65D</b>	371-04164-001	TBD	N/A	N/A		
<b>TVP1CMPRBWF-65D</b>	371-04164-001	TBD	031-02932-042	371-04165-001		
<b>TVP1CMPRBWN-68D</b>	371-04164-001	TBD	N/A	N/A		
<b>TVP1CMPRBWF-68D</b>	371-04164-001	TBD	031-02932-042	371-04165-001		



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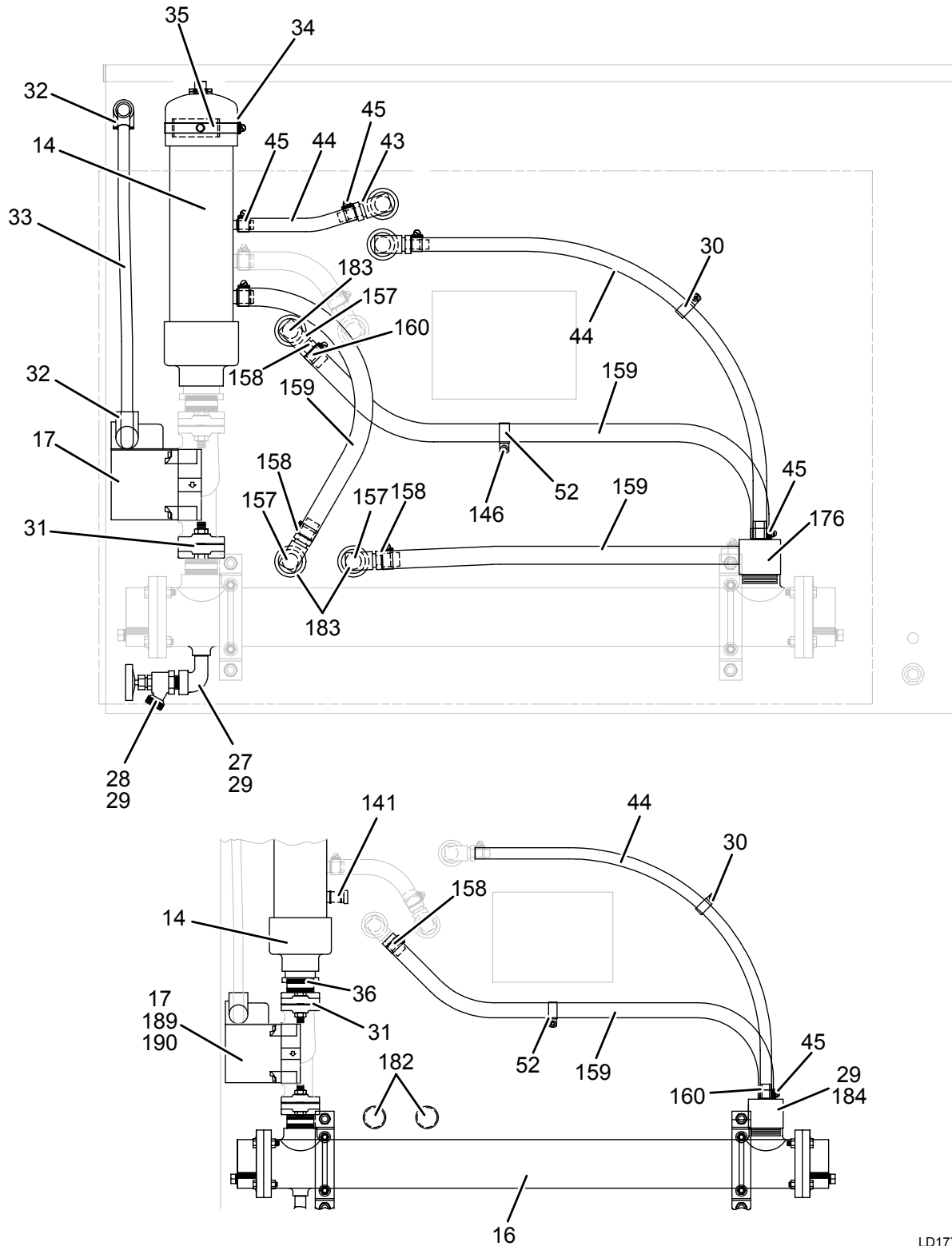
FIGURE 27 - VARIABLE SPEED DRIVE 60 HZ SINGLE SYSTEM





LD17795

FIGURE 29 - VARIABLE SPEED DRIVE 60 HZ SINGLE SYSTEM



LD17796

**FIGURE 30 - VARIABLE SPEED DRIVE 60 HZ SINGLE SYSTEM**

**TABLE 23 - VARIABLE SPEED DRIVE DUAL SYSTEMS (COMMON PARTS)**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
5	Relay, Pump / Fan	024-30441-000	664298	1	31
6	Standoff, Motor Lead	371-03789-371	772343	6	32
7	Transformer, 75VA	025-27911-000	1312	3	31
8	Shield, Right Side	071-05183-000	74197	1	33
9	Shield, Left Side	071-05184-000	749198	1	33
10	Bracket, Shield Center Support	371-05603-389	774279	2	33
11	Bracket, Shield Support	371-05603-392	744265	2	33
15	Fuse, Holder, 1 Pole, 30A/600V	025-39951-000	359985	5	31
17	Voltage, Transient Suppression Board	031-02453-000	743895	1	31
18	Rail, Fuse Block Mtg., 8"	071-05603-350	692398	1	31
20	Relay, Board, 1 and 2	031-02479-001	340702	2	33
22	Resistor, 10 Ohm, 100w	025-35953-000	117824	12	31
23	Capacitor	025-39806-000	251765	6	31
24	Kit, Wiring DVDT	571-04178-211	806999	1	*
25	Insulator, Resistor Thermal Pad	028-15299-000	742121	12	31
28	Control Board	031-02478-102	743908	1	33
30	Standoff, Power Fuse, 2"	371-04178-371	772516	6	32
31	Bus, Isolation Board	031-01624-000	743779	1	31
32	Gasket, Field Power	028-16531-000	692397	2	31
33	Gasket, Customer Connections	028-15247-000	742106	1	31
34	Gasket, Circuit Breaker	028-15824-000	651576	1	31
37	Gasket, Coil	028-15251-000	742109	1	32
39	Terminal Block Assembly	371-05603-356	774277	1	31
41	Cable, Trigger Board to Gate Driver Board	571-04178-251	427924	1	31/32
42	Cable, Gate Driver to Compressor #1 Logic Board	571-04178-281	427925	1	32
43	Cable, Gate Driver to Compressor #2 Logic Board	571-04178-282	427926	1	32
45	Strap, Grounding 4"	525-37839-001	806679	4	35
46	Strap, Grounding 6"	525-32508-001	806677	3	35
55	Strap, Cable Ribbon	025-42115-000	644643	1	33
59	Eprom, PWM Generator VSD Logic	031-02522-010	743927	1	33
61	Keypad, Mustang	024-34930-000	247624	1	33
62	Display, Mustang	031-02508-000	743925	1	33
63	Switch, ON/OFF	024-34951-000	736122	1	33
64	Clamp, Ribbon	025-25156-000	737712	1	33
68	Cable, Ribbon Display	571-04178-261	807007	1	33
69	Cable, Ribbon Keypad	571-04178-262	505907	1	33
70	Cable, Ribbon Relay Bd. #1	571-04178-263	807008	1	33
71	Cable, Control to Trigger Board	571-04178-271	807015	1	35
72	Controller, Valve	031-02742-000	744082	1	31
74	Rail, Controller Mounting	071-04178-363	748851	1	31
76	Clamp, End	025-29189-000	117471	6	31
77	Cable, Ribbon Relay Bd. #2	571-04178-264	807009	1	32

**TABLE 23 (CONT'D) - VARIABLE SPEED DRIVE DUAL SYSTEMS (COMMON PARTS)**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
80	Ferr Splice Cap	025-10434-000	737259	1	31
81	Insulator, Ferr Splice Cap	025-10435-000	737260	1	31
82	Ferr, Splice Cap	025-10372-000	737258	6	31, 34
83	Insulator, Ferr Splice Cap	025-10371-000	737257	6	31, 34
84	Bushing, Snap	025-12016-000	737325	1	31
86	Cable, Shielded	571-05603-291	807140	1	35
88	Fuse, Surge Suppression	025-38523-000	739590	3	31
90	Fuse, Time Delay, 15A	025-35907-000	117822	1	31
91	Fuse, Time Delay, 10A	025-35905-000	739234	2	31
92	Fuse, Time Delay, 15A	025-34141-000	739008	1	31
93	Fuse, Time Delay, 20A	025-35908-000	117823	1	31
94	Fuse, Time Delay, 6A	025-35902-000	264466	1	31
95	Base, Cable Mount	025-42113-000	644640	1	33
96	Plate, Cable Mount	025-42114-000	644641	1	33
97	Spacer, Nylon 7/16	021-17575-000	654243	4	33
116	Terminal Block	025-20944-000	62696	4	31
117	Terminal Block, End Section	025-20946-000	618097	1	31
119	Bar, Drawing Support	071-05603-368	692411	1	33
127	Heat, Exchager Assy.	371-02767-389	772126	1	34
128	Pump, Circulating	026-33890-000	3590	1	34
129	Reservior, Cooling System	371-05603-361	774278	1	34
130	Valve, Boiler Drain 1/2 NPTE	022-10090-000	692414	1	34
132	Elbow, Street 1/2 NPTI x 1/2 NPTE	023-01689-000	617258	1	34
138	Nipple, Pipe 1-1/2 x 2 Lg Sch 40	023-18209-000	60695	2	34
139	Flange, Set 1-1/2 NPT	023-20283-000	733193	1	34
140	Connector, Conduit 1/2 x 90 deg.	025-31316-001	144731	2	34
141	Fitting, 3/4 ID Hose x 1/2 NPT	023-20285-000	692417	4	34
142	Fitting, Flare 90 deg.	023-20284-000	692418	4	34
143	Clamp, Hose 11/16 - 1-1/4 ID	023-08856-000	617439	6	34
144	Tubing, Plastic, 3/4 ID x 1 OD	028-14491-000	741890	4.5'	34
145	Manifold, Distribution	023-25218-000	692419	1	34
147	Conduit, Flex, 1/2	025-30473-001	738505	1.25'	34
148	Bracket, Clamp Hose, Fill Pipe	071-02291-420	748189	1	34
149	Clamp, Hose 11/16 - 1-1/4 ID	021-19150-000	564227	1	34
150	Clamp, Tube 1" OD	021-30744-000	730644	1	34

**NOTE:** Items with an \* are NOT represented.

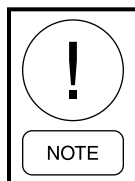
**TABLE 24 - VARIABLE SPEED DRIVE DUAL SYSTEMS (MODEL SPECIFIC PARTS)**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
201	Kit, Terminal Blocks (225-232A / 282A)	371-05616-004	704505	1	33
	Kit, Terminal Blocks (338A)	371-05616-006	704506		
202	Kit, Circuit Breaker	See TABLE 18	-	1	33
	Kit, Disconnect Switch				
203	Plate, CB Cover	371-05603-373	704517	1	33
204	Wiring, Power Variable (380V / 400V / 415V 50Hz - 225-232A / 283A)	571-05603-202	704520	1	33
	Wiring, Power Variable (380V / 400V 50 Hz 338A)	571-05603-210	704521		
	Wiring, Power Variable (380V / 400V / 415V 50Hz - 225-232A / 283A w/ CB)	571-05603-203	692421		
	Wiring, Power Variable (380V 60Hz - 338A w/ CB) (380V / 400V / 415V 50Hz - 338A w/ CB)	571-05603-211	807138		
	Wiring, Power Variable (380V / 400V / 415V 50Hz - 225-232A / 283A w/ DS)	571-05603-204	708776		
	Wiring, Power Variable (380V / 400V / 415V 50Hz - 338A w/ DS)	571-05603-212	704523		
206	Lugs, Ground	025-32835-000	738755	2/3	31
207	Inductor (380V / 400V / 415V 50Hz - 225-232A)	025-42133-000	740060	1	32
	Inductor (380V 60Hz - 338A) (380V / 400V / 415V 50Hz - 283A / 338A)	025-40742-000	739923		
209	Nut, Expansion	021-14661-000	729841	21	33
216	SCR Trigger Board (60Hz)	031-02060-001	743858	1	31
	SCR Trigger Board (50Hz)	031-02060-002	63166		
217	Transformer, Control	See TABLE 18	-	1	31
219	Fan Assembly (380V / 400V / 415V 50Hz - 225-232A)	371-05278-801	704963	1	32
	Fan Assembly (380V / 400V / 415V 50Hz - 283 / 338A)	371-04179-812	692408		
	Fan Assembly (380V 60Hz - 338A)	371-04179-813	772632		
221	Flash, Logic Board U52	See TABLE 18/19	-	1	33
222	Power Assembly VSD	See TABLE 18/19	-	1	32
224	Harness, Main	571-05603-221	807139	1	35
225	Transformer, Current System #1 (380V / 400V / 415V 50Hz - 225-232A / 283A)	371-04178-365	772513	1	31
	Transformer, Current System #1 (380V 60Hz - 338A) (380V / 400V / 415V 50Hz - 338A)	371-04178-369	772515		
226	Transformer, Current System #2 (380V / 400V / 415V 50Hz - 225-232A / 283A)	371-04178-367	772514	1	31
	Transformer, Current System #2 (380V 60Hz - 338A) (380V / 400V / 415V 50Hz - 338A)	371-04178-378	772519		

**TABLE 24 (CONT'D) - VARIABLE SPEED DRIVE DUAL SYSTEMS (MODELS SPECIFIC PARTS)**

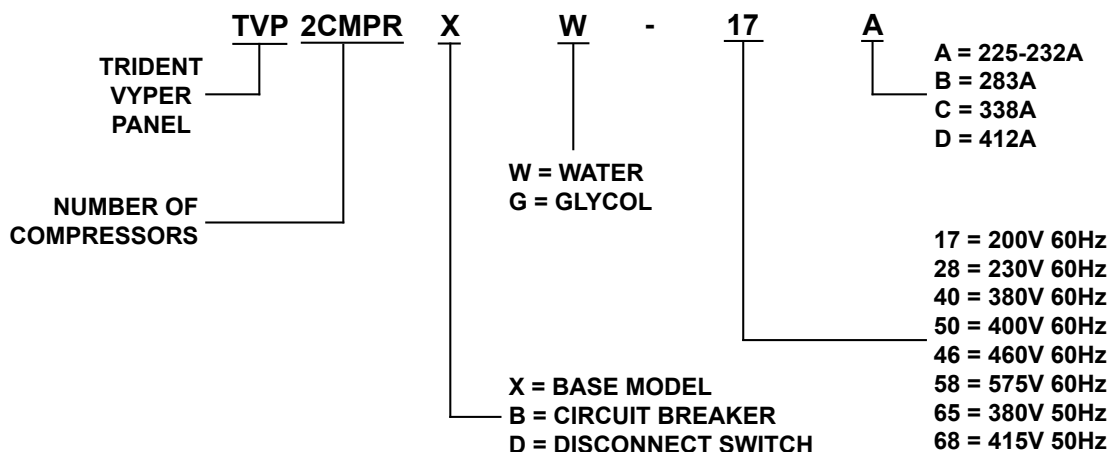
ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
227	Fuse, Holder, 3-pole 30a/600V	025-39952-000	343433	1	31
228	Fuse, Semi 700V (380V / 400V / 415V 50Hz - 225-232A / 283A)	025-42142-000	645566	3	32
	Fuse, Semi 700V (380V 60Hz - 338A) (380V / 400V / 415V 50Hz - 338A)	025-40763-000	739932		
231	Wiring, Power Common Parts (380V / 400V / 415V 50Hz - 225-232A)	571-05603-201	704518	1	32
	Wiring, Power Common Parts (380V / 400V / 415V 50Hz - 283A)	571-05603-205	692422		
	Wiring, Power Common Parts (380V 60Hz - 338A) (380V / 400V / 415V 50Hz - 338A)	571-05603-209	807137		
233	Fuse, Time Delay	025-35906-000	652698	2	31
234	Shield, C-H Breaker Terminal (w/ Circuit Breaker)	024-36075-000	645408	1	33
240	VSD, Logic Board	See TABLE 26/27	-	1	33
250	Kit, VSD Logic Board	See TABLE 26/27	-	-	*
260	Kit, VSD Power Assembly	See TABLE 26/27	-	-	*

**NOTE:** Items with an \* are NOT represented.



*When replacing any Model Specific VSD components, refer to the VSD Nomenclature to identify the correct VSD Power Voltage.*

### VARIABLE SPEED DRIVE NOMENCLATURE

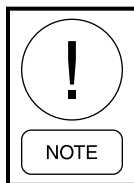


**TABLE 25 - VARIABLE SPEED DRIVE DUAL SYSTEM SERVICE KITS**

VSD MODEL NUMBER	POWER ASSEMBLY KIT	LOGIC BOARD KIT	CIRCUIT BREAKER / DISCONNECT KIT	CONTROL TRANSFORMER
TVP2CMPXW-50A	371-05279-402	331-02507-611	-	025-40114-005 (739754)
TVP2CMPXW-50B	371-04181-407		-	
TVP2CMPXW-50C	371-04181-408		331-02507-612	
TVP2CMPXW-65A	371-05279-402	331-02507-611	-	025-40114-007 (692407)
TVP2CMPXW-65B	371-04181-407		-	
TVP2CMPXW-65C	371-04181-408		331-02507-612	
TVP2CMPXW-68A	371-05279-402	331-02507-611	-	025-40114-011 (704962)
TVP2CMPXW-68B	371-04181-407		-	
TVP2CMPXW-68C	371-04181-408		331-02507-612	
TVP2CMPBW-40C	371-04181-408	331-02507-612	371-05617-005 (774284)	025-40114-007 (692407)
TVP2CMPBW-50A	371-05279-402	331-02507-611	371-05617-007 (704507)	025-40114-005 (739754)
TVP2CMPBW-50B	371-04181-407		371-05617-001 (692405)	
TVP2CMPBW-50C	371-04181-408		331-02507-612	
TVP2CMPBW-65A	371-05279-402	331-02507-611	371-05617-007 (704507)	025-40114-007 (692407)
TVP2CMPBW-65B	371-04181-407		371-05617-001 (692405)	
TVP2CMPBW-65C	371-04181-408		331-02507-612	
TVP2CMPBW-68A	371-05279-402	331-02507-611	371-05617-007 (704507)	025-40114-011 (704962)
TVP2CMPBW-68B	371-04181-407		371-05617-001 (692405)	
TVP2CMPBW-68C	371-04181-408		331-02507-612	
TVP2CMPDW-50A	371-05279-402	331-02507-611	371-05618-001 (704512)	025-40114-005 (739754)
TVP2CMPDW-50B	371-04181-407			
TVP2CMPDW-50C	371-04181-408	331-02507-612	371-05618-002 (704513)	
TVP2CMPDW-65A	371-05279-402	331-02507-611	371-05618-001 (704512)	025-40114-007 (692407)
TVP2CMPDW-65B	371-04181-407			
TVP2CMPDW-65C	371-04181-408			
TVP2CMPDW-68A	371-05279-402	331-02507-611	371-05618-001 (704512)	025-40114-011 (704962)
TVP2CMPDW-68B	371-04181-407			
TVP2CMPDW-68C	371-04181-408			

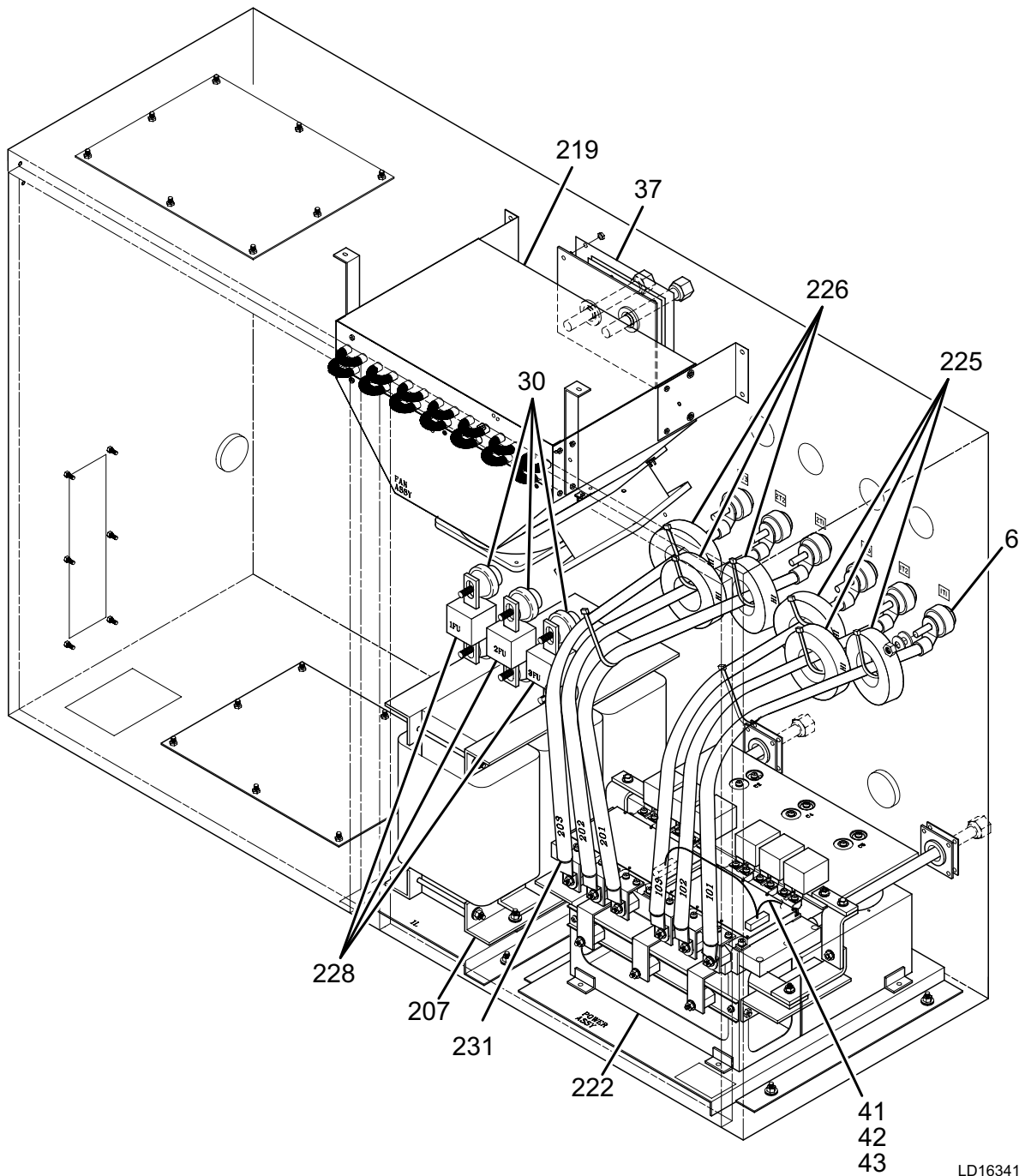
**TABLE 26 - VARIABLE SPEED DRIVE DUAL SYSTEM SERVICE KIT COMPONENTS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY
250	Kit, VSD Logic Board	331-02507-610	-	-
	Board, Logic	031-02507-000	360014	1
	Flash, VSD Logic U52	031-02649-010	743997	1
	EPROM, VSD Logic U39	031-02522-010	743927	1
250	Kit, VSD Logic Board	331-02507-611	-	-
	Board, Logic	031-02507-100	538835	1
	Flash, VSD Logic U52	031-02649-011	743998	1
	EPROM, VSD Logic U39	031-02522-010	743927	1
250	Kit, VSD Logic Board	331-02507-612	-	-
	Board, Logic	031-02507-000	360014	1
	Flash, VSD Logic U52	031-02649-012	743999	1
	EPROM, VSD Logic U39	031-02522-010	743927	1
260	Kit, VSD Power Assembly (225-232A)	371-05279-402	-	-
	Power Assembly, VSD	371-05279-101	773890	1
	Plug, FLA 5/8	023-22713-000	733711	2
	Coolant, Inhibitor, 1 gallon	013-02987-000	729086	2
260	Kit, VSD Power Assembly (283A)	371-05279-407	-	-
	Power Assembly, VSD	371-04181-101	772682	1
	Plug, FLA 5/8	023-22713-000	733711	2
	Coolant, Inhibitor, 1 gallon	013-02987-000	729086	2
260	Kit, VSD Power Assembly (338A)	371-05279-408	-	-
	Power Assembly, VSD	371-04181-104	772685	1
	Plug, FLA 5/8	023-22713-000	733711	2
	Coolant, Inhibitor, 1 gallon	013-02987-000	729086	2
260	Kit, VSD Power Assembly (412A)	371-05679-402	-	-
	Power Assembly, VSD	371-05679-101	-	1
	Plug, FLA 5/8	023-22713-000	733711	2
	Coolant, Inhibitor, 1 gallon	013-02987-000	729086	2



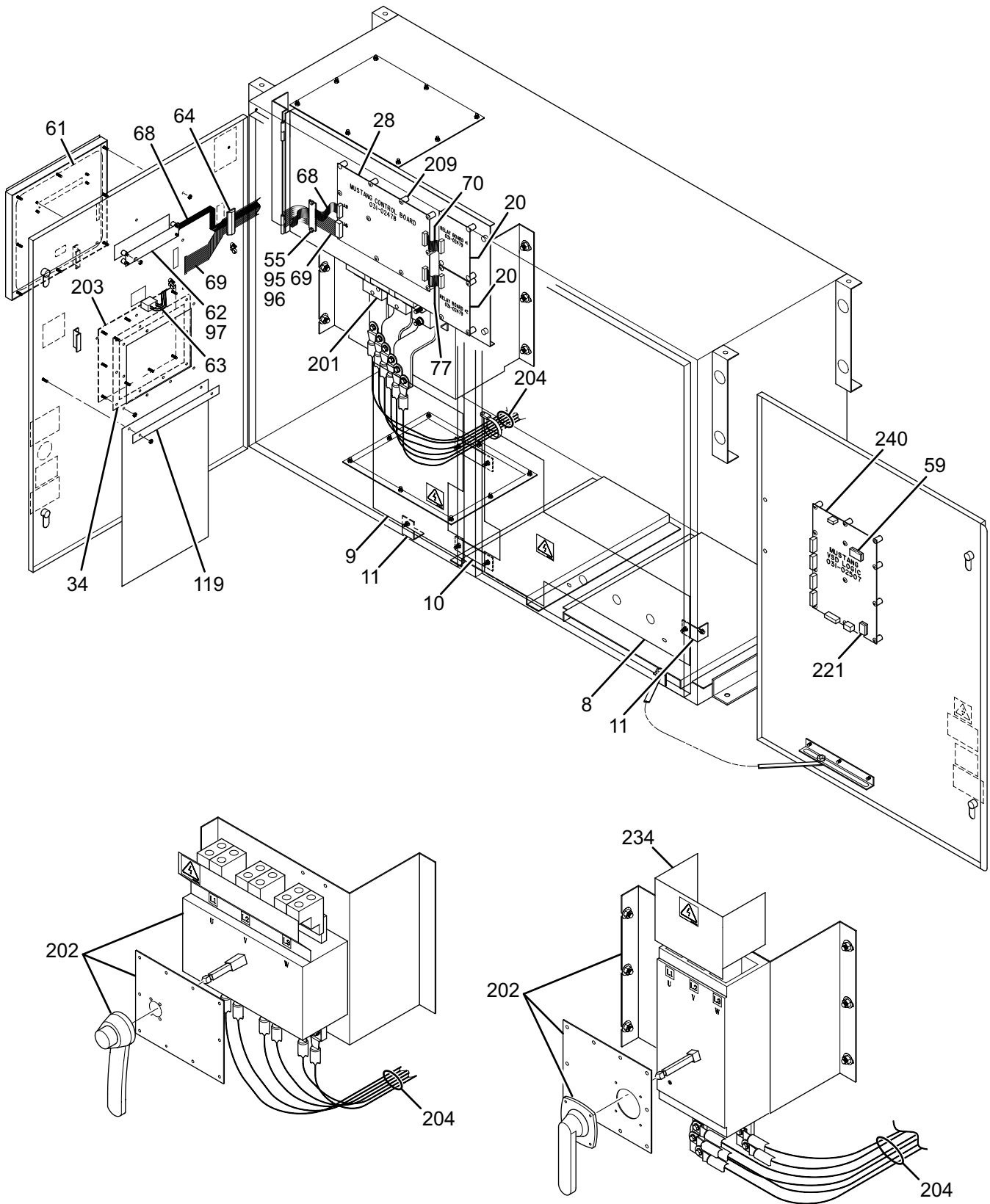
***When replacing any VSD Kits, refer to TABLE 18 to identify the correct VSD kit applicable per the model number.***





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**FIGURE 32 - VARIABLE SPEED DRIVE DUAL SYSTEM**

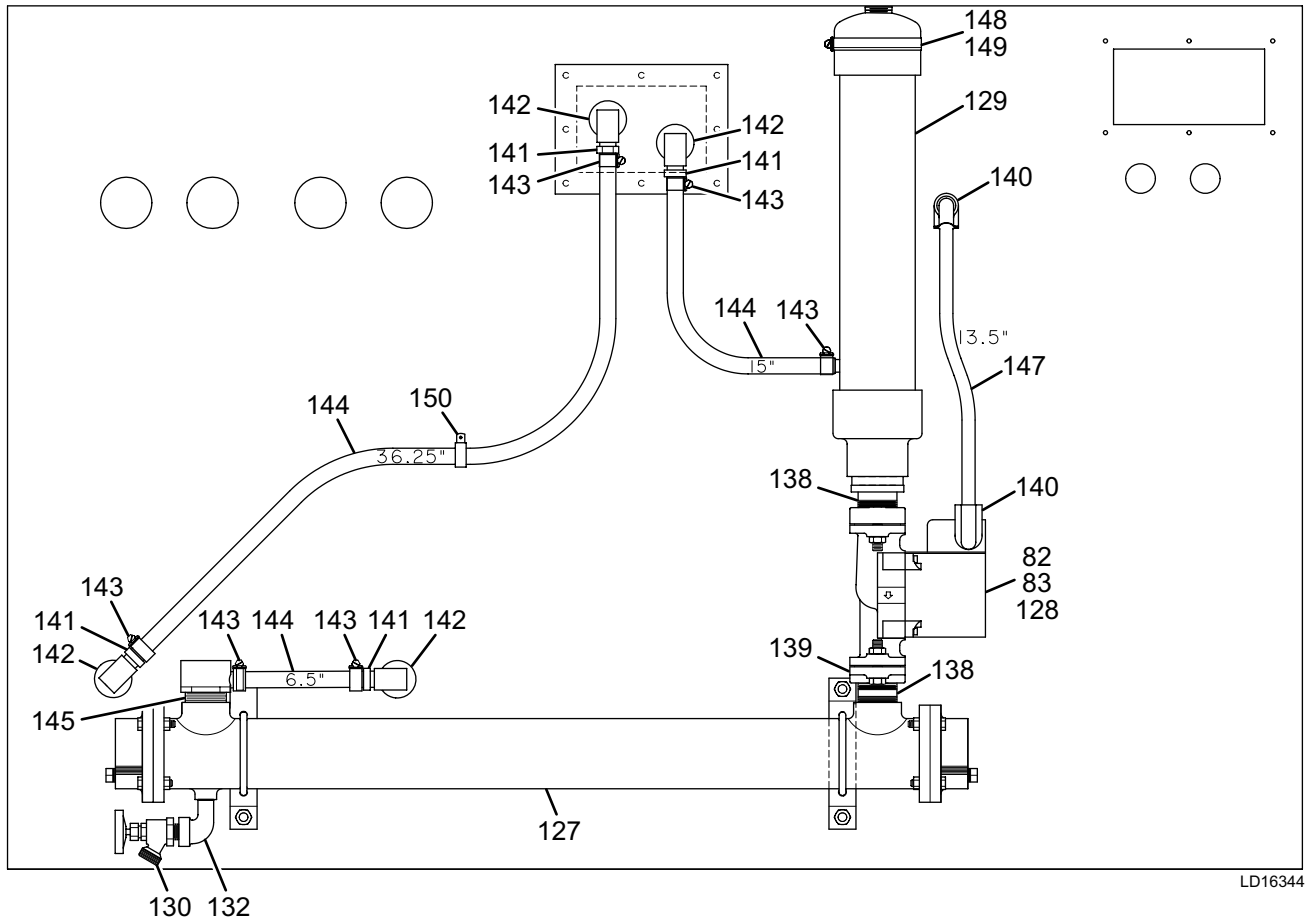


OPTIONAL DISCONNECT SWITCH

OPTIONAL CIRCUIT BREAKER

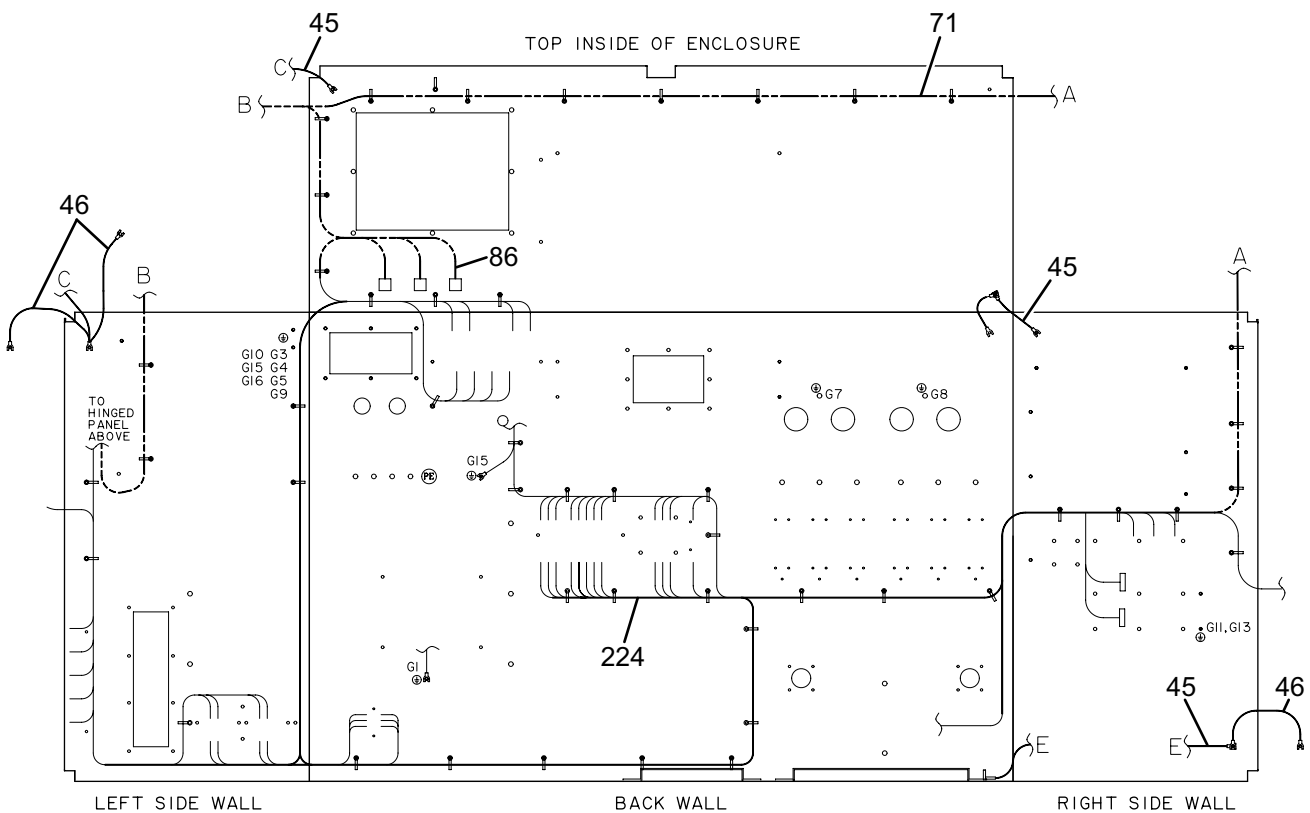
LD16343

**FIGURE 33 - VARIABLE SPEED DRIVE DUAL SYSTEM**



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**FIGURE 34 - VARIABLE SPEED DRIVE DUAL SYSTEM**

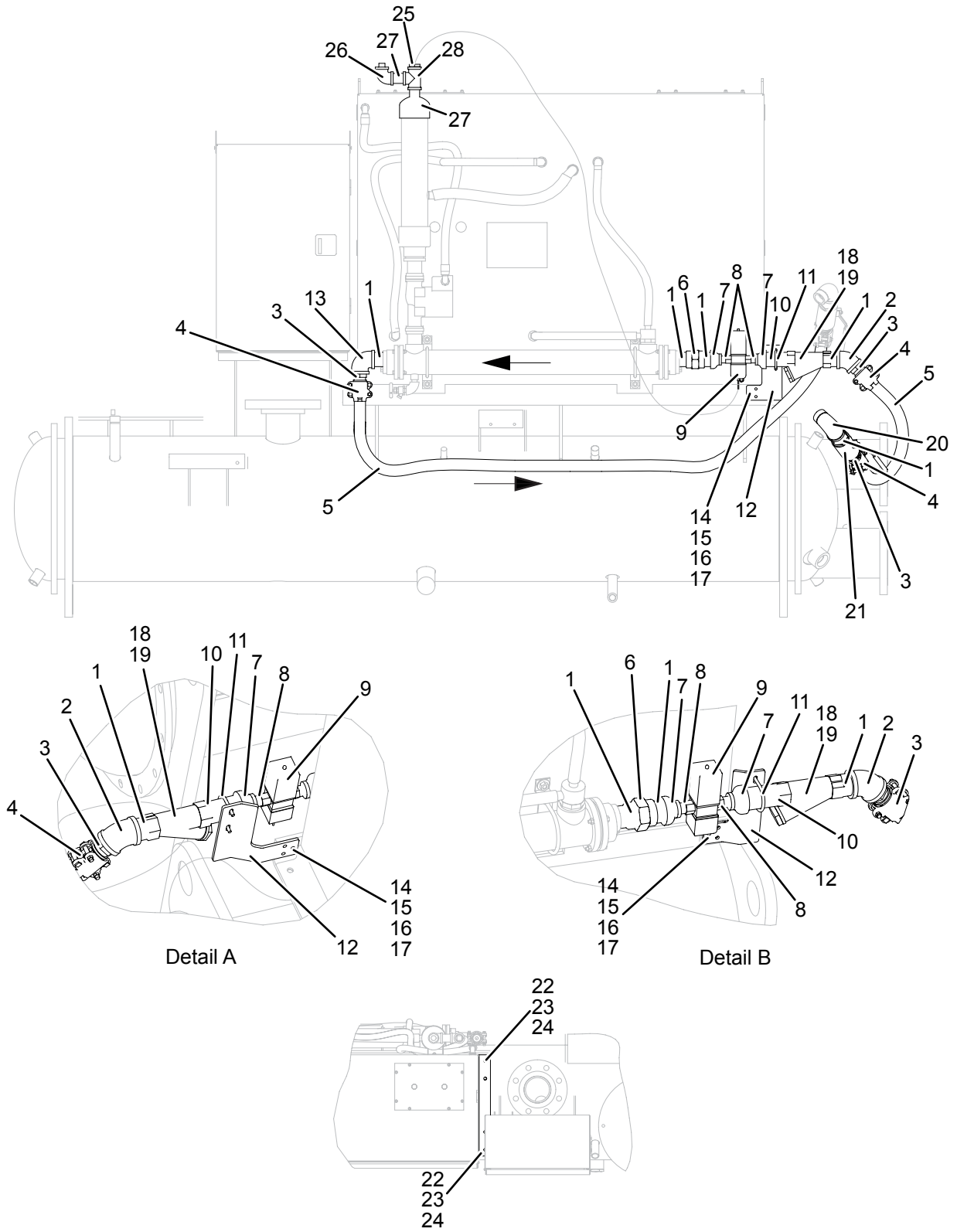


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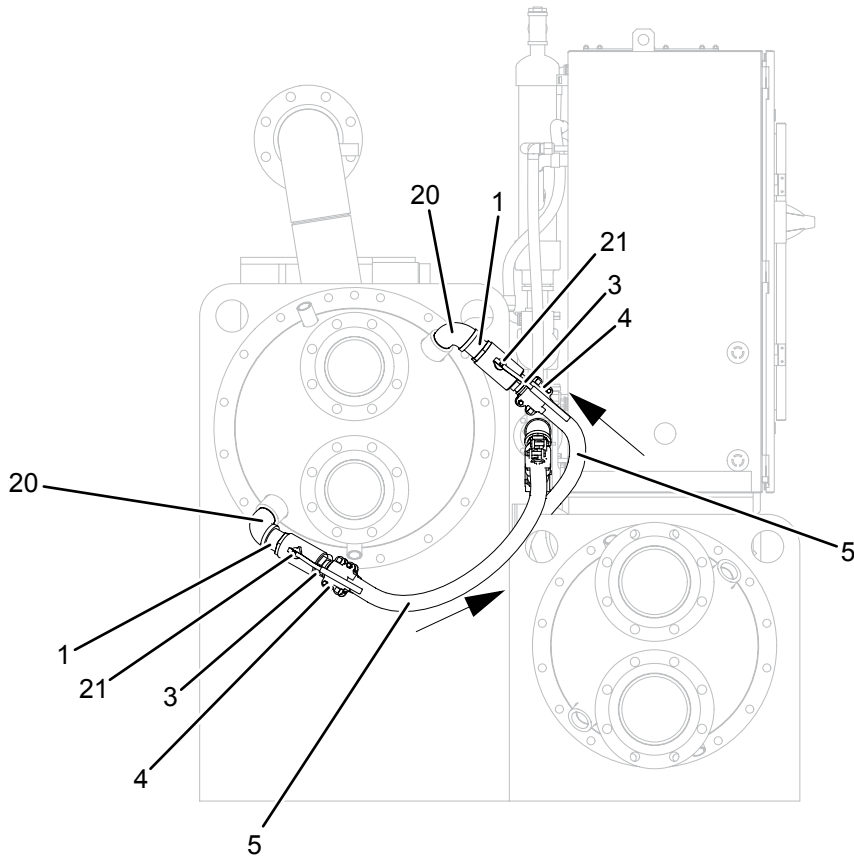
**FIGURE 35 - VARIABLE SPEED DRIVE DUAL SYSTEM DUAL SYSTEM**

**TABLE 27 - VARIABLE SPEED DRIVE INSTALLATION SINGLE SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	FIGURE
1	NIPPLE PIPE 1-1/2 SCH 40 X	023-18209-000	60695	36, 37
2	ELBOW SCR 1-1/2 x 11-1/2 NPTI 45 DEG	023-11637-000	146762	36
3	ADAPTER STEM MALE 1-1/2 NPT	023-40047-000	573160	36, 37
4	CLAMP HOSE 1-1/2; 2 U BOLT	023-40048-000	116365	36, 37
5	HOSE, 300 PSI, 1-1/2 ID X 2-3/64 TO	028-15028-000	144458	36, 37
6	ELBOW SCREW STREET 1-1/2 NPTI (Condenser)	023-17785-000	617581	36
	UNION SCR 1-1/2 NPTI GRD (Evaporator)	023-17625-000	146679	
7	VALVE BALL 1-1/2 NPTI X 1-1/2 (Condenser)	022-08873-000	336758	36
	CPLG NPTI MIG 150# 1.50 X .75 (Evaporator)	023-17587-000	160697	
8	HCS5 0.375-16 X 1.500 GR 5 ZN (Condenser)	021-32006-012	730819	36
	NIPPLE PIPE 3/4 SCH 40 X (Evaporator)	023-15860-000	116281	
9	LKWASH TH INT HVY 3/8: (Condenser)	021-01158-000	729323	36
	VALVE REG TEMP (Evaporator)	022-08817-000	116003	
10	NUT HEX 0.375-16 X GR 5 ZN. (Condenser)	021-32006-501	616900	36
	NIPPLE PIPE 1-1/2 SCH 40 X (Evaporator)	023-18204-000	97839	
11	ELBOW SCREW 1-1/2 NPTI 90 (Condenser)	023-01648-000	617255	36
	Bolt U 1/4 Dia X 1-1/2 BET LEGS X 3-1/2 (Evaporator)	021-15713-000	835388	
12	SUPPORT 186X190X6 STL (Frame B)	092-10668-000	926908	36
	SUPPORT 50X50X6 L=200 (Frame D)	092-06572-000	835389	
13	ELBOW SCREW 1-1/2 NPTI 90	023-01648-000	617255	36
14	HCS5 0.250-20 X 1.250 GR 5 ZN	021-32004-010	730794	36
15	NUT HEX 0.250-20 X GR 5 ZN	021-32004-501	616899	36
16	WASH PLN 0.250 ZN, 0.625/0.065	021-32004-503	641533	36
17	WASH HEL SPR-LCK 0.250 REG, ZN	021-32004-504	705356	36
18	STR 1-1/2 IN NPTI CONNS	029-21798-000	742812	36
19	PLUG PIPE 1 - 11 NPTE	023-18084-000	732895	36
20	ELBOW SCREW STREET 1-1/2 NPTI	023-17785-000	617581	36, 37
21	VALVE BALL 1-1/2 NPTI X 1-1/2	022-08873-000	336758	36, 37
22	HCS5 0.375-16 X 1.500 GR 5 ZN	021-32006-012	730819	36
23	LKWASH TH INT HVY 3/8:	021-01158-000	729323	36
24	NUT HEX 0.375-16 X GR 5 ZN.	021-32006-501	616900	36
25	BUSH PIPE 1 - 11-1/2 NPTE	023-09029-000	732054	36
26	ELBOW SCREW 1 NPTI 90 DEG	023-01643-000	731549	36
27	NIPPLE PIPE 1 SCH 80X1-1/2 LG	023-24421-000	733951	36
28	TEE SCREW 1 X 1 X 1 NPTI,	023-01959-000	731552	36



**FIGURE 36 - VARIABLE SPEED DRIVE INSTALLATION SINGLE SYSTEM**

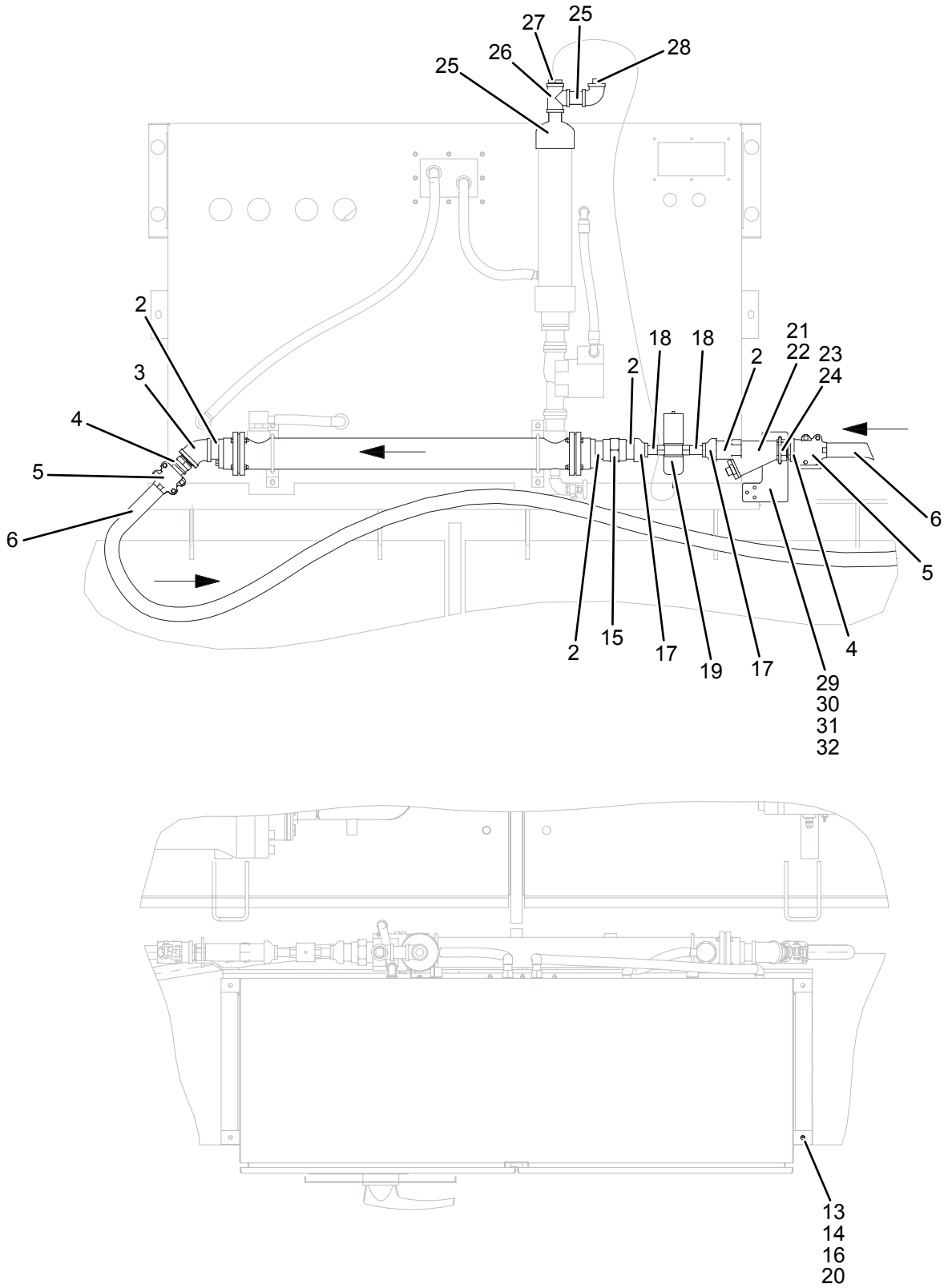


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**FIGURE 37 - VARIABLE SPEED DRIVE INSTALLATION SINGLE SYSTEM**

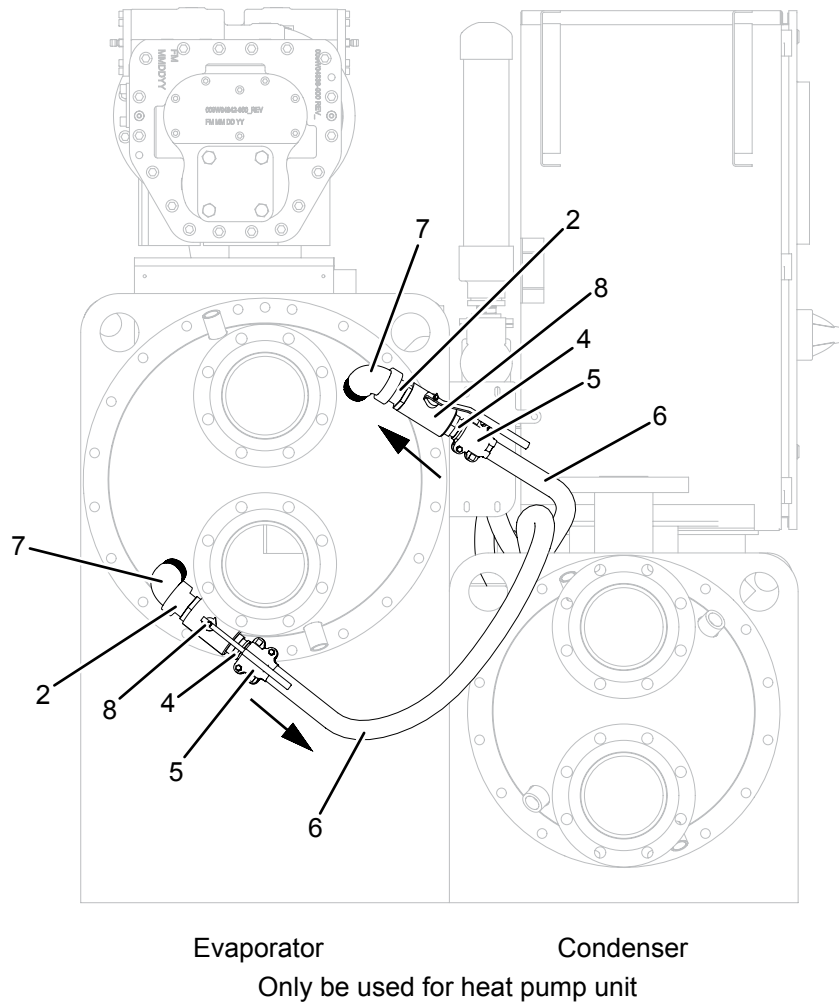
**TABLE 28 - VARIABLE SPEED DRIVE INSTALLATION DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	FIGURE
2	NIPPLE PIPE 1-1/2 SCH 40 X	023-18209-000	60695	38, 29
3	ELBOW SCR 1-1/2 x 11-1/2 NPTI 45 DEG	023-11637-000	146762	38
4	ADAPTER STEM MALE 1-1/2 NPT	023-40047-000	573160	38, 39
5	CLAMP HOSE 1-1/2; 2 U BOLT	023-40048-000	116365	38, 39
6	HOSE, 300 PSI, 1-1/2 ID X 2-3/64 TO	028-15028-000	144458	38, 39
7	ELBOW SCREW STREET 1-1/2 NPTI	023-17785-000	617581	39
8	VALVE BALL 1-1/2 NPTI X 1-1/2	022-08873-000	336758	39
13	HCS5 0.375-16 X 1.500 GR 5 ZN	021-32006-012	730819	38
14	LKWASH TH EXTNL INT 3/8	021-10784-000	729521	38
15	WASHER PLAIN 3/8 ID X 11/16 OD (Condenser)	021-29507-000	553615	38
	UNION SCR 1-1/2 NPTI GRD (Evaporator)	023-17625-000	146679	
16	NUT HEX 0.375-16 X GR 5 ZN.	021-32006-501	616900	38
17	CPLG NPTI MIG 150# 1.50 X .75	023-17587-000	160697	38
18	NIPPLE PIPE 3/4 SCH 40 X	023-15860-000	116281	38
19	VALVE REG TEMP	022-08817-000	116003	38
20	WASHER PLAIN 3/8 ID X 11/16 OD	021-29507-000	553615	38
21	STR 1-1/2 IN NPTI CONNS	029-21798-000	742812	38
22	PLUG PIPE 1 - 11 NPTE	023-18084-000	732895	38
23	SUPPORT 50X50X6 L=200	092-06572-000	835389	38
24	BOLT U 1/4 DIA X 2-1/4	021-12985-000	1035928	38
25	NIPPLE PIPE 1 SCH 80X1-1/2 LG	023-24421-000	733951	38
26	TEE SCREW 1 X 1 X 1 NPTI,	023-01959-000	731552	38
27	BUSH PIPE 1 - 11-1/2 NPTE	023-09029-000	732054	38
28	ELBOW SCREW 1 NPTI 90 DEG	023-01643-000	731549	38
29	HCS5 0.250-20 X 1.250 GR 5 ZN	021-32004-010	730794	38
30	NUT HEX 0.250-20 X GR 5 ZN	021-32004-501	616899	38
31	WASH PLN 0.250 ZN, 0.625/0.065	021-32004-503	641533	38
32	WASH HEL SPR-LCK 0.250 REG, ZN	021-32004-504	705356	38



**FIGURE 38 - VARIABLE SPEED DRIVE INSTALLATION DUAL SYSTEM**

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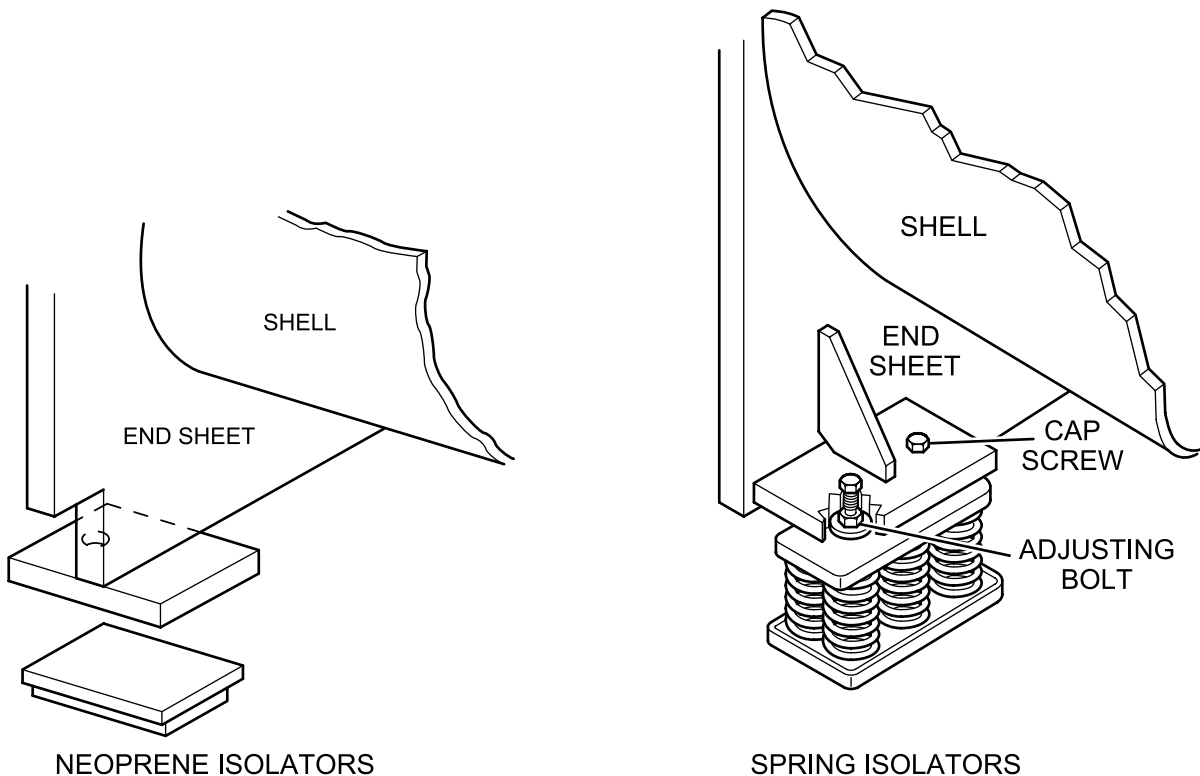
**FIGURE 39 - VARIABLE SPEED DRIVE INSTALLATION DUAL SYSTEM**

**TABLE 29 - NEOPRENE PAD ISOLATORS**

OPERATING WEIGHT		DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	PAD SIZE
KILOGRAMS	POUNDS				
Up to 7,423	Up to 16,365	Isolator, Neoprene Pad	028-14462-000	741884	5.5" x 5.5" (14 x 14cm)
7,424 to 13,107	16,366 to 28,835	Isolator, Neoprene Pad	028-14459-000	741881	7" x 5.5" (23 x 14cm)
13,108 to 24,332	28,836 to 53,530	Isolator, Neoprene Pad	028-14460-000	741882	9" x 7" (23 x 18cm)
24,333 to 45,666	53,531 to 100,464	Isolator, Neoprene Pad	028-14461-000	741883	10" x 11" (25 x 28cm)

**TABLE 30 - SPRING ISOLATORS**

OPERATING WEIGHT		DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY (PER PACKAGE)
KILOGRAMS	POUNDS				
3,187 to 4,535	7,020 to 9,999	Isolator, Spring	029-26589-000	1060553	4
					1
4,536 to 8,873	10,000 to 19,563	Isolator, Spring	029-23716-000	743152	4
					1
8,874 to 11,093	19,564 to 24,457	Isolator, Spring	029-21793-000	742810	4
					1
11,094 to 13,982	24,458 to 30,826	Isolator, Spring	029-21376-000	742777	4
					1
13,983 to 15,880	30,827 to 35,009	Isolator, Spring	029-20933-000	742757	4
					1



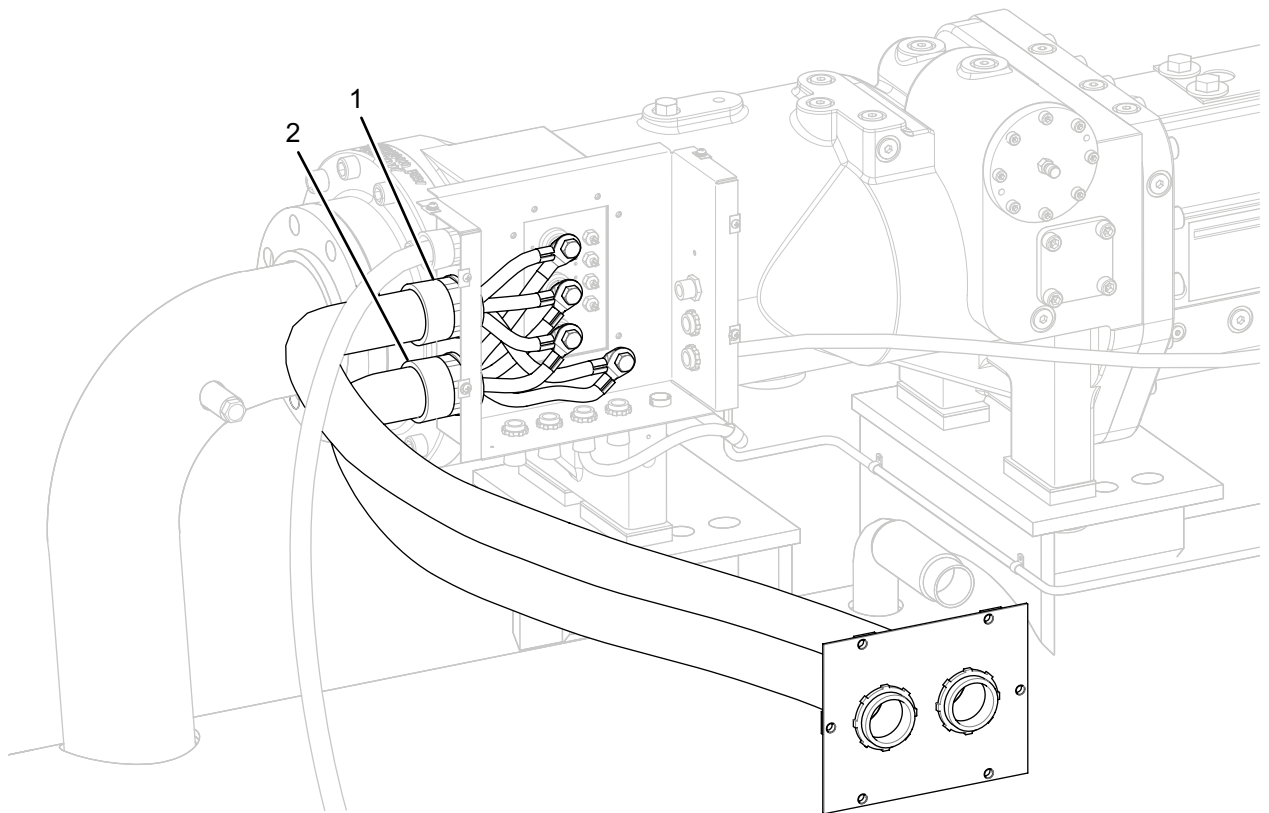
**FIGURE 40 - NEOPRENE PAD ISOLATORS / SPRING ISOLATORS**

**TABLE 31 - POWER WIRING SINGLE SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>0 - 235 RATED LOAD AMPS (392-07173-000)</b>					
<b>1</b>	Harness Compr PW A 35	592-07172-101	1061145	1	41
	Conduit, 2"	025-30474-000	738506	3.47 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34041-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34049-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34401-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34039-000	-	1	*
<b>2</b>	Harness Compr PW B 35	592-07172-102	1061146	1	41
	Conduit, 2"	025-30474-000	738506	4.38 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34041-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34049-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34401-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34039-000	-	1	*
<b>236 - 286 RATED LOAD AMPS (392-07173-001)</b>					
<b>1</b>	Harness Compr Power A	592-07172-103	841629	1	41
	Conduit, 2"	025-30474-000	738506	3.47 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-25150-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34051-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37802-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34041-000	-	1	*
<b>2</b>	Harness Compr Power B	592-07172-104	841630	1	41
	Conduit, 2"	025-30474-000	738506	4.38 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-25150-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34051-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37802-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34041-000	-	1	*

**TABLE 31 (CONT'D) - POWER WIRING SINGLE SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>287 - 366 RATED LOAD AMPS (392-07173-002)</b>					
<b>1</b>	Harness Compr Power A	592-07172-105	841631	1	41
	Conduit, 2"	025-30474-000	738506	3.47 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>2</b>	Harness Compr Power B	592-07172-106	841632	1	41
	Conduit, 2"	025-30474-000	738506	4.38 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>367 - 443 RATED LOAD AMPS (392-07173-003)</b>					
<b>1</b>	Harness Compr Power A	592-07172-107	841633	1	41
	Conduit, 2"	025-30474-000	738506	3.47 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34045-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34459-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>2</b>	Harness Compr Power B	592-07172-108	841634	1	41
	Conduit, 2"	025-30474-000	738506	4.38 ft.	*
	Connector, 2" Straight Connector (Comp. JB End)	025-30475-000	-	1	*
	Connector, 2" Straight Connector (VSD Panel End)	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34045-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34459-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*



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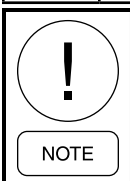
**FIGURE 41 - POWER WIRING SINGLE SYSTEMS**

**TABLE 32 - POWER WIRING DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>0 - 235 RATED LOAD AMPS (392-00681-000)</b>					
<b>1</b>	HARNESS COMPRESSOR 1A	592-00580-401	716626	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34041-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34049-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34401-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34039-000	-	1	*
<b>2</b>	HARNESS COMPRESSOR 1B	592-00580-402	716627	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34041-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34049-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34401-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34039-000	-	1	*
<b>3</b>	HARNESS COMPRESSOR 2A	592-00580-403	716628	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34041-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34049-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34401-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34039-000	-	1	*
<b>4</b>	HARNESS COMPRESSOR 2B	592-00580-404	716629	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34041-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34049-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-34401-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34039-000	-	1	*
<b>235 - 286 RATED LOAD AMPS (392-00681-001)</b>					
<b>1</b>	HARNESS COMPRESSOR 1A	592-00580-201	683093	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-25150-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34051-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37802-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34041-000	-	1	*

**TABLE 32 (CONT'D) - POWER WIRING DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>2</b>	HARNESS COMPRESSOR 1B	592-00580-202	683094	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-25150-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34051-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37802-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34041-000	-	1	*
<b>3</b>	HARNESS COMPRESSOR 2A	592-00580-203	683095	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-25150-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34051-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37802-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34041-000	-	1	*
<b>4</b>	HARNESS COMPRESSOR 2B	592-00580-204	683096	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-25150-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34051-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37802-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34041-000	-	1	*
<b>286 - 366 RATED LOAD AMPS (392-00681-002)</b>					
<b>1</b>	HARNESS COMPRESSOR 1A	592-00580-411	716618	1	42
	Conduit, 2"	025-30474-000	738506	3 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>2</b>	HARNESS COMPRESSOR 1B	592-00580-412	716620	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*



*When replacing any Power Wiring, refer to the Compressor Data Plate to identify the Rated Load Amps (LRA).*

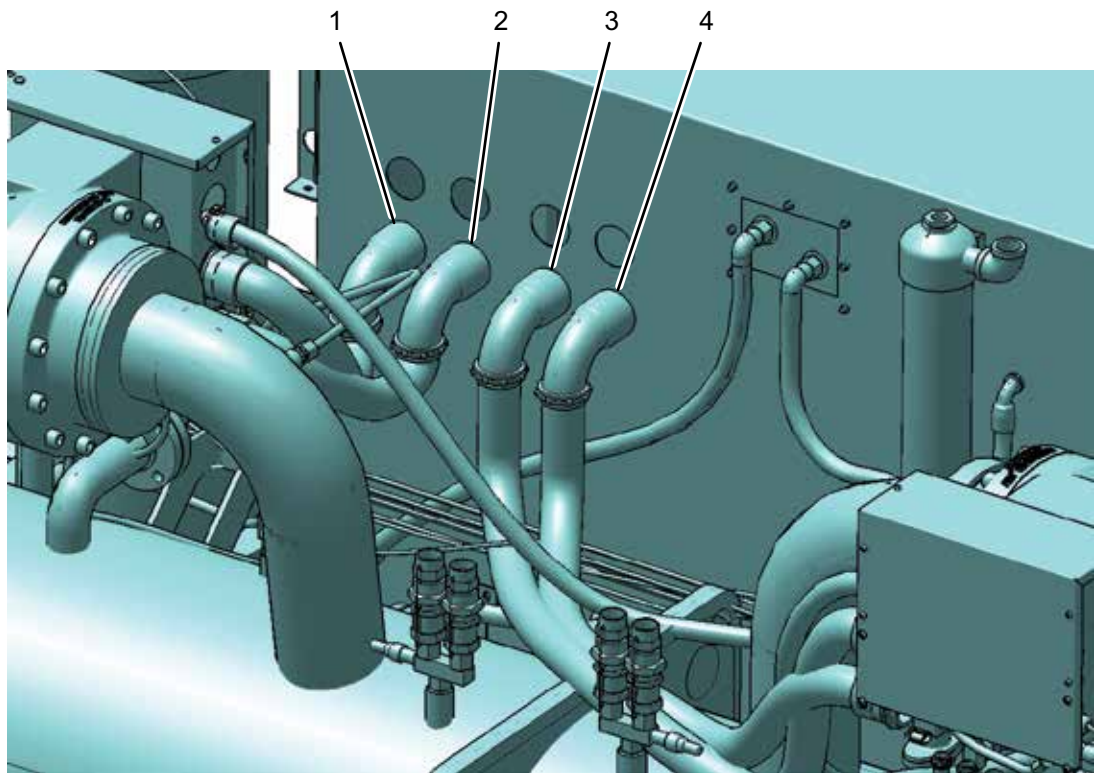
**TABLE 32 (CONT'D) - POWER WIRING DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>3</b>	HARNESS COMPRESSOR 2A	592-00580-413	716621	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>4</b>	HARNESS COMPRESSOR 2B	592-00580-414	716622	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>367 - 443 RATED LOAD AMPS (392-00681-003)</b>					
<b>1</b>	HARNESS COMPR PW 1A 95	592-00580-405	886335	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>2</b>	HARNESS COMPR PW 1B 95	592-00580-406	886336	1	42
	Conduit, 2"	025-30474-000	738506	2.75 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*
<b>3</b>	HARNESS COMPR PW 2A 95	592-00580-409	1061143	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*

**TABLE 32 (CONT'D) - POWER WIRING DUAL SYSTEMS**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
4	HARNESS COMPR PW 2B 95	592-00580-410	1061144	1	42
	Conduit, 2"	025-30474-000	738506	6.67 ft.	*
	Connector, 2" 90° Angle Connector	025-30476-000	738508	1	*
	Connector, 2" Straight Connector	025-30475-000	-	1	*
	Ring Tongue, 7/16" (Comp End)	025-34044-000	-	3	*
	Ring Tongue, 1/2" (Comp End)	025-34052-000	-	1	*
	Ring Tongue, 3/8" (VSD End)	025-37803-000	-	3	*
	Ring Tongue, 7/16" (VSD End)	025-34042-000	-	1	*

**NOTE:** Items with an \* are NOT represented.

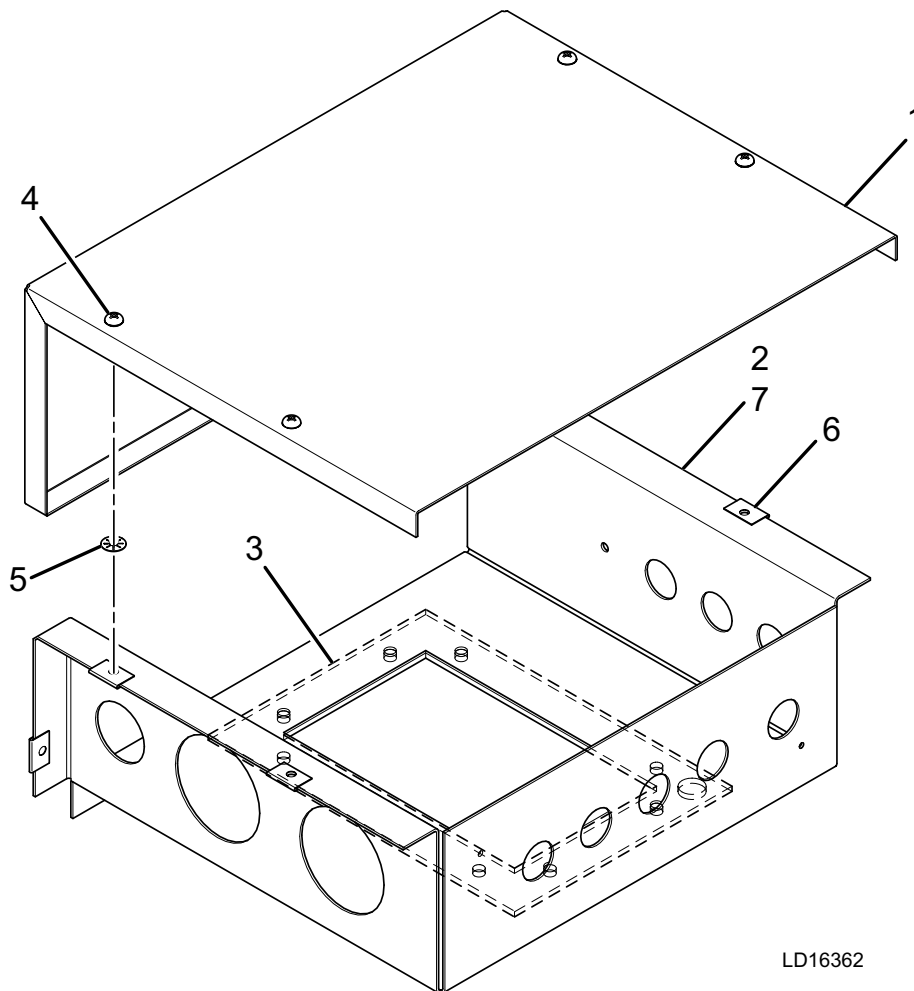


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**FIGURE 42 - POWER WIRING DUAL SYSTEMS**

**TABLE 33 - JUNCTION BOX**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
-	JUNCTION BOX ASSY YVWA	392-00905-000	804762	2	
1	Cover, Junction Box Compr	092-00905-100	716612	4	43
2	Wrapped, Junction Box	092-00905-200	716613	4	43
3	Gasket, Compr Junction Box	028-15268-000	561654	4	43
4	Captive Screw, Quick Opening	021-19405-000	730493	24	43
5	Retainer, (Captive Screw)	021-19406-000	730494	24	43
6	Receptacle, Clip-On	021-19407-000	730495	24	43
7	Strip, 1/8 X 3/4 X Roll	028-11995-000	741671	14	43



**FIGURE 43 - JUNCTION BOX**

**TABLE 34 - CONTROL WIRING SINGLE SYSTEM**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
1	Sensor Temp 3000 Ohms	025-29964-000	401192	4	44
2	Connr. CA 1-1/2	025-39622-000	739688	-	44
3	Plate, Cover Control Panel	025-39474-104	739632	-	44
4	Well Thermo	026-32328-000	1467	4	44
5	Connector, Male Din 43850	025-40232-000	144690	1	44
14	Gasket Control Panel System	028-14485-000	144453	1	44
18	Insulation Electrical	025-32982-000	738790	1	44
2	HARNESS COMPR HEATER	592-07172-059	842046	1	44
	Heater	025-32938-000	1371	1	
	Connector 3/8" Straight Connector	025-31309-000	117547	1	
	Term. Pin #20-14 Awg	025-20919-000	737624	2	
6	GROUND WIRE TRIDENT	592-00580-230	686510	1	44
	Wire #14 Awg Grn/Yel	025-34027-000	738983	0.83 ft.	
	1/4" Ring Tongue 14 - 16 Awg	025-21101-000	737633	1	
	Term. Pin #20-14 Awg	025-20919-000	737624	1	
7	HARNESS COMPR CONTROL	592-07172-100	842048	1	44
	Conduit 1"	025-31321-000	695869	8.86	
	Connector 1" Straight (Control Panel)	025-31312-000	738592	1	
	Connector 1" Straight (Comp. Jb)	025-31312-000	738592	1	
	Connr. Socket Awg 14 -20	025-19673-000	737536	13	
8	Hsg Connr Electrical Cap	025-20787-000	737566	1	44
9	Fitting Liquid Tight 1/2 Npt	025-28720-000	117421	1	44
10	Locknut, 1/2 NPT Nylon	025-34090-000	435354	-	44
15	HARNESS LEAVING CHILLED TEMP	592-07172-001	842028	1	44
	2 Cond. Shield Wire	025-30463-002	738502	150 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar	025-28950-000	65212	2	
	Contact Recptacle	025-28952-000	260	2	
16	HARNESS ENTERING CHILLED TEMP	592-07172-002	842029	1	44
	2 Cond. Shield Wire	025-30463-002	738502	143 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar	025-28950-000	65212	2	
	Contact Recptacle	025-28952-000	260	2	
18	HARNESS COMPR MOTOR TEMP	592-07172-004	842030	1	44
	4 Cond. Shield Wire	025-32940-000	738777	104 in.	
	Mini- Univ Socket	025-28386-000	737925	5	
	1/4 Push-On	025-06874-000	117021	4	

**TABLE 34 (CONT'D) - CONTROL WIRING SINGLE SYSTEM**

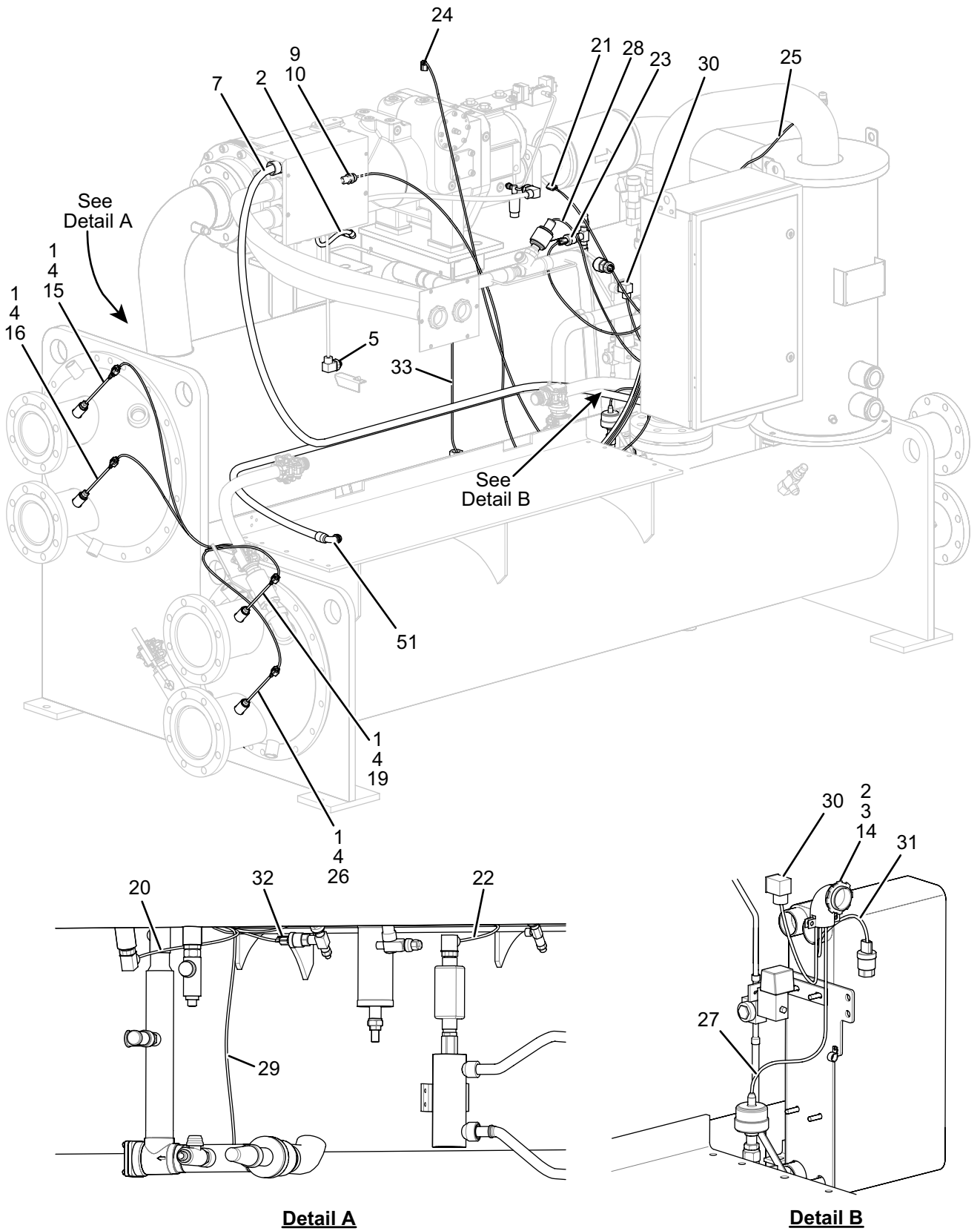
ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
19	HARNESS LEAVING COND TEMP	592-07172-006	842031	1	44
	2 Cond. Shield Wire	025-30463-002	738502	148 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Leaving Cond. Temp.)	025-28950-000	65212	2	
	Contact Recptacle (Leaving Cond. Temp.)	025-28952-000	260	2	
20	HARNESS EVAP TEMP	592-07172-007	842032	1	44
	2 Cond. Shield Wire	025-30463-002	738502	64 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Evap. Temp. )	025-28950-000	65212	2	
	Contact Recptacle (Evap. Temp.)	025-28952-000	260	2	
21	HARNESS DISCHARGE TEMP	592-07172-008	842033	1	44
	2 Cond. Shield Wire	025-30463-002	738502	40 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	0.42 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Disch. Temp. )	025-28950-000	65212	2	
	Contact Recptacle (Disch. Temp.)	025-28952-000	260	2	
22	HARNESS COND LEVEL	592-07172-009	842034	1	44
	3 Cond. Shield Wire	025-30463-003	738503	77 in.	
	Din 43650 Connector	025-37805-000	144713	1	
	Mini- Univ Socket	025-28386-000	737925	4	
23	HARNESS EVAP PRESS	592-07172-010	842035	1	44
	3 Cond. Shield Wire	025-30463-003	738503	46 in.	
	Plug Connector	025-28954-000	62725	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	4	
	Collar (Evap Press)	025-28950-000	65212	3	
	Contact Recptacle (Evap Press)	025-28952-000	260	3	
24	HARNESS OIL PRESS	592-07172-011	842036	1	44
	3 Cond. Shield Wire	025-30463-003	738503	102 in.	
	Plug Connector	025-28954-000	62725	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	4	
	Collar (Oil Press)	025-28950-000	65212	3	
	Contact Recptacle (Oil Press)	025-28952-000	260	3	
25	HARNESS DISCHARGE PRESS	592-07172-012	842037	1	44
	3 Cond. Shield Wire	025-30463-003	738503	51 in.	
	Plug Connector	025-28954-000	62725	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	4	
	Collar (Disch. Press)	025-28950-000	65212	3	
	Contact Recptacle (Disch Press)	025-28952-000	260	3	

**TABLE 34 (CONT'D) - CONTROL WIRING SINGLE SYSTEM**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
26	HARNESS ENTERING COND TEMP	592-07172-013	842038	1	44
	3 Cond. Shield Wire	025-30463-003	738503	151 in.	
	Plug Connector	025-28954-000	62725	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Entering Cond. Temp)	025-28950-000	65212	2	
	Contact Recptacle (Entering Cond. Temp)	025-28952-000	260	2	
27	HARNESS ECO FEED VALVE	592-07172-022	842039	1	44
	4 Cond. Shield Cable	025-32940-000	738777	42 in.	
	M12 Connector 1838274-2 Te	025-44341-279	859025	1	
28	HARNESS COND DRAIN VALVE	592-07172-023	842040	1	44
	4 Cond. Shield Cable	025-32940-000	738777	54.1 in.	
	M12 Connector 1838274-2 Te	025-44341-279	859025	1	
29	HARNESS SUBCOOLED TEMP	592-07172-027	842041	1	44
	2 Cond. Shield Wire	025-30463-002	738502	66 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Sub Liquid Temp)	025-28950-000	65212	2	
	Contact Recptacle (Sub Liquid Temp)	025-28952-000	260	2	
30	HARNESS ECO TEMP	592-07172-028	842042	1	44
	2 Cond. Shield Wire	025-30463-002	738502	28 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Eco. Temp)	025-28950-000	65212	2	
	Contact Recptacle (Eco. Temp)	025-28952-000	260	2	
31	HARNESS ECO PRESS	592-07172-031	842043	1	44
	3 Cond. Shield Wire	028-30463-003	-	37 in.	
	Plug Connector	025-28954-000	62725	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	4	
	Collar (Eco. Press)	025-28950-000	65212	3	
	Contact Recptacle (Eco. Press)	025-28952-000	260	3	
32	HARNESS COND PRESS	592-07172-032	842044	1	44
	3 Cond. Shield Wire	028-30463-003	-	52 in.	
	Plug Connector	025-28954-000	62725	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	4	
	Collar (Cond. Press)	025-28950-000	65212	3	
	Contact Recptacle (Cond. Press)	025-28952-000	260	3	

**TABLE 34 (CONT'D) - CONTROL WIRING SINGLE SYSTEM**

ITEM	DESCRIPTION	PART NUMBER	SAP	QUANTITY	FIGURE
33	HARNESS EDUCTOR TEMP	592-07172-050	842045	1	44
	2 Cond. Shield Wire	025-30463-002	738502	76 in.	
	Plug Connector	025-28951-000	62724	1	
	Tubing Heat Shrinkable	025-44708-001	842819	.042 ft.	
	Mini- Univ Socket	025-28386-000	737925	3	
	Collar (Educator Temp)	025-28950-000	65212	2	
	Contact Recptacle (Eductor Temp)	025-28952-000	260	2	
51	HARNESS, CP-VSD LINK	592-07172-064	842047	1	44
	Conduit 1/2"	025-30473-000		8.36 ft.	
	Connector 1/2" Control Panel	025-31310-000		1	
	Connector 1/2" VSD	025-31316-000		1	
	Wire, 4 Cond. W/Foil Shield Wire	025-32940-000		144 in.	
	Contact Receptacle 24-20 AWG.	025-35970-000		5	
	Plug, Hsg. Closed End 5 Circuit	025-39990-000		1	



**FIGURE 44 - SYSTEM WIRING SINGLE SYSTEMS**

**TABLE 35 - CONTROL WIRING DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
1	Sensor Temp 3000 Ohms	025-29964-000	401192	4	45
3	Strap Cable T&B L4-18-9-M	025-18167-000	588760	30	*
4	Well Thermo	026-32328-000	1467	4	45
5	Connector, Male Din 43850	025-40232-000	144690	2	*
9	Strap, Cable	025-42952-000	740184	30	*
14	Gasket Sensor Harness	028-15272-000	556341	1	46
15	Strap Cable T&B L-24-120-0-L	025-35132-000	739131	30	*
18	Insulation Electrical	025-32982-000	738790	1	*
1	COMM PARTS COMPR SUB ASSY	-	-	-	-
	Clamp X-Tra Hvy 7/8 Od 1	023-18276-000	64630	1	*
	Plug, Dome Snapin, Black	028-15328-000	394351	5	*
2	HARNESS SYS2 COMP. HEATER	592-00580-211	683103	-	46
	Heater	025-32938-000	1371	1	*
	Connector, 3/8" Straight	025-31309-000	117547	1	*
	Terminal, Pin #20-14Awg	025-20919-000	737624	2	*
6	GROUND WIRE TRIDENT	592-00580-230	686510	1	46
	Wire, #14 Awg Grn/Yel	025-34027-000	738983	.83 ft.	*
	Ring Tongue, 1/4" 14-16Awg	025-21101-000	737633	1	*
	Terminal, Pin #20 20-14Awg	025-20919-000	737624	1	*
7	HARNESS COMPRESSOR 2C	592-00580-209	683101	-	45
	Conduit, 1'	025-31321-000	695869	3.92 ft.	*
	Connector, 1" Straight	025-31312-000	738592	2	*
	Plug, 9 Pin (Panel End)	025-21192-000	737649	1	*
	Plug, 12 Pin (Comp End)	025-20787-000	737566	1	*
	Connector, Socket	025-19673-000	737536	9	*
	Plug, 4 Pin (Panel & Comp End)	025-21417-000	737658	1	*
	Connr, Socket #14-20AWG	025-19673-000	737536	26	*
8	Hsg Connr Electrical Cap	025-20787-000	737566	1	*
9	Fitting Liquid Tight 1/2 Npt	025-28720-000	117421	1	45
15	HARNESS SYS1 COMPR. TEMP.	592-00580-304	716637	1	45
	4 Conductor Shielded Wire	025-32940-000	738777	127 in.	*
	Mini-Univ Socket (VSD - P26 Pins 1-5)	025-28386-000	737925	5	*
	Terminal, Push-On 1/4" (Sys. 1 Comp)	025-06874-000	117021	4	*
16	HARNESS SYS1 CONDENSER LEVEL	592-00580-309	716639	1	46
	3 Conductor Shielded Wire	025-30463-003	738503	137 in.	*
	Din Plug With Strain Relief	025-37805-000	144713	1	*
	Socket, Mini-Univ. (VSD End)	025-28386-000	737925	4	*
17	HARNESS LEAVING COND. TEMP.	592-00580-306	716640	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	197 in.	*
	Plug, Connector	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD End)	025-28386-000	737925	3	*
	Collar (Leaving Cond Temp.)	025-28950-000	65212	2	*
	Contact Receptacle (Leaving Cond Temp.)	025-28952-000	260	2	*

**NOTE:** Items with an \* are NOT represented.

**TABLE 35 (CONT'D) - CONTROL WIRING DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>18</b>	HARNESS SYS1 DISCHARGE TEMP.	592-00580-308	716651	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	147 in.	*
	Plug, Connector (Sys 1 Discharge Temp.)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD End)	025-28386-000	737925	3	*
	Collar (Sys 1 Discharge Temp.)	025-28950-000	65212	2	*
	Contact, Receptacle (Sys 1 Discharge Temp.)	025-28952-000	260	2	*
<b>19</b>	HARNESS SYS1 ECO. FEED VALVE	592-00580-322	716652	1	46
	4 Conductor Shielded Wire	025-32940-000	738777	162 in.	*
	Cap, 4 Position Connector (Econ Valve End)	025-39831-000	433249	1	*
	Locking Plate (Econ Valve End)	025-39945-000	433250	1	*
	Socket, Mini-Univ. (VSD End)	025-28386-000	737925	4	*
	Collar (Econ Valve End)	025-28957-000	117435	4	*
	Tab Contact (Econ Valve End)	025-39949-000	433248	4	*
<b>20</b>	HARNESS SYS1 COND. DRAIN VALVE	592-00580-323	716654	1	45
	4 Conductor Shielded Wire	025-32940-000	738777	127 in.	*
	Cap, 4 Position Connector (Cond Drain Valve)	025-39831-000	433249	1	*
	Locking Plate (Cond Drain Valve)	025-39945-000	433250	1	*
	Socket, Mini-Univ. (VSD End)	025-28386-000	737925	4	*
	Collar (Econ Valve End)	025-28957-000	117435	4	*
	Tab Contact (Econ Valve End)	025-39949-000	433248	4	*
<b>21</b>	HARNESS SYS1 EVAP. PRESSURE	592-00580-310	716655	1	46
	3 Conductor Shielded Wire	025-30463-003	738503	112 in.	*
	Plug, Connector (Evap Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD End)	025-28386-000	737925	4	*
	Collar (Evap Pressure End)	025-28950-000	65212	4	*
	Contact Receptacle (Evap Pressure End)	025-28952-000	260	3	*
<b>22</b>	HARNESS SYS1 OIL PRESSURE	592-00580-311	716657	1	46
	3 Conductor Shielded Wire	025-30463-003	738503	152 in.	*
	Plug, Connector (Oil Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Oil Pressure End)	025-28950-000	65212	3	*
	Contact Receptacle (Oil Pressure End)	025-28952-000	260	3	*
<b>23</b>	HARNESS SYS1 DISCHARGE PRESS.	592-00580-312	716659	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	152 in.	*
	Plug, Connector (Disch Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Disch Pressure End)	025-28950-000	65212	3	*
	Contact Receptacle (Disch Pressure End)	025-28952-000	260	3	*
<b>24</b>	HARNESS SYS1 EVAPORATOR TEMP.	592-00580-307	716660	1	46
	2 Conductor Shielded Wire	025-30463-002	738502	147 in.	*
	Din Plug W/ Strain Relief	025-37805-000	144713	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*

**NOTE:** Items with an \* are NOT represented.

**TABLE 35 (CONT'D) - CONTROL WIRING DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>25</b>	HARNESS SYS2 COMPR. TEMP.	592-00580-305	716661	1	46
	4 Conductor Shielded Wire	025-32940-000	738777	102 in.	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	5	*
	Terminal, Push-On 1/4" (Comp End)	025-06874-000	117021	4	*
<b>26</b>	HARNESS SYS2 CONDENSER LEVEL	592-00580-316	716663	1	46
	3 Conductor Shielded Wire	025-30463-003	738503	82 in.	*
	Din Plug W/ Strain Relief (Condenser Level End)	025-37805-000	144713	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
<b>27</b>	HARNESS ENTERING COND. TEMP.	592-00580-313	716664	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	197 in.	*
	Plug, Connector (Condenser Temp End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Condenser Temp End)	025-28950-000	65212	2	*
	Contact Receptacle (Condenser Temp End)	025-28952-000	260	2	*
<b>28</b>	HARNESS SYS2 DISCHARGE TEMP.	592-00580-315	716665	1	46
	2 Conductor Shielded Wire	025-30463-002	738502	102 in.	*
	Plug, Connector (Disch Temp End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Disch Temp End)	025-28950-000	65212	2	*
	Contact Receptacle (Disch Temp End)	025-28952-000	260	2	*
<b>29</b>	HARNESS SYS2 ECO. FEED VALVE	592-00580-320	716666	1	46
	4 Conductor Shielded Wire	025-32940-000	738777	97 in.	*
	Cap, 4 Postion Connector (Econ Feed Valve End)	025-39831-000	433249	1	*
	Locking Plate (Econ Feed Valve End)	025-39945-000	433250	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Econ Feed Valve End)	025-28957-000	117435	4	*
	Tab Contact (Econ Feed Valve End)	025-39949-000	433248	4	*
<b>30</b>	HARNESS SYS2 COND. DRAIN VALVE	592-00580-321	716668	1	45
	4 Conductor Shielded Wire	025-32940-000	738777	67 in.	*
	Cap, 4 Postion Connector (Cond Drain Valve)	025-39831-000	433249	1	*
	Locking Plate (Cond Drain Valve)	025-39945-000	433250	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Cond Drain Valve)	025-28957-000	117435	4	*
	Tab Contact (Cond Drain Valve)	025-39949-000	433248	4	*
<b>31</b>	HARNESS SYS2 EVAP. PRESSURE	592-00580-317	716669	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	52 in.	*
	Plug, Connector (Evap Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Evap Pressure End)	025-28950-000	65212	3	*
	Contact Receptacle (Evap Pressure End)	025-28952-000	260	3	*

**NOTE:** Items with an \* are NOT represented.

**TABLE 35 (CONT'D) - CONTROL WIRING DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>32</b>	HARNESS SYS2 OIL PRESSURE	592-00580-318	716671	1	45, 46
	3 Conductor Shielded Wire	025-30463-003	738503	102 in.	*
	Plug, Connector (Oil Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Oil Pressure End)	025-28950-000	65212	3	*
	Contact Receptacle (Oil Pressure End)	025-28952-000	260	3	*
<b>33</b>	HARNESS SYS2 DISCHARGE PRESS.	592-00580-319	716675	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	92 in.	*
	Plug, Connector (Disch Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Disch Pressure End)	025-28950-000	65212	3	*
	Contact Receptacle (Disch Pressure End)	025-28952-000	260	3	*
<b>34</b>	HARNESS SYS2 EVAPORATOR TEMP.	592-00580-314	716678	1	46
	2 Conductor Shielded Wire	025-30463-002	738502	92 in.	*
	Din Plug W/ Strain Relief (Evap Temp End)	025-37805-000	144713	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
<b>35</b>	HARNESS LEAVING CHILLED TEMP.	592-00580-301	716680	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	102 in.	*
	Plug, Connector (Leaving Chilled Liquid Temp)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Leaving Chilled Liquid Temp)	025-28950-000	65212	2	*
	Contact Recep (Leaving Chilled Liquid Temp)	025-28952-000	260	2	*
<b>36</b>	HARNESS ENTERING CHILLED TEMP.	592-00580-302	716682	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	202 in.	*
	Plug, Connector (Entering Chilled Liquid Temp)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Entering Chilled Liquid Temp)	025-28950-000	65212	2	*
	Contact Recep (Entering Chilled Liquid Temp)	025-28952-000	260	2	*
<b>37</b>	HARNESS AMBIENT AIR TEMP.	592-00580-303	716683	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	67 in.	*
	Plug, Connector (Ambient Air Temp End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Ambient Air Temp End)	025-28950-000	65212	2	*
	Contact Recep (Ambient Air Temp End)	025-28952-000	260	2	*
<b>39</b>	HARNESS SYS1 SUBCOOLED TEMP.	592-00580-327	716685	1	46
	2 Conductor Shielded Wire	025-30463-002	738502	167 in.	*
	Din Plug w/ Strain Relief (Sub-Cool Liquid Temp. End)	025-37805-000	738502	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
<b>40</b>	HARNESS SYS2 SUBCOOLED TEMP.	592-00580-338	716686	1	46
	2 Conductor Shielded Wire	025-30463-002	738502	102 in.	*
	Din Plug w/ Strain Relief (Sub-Cool Liquid Temp. End)	025-37805-000	144713	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*

**NOTE:** Items with an \* are NOT represented.

**TABLE 35 (CONT'D) - CONTROL WIRING DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>47</b>	HARNESS SYS1 ECO. PRESSURE	592-00580-331	716688	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	137 in.	*
	Plug, Connector (Economizer Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Economizer Pressure End)	025-28950-000	65212	2	*
	Contact Receptacle (Economizer Pressure End)	025-28952-000	260	2	*
<b>48</b>	HARNESS SYS1 COND. PRESSURE	592-00580-332	716690	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	197 in.	*
	Plug, Connector (Condenser Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	4	*
	Collar (Condenser Pressure End)	025-28950-000	65212	3	*
	Contact Receptacle (Condenser Pressure End)	025-28952-000	260	3	*
<b>49</b>	HARNESS SYS1 ECO. TEMP.	592-00580-328	716691	1	46
	3 Conductor Shielded Wire	025-30463-003	738503	137 in.	*
	Plug, Connector (Economizer Temp End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Economizer Temp End)	025-28950-000	65212	2	*
	Contact Receptacle (Economizer Temp End)	025-28952-000	260	2	*
<b>53</b>	HARNESS SYS2 ECO. PRESSURE	592-00580-342	716692	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	77"	*
	Plug, Connector (Economizer Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Economizer Pressure End)	025-28950-000	65212	2	*
	Contact Receptacle (Economizer Pressure End)	025-28952-000	260	2	*
<b>54</b>	HARNESS SYS2 COND. PRESSURE	592-00580-343	716693	1	45
	3 Conductor Shielded Wire	025-30463-003	738503	137 in.	*
	Plug, Connector (Condenser Pressure End)	025-28954-000	62725	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Condenser Pressure End)	025-28950-000	65212	2	*
	Contact Receptacle (Condenser Pressure End)	025-28952-000	260	2	*
<b>55</b>	HARNESS SYS2 ECO. TEMP.	592-00580-339	716695	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	77 in.	*
	Plug, Connector (Economizer Temperature End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Economizer Temperature End)	025-28950-000	65212	2	*
	Contact Receptacle (Economizer Temp. End)	025-28952-000	260	2	*
<b>57</b>	HARNESS SYS1 EDUCTOR TEMP.	592-00580-350	808771	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	141 in.	*
	Plug, Connector (Eductor Temperature End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Eductor Temperture End)	025-28950-000	65212	2	*
	Contact Receptacle (Eductor Temperature End)	025-28952-000	260	2	*

**NOTE:** Items with an \* are NOT represented.

**TABLE 35 (CONT'D) - CONTROL WIRING DUAL SYSTEM**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
58	HARNESS SYS2 EDUCTOR TEMP.	592-00580-351	808772	1	45
	2 Conductor Shielded Wire	025-30463-002	738502	83 in.	*
	Plug, Connector (Eductor Temperature End)	025-28951-000	62724	1	*
	Socket, Mini-Univ. (VSD Panel End)	025-28386-000	737925	3	*
	Collar (Eductor Temperature End)	025-28950-000	65212	2	*
	Contact Receptacle (Eductor Temperature End)	025-28952-000	260	2	*

**NOTE:** Items with an \* are NOT represented.

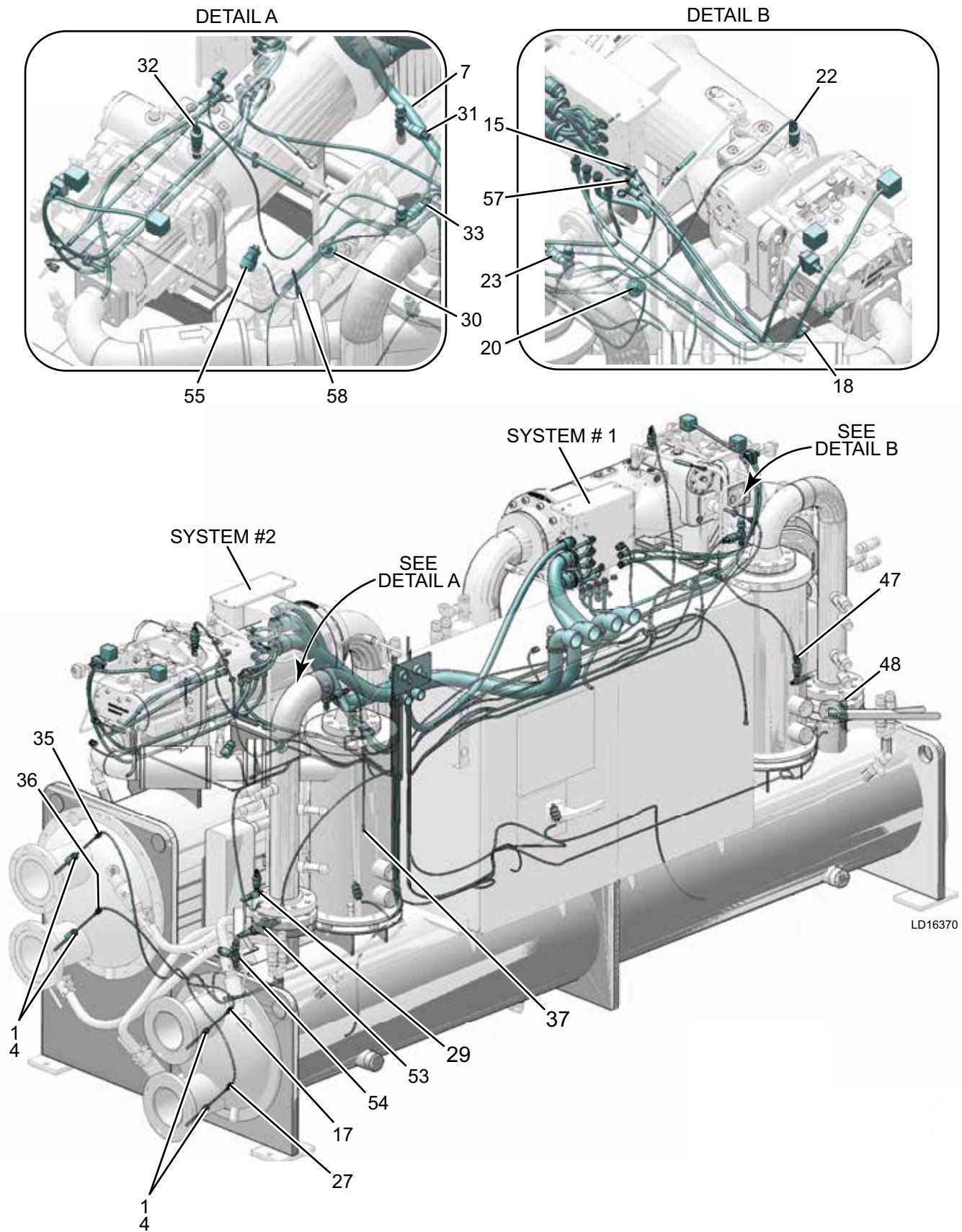
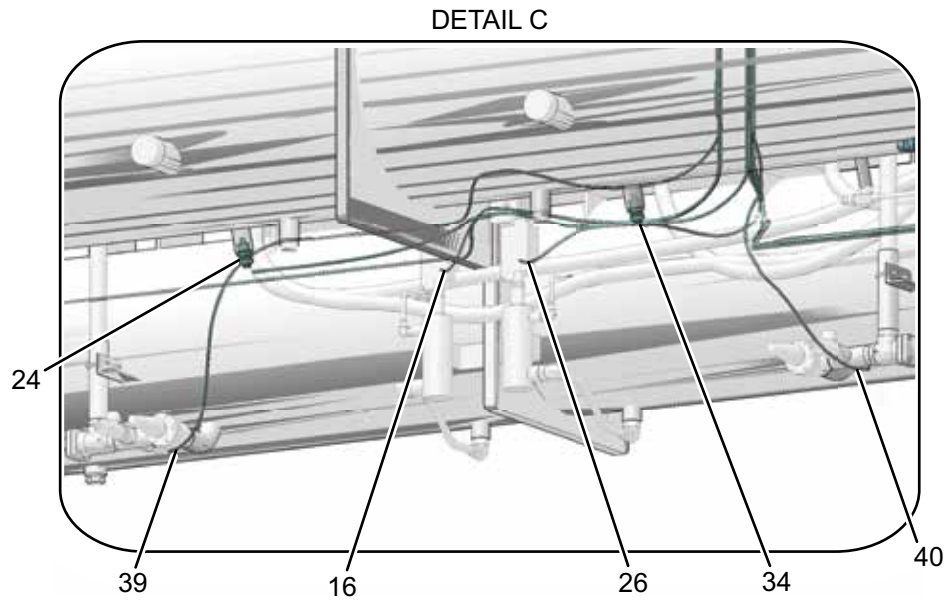
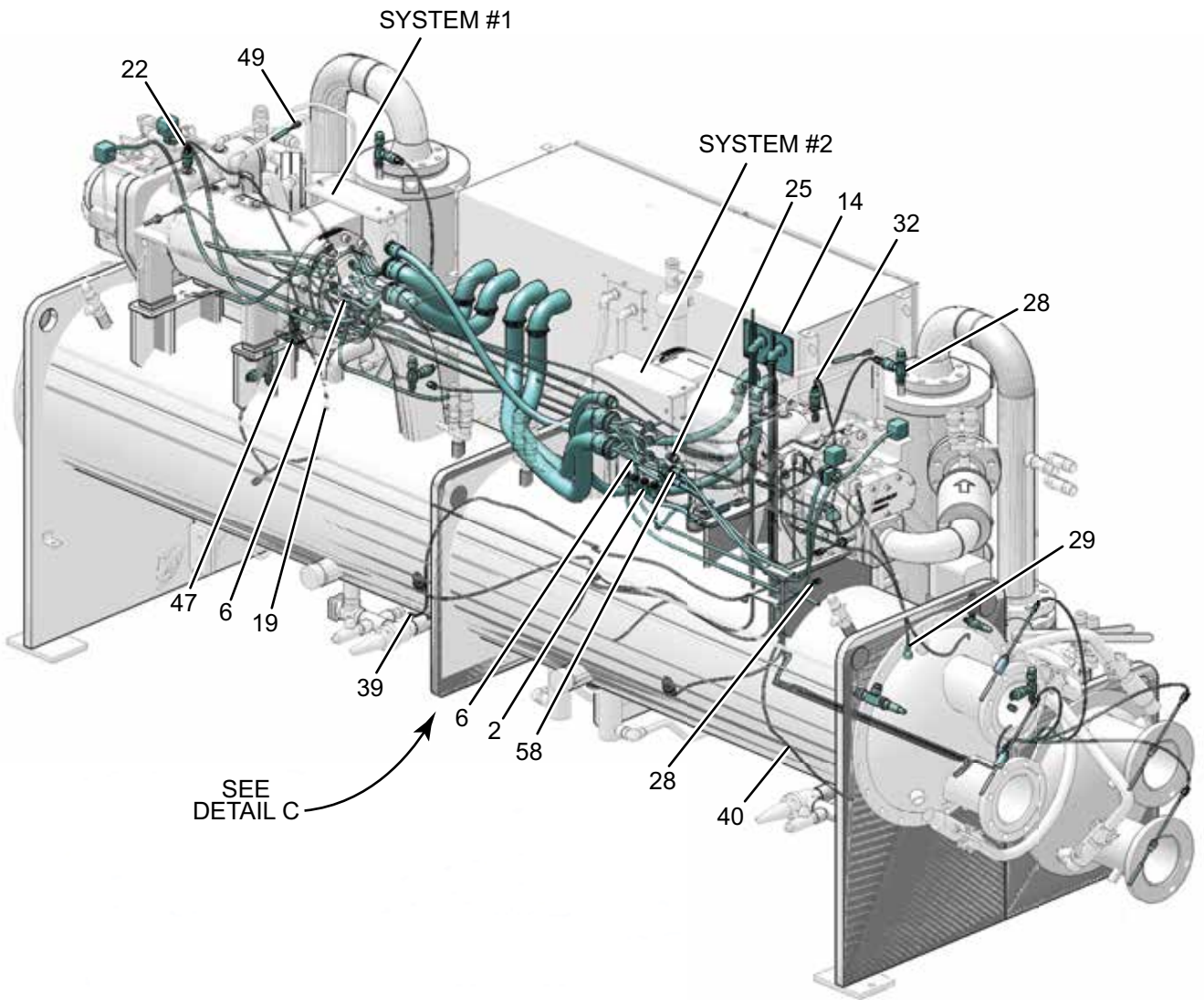


FIGURE 45 - SYSTEM WIRING



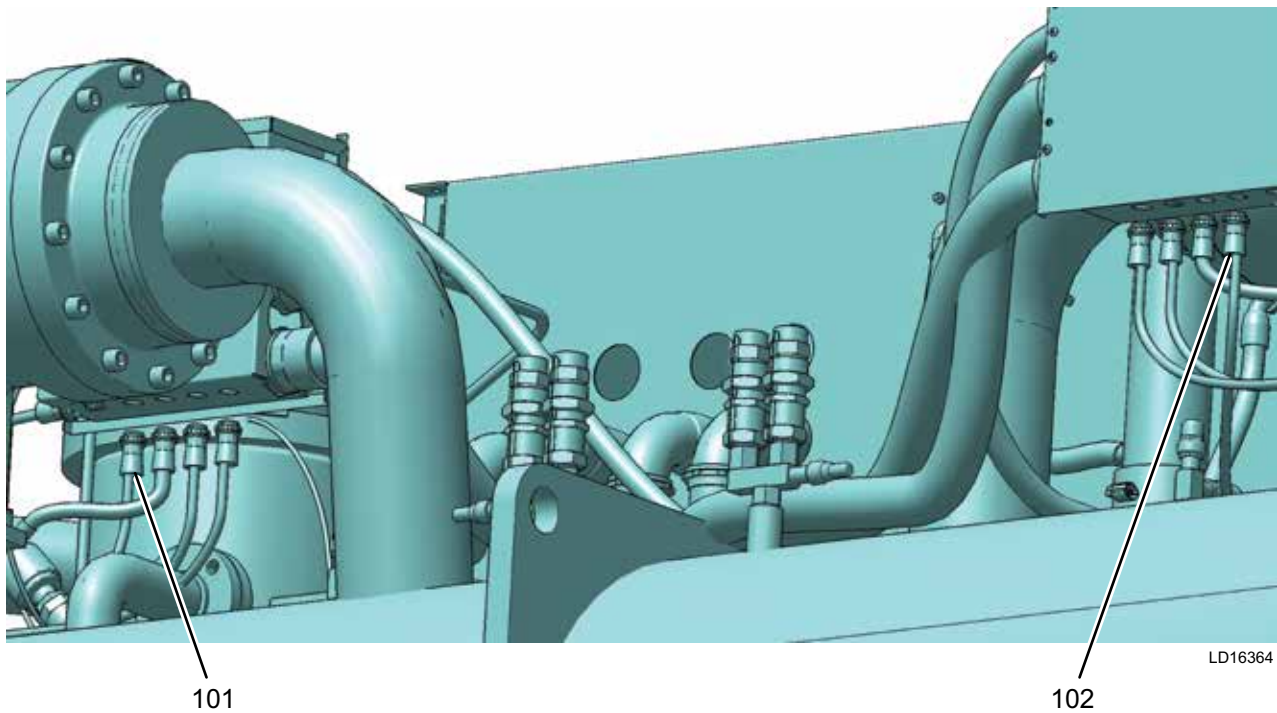
**FIGURE 46 - SYSTEM WIRING**

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**TABLE 36 - LIQUID INJECTION WIRING (OPTIONAL)**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>101</b>	HARNESSES SYS1 LIQUID INJE. SV	592-00580-216	821100	1	47
1	Conduit, 3/8 35in	025-31302-000	618155	1	*
2	Connector, 3/8	025-31309-000	117547	2	*
4	Plug, DIN (SYS1 Liquid Injection End)	025-37876-000	117987	1	*
5	Terminal Pin #20-14AWG (Compressor End)	025-20919-000	737624	2	*
<b>102</b>	HARNESSES SYS2 LIQUID INJE. SV	592-00580-220	1	47	
1	Conduit, 3/8 35in	025-31302-000	618155	1	*
2	Connector, 3/8	025-31309-000	117547	2	*
4	Plug, DIN (SYS2 Liquid Injection End)	025-37876-000	117987	1	*
5	Terminal Pin #20-14AWG (Compressor End)	025-20919-000	737624	2	*

**NOTE:** Items with an \* are NOT represented.

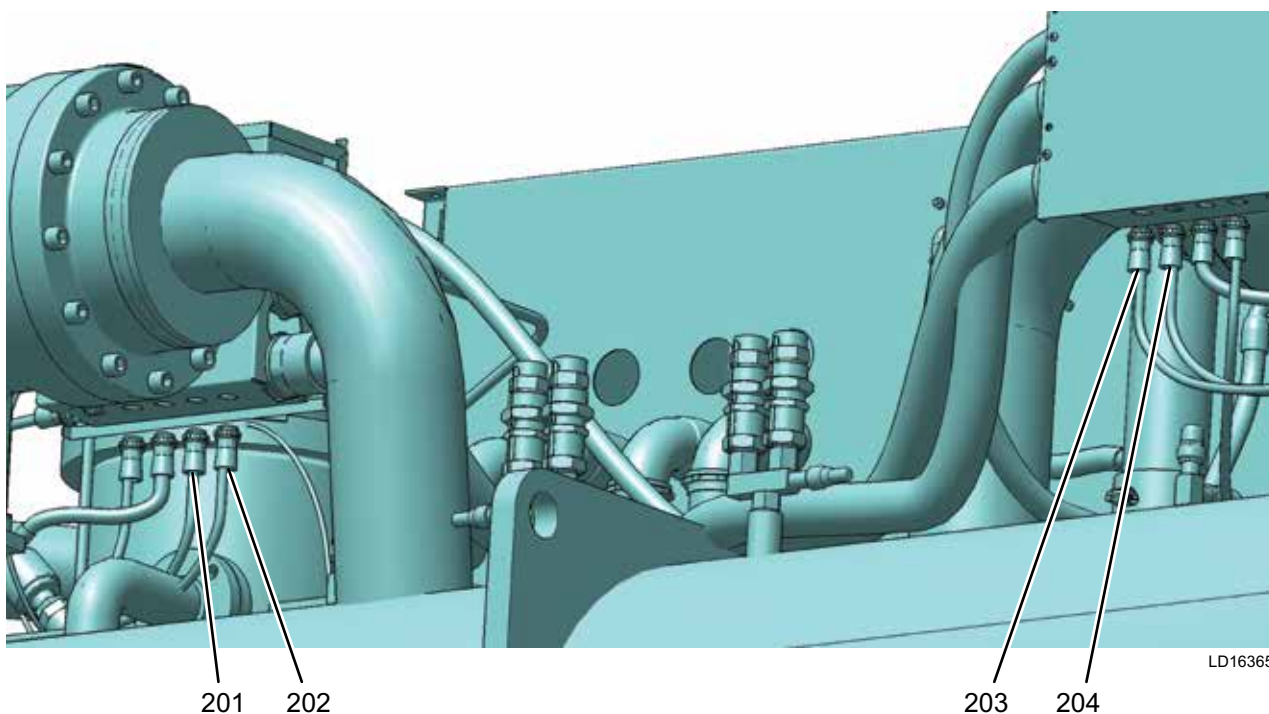


**FIGURE 47 - LIQUID INJECTION WIRING**

**TABLE 37 - STEP VI WIRING (OPTIONAL)**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER	QUANTITY	FIGURE
<b>201</b>	HARNESS SYS1 STEP VI SV1	592-00580-214	821096	1	48
	Conduit, 3/8"	025-31302-000	618155	5.76'	*
	Connector, 3/8" Straight	025-31309-000	117547	2	*
	Connector, DIN Plug (SYS1 SV1 End)	025-37876-000	117987	1	*
	Terminal Pin #20-14AWG (Compressor End)	025-20919-000	737624	2	*
<b>202</b>	HARNESS SYS1 STEP VI SV2	592-00580-215	821098	1	48
	Conduit, 3/8"	025-31302-000	618155	6.58'	*
	Connector, 3/8" Straight	025-31309-000	117547	2	*
	Connector, DIN Plug (SYS1 SV2 End)	025-37876-000	117987	1	*
	Terminal Pin #20-14AWG (Compressor End)	025-20919-000	737624	2	*
<b>203</b>	HARNESS SYS2 STEP VI SV1	592-00580-218	821192	1	48
	Conduit, 3/8"	025-31302-000	618155	5.67'	*
	Connector, 3/8" Straight	025-31309-000	117547	2	*
	Connector, DIN Plug (SYS2 SV1 End)	025-37876-000	117987	1	*
	Terminal Pin #20-14AWG (Compressor End)	025-20919-000	737624	2	*
<b>204</b>	HARNESS SYS2 STEP VI SV2	592-00580-219	821194	1	48
	Conduit, 3/8"	025-31302-000	618155	6.58'	*
	Connector, 3/8" Straight	025-31309-000	117547	2	*
	Connector, DIN Plug (SYS2 SV2 End)	025-37876-000	117987	1	*
	Terminal Pin #20-14AWG (Compressor End)	025-20919-000	737624	2	*

**NOTE:** Items with an \* are NOT represented.



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**FIGURE 48 - STEP VI WIRING**

**TABLE 38 - FLOW SWITCHES**

	DESCRIPTION	YORK PART NUMBER (SAP PART NUMBER)
S	Paddle Type	024-12144-000 (734236)
T		
D	Diff Pressure	025-30919-000 (738523)
E		
G	Thermal Type	025-44383-001 (740486)
H		

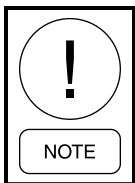
**NOTE:** The SAP part number is identified within the parenthesis.

**TABLE 39 - HEATPUMP JUMPER KIT (OPTIONAL)**

ITEM	DESCRIPTION	YORK PART NUMBER	SAP PART NUMBER
-	Kit, Heatpump Jumper Plug	371-06009-000	842616
1	Hsg, Connr Plug Mini 12 Ckt Nat	025-28384-000	737920
2	Wire, Elec 18 Awg Red Per Aso	025-34017-000	738974
3	Contact, Socket Mini Universal	025-28386-000	737925

**TABLE 40 - NOISE REDUCTION**

DESCRIPTION	YORK PART NUMBER	SAP NUMBER
Noise Reduction Kit, FX (145/151)	392-06332-000	943708
Noise Reduction Kit, GX (145/151)	392-06332-100	943715
Noise Reduction Kit, EE (136/136)	392-06584-001	820918
Noise Reduction Kit, FE (136/145)	392-06584-002	820919
Noise Reduction Kit, FF (145/145)	392-06584-003	820920



*See PIN structure (PIN 9 & 10) for the specific compressor Driveline.*

**TABLE 41 - LANGUAGE KITS**

OBJECT DESCRIPTION	PART NUMBER	SAP
Overlay, Keypad English	024-34930-021	986630
Overlay, Keypad French	024-34930-022	986851
Overlay, Keypad Spanish	024-34930-023	986852
Overlay, Keypad German	024-34930-024	986853
Overlay, Keypad Portuguese	024-34930-025	986854
Overlay, Keypad Italian	024-34930-026	986855
Overlay, Keypad Hungarian	024-34930-027	986856
Overlay, Keypad Polish	024-34930-028	986857
Overlay, Keypad Chinese	024-34930-029	986858

**TABLE 42 - COMPOUNDS AND ABRASIVES**

DESCRIPTION	YORK PART NUMBER	SAP NUMBER
Compound, Heat Conductive 4oz.	013-00898-000	616572
Coolant, Propoylene Glycol	013-03345-000	729101
Corrosion Inhibitor	026-37706-000	740984
Cleaner, 16oz. (Loctite #7070)	013-02899-000	616586
Blue Threadlocker, 50mL (Loctite #243)	013-01678-000	588484
Red Refrigerant Sealant, 250mL (Loctite # 554)	013-02894-000	588490
White Thread Sealant, 50mL (Loctite #565)	013-03090-000	729094
White Thread Sealant, 250mL (Loctite #565)	013-02023-000	729048
General Purpose Primer, 1.75oz. (Loctite #N7649)	013-01753-000	588485
General Purpose Primer, 1 gallon (Loctite #N7649)	013-02982-000	729084
Sealer, Pipe Thread Compound	013-03487-000	729128
Tape, Electrical	025-40150-000	739762
Threadlocker (Loctite #262)	013-03306-000	729096
YORK "L" Oil, 1 Quart	011-00962-000	-
YORK "L" Oil, 6 1-Gallon	011-00956-000	148553
YORK "L" Oil, 5 Gallon	011-00592-000	3821



***Ensure compliance with local, state and federal regulations in disposing of any Oil container or residual contents.***



***Oils may lead to dermatitis following prolonged or frequent exposure. Refer to product health safety and environmental data sheets for relevant information.***

The following factors can be used to convert from English to the most common SI Metric values.

**TABLE 43 - SI METRIC CONVERSION**

MEASUREMENT	MULTIPLY ENGLISH UNIT	BY FACTOR	TO OBTAIN METRIC UNIT
Capacity	Tons Refrigerant Effect (ton)	3.516	Kilowatts (kW)
Power	Horsepower	0.7457	Kilowatts (kW)
Flow Rate	Gallons / Minute (gpm)	0.0631	Liters / Second (l/s)
Length	Feet (ft)	0.3048	Meters (m)
	Inches (in)	25.4	Millimeters (mm)
Weight	Pounds (lbs)	0.4538	Kilograms (kg)
Velocity	Feet / Second (fps)	0.3048	Meters / Second (m/s)
Pressure Drop	Feet of Water (ft)	2.989	Kilopascals (kPa)
	Pounds / Square Inch (psi)	6.895	Kilopascals (kPa)

**TEMPERATURE**

To convert degrees Fahrenheit (°F) to degrees Celsius (°C), subtract 32° and multiply by 5/9 or 0.5556.

Example:  $(45.0^{\circ}\text{F} - 32^{\circ}) \times 0.5556 = 27.2^{\circ}\text{C}$

To convert a temperature range (i.e., a range of 10°F) from Fahrenheit to Celsius, multiply by 5/9 or 0.5556.

Example:  $10.0^{\circ}\text{F range} \times 0.5556 = 5.6^{\circ}\text{C range}$

## NOTES



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