



ISOFLOW ABSORPTION CHILLERS

RENEWAL PARTS

Supersedes: 155.16-RP3 (599),
155.16-RP3 (LS5) (1200)

Form 155.16-RP3 (202)

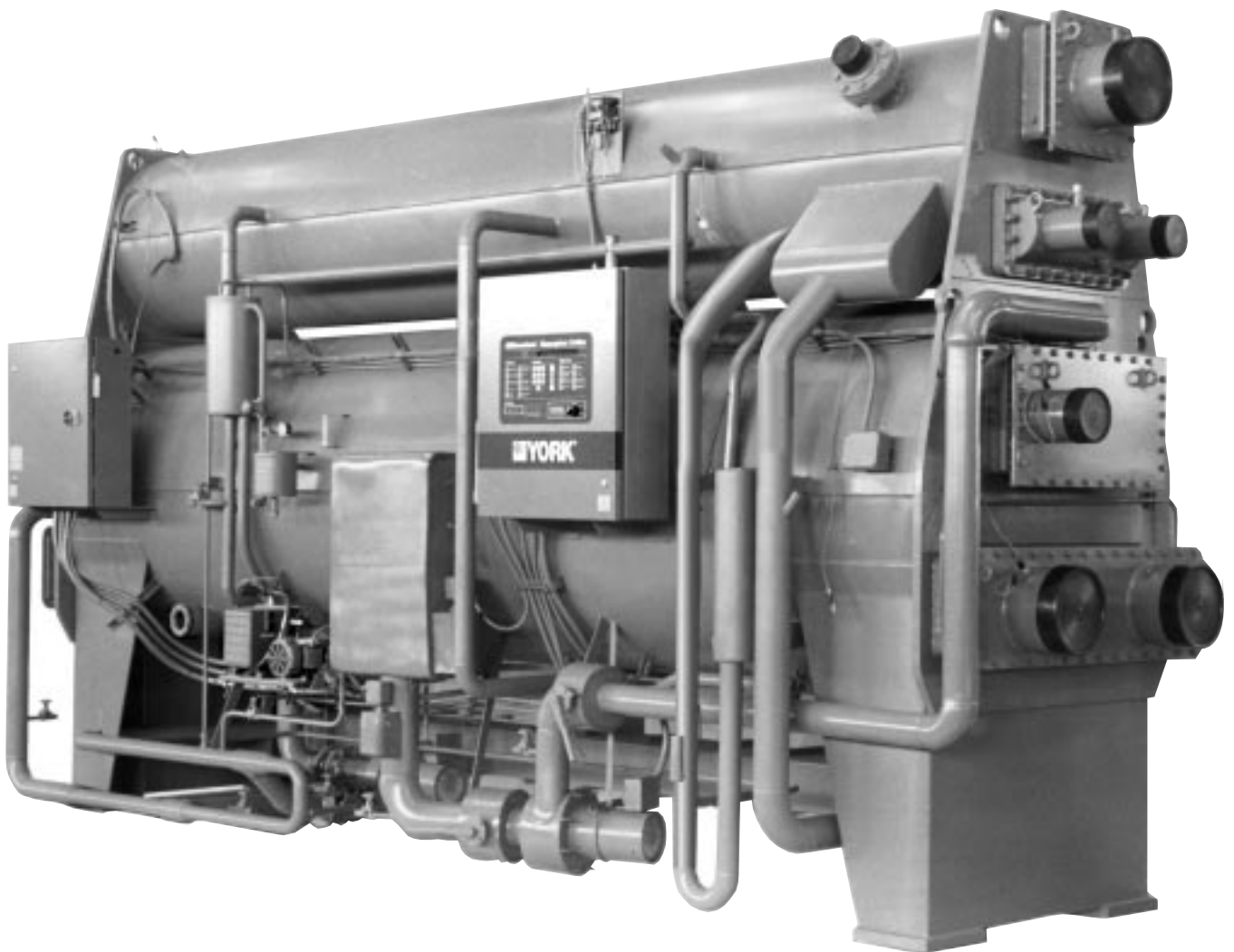
MODELS

STEAM

YIA-ST-1A1 THRU YIA-ST-14F3

HOT WATER

YIA-HW-1A1 THRU YIA-HW-14F3



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TABLE OF CONTENTS

GENERAL SAFETY GUIDELINES	4
CHANGEABILITY OF THIS DOCUMENT	4
INTRODUCTION	5
NOMENCLATURE	6
MAJOR COMPONENT LOCATION	7
Fig. 1 – Model YIA IsoFlow Absorption Chiller	7
CONTROL PANEL – MICRO PANEL	8
Fig. 2 – Control Panel - Micro Panel (Standard & NEMA 4)	8
Fig. 3 – Control Panel - Micro Panel (Standard & NEMA 4)	9
Fig. 4 – Control Panel - Micro Panel (Standard & NEMA 4)	10
Fig. 2A – Control Panel - Micro Panel (CE - European Compliance)	11
Fig. 3A – Control Panel - Micro Panel (CE - European Compliance)	12
Fig. 4A – Control Panel - Micro Panel (CE - European Compliance)	13
MAIN CONTROL PANEL – COMMON PARTS	14
MAIN CONTROL PANEL – ELECTRICAL CONNECTIONS	19
HARNESS AND SENSOR CONNECTIONS	20
Fig. 5 – Thermistor and Thermowell Assembly	20
Fig. 6 – Proper Wiring For Transducers	20
Fig. 7 – Conductor and Housing Assembly	21
60 HZ STANDARD UNITS	22
Fig. 8 – 60 Hz Standard Units	22
Fig. 9 – 60 Hz Standard Units (continued)	23
Power Panel Components	24
60 HZ NEMA 4 UNITS	27
Fig. 10 – 60 Hz NEMA 4 Units	27
Fig. 11 – 60 Hz NEMA 4 Units	28
Power Panel Components	29
50 HZ, 380/400 VOLT CE AND EUROPEAN COMPLIANCE UNITS	32
Fig. 12 – 50 Hz, 380/400 Volt (CE and European Compliance Units)	32
Fig. 13 – 50 Hz, 380/400 Volt (CE and European Compliance Units) (continued)	33
Power Panel Components	34
SYSTEM CONTROL COMPONENT LOCATIONS	36
Fig. 14 – System Control Component Locations	36
SYSTEM CONTROL COMPONENTS	37
VALVES	38
Steam Control Valves and Actuators	40
Hot Water Control Valves and Actuators	41

TABLE OF CONTENTS

PUMPS	42
Complete Assemblies	42
Vacuum Pump Gasket and Seal Kit (Model 1402 only)	43
Miscellaneous Vacuum Pump Parts	44
New Style Pump Repair Kits	45
Fig. 15 – New Style Pump Cross-Section	45
Fig. 16 – New Style Single-Ended Exploded View	46
New Style Pump Repair Kit Part Numbers	47
RUPTURE DISKS	50
MISCELLANEOUS COMPONENTS	51
Fig. 17 – Assembly of 4" Absorber Sight Glass	51
TUBES	52
IsoFlow Absorption Chiller Tubes - Generator & Condensor	52
IsoFlow Absorption Chiller Tubes - Absorber & Evaporator	54
Generator Tubes for Design Level "B" Chillers	56
Tube Supports for Design Level "A" Chillers	57
Tube Supports for Design Level "B" Chillers	58
ISOFLOW SOLUTION-TO-SOLUTION HEAT EXCHANGERS	59
GASKETS AND ELASTOMERS	60
Design Level "A" Chillers	60
Design Level "B" Chillers	61
CHEMICALS AND COMPOUNDS	63
SERVICE TOOLS	64
YORK Service Tools	64
Non-York Service Tools	64
ISOFLOW SPRAY NOZZLES	65
ISOFLOW CHILLER SPARE PARTS LIST	66
ISOFLOW CHILLER EMERGENCY SPARE PARTS LIST	67
SHIP LOOSE ITEMS LIST	68
One-Piece Shipment	68
Split-Ship Units	71

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, oils, 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 this individual possesses 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.

CHANGEABILITY OF THIS DOCUMENT

In complying with YORK's policy for continuous product improvement, the information contained in this document is subject to change without notice. While YORK makes no commitment to update or provide current information automatically to the manual owner, that information, if applicable, can be obtained by contacting the nearest YORK Applied Systems Service office.

It is the responsibility of operating/service personnel to verify the applicability of these documents to the equipment in question. If there is any question in the mind of operating/service personnel as to the applicability of these documents, then prior to working on the equipment, they should verify with the owner whether the equipment has been modified and if current literature is available.

INTRODUCTION

The purpose of this renewal parts literature is to present a simple and quick means of finding the correct replacement part(s) for YORK single-stage absorption units.

Towards the back of this document is a complete listing of recommended spare parts for routine chiller maintenance. Following that is a complete listing of parts to keep on hand for emergency situations in which chiller downtime must be kept to a minimum.

The final section of this document is a complete listing of typical parts that are shipped loose with each chiller shipment. This listing must be used in conjunction with the factory shipping papers associated with each chiller shipment in order to determine which factory options were purchased with each chiller.

The most significant change to the single-stage absorption units since the addition of the Micropanel in June 1993 is the introduction of the new style, internally cooled solution, and refrigerant pump. These pumps were incorporated on the single-stage absorption units in July 1996. Units with these pumps are identified by "Modification Level 'A'."

This change affected other areas of the unit as well. Units equipped with these pumps do not require the external motor coolant circuit used on older units with Franklin pumps. The internally-cooled pumps utilize the pumping fluid to cool the motor and bearings. The pumping fluid also carries away heat generated by the motor. To ensure that there is adequate pumping liquid to sufficiently cool the motor and pump assembly, a different float switch arrangement was necessary. The motor coolant float switch (2F) and motor coolant solenoid (1SOL), required for Franklin pumps, have been replaced with a new float switch, called the refrigerant level float switch (3F). This switch is used in conjunction with the existing refrigerant level float switch (1F) to detect the refrigerant level at the input to the refrigerant pump during low loads and low tower water conditions.

Along with the previous change is the implementation of isolation valves for each pump. A tight-sealing but-

terfly valve is located off of the suction and discharge connections of each pump. These valves have taken the place of the gaskets formerly used on the Franklin pump applications. Each isolation valve has an EPDM elastomer liner over the face of the valve to provide an adequate sealing surface for ease of serviceability during pump maintenance.

Units built before February 1998 had two different types of generators – a standard temperature generator and a high-temperature generator. At that time, YORK stabilized the design of the generators. Units with a high-temperature generator as standard are identified by "Modification Level 'B'."

Units built before January 1999 used as a standard, chromate solution inhibitor. Between January 1999 and June 2000, YORK standardized on molybdate as the solution inhibitor. After June 2000, YORK exclusively introduced ADVAGuard 750 into the marketplace as the solution inhibitor on all YORK-built absorption products. To determine which inhibitor is in your unit, please consult the unit nameplate, which can be found affixed to the side on the micro panel.

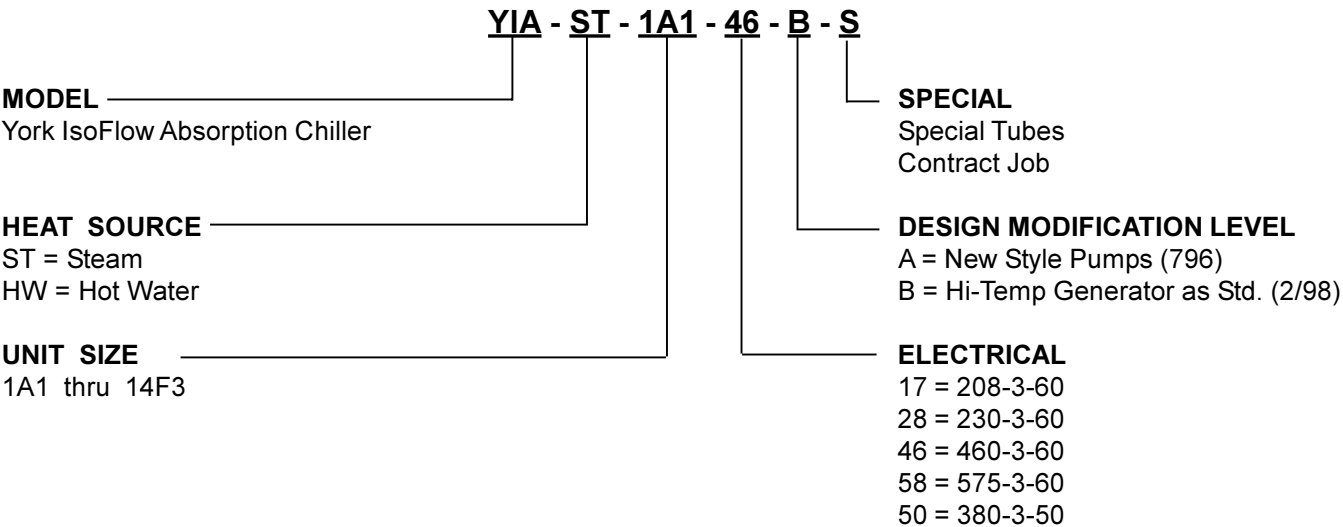
Another change made in January 1999 was to the unit's purge system. Purge solenoid (5SOL) was eliminated and replaced with a 1/2" swing type check valve. Also, the vacuum pump was upgraded to a more industrial-duty pump.

This renewal parts document includes the following previous YORK literature:

- 155.16-RP2 (Supl. 1) (1095)
- 155.16-RP3 (1094) (599)
- 155.16-RP3 (SB1) (195)
- 155.16-RP3 (SB2) (597)
- 155.16-RP3 (SB3) (797)
- 155.16-RP3 (SB4) (1097)

NOMENCLATURE

The model number denotes the following characteristics of the unit:



MAJOR COMPONENT LOCATION

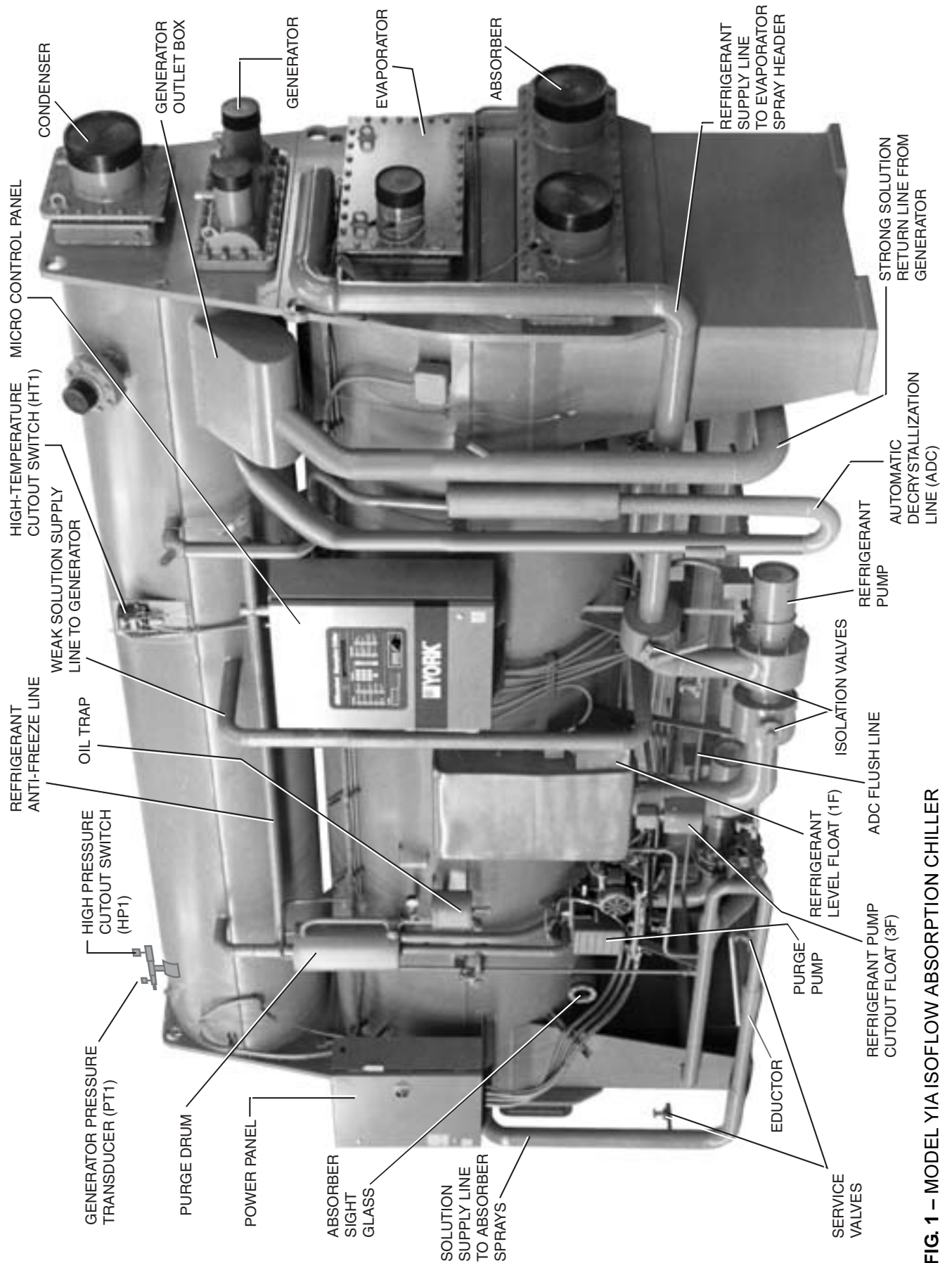


FIG. 1 – MODEL Y1A ISOFLOW ABSORPTION CHILLER

CONTROL PANEL – MICRO PANEL
(STANDARD & NEMA 4)

LD07567

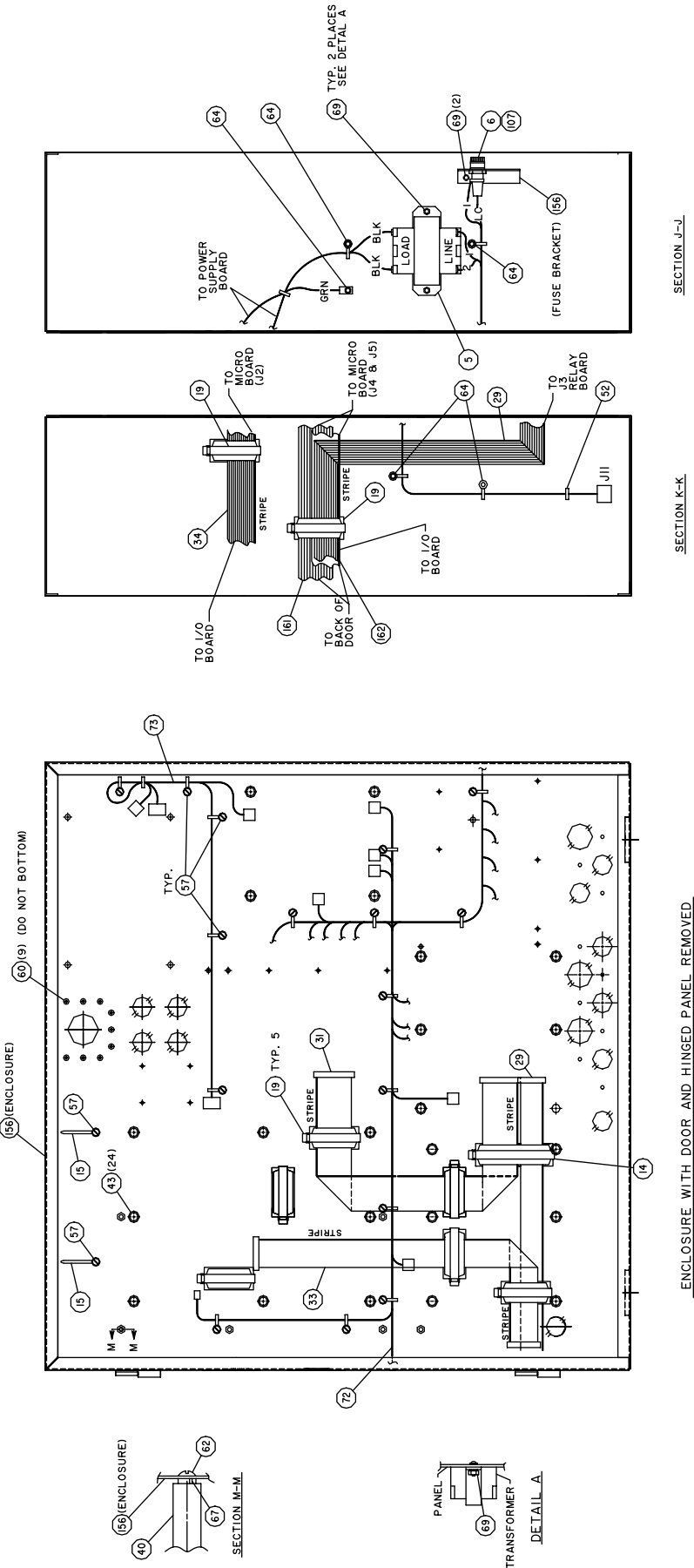
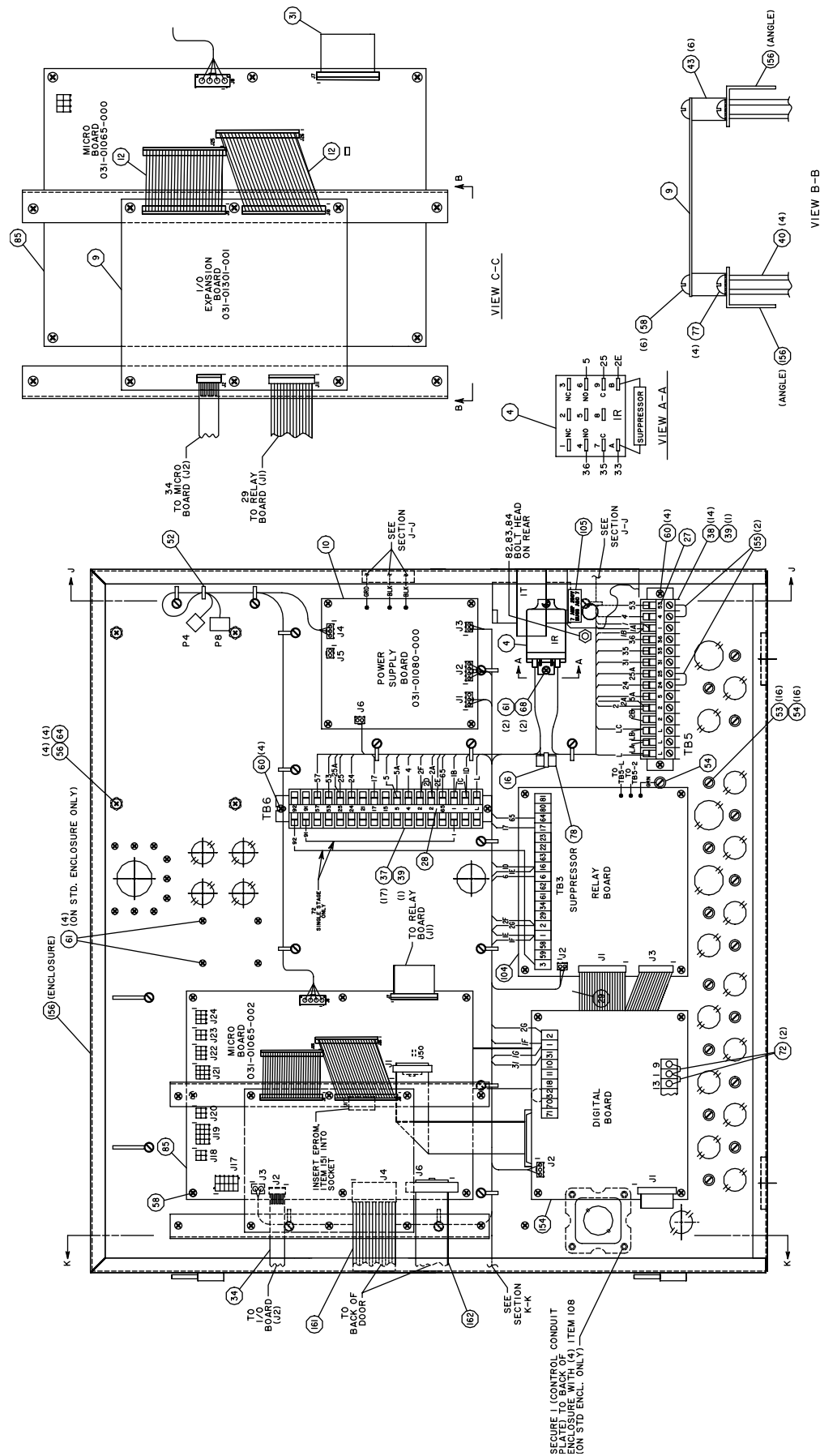


FIG. 2 – CONTROL PANEL - MICRO PANEL (STANDARD & NEMA 4)

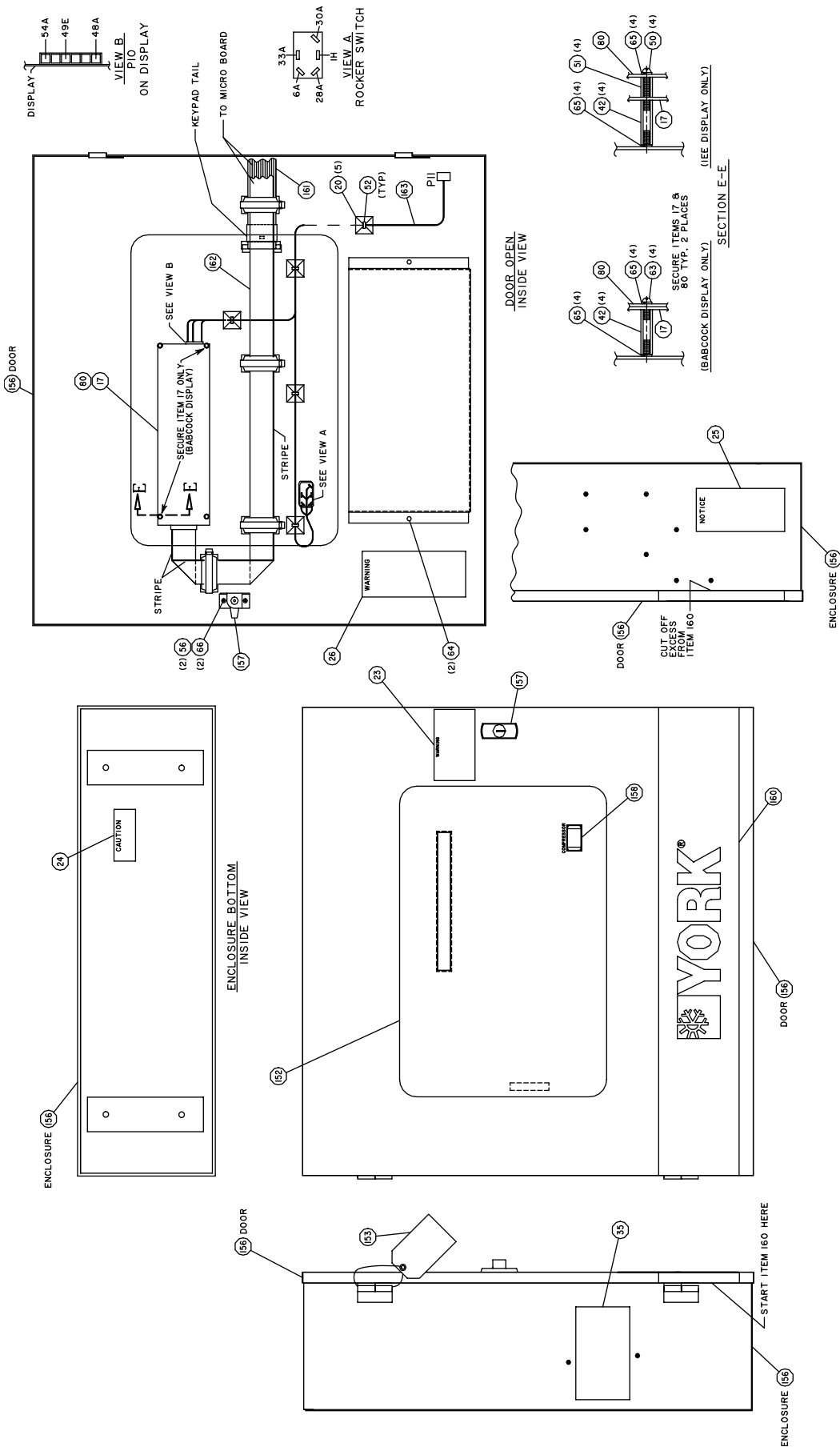
CONTROL PANEL – MICRO PANEL (STANDARD & NEMA 4)



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9 FIG. 3 – CONTROL PANEL - MICRO PANEL (STANDARD & NEMA 4)

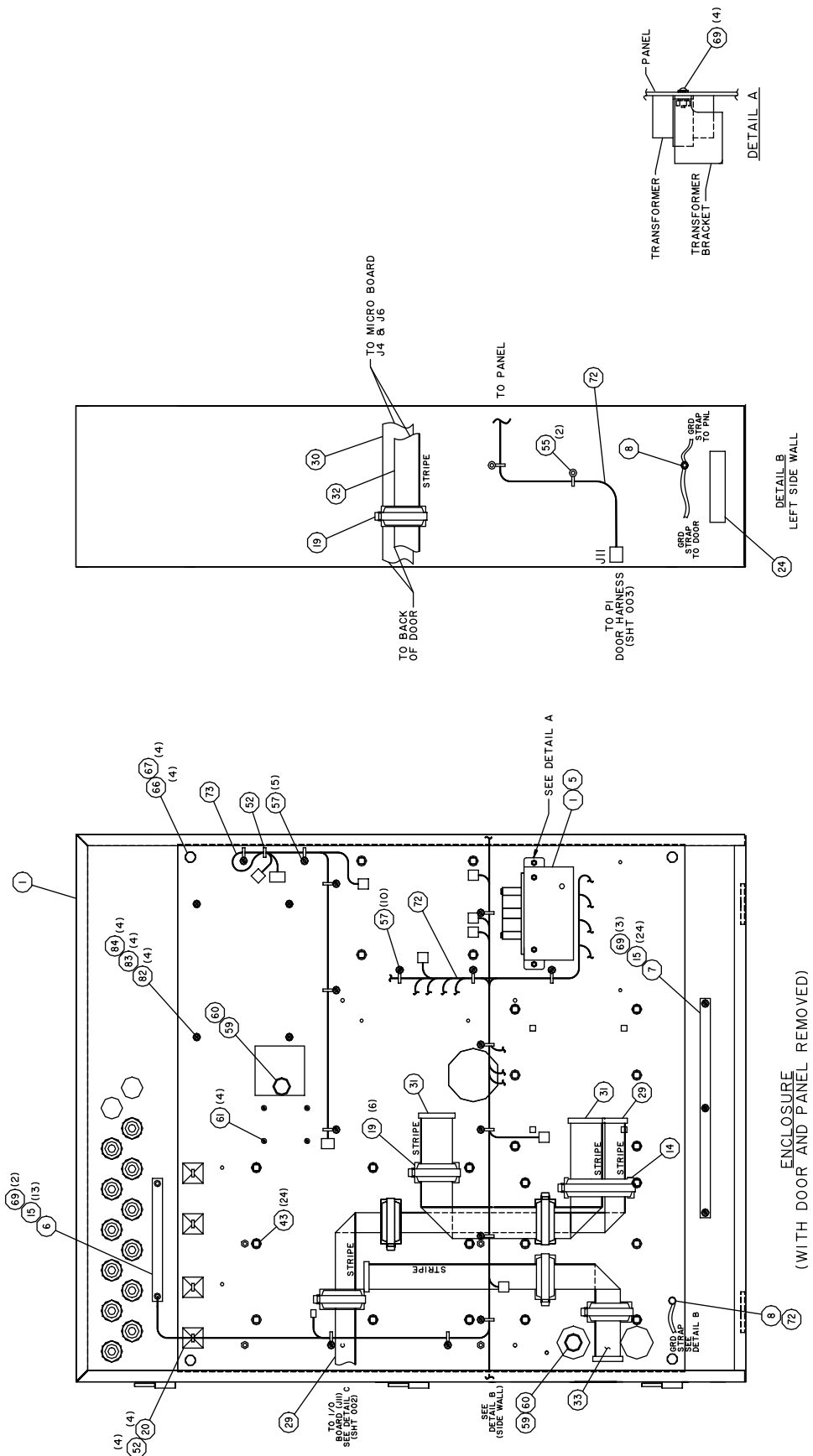
CONTROL PANEL – MICRO PANEL
(STANDARD & NEMA 4)



LD07571

FIG. 4 – CONTROL PANEL - MICRO PANEL (STANDARD & NEMA 4)

CONTROL PANEL – MICRO PANEL (CE - EUROPEAN COMPLIANCE)



LD07588

FIG. 2A – CONTROL PANEL – MICRO PANEL (CE - EUROPEAN COMPLIANCE)

CONTROL PANEL – MICRO PANEL (CE - EUROPEAN COMPLIANCE)

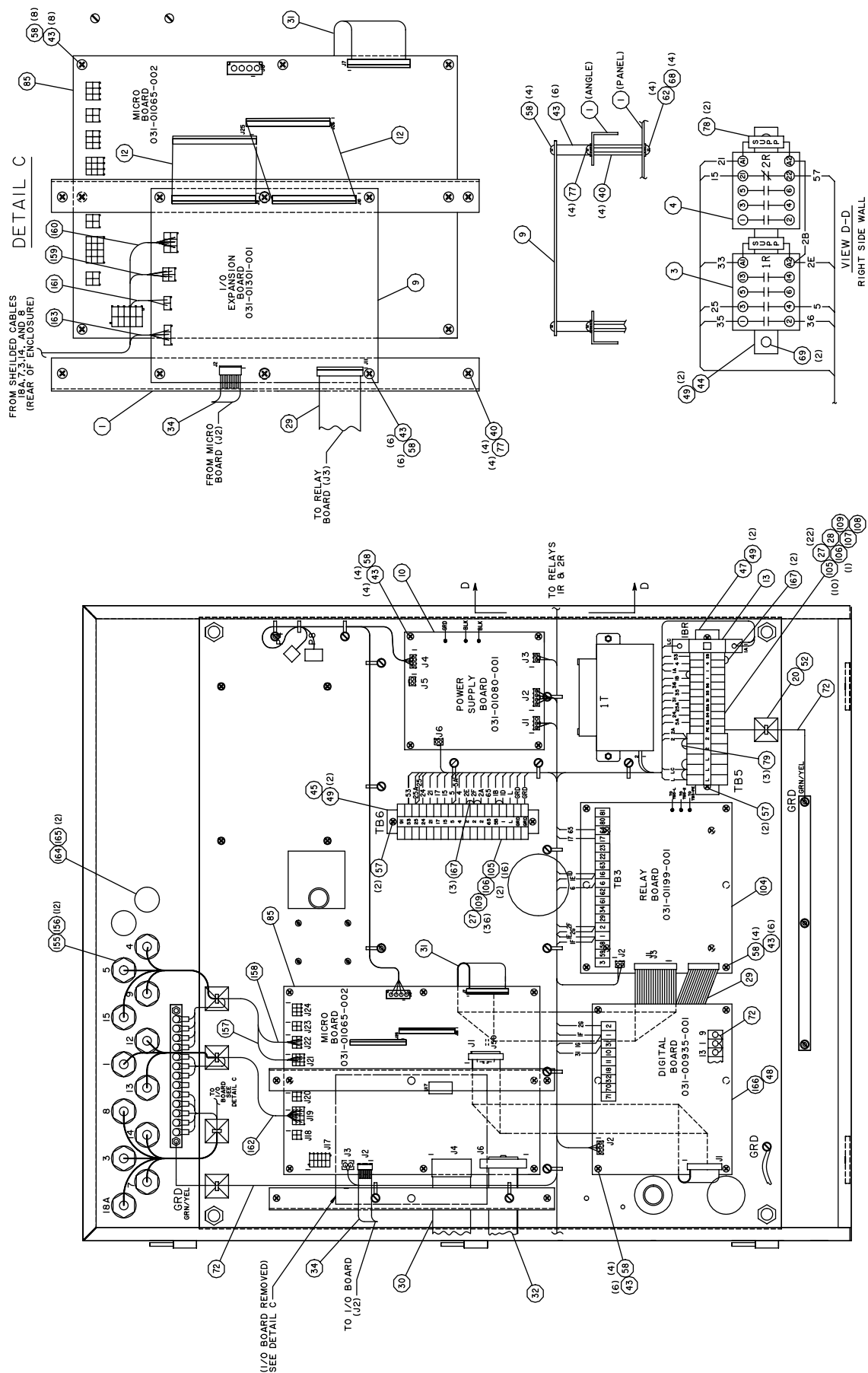


FIG. 3A – CONTROL PANEL - MICRO PANEL (CE - EUROPEAN COMPLIANCE)

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CONTROL PANEL – MICRO PANEL (CE - EUROPEAN COMPLIANCE)

LD07572

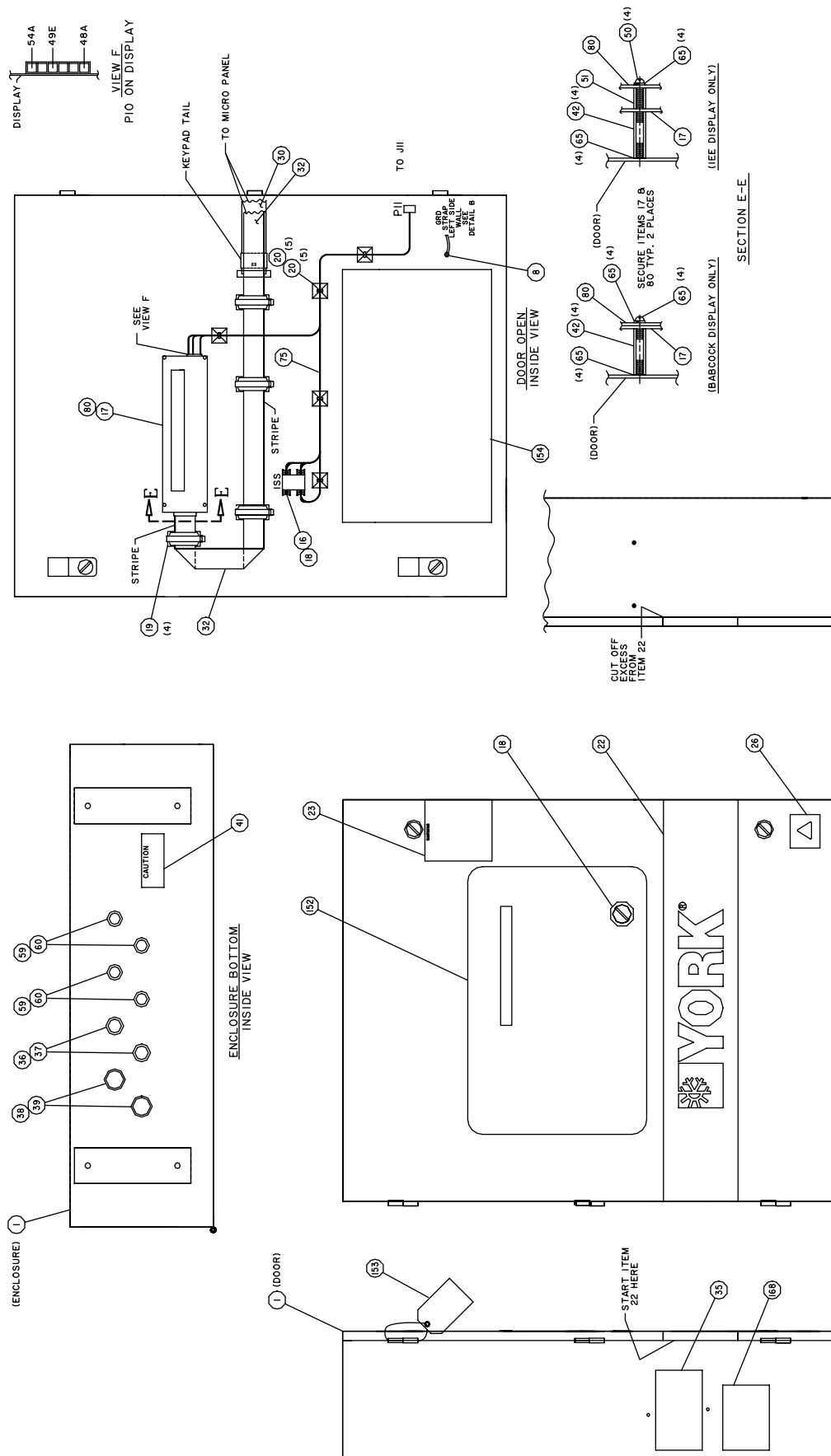


FIG. 4A – CONTROL PANEL - MICRO PANEL (CE - EUROPEAN COMPLIANCE)

MAIN CONTROL PANEL – COMMON PARTS

STANDARD & NEMA 4

CE - EUROPEAN COMPLIANCE – UK & GERMAN

STD. ITEM NO.	CE ITEM NO.	DESCRIPTION	FIG.	QTY.	PART NO.
–	CE-3	Relay Control (1R)	3	1	024-26947-000
4	–	Relay Control (1R)	3	1	024-23962-000
–	CE-4	Relay Control (2R)	3	1	024-25598-000
5	CE-5	Transformer (1T)	2	1	025-27911-000
6	–	Fuse, 7 amp (1FU)	2	2	025-29905-000
–	CE-6	Bar, Ground	–	1	071-01472-306
–	CE-7	Bar, Ground	–	1	071-01472-307
–	CE-8	Nut, Washer (KEPS) 1/4-20	–	3	021-17269-000
9	CE-9	Control, I/O Expansion Board	3	1	031-01301-001
10	–	Control, Power Supply Board	3	1	031-01080-000
–	CE-10	Control, Power Supply Board	3	1	031-01080-001
12	CE-12	Cable, Ribbon-I/O Expansion Board J9 & J10	3	2	031-01322-000
–	CE-13	Circuit Breaker	–	1	024-26953-000
14	CE-14	Clamp, Ribbon Wire	2	1	025-29103-000
15	–	Strap, Cable	2	2	025-11098-000
–	CE-15	Screw, Cap Socket HD, 1/4-28 X 3/8 LG.	–	37	021-18409-000
16	–	Strap, Cable	3	1	025-09607-000
–	CE-16	Switch, Safety Term	–	8	024-26952-000
17	CE-17	Display, Panel	4	1	031-00775-001
–	CE-18	Switch, Rotary	–	1	024-26951-000
19	CE-19	Clamp, Ribbon Wire	2	11	025-25156-000
20	–	Mount, Cable Strap	4	5	025-25155-000
–	CE-20	Mount, Cable Strap	4	10	025-25155-000
23	–	Label, Warning	4	1	035-03908-000
–	CE-23	Label, Warning (German)	4	1	035-09999-000
24	CE-41	Label, Caution	4	1	035-05548-000
–	CE-24	Label, 1P54	–	1	035-11971-000
25	–	Label, Notice	4	1	035-05973-000
26	–	Label, Warning	4	1	035-07425-000
–	CE-26	Label, Warning (German-CE)	4	1	035-11929-000
27	–	Strip, Marker	3	1	025-29933-000
–	CE-27	Marker, Terminal Block	3	5.8	025-31446-000
28	–	Strip, Marker	3	1	025-29911-000
–	CE-28	Marker, Terminal Block	3	1	025-31445-000

MAIN CONTROL PANEL – COMMON PARTS (continued)

STANDARD & NEMA 4

CE - EUROPEAN COMPLIANCE – UK & GERMAN

STD. ITEM NO.	CE ITEM NO.	DESCRIPTION	FIG.	QTY.	PART NO.
29	CE-29	Cable, Ribbon-Relay J3	2	1	031-01323-000
31	CE-31	Cable, Ribbon-MTA Relay	2	1	031-00951-000
33	CE-33	Cable, Ribbon-Digital Input Board J1	2	1	031-00953-000
34	CE-34	Cable, Ribbon-Micro Board J2	2	1	031-01321-000
35	CE-35	Nameplate, Patent	4	1	029-20119-000
–	CE-36	Plug, Threaded Knockout, 1/2" conduit	–	2	025-31400-000
37	–	Terminal Block	3	17	025-20944-000
–	CE-37	Nut, Lock for Knockout	–	2	021-18404-000
38	–	Terminal Block	3	14	025-20945-000
–	CE-38	Plug, Threaded Knockout, 3/4" conduit	–	2	025-31401-000
39	–	Terminal Block End	3	2	025-20946-000
	CE-39	Nut, Lock for Knockout	–	2	021-18405-000
40	CE-40	Spacer, #8-32 x 3-1/4 lg.	2	4	021-17256-000
42	CE-42	Spacer, #6-32 x 3/4 lg.	4	4	021-17259-000
43	CE-43	Nut, Expansion	2	30	021-14661-000
–	CE-44	Rail, Mounting, Disconnect Switch	–	1	071-01472-302
–	CE-45	Rail, Mounting	–	1	071-01472-303
–	CE-47	Rail, Mounting	–	1	071-01472-304
–	CE-48	Insulator, Digital Control	–	1	071-01472-305
–	CE-49	Clamp, End	–	6	025-29189-000
50	CE-50	Screw, Mach. Pan HD Recd, #6-32 x 3/4 lg.	4	4	021-03739-000
51	CE-51	Spacer, RAF 1127-6-N-O	4	4	021-17776-000
52	–	Strap, Cable	3	10	025-18167-000
–	CE-52	Strap, Cable	3	11	025-18167-000
53	–	Washer, Cup	3	16	021-14191-000
54	–	Screw, Tap, type F hex head, #10-32 x 3/8 lg.	3	17	021-17608-000
56	–	Screw, Mach. Pan HD Recd, #10-24 x 3/8 lg.	3	6	021-03745-000
57	–	Screw, Tap, type B pan head, #10x 1/2 lg.	2	18	021-13789-000
–	CE-57	Screw, Tap, type B pan head, #10x 1/2 lg.	2	19	021-13789-000

MAIN CONTROL PANEL – COMMON PARTS (continued)

STANDARD & NEMA 4

CE - EUROPEAN COMPLIANCE – UK & GERMAN

STD. ITEM NO.	CE ITEM NO.	DESCRIPTION	FIG.	QTY.	PART NO.
58	–	Screw, Tap, type B pan head, #8 x 1-1/4 lg.	3	30	021-14667-000
–	CE-58	Screw, Tap, type B pan head, #8 x 1-1/4 lg.	3	26	021-14667-000
–	CE-59	Plug, Threaded Knockout, 3/8" conduit	–	6	025-31472-000
60	–	Screw, Tap, type B pan head, #8 x 3/8 lg.	3	16	021-13783-000
–	CE-60	Nut, Lock for Knockout	–	6	021-18410-000
61	–	Screw, Tap cut type F, #6-32 x 1/2 lg.	3	6	021-13721-000
–	CE-61	Screw, Tap cut type F, #6-32 x 1/2 lg.	3	4	021-13721-000
62	CE-62	Screw, Mach. Pan HD Recd, #8-32 x 1/2 lg.	2	4	021-01722-000
63	–	Screw, Mach. Pan HD Recd, #6-32 x 3/8 lg.	4	4	021-01692-000
64	–	Nut/Washer (KEPS), #10-24	2	11	021-18024-000
–	CE-55	Nut/Washer (KEPS), #10-24	2	2	021-18024-000
65	CE-65	Lockwasher, Internal Tooth, #6	4	8	021-01132-000
66	–	Lockwasher, Internal Tooth, #10	4	2	021-01137-000
–	CE-66	Nut, Hex, 3/8-16	–	4	021-00467-000
67	–	Lockwasher, Internal Tooth, #8	2	4	021-01133-000
–	CE-67	Lockwasher, Internal Tooth, 3/8	–	4	021-01155-000
68	–	Washer, Plain, 5/32 ID x 3/8 O D x .049 thk.	3	2	021-11641-000
–	CE-68	Lockwasher, Internal Tooth, #8	2	4	021-01133-000
69	–	Nut/Washer (KEPS), #8-32	2	4	021-17664-000
–	CE-69	Nut/Washer (KEPS), #8-32	2	11	021-17664-000
72	–	Wiring, Harness, Main	2	1	571-01288-201
–	CE-72	Wiring, Harness, Main	2	1	571-01472-201
73	CE-73	Wiring, Harness, Card Cage	2	1	571-01111-001
77	CE-77	Screw/Washer Assy. (SEMS) #8-32 x 1/2 lg.	3	4	021-17268-000
78	–	Suppressor *see note 2	3	6	031-00808-000
–	CE-78	Suppressor *see note 2	3	8	024-26599-000
–	CE-79	Jumper, Terminal Block	–	3	025-31475-000
80	CE-80	Insulator, Display	4	1	071-01113-000
82	–	Screw, Mach. Pan HD Recd, 1/4-20 x 3/4 lg.	3	1	021-03748-000
–	CE-82	Screw, Mach. Pan HD Recd, 1/4-20 x 1/2 lg.	–	4	021-01853-000
83	–	Nut, Hex, 1/4-20	3	1	021-00451-000
–	CE-83	Nut, Hex, 1/4-20	3	4	021-00451-000
84	–	Lockwasher, Internal Tooth, 1/4	3	1	021-01148-000
–	CE-84	Lockwasher, Internal Tooth, 1/4	3	4	021-01148-000
85	CE-85	Micro Board Control *see note 1	3	1	031-01065-002
104	–	Relay Control Board	3	1	031-01199-000
–	CE-104	Relay Control Board	3	1	031-01199-001
105	–	Label, Fuse	3	1	025-29931-000
–	CE-105	Terminal Block	3	26	025-31442-000

MAIN CONTROL PANEL – COMMON PARTS (continued)

STANDARD & NEMA 4

CE - EUROPEAN COMPLIANCE – UK & GERMAN

STD. ITEM NO.	CE ITEM NO.	DESCRIPTION	FIG.	QTY.	PART NO.
–	CE-106	Terminal Block	3	3	025-31443-000
107	–	Fuse Holder	2	1	025-13991-000
	CE-107	Terminal Block	3	5	025-31476-000
108	–	Screw, Tap, type B hex head, #10 x 1/2 lg.	3	4	021-14786-000
–	CE-108	Terminal Block End Cover	3	1	025-28490-000
–	CE-109	Terminal Block End Cover	3	2	025-31477-000
151	CE-151	EPROM, Programmed	3	1	031-01417-001
152	–	Keypad, (English & UK)	4	1	024-26193-000
–	CE-152	Keypad, (English & UK)	4	1	024-26913-000
–	CE-152	Keypad, (German)	4	1	024-26543-000
154	–	Digital Input Control Board	3	1	031-00935-000
–	CE-166	Digital Input Control Board	3	1	031-00935-001
–	CE-154	Label, Wiring, Micro Panel	-	1	035-11967-000
155	–	Jumper Terminal Block	3	2	025-13984-000
–	CE-167	Jumper Terminal Block	3	6	025-31474-000
–	CE-155	Plug, Liquid Tight for 11/16 clearance hole	-	12	025-31473-000
156	–	Micro Panel Enclosure and Door	2	1	371-01288-301
–	CE-1	Micro Panel Enclosure and Door	2	1	371-01472-301
–	CE-156	Nut, Lock for Knockout	-	12	021-18411-000
157	–	Fastener, Pawl, Adjustable Lock (standard code)	4	1	021-17252-000
–	CE-157	Harness, Shielded Cable	-	1	571-01472-463
158	–	Switch, Rocker	4	1	024-23143-000
–	CE-158	Harness, Shielded Cable	-	1	571-01472-466
–	CE-159	Harness, Shielded Cable	-	1	571-01472-473
160	CE-22	Label, Identification	4	1	035-07878-000
–	CE-160	Harness, Shielded Cable	-	1	571-01472-475
161	CE-30	Cable, Ribbon-Keypad	2	1	031-00950-000
–	CE-161	Harness, Shielded Cable	-	1	571-01472-477
162	CE-32	Cable, Ribbon-Display	2	1	031-00952-000
–	CE-162	Harness, Shielded Cable	-	1	571-01472-424
163	–	Wiring, Harness, Door	4	1	571-01288-211
–	CE-75	Wiring, Harness, Door	4	1	571-01472-211
–	CE-163	Harness, Shielded Cable	-	1	571-01472-426

MAIN CONTROL PANEL – COMMON PARTS (continued)

STANDARD & NEMA 4

CE - EUROPEAN COMPLIANCE – UK & GERMAN

STD. ITEM NO.	CE ITEM NO.	DESCRIPTION	FIG.	QTY.	PART NO.
–	CE-164	Plug, Liquid Tight for 11/16 clearance hole	–	2	025-32579-000
–	CE-165	Nut, Lock for Knockout	–	2	021-18678-000
–	CE-168	Nameplate, Data Stamping	–	1	071-01481-000

OPTIONS

–	Control, Remote Reset (customer supplied) *see note 3	–	1	031-00814-000
–	Card File (customer option)	–	1	031-00827-000
–	IC, Real Time Clock-U16	–	1	031-00955-000
–	Voltage Transient Protection Module for Micro Board RS-485 serial port *see note 4	–	1	031-01586-000

NOTES:

1. Replacement Micro Boards are supplied without EPROM. Remove EPROM from defective board and use in replacement board.
2. Suppressors are shipped loose for field use to place across the coil of any relay or contactor connected to the control panel or its single-phase power supply, including the application of:
 - Alarm Circuit Relays
 - Pump Starter (contactor)
 - Flow Switch Inputs
 - BAS Inputs
 - Quantity of six (6) suppressors shipped with domestic units
 - Quantity of eight (8) suppressors shipped with overseas units
3. If it is desired to remotely reset both the leaving water temperature setpoint and the load limit setpoint, two (2) remote reset boards are required. Otherwise, only one (1) is required.
4. Only used on units equipped with ISN Fax-4500 BAS connected to RS-485 serial port TB7. If Voltage Transient protection module is being installed for the first time, order kit 371-01477-000. Kit includes module and installation instructions.

MAIN CONTROL PANEL – ELECTRICAL CONNECTIONS

MAIN CONTROL PANEL ELECTRICAL CONNECTIONS				
APPLICATION	POSITION	PINS	PLUG PART NO.	PIN PART NO.
Micro Board	J3	2	025-21136-000	025-19674-000
	J8	4	025-21138-000	025-19674-000
	J17	15	025-28385-000	025-28386-000
	J19	12	025-28384-000	025-28386-000
	J21	9	025-28383-000	025-28386-000
	J22	6	025-28382-000	025-28386-000
I/O Expansion Board	J1	2	025-29130-000	025-28386-000
	J3	2	025-29130-000	025-28386-000
	J4	6	025-28382-000	025-28386-000
	J5	4	025-28959-000	025-28386-000
	J6	3	025-29185-000	025-28386-000
	J7	2	025-21136-000	025-19674-000
	J8	6	025-28382-000	025-28386-000
Power Supply Board	J1	3	025-21137-000	025-32506-000
	J2	4	025-21138-000	025-19674-000
	J3	2	025-21136-000	025-32506-000
	J4	3	025-21137-000	025-19674-000
	J6	2	025-29130-000	025-28386-000
Digital Board	J2	3	025-21137-000	025-19674-000
Relay Board	J2	2	025-21136-000	025-19674-000

DANGLING CONNECTOR (connects door harness with main panel harness)				
APPLICATION	POSITION	PINS	DESCRIPTION	PART NO.
Micropanel	Door	9	Connector	025-21192-000
	Door	9	Pin	025-22214-000
	Door	9	Mate	025-21191-000
	Door	9	Socket	025-22215-000
Insulated spring spade terminal for shielded cable drain wire connection to panel				025-19407-000
Un-insulated, straight push-on connection terminal with insulation support clamp				025-06874-000

UNIT THERMISTORS AND PRESSURE TRANSDUCER CONNECTIONS		
APPLICATION	DESCRIPTION	PART NO.
Shielded Cable, Sensor End	Two pin housing (plug) (for Thermistor connection)	025-28951-000
	Three pin housing (plug) (for Pressure Transducer)	025-28954-000
	Rubber collars to fit over wire insulation	025-28950-000
	Contact receptacles (metal terminals)	025-28952-000
Thermistor	Two pin housing (cap) for sensor end (supplied with thermistor)	025-28948-000
	Rubber collars to fit over wire insulation (supplied with thermistor)	025-28950-000
	Contact tabs (metal terminals) (supplied with thermistor)	025-28949-000
Transducer	Three pin housing (cap) for transducer (supplied with transducer)	025-28953-000
	Rubber collars to fit over wire insulation (supplied with transducer)	025-28950-000
	Contact tabs (metal terminals) (supplied with transducer)	025-28949-000

HARNESS AND SENSOR CONNECTIONS

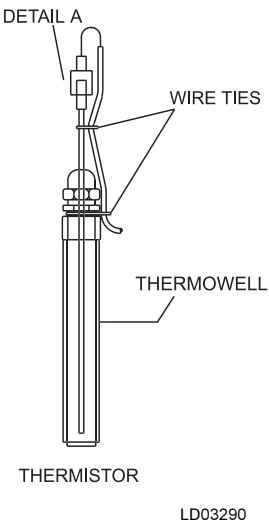


FIG. 5 – THERMISTOR AND THERMOWELL ASSEMBLY

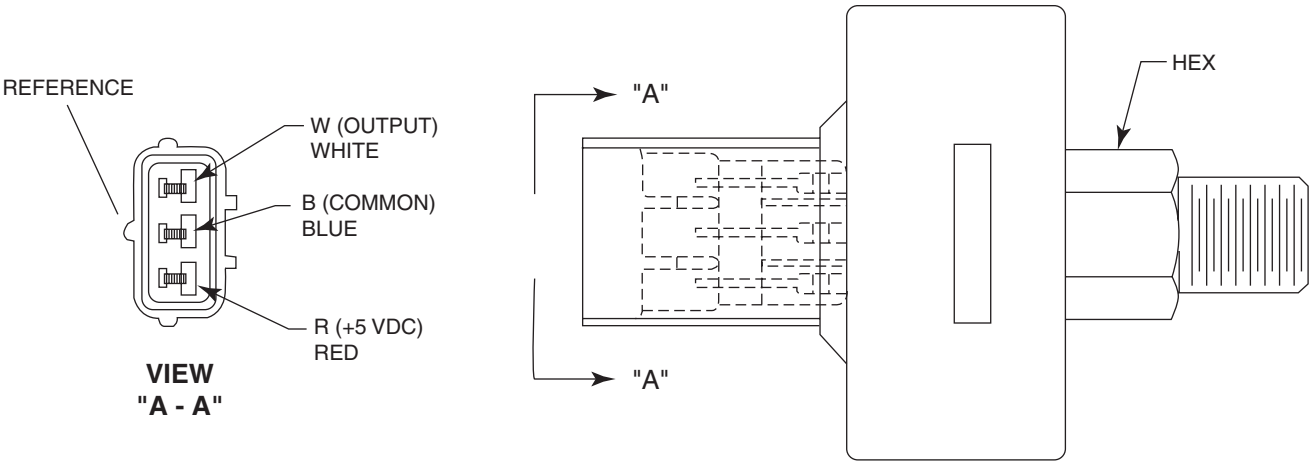
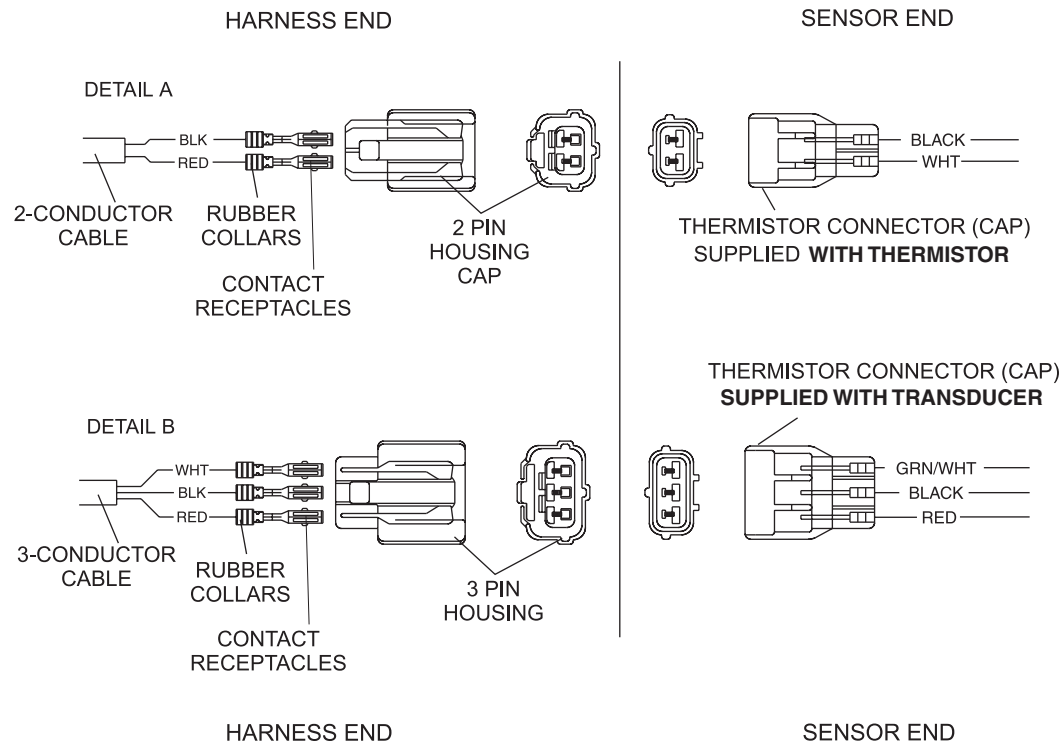


FIG. 6 – PROPER WIRING FOR TRANSDUCERS

LD07573

HARNESS AND SENSOR CONNECTIONS



LD04171

FIG. 7 – CONDUCTOR AND HOUSING ASSEMBLY

60 HZ STANDARD UNITS

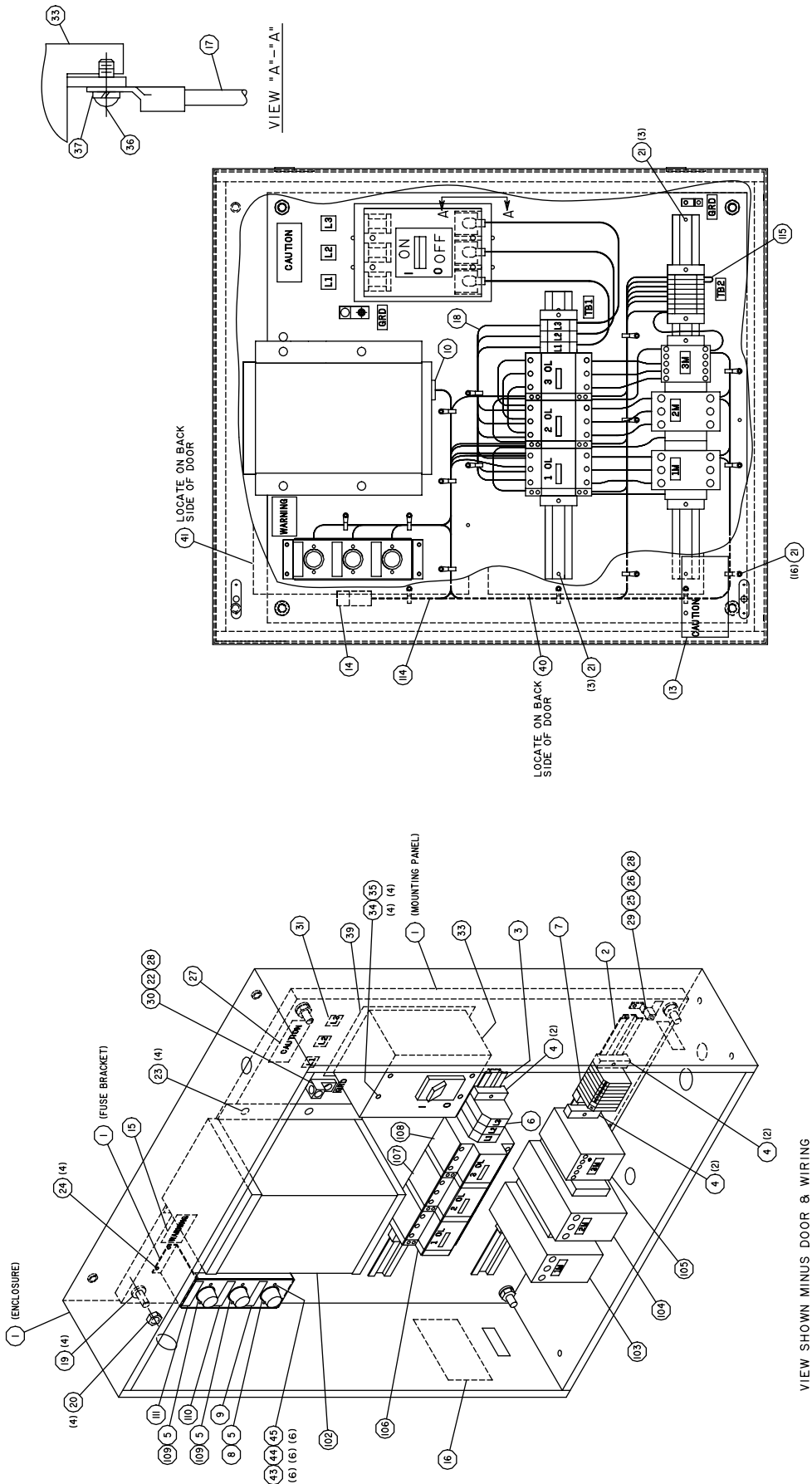
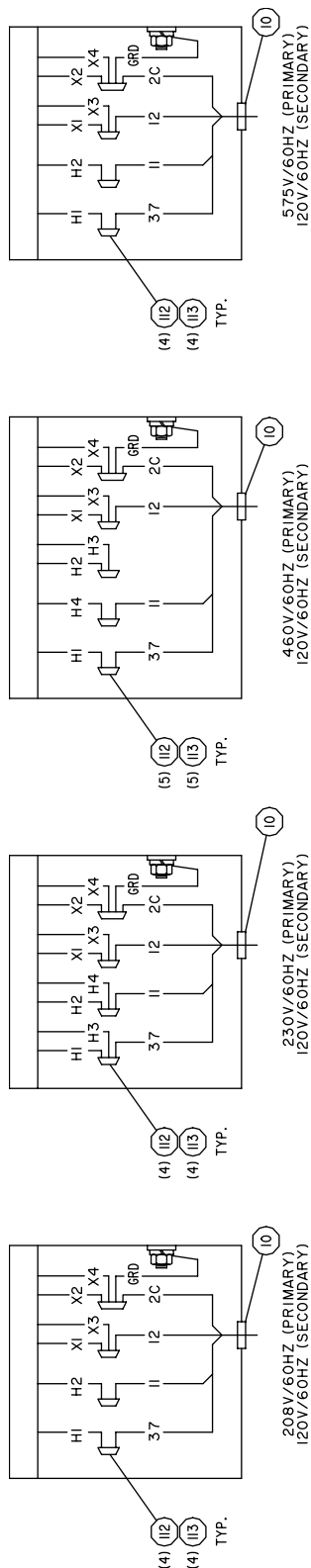


FIG. 8 – 60 HZ STANDARD UNITS

LD07574

60 HZ STANDARD UNITS (CONTINUED)

LD07575



TRANSFORMER WIRING CONNECTION VIEWS

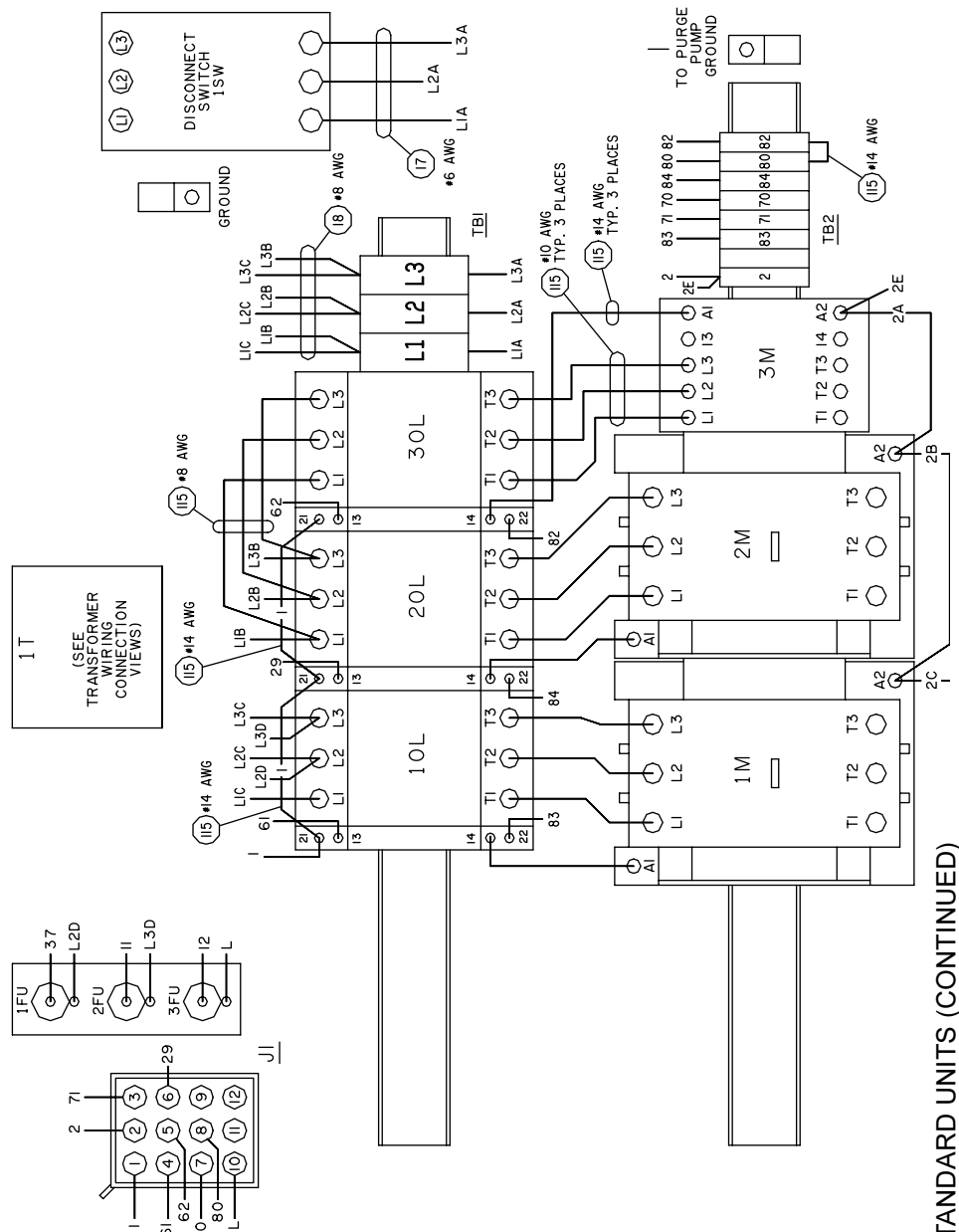


FIG. 9 – 60 HZ STANDARD UNITS (CONTINUED)

60 HZ STANDARD UNITS (CONTINUED)

POWER PANEL COMPONENTS – 60 HZ STANDARD UNITS							
DESCRIPTION	ITEM NO.	VOLTAGE	QTY.	MODELS (HOT WATER AND STEAM)			
				YIA-1A1 THRU YIA-2B1	YIA-3B2 THRU YIA-5C3	YIA-6C4 AND YIA-7D1	YIA-7D2 AND YIA-8D3
Transformer (1T)	102	208	1	025-28664-001	025-28664-001	025-28664-001	025-28664-001
		230/460	1	025-28664-002	025-28664-002	025-28664-002	025-28664-002
		575	1	025-28664-004	025-28664-004	025-28664-004	025-28664-004
Contactor (1M)	103	208/230	1	024-25584-000	024-25584-000	024-25584-000	024-25585-000
		460	1	024-25521-000	024-25526-000	024-25526-000	024-25526-000
		575	1	024-25521-000	024-25521-000	024-25521-000	024-25526-000
Contactor (2M)	104	208/230	1	024-25584-000	024-25584-000	024-25584-000	024-25584-000
		460/575	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Contactor (3M)	105	ALL	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Motor Protector (1OL) Solution Pump	106	208	1	024-27282-000	024-26187-000	024-26187-000	024-25581-000
		230	1	024-27282-000	024-27284-000	024-27284-000	024-25581-000
		460	1	024-27281-000	024-27268-000	024-27268-000	024-27283-000
		575	1	024-25578-000	024-25579-000	024-25579-000	024-25587-000
Motor Protector (2OL) Refrigerant Pump	107	208	1	024-27282-000	024-27282-000	024-27282-000	024-27282-000
		230	1	024-27282-000	024-27282-000	024-27282-000	024-27282-000
		460	1	024-27281-000	024-27281-000	024-27281-000	024-27281-000
		575	1	024-25578-000	024-25578-000	024-25578-000	024-27267-000
Motor Protector (3OL) Purge Pump	108	208/230	1	024-27279-000	024-27279-000	024-27279-000	024-27279-000
		460/575	1	024-27278-000	024-27278-000	024-27278-000	024-27278-000
Fuse, Primary 1FU & 2FU	109	208	2	025-27972-000	025-27972-000	025-27972-000	025-27972-000
		230	2	025-27971-000	025-27971-000	025-27971-000	025-27971-000
		460/575	2	025-27922-000	025-27922-000	025-27922-000	025-27922-000
Label, Fuse (2FU)	110	208	1	035-09710-002	035-09710-002	035-09710-002	035-09710-002
		230	1	035-09710-004	035-09710-004	035-09710-004	035-09710-004
		460/575	1	035-09710-006	035-09710-006	035-09710-006	035-09710-006
Label, Fuse (1FU)	111	208	1	035-09710-003	035-09710-003	035-09710-003	035-09710-003
		230	1	035-09710-005	035-09710-005	035-09710-005	035-09710-005
		460/575	1	035-09710-007	035-09710-007	035-09710-007	035-09710-007
Ferrule	112	208/230/575	4	025-10372-000	025-10372-000	025-10372-000	025-10372-000
		460	5	025-10372-000	025-10372-000	025-10372-000	025-10372-000
Insulator	113	208/230/575	4	025-10371-000	025-10371-000	025-10371-000	025-10371-000
		460	5	025-10371-000	025-10371-000	025-10371-000	025-10371-000
Main Harness	114	ALL	1	571-01410-221	571-01410-221	571-01410-221	571-01410-221
Loose Harness	115	ALL	1	571-01410-211	571-01410-211	571-01410-211	571-01410-211

SEE FIGS. 8 & 9

60 HZ STANDARD UNITS (CONTINUED)

POWER PANEL COMPONENTS – 60 Hz STANDARD UNITS								
DESCRIPTION	ITEM NO.	VOLTAGE	QTY.	MODELS (HOT WATER AND STEAM)				
				YIA-8E1	YIA-9E2	YIA-10E3	YIA-12F1	YIA-13F2 AND YIA-14F3
Transformer (1T)	102	208	1	025-28664-001	025-28664-001	025-28664-001	025-28664-001	025-28664-001
		230/460	1	025-28664-002	025-28664-002	025-28664-002	025-28664-002	025-28664-002
		575	1	025-28664-004	025-28664-004	025-28664-004	025-28664-004	025-28664-004
Contactor (1M) Solution Pump	103	208/230	1	024-25585-000	024-25585-000	024-25585-000	024-25585-000	024-25585-000
		460	1	024-25526-000	024-25584-000	024-25584-000	024-25526-000	024-25584-000
		575	1	024-25526-000	024-25526-000	024-25526-000	024-25526-000	024-25526-000
Contactor (2M) Refrigerant Pump	104	208/230	1	024-25584-000	024-25584-000	024-25585-000	024-25585-000	024-25585-000
		460	1	024-25521-000	024-25526-000	024-25526-000	024-25526-000	024-25526-000
		575	1	024-25521-000	024-25521-000	024-25526-000	024-25526-000	024-25526-000
Contactor (3M) Purge Pump	105	ALL	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Motor Protector (1OL) Solution Pump	106	208	1	024-25581-000	024-25582-000	024-25582-000	024-25581-000	024-25582-000
		230	1	024-25581-000	024-25582-000	024-25582-000	024-25581-000	024-25582-000
		460	1	024-27283-000	024-27284-000	024-27284-000	024-27283-000	024-27284-000
		575	1	024-25587-000	024-25580-000	024-25580-000	024-25587-000	024-25580-000
Motor Protector (2OL) Refrigerant Pump	107	208	1	024-27282-000	024-26187-000	024-25581-000	024-25581-000	024-25581-000
		230	1	024-27282-000	024-27284-000	024-25581-000	024-25581-000	024-25581-000
		460	1	024-27281-000	024-27268-000	024-27283-000	024-27283-000	024-27283-000
		575	1	024-25578-000	024-25579-000	024-25587-000	024-25587-000	024-25587-000
Motor Protector (3OL) Purge Pump	108	208/230	1	024-27279-000	024-27279-000	024-27279-000	024-27279-000	024-27279-000
		460/575	1	024-27278-000	024-27278-000	024-27278-000	024-27278-000	024-27278-000
Fuse, Primary 1FU & 2FU	109	208	2	025-27972-000	025-27972-000	025-27972-000	025-27972-000	025-27972-000
		230	2	025-27971-000	025-27971-000	025-27971-000	025-27971-000	025-27971-000
		460/575	2	025-27922-000	025-27922-000	025-27922-000	025-27922-000	025-27922-000
Label, Fuse (2FU)	110	208	1	035-09710-002	035-09710-002	035-09710-002	035-09710-002	035-09710-002
		230	1	035-09710-004	035-09710-004	035-09710-004	035-09710-004	035-09710-004
		460/575	1	035-09710-006	035-09710-006	035-09710-006	035-09710-006	035-09710-006
Label, Fuse (1FU)	111	208	1	035-09710-003	035-09710-003	035-09710-003	035-09710-003	035-09710-003
		230	1	035-09710-005	035-09710-005	035-09710-005	035-09710-005	035-09710-005
		460/575	1	035-09710-007	035-09710-007	035-09710-007	035-09710-007	035-09710-007
Ferrule	112	208/230/575	4	025-10372-000	025-10372-000	025-10372-000	025-10372-000	025-10372-000
		460	5	025-10372-000	025-10372-000	025-10372-000	025-10372-000	025-10372-000
Insulator	113	208/230/575	4	025-10371-000	025-10371-000	025-10371-000	025-10371-000	025-10371-000
		460	5	025-10371-000	025-10371-000	025-10371-000	025-10371-000	025-10371-000
Main Harness	114	ALL	1	571-01410-221	571-01410-221	571-01410-221	571-01410-221	571-01410-221
Loose Harness	115	ALL	1	571-01410-211	571-01410-211	571-01410-211	571-01410-211	571-01410-211

SEE FIGS. 8 & 9

60 HZ STANDARD UNITS (CONTINUED)

POWER PANEL COMPONENTS				
MISCELLANEOUS PARTS for 60Hz STANDARD UNITS (All Models)				
ITEM	DESCRIPTION	FIG.	QTY.	PART NO.
1	Enclosure and Door	8	1	371-01290-301
2	Contactor mounting rail	8	1	071-01290-303
3	Overload mounting rail	8	1	071-01290-304
4	Rail clamp	8	6	025-29189-000
5	Fuseholder	8	3	025-17407-000
6	Terminal Block, 3 pole	8	1	025-29166-000
7	Terminal Block, 8 pole	8	1	025-32555-000
8	Fuse, 10 amp	8	1	025-27971-000
9	Label, Fuse (3FU)	8	1	035-09710-001
10	Snap Bushing	9	1	025-10209-000
13	Label, Caution	8	1	035-03908-000
14 *	Housing, Plug, 12 pin universal	9	1	025-21196-000
15	Label, Warning	8	1	035-12603-000
16	Nameplate (unstamped)	8	1	071-02092-000
17	Harness, Power Disconnect	9	1	571-01410-213
18	Harness, Power Overload	8	1	571-01290-221
19	Lockwasher, Internal Tooth 3/8"	8	4	021-01155-000
20	Nut, Hex 3/8-16	8	4	021-00467-000
21	Screw, Tap Pan Head, #10-x 1/2"	8	22	021-13789-000
22	Nut, KEPS 1/4-20	8	1	021-17269-000
23	Screw, SEMS, #10-24 x 1/2"	8	4	021-17596-000
24	Screw, Tap, Serrated Head, #8 x 1/2"	8	4	021-12889-000
25	Lockwasher, Internal Tooth #10	8	1	021-01137-000
26	Nut, Hex #10-24	8	1	021-08282-000
27	Label, Caution	8	1	035-05548-000
28	Label, Ground	8	2	030-15990-000
29	Terminal Ground Lug	8	1	025-29194-000
30	Terminal Lug	8	1	025-19985-000
31	Label, Identification Input	8	1	035-09316-000
33	Switch, Disconnect, 100 amp	8	1	024-25575-000
34	Screw, Pan Head, #8-32 x 3-1/2"	8	4	021-17662-000
35	Lockwasher, Tooth #8	8	4	021-01133-000
36	Screw, Round Head, 1/4-20 x 1"	8	3	021-01903-000
37	Lockwasher, Spring 1/4"	8	3	021-08276-000
39	Insulator, Disconnect, 100 amp	8	1	025-29934-001
40	Label, Connection	8	1	035-14013-000
41	Label, Elementary	8	1	035-14012-000
43	Screw, Pan Head, #6-32 x 1/2"	8	6	021-01696-000
44	Lockwasher, Tooth #6	8	6	021-01132-000
45	Nut, Hex #6-32	8	6	021-08281-000

* Requires 9 pins, YORK Part Number 025-19673-000

60 HZ NEMA 4 UNITS

LD07576

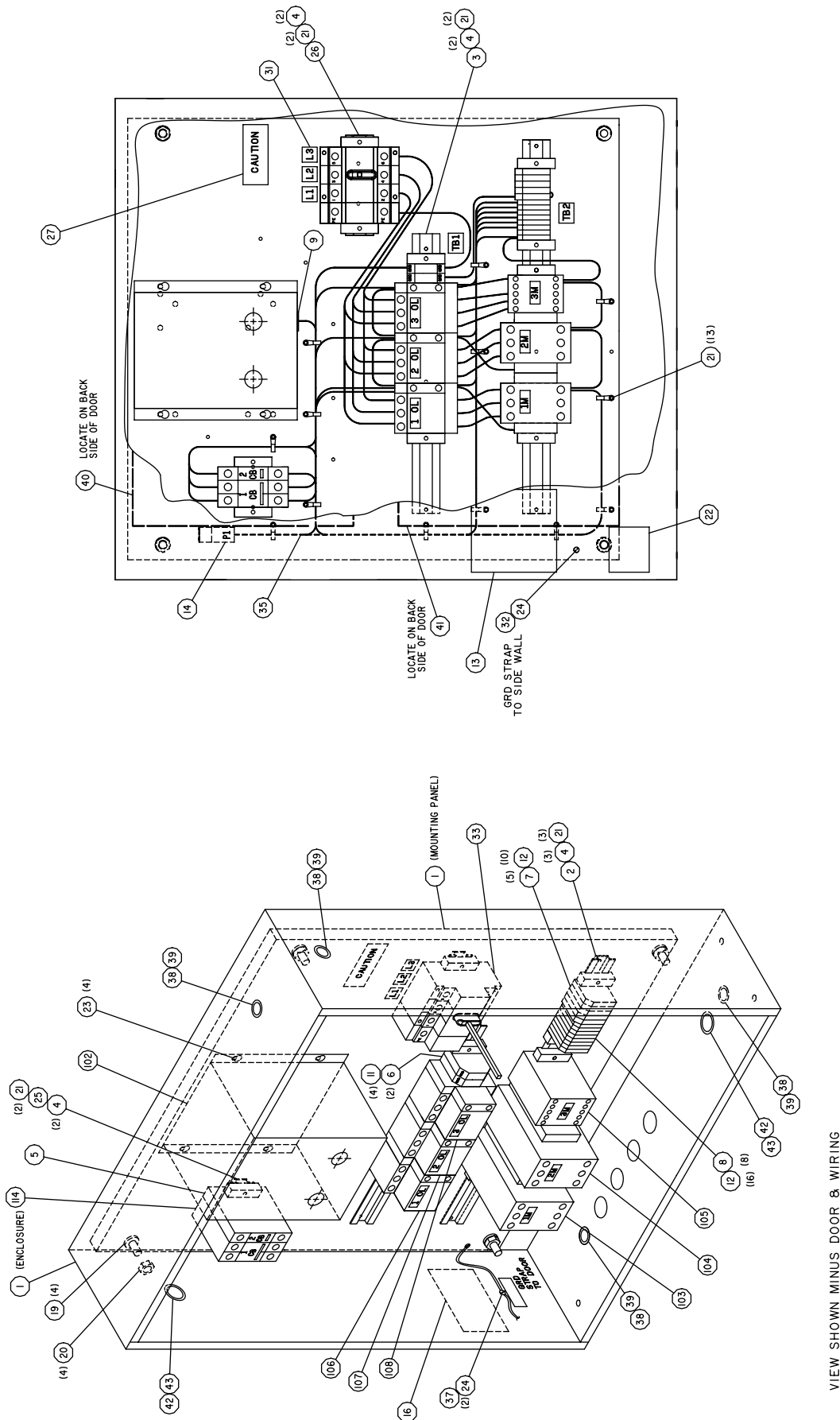


FIG. 10 – 60 HZ NEMA 4 UNITS

60 HZ NEMA 4 UNITS (CONTINUED)

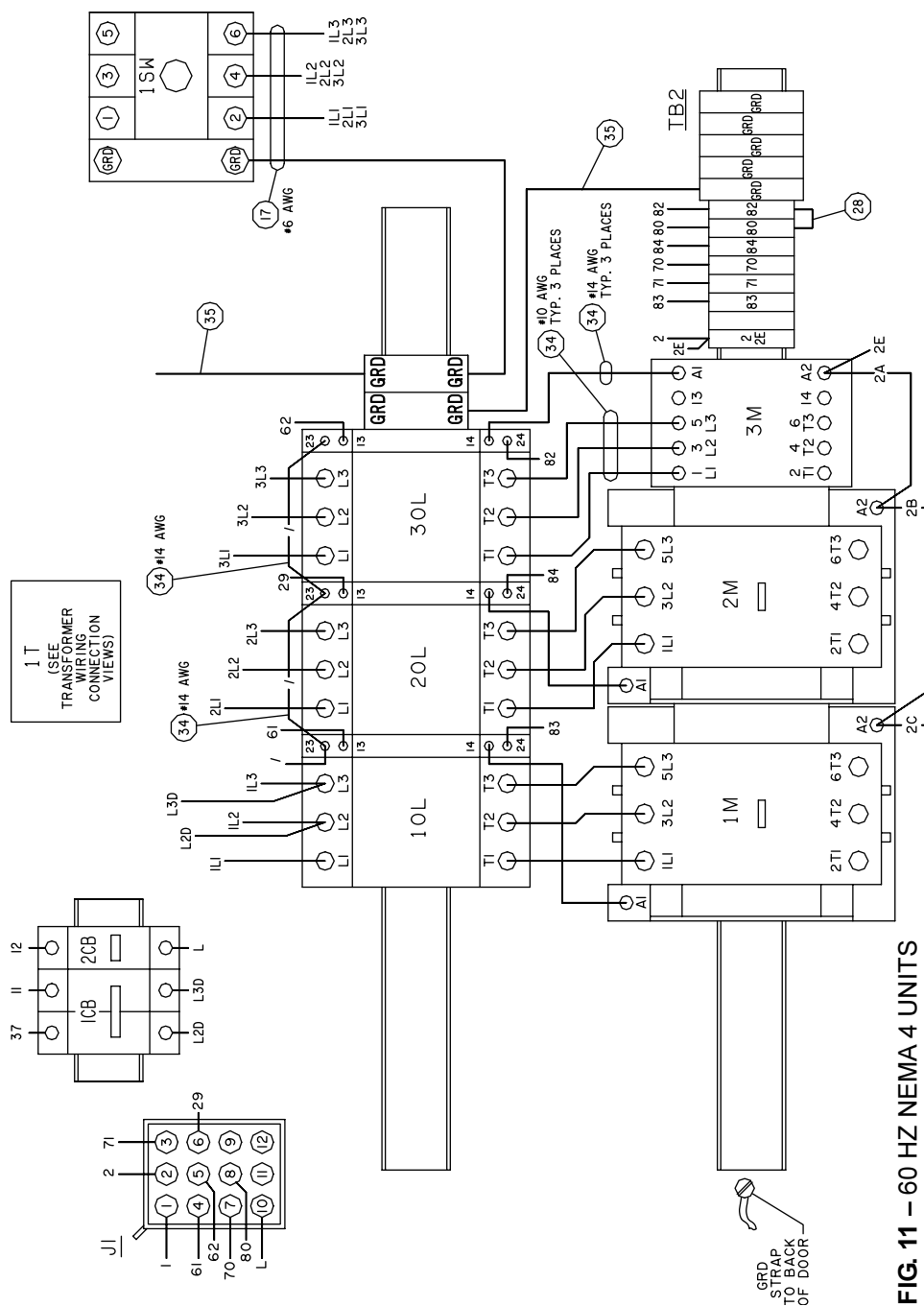
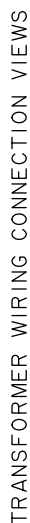
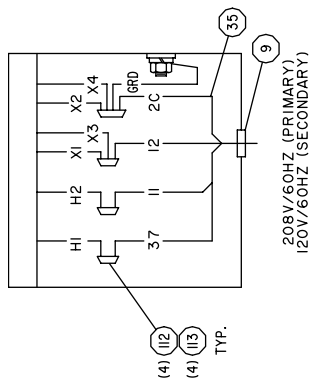
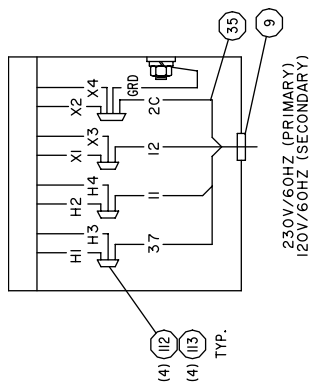
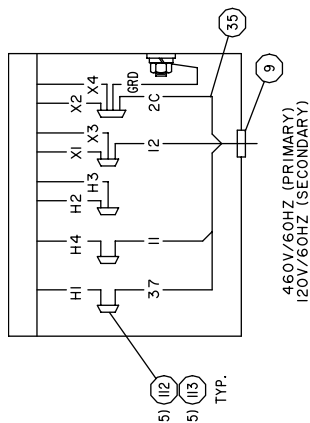
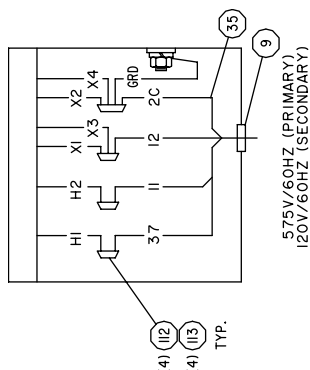


FIG. 11 – 60 HZ NEMA 4 UNITS

LD07577

60 HZ NEMA 4 UNITS (CONTINUED)

POWER PANEL COMPONENTS – 60 Hz NEMA 4 PANELS							
DESCRIPTION	ITEM NO.	VOLTAGE	QTY.	MODELS (HOT WATER AND STEAM)			
				YIA-1A1 THRU YIA-2B1	YIA-3B2 THRU YIA-5C3	YIA-6C4 AND YIA-7D1	YIA-7D2 AND YIA-8D3
Transformer (1T)	102	208	1	025-28664-001	025-28664-001	025-28664-001	025-28664-001
		230/460	1	025-28664-002	025-28664-002	025-28664-002	025-28664-002
		575	1	025-28664-004	025-28664-004	025-28664-004	025-28664-004
Contactor (1M) Solution Pump	103	208/230	1	024-25584-000	024-25584-000	024-25584-000	024-25585-000
		460	1	024-25521-000	024-25526-000	024-25526-000	024-25526-000
		575	1	024-25521-000	024-25521-000	024-25521-000	024-25526-000
Contactor (2M) Refrigerant Pump	104	208/230	1	024-25584-000	024-25584-000	024-25584-000	024-25584-000
		460/575	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Contactor (3M) Purge Pump	105	ALL	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Motor Protector (1OL) Solution Pump	106	208	1	024-25587-000	024-26187-000	024-26187-000	024-25581-000
		230	1	024-25587-000	024-26187-000	024-26187-000	024-25581-000
		460	1	024-25579-000	024-25587-000	024-25587-000	024-25580-000
		575	1	024-25578-000	024-25579-000	024-25579-000	024-25587-000
Motor Protector (2OL) Refrigerant Pump	107	208/230	1	024-25587-000	024-25587-000	024-25587-000	024-25587-000
		460	1	024-25579-000	024-25579-000	024-25579-000	024-25579-000
		575	1	024-25578-000	024-25578-000	024-25578-000	024-25578-000
Motor Protector (3OL) Purge Pump	108	208/230	1	024-25576-000	024-25576-000	024-25576-000	024-25576-000
		460/575	1	024-25586-000	024-25586-000	024-25586-000	024-25586-000
Ferrule	112	208/230/575	4	025-10372-000	025-10372-000	025-10372-000	025-10372-000
		460	5	025-10372-000	025-10372-000	025-10372-000	025-10372-000
Insulator	113	208/230/575	4	025-10371-000	025-10371-000	025-10371-000	025-10371-000
		460	5	025-10371-000	025-10371-000	025-10371-000	025-10371-000
Circuit Breaker, 2 Pole	114	208	1	024-27837-000	024-27837-000	024-27837-000	024-27837-000
		230	1	024-27836-000	024-27836-000	024-27836-000	024-27836-000
		460	1	024-27835-000	024-27835-000	024-27835-000	024-27835-000
		575	1	024-30903-000	024-30903-000	024-30903-000	024-30903-000

SEE FIGS. 10 & 11

60 HZ NEMA 4 UNITS (CONTINUED)

POWER PANEL COMPONENTS – 60 HZ NEMA 4 PANELS								
DESCRIPTION	ITEM NO.	VOLTAGE	QTY.	MODELS (HOT WATER AND STEAM)				
				YIA-8E1	YIA-9E2	YIA-10E3	YIA-12F1	YIA-13F2 AND YIA-14F3
Transformer (1T)	102	208	1	025-28664-001	025-28664-001	025-28664-001	025-28664-001	025-28664-001
		230/460	1	025-28664-002	025-28664-002	025-28664-002	025-28664-002	025-28664-002
		575	1	025-28664-004	025-28664-004	025-28664-004	025-28664-004	025-28664-004
Contactor (1M) Solution Pump	103	208/230	1	024-25585-000	024-25585-000	024-25585-000	024-25585-000	024-25585-000
		460	1	024-25526-000	024-25584-000	024-25584-000	024-25526-000	024-25584-000
		575	1	024-25526-000	024-25526-000	024-25526-000	024-25526-000	024-25526-000
Contactor (2M) Refrigerant Pump	104	208/230	1	024-25584-000	024-25584-000	024-25585-000	024-25585-000	024-25585-000
		460	1	024-25521-000	024-25526-000	024-25526-000	024-25526-000	024-25526-000
		575	1	024-25521-000	024-25521-000	024-25526-000	024-25526-000	024-25526-000
Contactor (3M) Purge Pump	105	ALL	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Motor Protector (1OL) Solution Pump	106	208	1	024-25581-000	024-25582-000	024-25582-000	024-25581-000	024-25582-000
		230	1	024-25581-000	024-25582-000	024-25582-000	024-25581-000	024-25582-000
		460	1	024-25580-000	024-26187-000	024-26187-000	024-25580-000	024-26187-000
		575	1	024-25587-000	024-25580-000	024-25580-000	024-25587-000	024-25580-000
Motor Protector (2OL) Refrigerant Pump	107	208	1	024-25587-000	024-26187-000	024-25581-000	024-25581-000	024-25581-000
		230	1	024-25587-000	024-26187-000	024-25581-000	024-25581-000	024-25581-000
		460	1	024-25579-000	024-25587-000	024-25580-000	024-25580-000	024-25580-000
		575	1	024-25578-000	024-25579-000	024-25587-000	024-25587-000	024-25587-000
Motor Protector (3OL) Purge Pump	108	208/230	1	024-25576-000	024-25576-000	024-25576-000	024-25576-000	024-25576-000
		460/575	1	024-25586-000	024-25586-000	024-25586-000	024-25586-000	024-25586-000
Ferrule	112	208/230/575	4	025-10372-000	025-10372-000	025-10372-000	025-10372-000	025-10372-000
		460	5	025-10372-000	025-10372-000	025-10372-000	025-10372-000	025-10372-000
Insulator	113	208/230/575	4	025-10371-000	025-10371-000	025-10371-000	025-10371-000	025-10371-000
		460	5	025-10371-000	025-10371-000	025-10371-000	025-10371-000	025-10371-000
Circuit Breaker, 2 Pole	114	208	1	024-27837-000	024-27837-000	024-27837-000	024-27837-000	024-27837-000
		230	1	024-27836-000	024-27836-000	024-27836-000	024-27836-000	024-27836-000
		460	1	024-27835-000	024-27835-000	024-27835-000	024-27835-000	024-27835-000
		575	1	024-30903-000	024-30903-000	024-30903-000	024-30903-000	024-30903-000

SEE FIGS. 10 & 11

60 HZ NEMA 4 UNITS (CONTINUED)

POWER PANEL COMPONENTS				
MISCELLANEOUS PARTS for 60Hz NEMA 4 PANELS (All Models)				
ITEM	DESCRIPTION	FIG.	QTY.	PART NO.
1	Enclosure and Door	10	1	371-01473-301
2	Contacting mounting rail	10	1	071-01290-303
3	Overload mounting rail	10	1	071-01290-304
4	Rail clamp	10	9	025-29189-000
5	Circuit Breaker, 10 amp, Single Pole	10	1	024-26946-000
6	Terminal Block	10	2	025-31444-000
7	Terminal Block	10	5	025-31443-000
8	Terminal Block	10	8	025-31442-000
9	Snap Bushing	10	1	025-10209-000
11	Marker, Terminal Block	10	0.4	025-31445-000
12	Marker, Terminal Block	10	2.6	025-31446-000
13	Label, Caution	10	1	035-09999-000
14*	Housing, Plug, 12 pin universal	11	1	025-21196-000
16	Nameplate (unstamped)	10	1	071-02092-000
17	Harness, Power Disconnect	11	1	571-02091-212
19	Lockwasher, Internal Tooth 3/8"	10	4	021-01155-000
20	Nut, Hex 3/8-16	10	4	021-00467-000
21	Screw, Tap Pan Head, #10-x 1/2"	10	22	021-13789-000
22	Label, Warning	10	1	035-11929-000
23	Screw, SEMS, #10-24 x 1/2"	10	4	021-17596-000
24	Nut, KEPS, 1/4-20	10	3	021-17269-000
25	Mounting Rail, Circuit Breaker	10	1	071-01473-303
26	Mounting Rail, Switch	10	1	071-01472-302
27	Label, Caution	10	1	035-05548-000
28	Jumper	11	1	025-31474-000
31	Label, Identification Input	10	1	035-09316-000
32	Grounding Strap	10	1	225-32812-001
33	Disconnect Switch	10	1	024-30981-000
34	Harness, Loose	11	1	571-02091-211
35	Harness, Main	10	1	571-02091-221
37	Grounding Strap	10	1	225-32812-002
38	Conduit Plug 1/2"	10	4	025-31400-000
39	Nut, 1/2"	10	4	021-18404-000
40	Label, Connection	10	1	035-14635-000
41	Label, Elementary	10	1	035-15156-000
42	Conduit Plug 3/4"	10	2	025-31401-000
43	Nut, 3/4"	10	2	021-18405-000

* Requires 9 pins, YORK Part Number 025-19673-000

50 HZ, 380/400 VOLT CE AND EUROPEAN COMPLIANCE UNITS

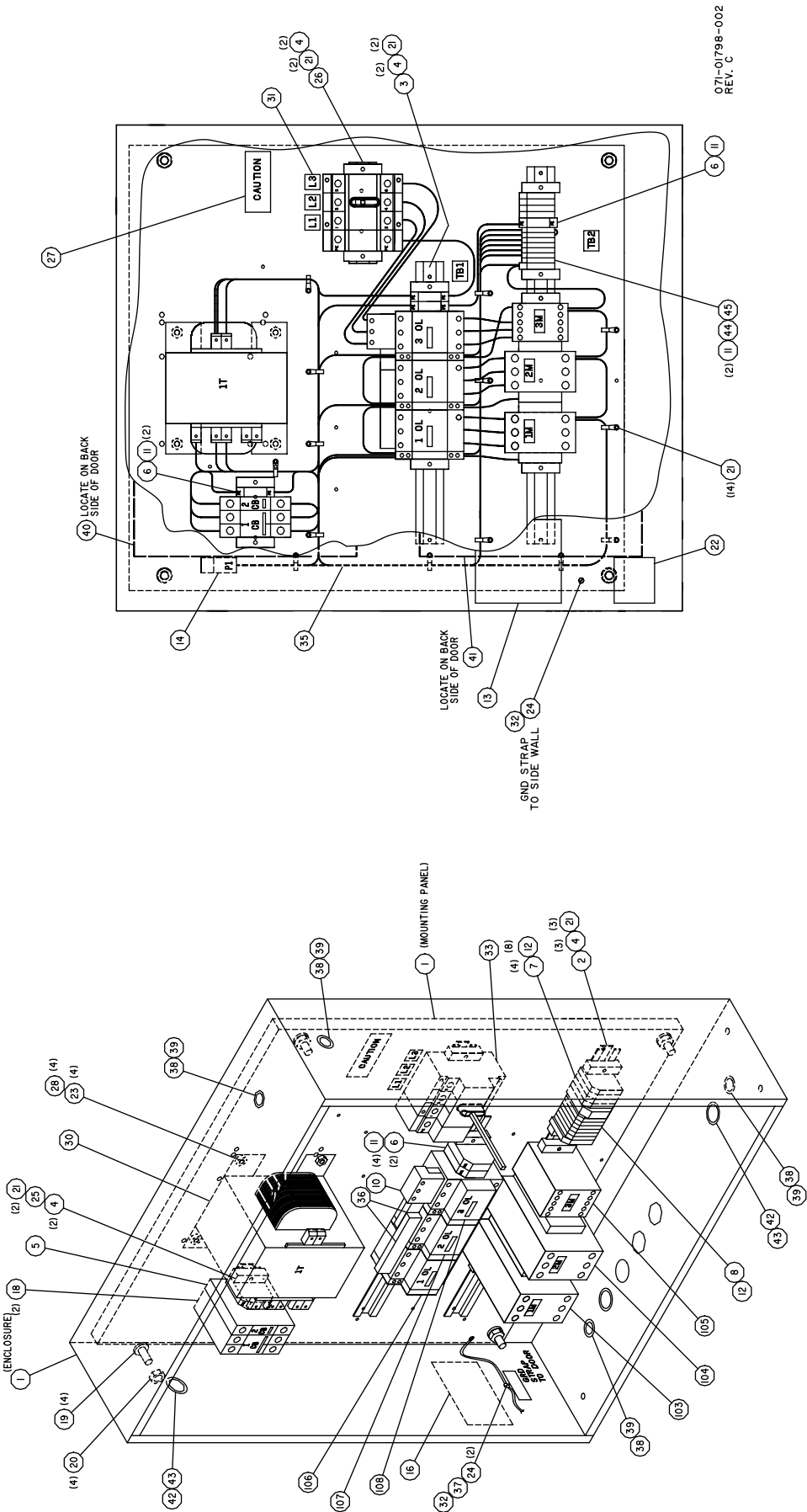


FIG. 12 – 50 HZ, 380/400 VOLT (CE AND EUROPEAN COMPLIANCE UNITS)

50 HZ, 380/400 VOLT CE AND EUROPEAN COMPLIANCE UNITS (CONT'D)

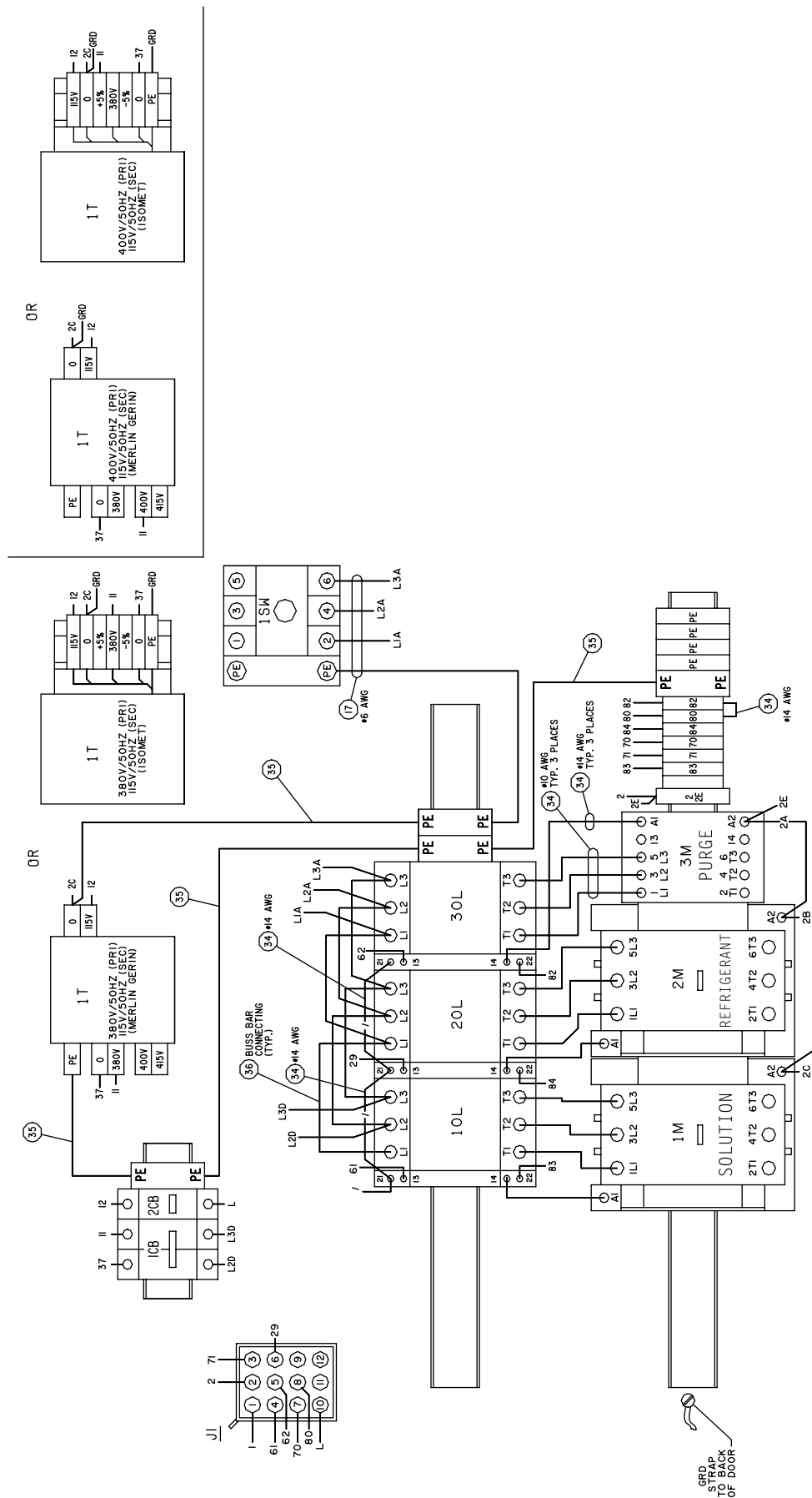


FIG. 13 – 50 HZ, 380/400 VOLT (CE AND EUROPEAN COMPLIANCE UNITS) (CONTINUED)

LD07579

50 HZ, 380/400 VOLT CE AND EUROPEAN COMPLIANCE UNITS (CONT'D)

POWER PANEL COMPONENTS – 50 Hz, 380/400 Volt PANELS (CE, European Compliance)							
DESCRIPTION	ITEM NO.	QTY.	MODELS (HOT WATER AND STEAM)				
			YIA-1A1 THRU YIA-3B2	YIA-3B3 THRU YIA-5C3	YIA-6C4 THRU YIA-8D3	YIA-8E1	YIA-9E2 THRU YIA-14F3
Transformer (1T)	30	1	025-31438-000	025-31438-000	025-31438-000	025-31438-000	025-31438-000
Contactor (1M) Solution Pump	103	1	024-25526-000	024-25526-000	024-25585-000	024-25585-000	024-25585-000
Contactor (2M) Refrigerant Pump	104	1	024-25526-000	024-25526-000	024-25526-000	024-25584-000	024-25585-000
Contactor (3M) Purge Pump	105	1	024-25521-000	024-25521-000	024-25521-000	024-25521-000	024-25521-000
Motor Protector (1OL) Solution Pump	106	1	024-27281-000	024-27268-000	024-27282-000	024-27282-000	024-27282-000
Motor Protector (2OL) Refrigerant Pump	107	1	024-27281-000	024-27281-000	024-27281-000	024-27268-000	024-27282-000
Motor Protector (3OL) Purge Pump	108	1	024-27278-000	024-27278-000	024-27278-000	024-27278-000	024-27278-000
Sw. Disconnect (1SW)	33	1	024-30981-000	024-30981-000	024-30981-000	024-30981-000	024-30981-000
Circuit Breaker (2CB)	5	1	024-26946-000	024-26946-000	024-26946-000	024-26946-000	024-26946-000
Circuit Breaker (1CB) 6 amp, 2 Pole	18	1	024-26945-000	024-26945-000	024-26945-000	024-26945-000	024-26945-000

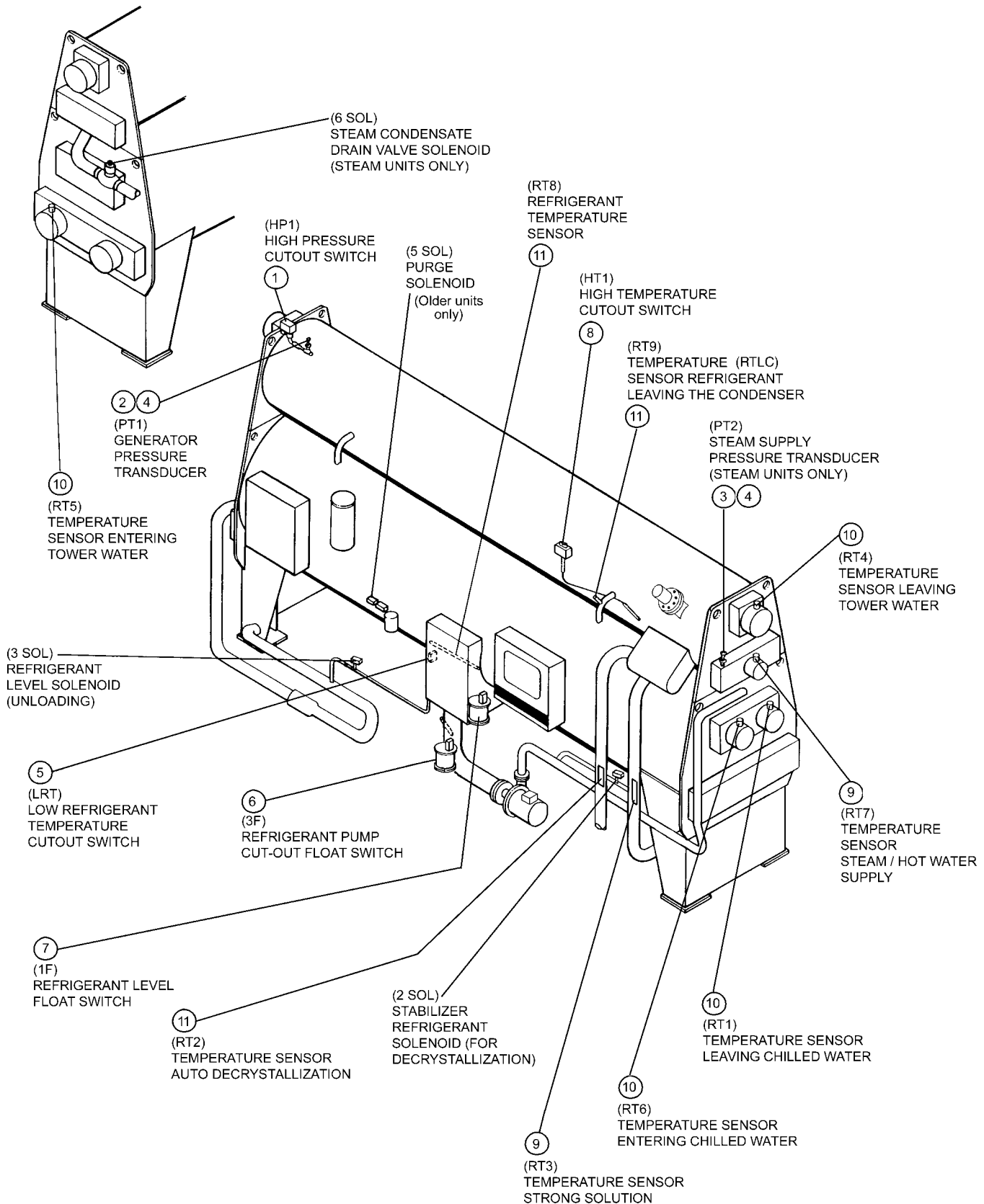
SEE FIGS. 12 & 13

50 HZ, 380/400 VOLT CE AND EUROPEAN COMPLIANCE UNITS (CONT'D)

POWER PANEL COMPONENTS				
MISCELLANEOUS PARTS for 50Hz, 380/400 Volt PANELS (CE, European Compliance) (All Models)				
ITEM	DESCRIPTION	FIG.	QTY.	PART NO.
1	Enclosure and Door	12	1	371-01473-301
2	Contactor mounting rail	12	1	071-01290-303
3	Overload mounting rail	12	1	071-01290-304
4	Rail clamp	12	9	025-29189-000
6	Terminal Block Ground	12	4	025-31444-000
7	Terminal Block	12	4	025-31443-000
8	Terminal Block	12	8	025-31442-000
10	Terminal Block , Wire	12	1	024-27269-000
11	Marker, Terminal Block	12	1	025-31445-000
12	Marker, Terminal Block	12	2.6	025-31446-000
13	Label, Caution	12	1	035-09999-000
14*	Housing, Plug, 12 pin universal (PI)	13	1	025-21196-000
16	Nameplate (unstamped)	12	1	071-01799-000
17	Harness, Power Disconnect	13	1	571-01473-213
19	Lockwasher, Internal Tooth 3/8"	12	4	021-01155-000
20	Nut, Hex 3/8-16	12	4	021-00467-000
21	Screw, Tap Pan Head, #10-x 1/2"	12	23	021-13789-000
22	Label, Warning	12	1	035-11929-000
23	Screw, #10-24 x 1/2"	12	4	021-17596-000
24	Nut, 1/4-20	12	3	021-17269-000
25	Mounting Rail, Circuit Breaker	12	1	071-01473-303
26	Mounting Rail, Switch	12	1	071-01472-302
27	Label, Caution	12	1	035-05548-000
28	Washer, Flat #10	12	4	021-05164-000
31	Label, Identification Input	12	1	035-09316-000
32	Grounding Strap	12	1	225-32812-001
34	Harness, Loose	13	1	571-01473-211
35	Harness, Main	12	1	571-01473-221
36	Bus Bar	12	2	024-27270-000
37	Grounding Strap	12	1	225-32812-002
38	Conduit Plug 1/2"	12	4	025-31400-000
39	Nut, 1/2"	12	4	021-18404-000
40	Label, Connection	12	1	035-14021-000
41	Label, Elementary	12	1	035-14020-000
42	Conduit Plug 3/4"	12	2	025-31401-000
43	Nut, 3/4"	12	2	021-18405-000
44	Terminal Block	12	1	025-31476-000
45	End Cover	12	1	025-28490-000
Not Shown	Housing, Plug Universal for Micropanel to Power Panel at Power Panel end	—	1	025-21192-000
	Male Pins For Above Housing	—	12	025-20919-000

* Requires 9 pin sockets, YORK Part Number 025-19673-000

SYSTEM CONTROL COMPONENT LOCATIONS



LD07580

FIG. 14 – SYSTEM CONTROL COMPONENT LOCATIONS

SYSTEM CONTROL COMPONENTS

SYSTEM CONTROL COMPONENTS – Located throughout Unit					
ITEM	DESCRIPTION	VOLTAGE CODE	QTY.	PART NUMBER	
				HOT WATER	STEAM
1	High Pressure Cutout switch (HP1) (calibrated to 710mm Hg Abs.)	ALL	1	224-25525-058	224-25525-058
2	Generator Pressure Transducer (PT1)	ALL	1	025-29907-001	025-29907-001
3	Steam Supply Pressure Transducer (PT2)	ALL	1	—	025-29148-001
4	Isolator, Vilter steady mount (for use with PT1 & PT2)	ALL	*	026-30229-000	026-30229-000
5	Low Refrigerant Temp. Cutout switch (LRT)	ALL	1	225-30495-000	225-30495-000
6	Refrigerant Pump Cutout Float switch (3F)	ALL	1	024R00130-000	024R00130-000
7	Refrigerant Level Float switch (1F)	ALL	1	024R00131-000	024R00131-000
8	High Temperature Cutout switch (HT1)	ALL	1	025-29995-000	025-29995-000
9	Temperature Sensor (50,000 Ohms) (strong solution temp. & steam/hot water supply temp)	ALL	2	025-30457-000	025-30457-000
10	Temperature Sensor (3,000 Ohms) (Lower temperature areas of unit)	ALL	4	025-29964-000	025-29964-000
11	Temperature Sensor (3,000 Ohms) with threaded connector	ALL	3	025-28935-000	025-28935-000
—	Thermal Heat Conductive Compound (For use with item 1, high temp. areas of unit)	ALL	1	013-03083-000	013-03083-000
—	Thermal Heat Conductive Compound (For use with item 2, low temp. areas of unit)	ALL	1	013-00898-000	013-00898-000
—	Suppressor	ALL	4	031-00808-000	031-00808-000
—	Varistor, Metal Oxide (used in Steam Valve Actuator)	ALL	2	031-01349-000	031-01349-000
—	Cable, 2-conductor gray cable with foil shield and drain wire 20 AWG - used for all unit thermistors	ALL	**	025-28701-002	025-28701-002
—	Cable, 3-conductor gray cable with foil shield and drain wire 20 AWG - used for all unit pressure transducers	ALL	**	025-28701-003	025-28701-003

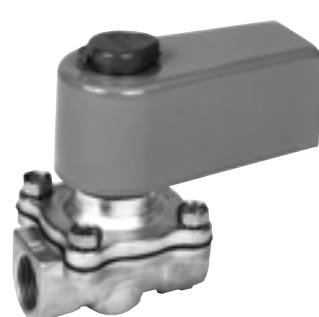
NOTES:

* Quantity varies as to type of unit. Steam Units require an additional Vilter at PT2.

** Order quantity is by the foot.

SEE FIG. 14

VALVES

VALVES					
TYPE	DESCRIPTION	PART NUMBER	ILLUSTRATION		
Butterfly Wafer Type	3 inch, pump isolation	022-09516-000	 27084A		
	4 inch, pump isolation	022-08877-000			
	6 inch, pump isolation	022-08878-000			
Butterfly Lug Type	3 inch	022-10035-000	 00402VIP		
	4 inch	022-10036-000			
	6 inch	022-10038-000			
Diaphragm	3/4 Inch Style A Weld Socket (purge lines)	022-02457-000	STYLE A  29471A	STYLE B  28731A	
	3/4 Inch replacement diaphragm for Style A valve	022-05125-000			
	3/4 inch Style B valve	022-02457-000			
	1/2 Inch Style B Weld SS Socket	022-08869-052			
	1/2 Inch Replacement Diaphragm	022-09126-000			
	1/2 Inch bonnet and handwheel assembly	022-09125-000			
	1/2 Inch NPTI Threaded Connections	022-02046-000			
	Replacement Bonnet assembly for above valve	022-08898-000			
	Stop Angle	1/4 inch NPTE x 1/4 inch NPTI (isolator valve for PT1 pressure transducer)	022-05089-000	 294370A	
2SOL Solenoid	Stabilizer Refrigerant Solenoid 1/2" (models 1A1-6C4)	025-17885-000	 29472A		
	Replacement Solenoid Coil for above valve	025-18581-000			
	Spare parts kit for above valve	025-18583-000			
	Stabilizer Refrigerant Solenoid 3/4" (models 7D1-14F3)	025-17886-000			
	Replacement Solenoid Coil for above valve	025-18582-000			
	Spare parts kit for above valve	025-18584-000			
3SOL Solenoid	Refrigerant Level Solenoid 1/2" (models 1A1-6C4)	025-17885-000			
	Replacement Solenoid Coil for above valve	025-18581-000			
	Spare parts kit for above valve	025-18583-000			
	Refrigerant Level Solenoid 3/4" (models 7D1-14F3)	025-17886-000			
	Replacement Solenoid Coil for above valve	025-18582-000			
	Spare parts kit for above valve	025-18584-000			

VALVES (CONTINUED)

VALVES (Cont'd)			
TYPE	DESCRIPTION	PART NUMBER	ILLUSTRATION
50 HZ 6SOL Solenoid	Steam Condensate Drain Solenoid 2" (models 1A1-4B4)	025-30458-000	 00100VIP
	NEMA 4 & 7, group C&D version of above solenoid	025R00210-000	
	Steam Condensate Drain Solenoid 3" (models 4C1-14F3)	025-30459-000	
	NEMA 4 & 7, group C&D version of above solenoid	025R00217-000	
NOTE: For the 6SOL - Steam condensate drain solenoid valve, no replacement solenoid coils or spare kits available.			
60 HZ 6SOL Solenoid	Steam Condensate Drain Solenoid 2" (models 1A -4B4)	025-30461-000	
	NEMA 4 & 7, group C & D version of above solenoid	025R00212-000	
	Steam Condensate Drain Solenoid 3" (models 4C1-14F3)	025-30462-000	
	NEMA 4 & 7, group C & D version of above solenoid	025R00193-000	
NOTE: For the 6SOL - Steam condensate drain solenoid valve, no replacement solenoid coils or spare kits available.			
Check	1/2 Inch Flapper (Swing type) (all units built after 1/1/99 will incorporate this valve)	022-09517-000	 28733A
Ball	1/2 Inch NPTI threaded connections (manometer isolation hand valve)	022-02558-000 (alternate P/N) 022-08885-005	 29469A
Sample	1/2 Inch Spindle Type Caps and Spindle Repair Kit	022-08869-001 028-12271-001	 00405VIP

VALVES (CONTINUED)

STEAM CONTROL VALVES AND ACTUATORS

STEAM CONTROL VALVES AND ACTUATORS			
TYPE	SIZE	COMPLETE VALVE P/N	REPLACEMENT ACTUATOR ONLY
Globe 2-Way	2-1/2"	022-09744-000	022-10615-000
	3"	022-09745-000	022-10615-000
	4"	022-09746-000	022-10616-000
	6"	022-09747-000	022-10617-000
Butterfly	4"	022-09134-000	022-10062-000
	6"	022-09135-000	022-10062-000
	8"	022-09136-000	022-10062-000

VALVES (CONTINUED)

HOT WATER CONTROL VALVES WITH ACTUATORS

HOT WATER CONTROL VALVES WITH ACTUATORS			
TYPE	SIZE	COMPLETE VALVE P/N	RATING
Globe 3-Way	40 mm	022-09527-000	
	50 mm	022-09528-000	
	65 mm	022-09529-000	
	80 mm	022-09530-000	
	100 mm	022-09531-000	
	150 mm	022-09533-000	
	150 mm	022-09534-000	
	200 mm	022-09535-000	
	1-1/2"	022-09717-000	125 PSIG
		022-09718-000	250 PSIG
		022-09719-000	300 PSIG
	2"	022-09720-000	125 PSIG
		022-09721-000	250 PSIG
		022-09722-000	300 PSIG
	2-1/2"	022-09723-000	125 PSIG
		022-09724-000	250 PSIG
		022-09725-000	300 PSIG
	3"	022-09726-000	125 PSIG
		022-09727-000	250 PSIG
		022-09728-000	300 PSIG
	4"	022-09729-000	125 PSIG
		022-09730-000	250 PSIG
		022-09731-000	300 PSIG
	6"	022-09732-000	125 PSIG
		022-09733-000	250 PSIG
		022-09734-000	300 PSIG
Globe 2-Way	1-1/2"	022-09763-000	125 PSIG
		022-09764-000	250 PSIG
		022-09765-000	300 PSIG
	2"	022-09766-000	125 PSIG
		022-09767-000	250 PSIG
		022-09768-000	300 PSIG
	2-1/2"	022-09744-000	125 PSIG
		022-09769-000	250 PSIG
		022-09770-000	300 PSIG
	3"	022-09745-000	125 PSIG
		022-09771-000	250 PSIG
		022-09772-000	300 PSIG
	4"	022-09746-000	125 PSIG
		022-09773-000	250 PSIG
		022-09774-000	300 PSIG
	6"	022-09747-000	125 PSIG
		022-09775-000	250 PSIG
		022-09776-000	300 PSIG

PUMPS

UNIT MODEL	PUMPS, COMPLETE ASSEMBLIES (MOTOR AND PUMP)					
	UNIT VOLTAGE 208/230/460-3-60 Hz		UNIT VOLTAGE 575-3-60 Hz		UNIT VOLTAGE 380/400/415-3-50 Hz	
	IN / OUT	PART NUMBER	IN / OUT	PART NUMBER	IN / OUT	PART NUMBER
SOLUTION PUMPS						
1A1	4 / 3	026-R00215-001	4 / 3	026-R00218-001	4 / 3	026-R00221-001
1A2	4 / 3	026-R00215-001	4 / 3	026-R00218-001	4 / 3	026-R00221-001
2A3	4 / 3	026-R00215-002	4 / 3	026-R00218-002	4 / 3	026-R00221-002
2A4	4 / 3	026-R00215-003	4 / 3	026-R00218-003	4 / 3	026-R00221-003
2B1	4 / 3	026-R00215-004	4 / 3	026-R00218-004	4 / 3	026-R00221-004
3B2	4 / 3	026-R00215-005	4 / 3	026-R00218-005	4 / 3	026-R00222-001
3B3	4 / 3	026-R00215-006	4 / 3	026-R00218-006	4 / 3	026-R00222-002
4B4	4 / 3	026-R00215-007	4 / 3	026-R00218-007	4 / 3	026-R00222-003
4C1	4 / 3	026-R00215-007	4 / 3	026-R00218-007	4 / 3	026-R00222-003
5C2	4 / 3	026-R00216-001	4 / 3	026-R00219-001	4 / 3	026-R00222-004
5C3	4 / 3	026-R00216-002	4 / 3	026-R00219-002	4 / 3	026-R00222-005
6C4	4 / 3	026-R00216-002	4 / 3	026-R00219-002	6 / 4	026-R00223-001
7D1	4 / 3	026-R00216-003	4 / 3	026-R00219-003	6 / 4	026-R00223-002
7D2	6 / 4	026-R00217-001	6 / 4	026-R00220-001	6 / 4	026-R00223-003
8D3	6 / 4	026-R00217-002	6 / 4	026-R00220-002	6 / 4	026-R00223-001
8E1	6 / 4	026-R00217-003	6 / 4	026-R00220-003	6 / 4	026-R00223-004
9E2	6 / 4	026-R00217-004	6 / 4	026-R00220-004	6 / 4	026-R00223-001
10E3	6 / 4	026-R00217-005	6 / 4	026-R00220-005	6 / 4	026-R00223-005
12F1	6 / 4	026-R00217-006	6 / 4	026-R00220-006	6 / 4	026-R00223-010
13F2	6 / 4	026-R00217-007	6 / 4	026-R00220-007	6 / 4	026-R00223-010
14F3	6 / 4	026-R00217-008	6 / 4	026-R00220-008	6 / 4	026-R00223-011
REFRIGERANT PUMPS						
1A1	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
1A2	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
2A3	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
2A4	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
2B1	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
3B2	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
3B3	4 / 3	026-R00215-009	4 / 3	026-R00218-009	4 / 3	026-R00221-006
4B4	4 / 3	026-R00215-009	4 / 3	026-R00218-009	4 / 3	026-R00221-006
4C1	4 / 3	026-R00215-009	4 / 3	026-R00218-009	4 / 3	026-R00221-006
5C2	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
5C3	4 / 3	026-R00215-008	4 / 3	026-R00218-008	4 / 3	026-R00221-005
6C4	4 / 3	026-R00215-010	4 / 3	026-R00218-010	4 / 3	026-R00221-006
7D1	4 / 3	026-R00215-011	4 / 3	026-R00218-011	4 / 3	026-R00222-006
7D2	4 / 3	026-R00216-004	4 / 3	026-R00219-004	4 / 3	026-R00222-006
8D3	4 / 3	026-R00216-005	4 / 3	026-R00219-005	4 / 3	026-R00222-006
8E1	4 / 3	026-R00216-005	4 / 3	026-R00219-005	4 / 3	026-R00222-007
9E2	4 / 3	026-R00216-006	4 / 3	026-R00219-006	6 / 4	026-R00223-006
10E3	6 / 4	026-R00217-009	6 / 4	026-R00220-009	6 / 4	026-R00223-007
12F1	6 / 4	026-R00217-009	6 / 4	026-R00220-009	6 / 4	026-R00223-008
13F2	6 / 4	025-R00217-009	6 / 4	026-R00220-009	6 / 4	026-R00223-008
14F3	6 / 4	026-R00217-010	6 / 4	026-R00220-010	6 / 4	026-R00223-009

Please refer to Notes on the following page.

PUMPS (CONTINUED)

NOTES:

1. Complete pump assemblies are not stocked at the Baltimore Parts Center. Only the Kits will be stocked.
2. All complete pump assemblies can be ordered as a special item through the Baltimore Parts Center.

COMPLETE YORK MODEL 1402 VACUUM PUMP (5.6 CFM) (See Note 3 below)

UNIT MODEL	VOLTAGE	APPLICATION	YORK PART NUMBER
ALL ISOFLOW UNITS	208/230/460-3-60	STANDARD	026-32305-000 or 026R00249-000
	575-3-60	STANDARD	026R00250-000
	380/400/415-3-50	STANDARD	026-32377-000 or 026R00252-000
	208-230/460-3-60	TEFC	026-32842-000

YORK VACUUM PUMP GASKET AND SEAL KIT
 (FOR YORK VACUUM PUMP MODEL 1402 ONLY)

KIT CONTENTS	
DESCRIPTION	QTY.
SEAL KIT	1
PUMP OIL	1 GALLON
GASKETS	1 EACH
ALUMINUM WASHER	1
STEEL CASE OIL SEAL	1
O-RING TENSION WASHER	2
RUBBER WASHER	2
SEAL COVER GASKET	1

YORK Part Number 026-32388-000
 (order Major Repair Manual before doing any repairs).

NOTES:

1. All the above vacuum pumps operate at 1725 rpm at 208/230/460-3-60 Hz and 1425 rpm at 380-3-50 Hz except pump in Note 6.
2. Beginning in 1999, all IsoFlow chillers shipped will include a YORK Model 1402 pump.
3. Parts included with the YORK pump are as follows:

ITEM	COMMENTS
Pump oil, 1 quart	Three (3) quarts shipped with pump
Owners manual	Model 1402 only
Adaptor fitting	For discharge port
Drive Belt	Installed on pump

The discharge port adaptor fitting is a special item with 1-20" male machine threads on one end and 3/4" NPTE threads on the other end, overall length 2-1/4".

4. A YORK vacuum pump gasket and seal kit is available for the 1402 pump model, YORK p/n 026-32388-000.
5. Also available is a discharge pipe dust cap.
6. 575/3/60 applications only.

PUMPS (CONTINUED)

MISCELLANEOUS VACUUM PUMP PARTS

PUMP MODEL NO. 1402			
V-Belt	028-14424-000	1405A	For use with p/n's 026-32305-000, 026R00249-000 & 026-32842-000
V-Belt	028-14425-000	41-0713	For use with p/n 026-32377-000
Motor Pulley		41-0668	For use with p/n's 026-32305-000 and 026R00249-000
Pump Pulley		41-2074	For use with p/n's 026-32305-000 and 026R00249-000
Belt-Guard Replacement Kit		1471G-01	For use with p/n's 026-32305-000 and 026R00249-000
Base		61-8717	For use with p/n's 026-32305-000 and 026R00249-000
Motor		61-8715	For use with p/n 026-33637-000
Motor		41-1904	For use with p/n 026-32305-000
Pump Oil	011-00524-004	1407K-15	1 gallon of Oil
Owners Manual		67-0696	Models 1400 and 1402
Discharge Port Adaptor Fitting		61-8492A	1"-20 male MACHINE thds. X 3/4"-NPTE x 2-1/4" lg.
Discharge Pipe Dust Cap		41-0612	1"-20 machine thds.

Please refer to Notes on the previous page.

PUMPS (CONTINUED)

PUMP REPAIR KITS

Except for the casing gasket, parts for repairing YORK internally-cooled pumps are available through the Baltimore Parts Distribution Center only in a kit format. The contents of each kit is listed below, and are intended to handle a majority of pump failures. Select the kit which will best handle the pump failure.

These kits are not compatible with and cannot be used on old style pump repairs.

NEW STYLE PUMP REPAIR KIT CONTENTS							
PUMP REPAIR KIT		MOTOR BEARING REPAIR KIT		NEW MOTOR WITH PUMP REPAIR KIT		CASING GASKETS	
ITEM #	PART	ITEM #	PART	ITEM #	PART	ITEM #	PART
9	Casing Wear Ring	9	Casing Wear Ring	9	Casing Wear Ring	65	Casing Gasket Kit ¹
10	Motor Side Wearing Ring	10	Motor Side Wearing Ring	10	Motor Side Wearing Ring		
15A	Impeller Locking Screw	15A	Impeller Locking Screw	15A	Impeller Locking Screw		
16	Impeller Locking Washer	16	Impeller Locking Washer	16	Impeller Locking Washer		
17	Feather Key, Impeller	17	Feather Key, Impeller	17	Feather Key, Impeller		
65	Casing Gasket Kit ¹	65	Casing Gasket Kit ¹	65	Casing Gasket Kit ¹		
		210A	Bearing	201	Multi Voltage Motor		
		210	Bearing (Front End)				

NOTES:

1. Includes an "O" ring and a flat gasket, use appropriate type as that of original gasket.
2. New style pumps require one motor bearing kit and one pump repair kit per pump every 50,000 operating hours.

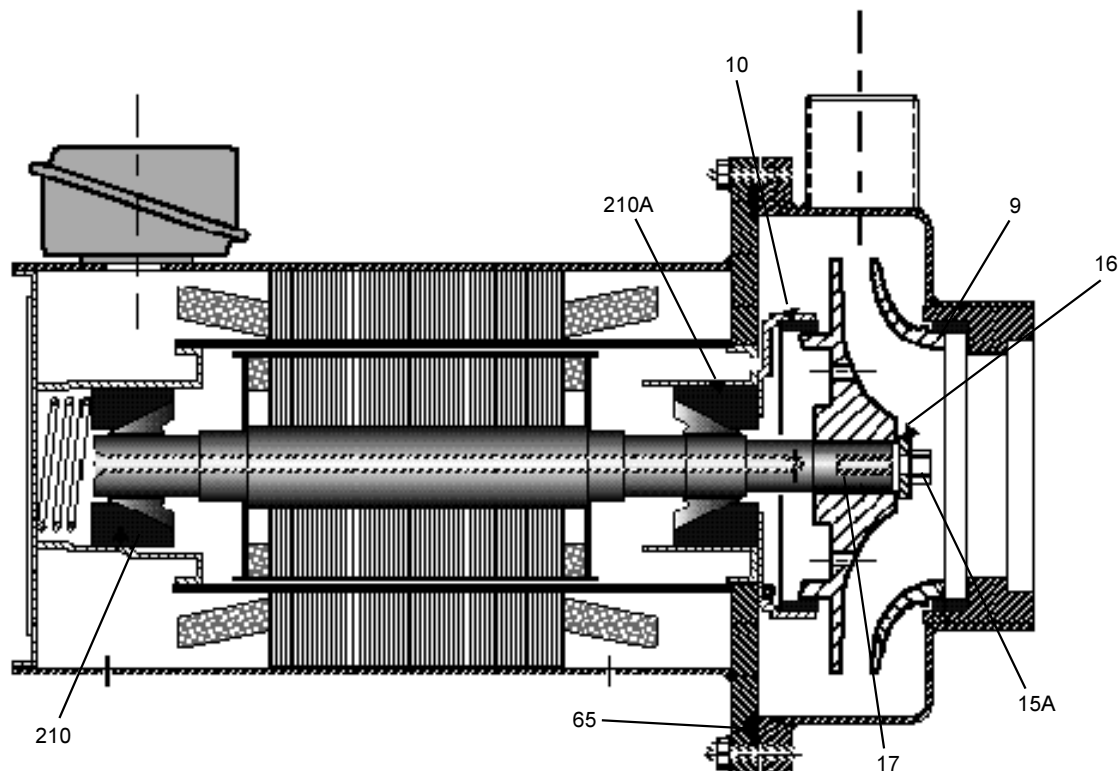
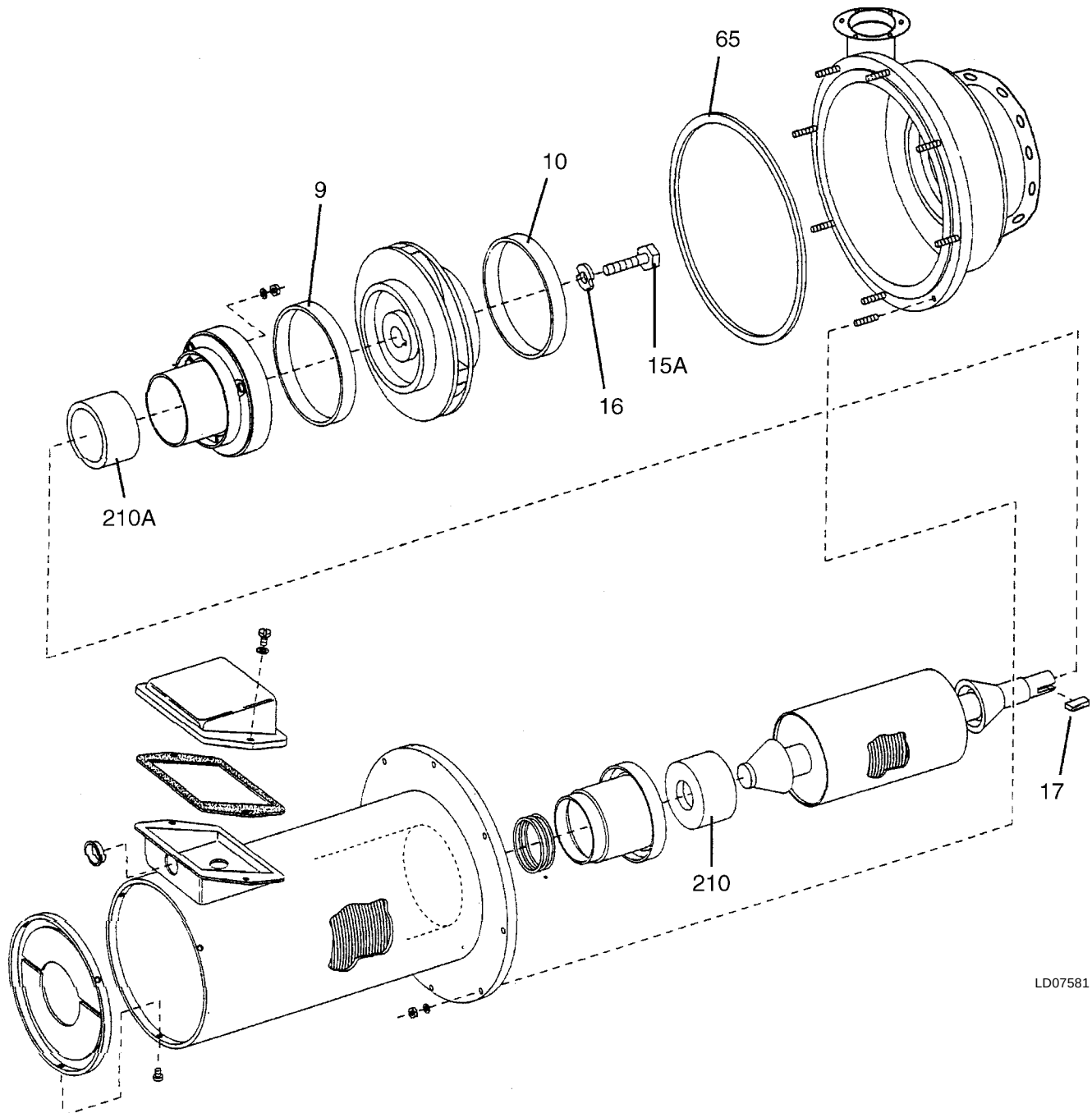


FIG. 15 – NEW STYLE PUMP CROSS-SECTION

LD04154

PUMPS (CONTINUED)

LD07581

FIG. 16 – SINGLE-ENDED EXPLODED VIEW

NEW STYLE PUMP REPAIR KITS

NEW STYLE PUMP REPAIR KITS for 208/230/460-3-60 Hz UNITS				
UNIT MODEL/ TYPE PUMP	PUMP REPAIR KIT	MOTOR BEARING REPAIR KIT	NEW MOTOR with PUMP REPAIR KIT	CASING GASKET
1A1 - SOL.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
1A1 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
1A2 - SOL.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
1A2 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
2A3 - SOL.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
2A3 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
2A4 - SOL.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
2A4 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
2B1 - SOL.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
2B1 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
3B2 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
3B2 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
3B3 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
3B3 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
4B4 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
4B4 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
4C1 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
4C1 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
5C2 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
5C2 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
5C3 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
5C3 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
6C4 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
6C4 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
7D1 - SOL.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
7D1 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
7D2 - SOL.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
7D2 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
8D3 - SOL.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
8D3 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
8E1 - SOL.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
8E1 - REF.	026-35048-000	026-35050-000	026-35052-000	028-13827-000
9E2 - SOL.	026-35058-000	026-35059-000	026-35061-000	028-13828-000
9E2 - REF.	026-35049-000	026-35051-000	026-35054-000	028-13827-000
10E3 - SOL.	026-35058-000	026-35059-000	026-35061-000	028-13828-000
10E3 - REF.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
12F1 - SOL.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
12F1 - REF.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
13F2 - SOL.	026-35058-000	026-35059-000	026-35061-000	028-13828-000
13F2 - REF.	026-35058-000	026-35059-000	026-35060-000	028-13828-000
14F3 - SOL.	026-35058-000	026-35059-000	026-35061-000	028-13828-000
14F3 - REF.	026-35058-000	026-35059-000	026-35060-000	028-13828-000

NEW STYLE PUMP REPAIR KITS (CONTINUED)

NEW STYLE PUMP REPAIR KITS for 575-3-60 Hz UNITS				
UNIT MODEL/ TYPE PUMP	PUMP REPAIR KIT	MOTOR BEARING REPAIR KIT	NEW MOTOR with PUMP REPAIR KIT	CASING GASKET
1A1 - SOL.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
1A1 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
1A2 - SOL.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
1A2 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
2A3 - SOL.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
2A3 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
2A4 - SOL.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
2A4 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
2B1 - SOL.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
2B1 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
3B2 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
3B2 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
3B3 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
3B3 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
4B4 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
4B4 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
4C1 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
4C1 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
5C2 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
5C2 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
5C3 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
5C3 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
6C4 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
6C4 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
7D1 - SOL.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
7D1 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
7D2 - SOL.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
7D2 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
8D3 - SOL.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
8D3 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
8E1 - SOL.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
8E1 - REF.	026-35048-000	026-35050-000	026-35056-000	028-13827-000
9E2 - SOL.	026-35058-000	026-35059-000	026-35064-000	028-13828-000
9E2 - REF.	026-35049-000	026-35051-000	026-35057-000	028-13827-000
10E3 - SOL.	026-35058-000	026-35059-000	026-35064-000	028-13828-000
10E3 - REF.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
12F1 - SOL.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
12F1 - REF.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
13F2 - SOL.	026-35058-000	026-35059-000	026-35064-000	028-13828-000
13F2 - REF.	026-35058-000	026-35059-000	026-35062-000	028-13828-000
14F3 - SOL.	026-35058-000	026-35059-000	026-35064-000	028-13828-000
14F3 - REF.	026-35058-000	026-35059-000	026-35062-000	028-13828-000

NEW STYLE PUMP REPAIR KITS (CONTINUED)

NEW STYLE PUMP REPAIR KITS for 380/400/415-3-50 Hz UNITS				
UNIT MODEL/ TYPE PUMP	PUMP REPAIR KIT	MOTOR BEARING REPAIR KIT	NEW MOTOR with PUMP REPAIR KIT	CASING GASKET
1A1 - SOL.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
1A1 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
1A2 - SOL.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
1A2 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
2A3 - SOL.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
2A3 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
2A4 - SOL.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
2A4 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
2B1 - SOL.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
2B1 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
3B2 - SOL.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
3B2 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
3B3 - SOL.	026-35049-000	026-35051-000	026-35055-000	028-13827-000
3B3 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
4B4 - SOL.	026-35049-000	026-35051-000	026-35055-000	028-13827-000
4B4 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
4C1 - SOL.	026-35049-000	026-35051-000	026-35055-000	028-13827-000
4C1 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
5C2 - SOL.	026-35049-000	026-35051-000	026-35055-000	028-13827-000
5C2 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
5C3 - SOL.	026-35049-000	026-35051-000	026-35055-000	028-13827-000
5C3 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
6C4 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
6C4 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
7D1 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
7D1 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
7D2 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
7D2 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
8D3 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
8D3 - REF.	026-35048-000	026-35050-000	026-35053-000	028-13827-000
8E1 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
8E1 - REF.	026-35049-000	026-35051-000	026-35055-000	028-13827-000
9E2 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
9E2 - REF.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
10E3 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
10E3 - REF.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
12F1 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
12F1 - REF.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
13F2 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
13F2 - REF.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
14F3 - SOL.	026-35058-000	026-35059-000	026-35063-000	028-13828-000
14F3 - REF.	026-35058-000	026-35059-000	026-35063-000	028-13828-000

RUPTURE DISKS

YIA MODEL NUMBER	RUPTURE DISK SIZE	RUPTURE DISK* PART NUMBER	RUPTURE DISK HOLDER PART NUMBER
1A1	1-1/2"	026-37940-000	026-37941-000
1A2	1-1/2"		
2A3	1-1/2"		
2A4	1-1/2"		
2B1	1-1/2"		
3B2	1-1/2"		
3B3	1-1/2"		
4B4	1-1/2"		
4C1	2"	026-37942-000	026-37943-000
5C2	2"		
5C3	2"		
6C4	2"		
7D1	2"		
7D2	2"		
8D3	2"		
8E1	2"		
9E2	2"		
10E3	2"		
12F1	3"	026-37944-000	026-37945-000
13F2	3"		
14F3	3"		
All Hot Water	4"	026-10433-000**	N/A

NOTES:

* Rupture Disks are metallic and can be used on both hot water and steam units.

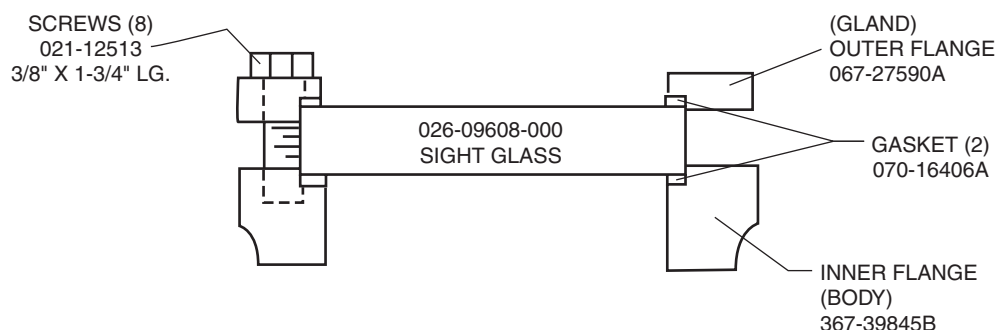
** Rupture Disk is carbon and includes two neoprene gaskets. Gaskets cannot be purchased separately.

MISCELLANEOUS COMPONENTS

MISCELLANEOUS COMPONENTS	
ITEM DESCRIPTION	PART NUMBER
Sight Glass, absorber, 4" (See. Fig. 17)	026-09608-000
Sight Plug, evaporator end sheet, 1-1/2" (2 per unit)	026-18931-000
Absolute pressure gauge, glass mercury-filled U-tube manometer, 5" std. cm/mm, gauge range 0 - 127 mm	026-09261-000
Absolute pressure gauge, dial type (non-mercury), gauge range 0 to 40 mm	026-32396-000
Gauge, compound, 4" dial type range -760mm Hg. Abs. to 15 psig	026-34443-000
Gauge, compound, 3-1/2" dial type range 30" Hg Abs. to 300 psig	026-03952-000
Siphon (used in conjunction with above compound gauge)	026-28384-000
Flow switch for use with 150# DWP water boxes1	024-26116-000
Flow switch for use with 300# DWP water boxes 1	024-12144-000
Control, differential pressure switch	025-30919-000
Purge drum assembly (fits all models)	075R01912B000
Tubing, vacuum pump suction connection, clear wire reinforced, 3/4" ID x 1.024 OD	028-13535-000
Tubing, manometer connection and vacuum sample flask, clear, 1/4" ID x 5/8" OD	028-12514-000
Tubing, bubble leak check, clear, 1/4" ID x 3/8" OD (not for vacuum purposes)	028-10605-000
Hose Clamp, SST, range 1-1/16" to 2" dia.	021-12930-000
Tee, 1/2 inch NPTI threaded, carbon steel (for auxiliary purge connection at manometer)	023-11329-000
Isolation Pads for models 1A1 thru 2A4	366-29813-000
Isolation Pads for models 2B1 thru 4B4	367-67606-000
Isolation Pads for models 4C1 thru 6C4	367-67607-000
Isolation Pads for models 7D1 thru 8D3	367-67608-000
Isolation Pads for models 8E1 thru 10E3	367-78184-000
Isolation Pads for models 12F1 thru 14F3	366-06736-000
Solenoid valve, 1/2 NPTI, explosion proof Class 1, Div. 1, Group B	025R00117-000
Solenoid valve, 3/4 NPTI, explosion proof, Class 1, Div. 1, Group B	025R00118-000
Solenoid valve, 3/4 NPTI, explosion proof, normally closed, Class 1, Div. 1, Group B	025R00119-000
Thermowell, for entering steam/hot water supply temp.	026R00228A000
Thermowell, for absorber, evaporator, & condenser nozzles	026-32328-000
Spindle Valve Adapter	922-08869-001
3F Refrigerant Pump Cutout Switch Enclosure	375R00229-000

NOTES:

- Flow switch can be used for either evaporator or condenser water loops.
- Please note, the Smart Purge Retrofit Kit offered on ParaFlow chillers cannot be installed on IsoFlow chillers due to the IsoFlow unit purge configuration.



LD07582

FIG. 17 – ASSEMBLY OF 4" ABSORBER SIGHT GLASS

TUBES

ISOFLOW ABSORPTION CHILLER TUBES											
Chiller Model	Length (in.)	Standard Temperature Generator Tubes for Design Level "A" Units							High Temperature Generator Tubes for Design Level "A" Units		
		Nom. O.D. (In.)	Wall Nom. Thk (In.)	Qty.	Type	No. Skips	Part No. (95/5 CuNi) Std. Tubes	Part No. (90/10 CuNi)	No. Skips	Part No. (95/5 CuNi)	Part No. (90/10 CuNi)
1A1	120-1/8	3/4	.035	64	19 fpi	2	007-06891-000	007R00078-000	4	007R00115B000	007R00180-000
1A2	144-1/8	3/4	.035	64	19 fpi	2	007-06273-000	007-04790-000	5	007R00114B000	007R00176-000
2A3	168-1/8	3/4	.035	64	19 fpi	2	007-06274-000	007-04791-000	6	007R00113B000	007R00149-000
2A4	192-1/8	3/4	.035	64	19 fpi	3	007-06275-000	007-05036-000	7	007R00112B000	007R00181-000
2B1	168-1/8	3/4	.035	85	19 fpi	2	007-06274-000	007-04791-000	6	007R00113B000	007R00149-000
3B2	192-1/8	3/4	.035	85	19 fpi	3	007-06275-000	007-05036-000	7	007R00112B000	007R00181-000
3B3	216-1/8	3/4	.035	85	19 fpi	3	007-06276-000	007-05118-000	8	007R00109B000	007R00182-000
4B4	240-1/8	3/4	.035	85	19 fpi	4	007-06277-000	007-04792-000	9	007R00108B000	007R00183-000
4C1	192-1/8	3/4	.035	121	19 fpi	3	007-06275-000	007-05036-000	7	007R00112B000	007R00181-000
5C2	216-1/8	3/4	.035	121	19 fpi	3	007-06276-000	007-05118-000	8	007R00109B000	007R00182-000
5C3	240-1/8	3/4	.035	121	19 fpi	4	007-06277-000	007-04792-000	9	007R00108B000	007R00183-000
6C4	270-1/8	3/4	.035	121	19 fpi	4	007-06245-000	007-05181-000	10	007R00104B000	007R00184-000
7D1	216-1/8	3/4	.035	166	19 fpi	3	007-06276-000	007-05118-000	7	007R00103B000	007R00148-000
7D2	240-1/8	3/4	.035	166	19 fpi	4	007-06277-000	007-04792-000	8	007R00102B000	007R00117-000
8D3	270-1/8	3/4	.035	166	19 fpi	4	007-06245-000	007-05181-000	10	007R00104B000	007R00184-000
8E1	240-1/8	3/4	.035	224	19 fpi	4	007-06277-000	007-04792-000	8	007R00102B000	007R00117-000
9E2	270-1/8	3/4	.035	224	19 fpi	4	007-06245-000	007-05181-000	9	007R00099B000	007R00185-000
10E3	300-1/8	3/4	.035	224	19 fpi	5	007-06278-000	007-05673-000	10	007R00098B000	007R00186-000
12F1	270-1/8	3/4	.035	300	19 fpi	4	007-06245-000	007-05181-000	8	007R00097B000	007R00187-000
13F2	300-1/8	3/4	.035	300	19 fpi	5	007-06278-000	007-05673-000	10	007R00098B000	007R00186-000
14F3	330-1/8	3/4	.035	300	19 fpi	6	007-06375-000	007R00077-000	11	007R00095B000	007R00179-000

NOTES:

1. See unit nameplate and nomenclature section of this document to determine design level of unit.
2. Above tube part numbers are also applicable for "ES" machines.
3. Do not use the above generator tubes on Design Level "B" machines (Units built after February 1998).
4. Generator tubes are the only tubes that are rolled at the supports.
5. If replacing tubes in the generator, it is also highly recommended to replace the supports.
6. End sheet hole tolerance for .750 O.D. tubes = .760" to .765"
7. Standard temp. generator tubes can handle temperatures to 285°F steam inlet temperature and 240°F for hot water inlet temp.
High temperature design generator can handle inlet temperatures to 337°F for steam and 266°F for hot water.

ISOFLOW ABSORPTION CHILLER TUBES

Condenser Tubes

Nom. O.D. (in)	No. Skips	Qty.	Type	Part No. (Copper, .028") C-122	Part No. (95/5 CuNi, .028")	Part No. (91/10 CuNi, .028")	Part No. (90/10 CuNi, .035")	Part No. STD / Cu 0.028" P/CASCO TUV 300#
3/4	2	49	Bare	007R00258 000	007R00151-000	007-06281-000	007-06077-000	007-06256-000
3/4	2	49	Bare	007R00259 000	007R00152-000	007-06282-000	007-05034-000	007-06257-000
1	2	37	Bare	007R00267 000	007R00153-000	007-06290-000	007-06080-000	007-06250-000
1	3	37	Bare	007R00268 000	007-08406-000	007-06291-000	007-06081-000	007-06251-000
3/4	2	72	Bare	007R00260 000	007R00154-000	007-06283-000	007-05039-000	007-06258-000
1	3	54	Bare	007R00261 000	007-08406-000	007-06291-000	007-06081-000	007-06251-000
1	3	54	Bare	007R00269 000	007R00155-000	007-06292-000	007-06082-000	007-06252-000
1	4	54	Bare	007R00270 000	007R00156-000	007-06293-000	007-06083-000	007-06253-000
3/4	3	111	Bare	007R00261 000	007-08405-000	007-06284-000	007-05057-000	007-06259-000
1	3	83	Bare	007R00269 000	007R00155-000	007-06292-000	007-06082-000	007-06252-000
1	4	83	Bare	007R00270 000	007R00156-000	007-06293-000	007-06083-000	007-06253-000
1	4	83	Bare	007R00271 000	007-08418-000	007-06294-000	007-06084-000	007-06244-000
1	3	114	Bare	007R00269 000	007R00155-000	007-06292-000	007-06082-000	007R00274 000
1	4	114	Bare	007R00270 000	007R00156-000	007-06293-000	007-06083-000	007R00275 000
1	4	114	Bare	007R00271 000	007-08418-000	007-06294-000	007-06084-000	007R00276 000
1	4	162	Bare	007R00270 000	007R00156-000	007-06293-000	007-06083-000	007R00277 000
1	4	162	Bare	007R00271 000	007-08418-000	007-06294-000	007-06084-000	007R00278 000
1	5	162	Bare	007R00272 000	007R00157-000	007-06295-000	007-06085-000	007R00279 000
1	4	212	Bare	007R00271 000	007-08418-000	007-06294-000	007-06084-000	007R00280 000
1	5	212	Bare	007R00272 000	007R00157-000	007-06295-000	007-06085-000	007R00281 000
1	5	212	Bare	007R00273 000	007R00158-000	007-06296-000	007-06086-000	007R00282 000

TUBES (CONTINUED)

ISOFLOW ABSORPTION CHILLER TUBES									
Chiller Model	Length (in)	Nom. O.D. (in)	Absorber Tubes						
			Qty.	Type	No. Skips	Part No. (Cu, .028") C-122	Part No. (95/5 CuNi, .028")	Part No. (90/10 CuNi, .028)	Part No. (90/10 CuNi, .035")
1A1	120-1/8	3/4	164	Bare	2	007R00258 000	007R00151-000	007-06281-000	007-06077-000
1A2	144-1/8	3/4	164	Bare	2	007R00259 000	007R00152-000	007-06282-000	007-05034-000
2A3	168-1/8	3/4	164	Bare	2	007R00260 000	007R00154-000	007-06283-000	007-05039-000
2A4	192-1/8	3/4	164	Bare	3	007R00261 000	007-08405-000	007-06284-000	007-05057-000
2B1	168-1/8	3/4	225	Bare	2	007R00260 000	007R00154-000	007-06283-000	007-05039-000
3B2	192-1/8	3/4	225	Bare	3	007R00261 000	007-08405-000	007-06284-000	007-05057-000
3B3	216-1/8	3/4	225	Bare	3	007R00262 000	007R00147-000	007-06285-000	007-05056-000
4B4	240-1/8	3/4	225	Bare	4	007R00263 000	007-08421-000	007-06286-000	007-05058-000
4C1	192-1/8	3/4	323	Bare	3	007R00261 000	007-08405-000	007-06284-000	007-05057-000
5C2	216-1/8	3/4	323	Bare	3	007R00262 000	007R00147-000	007-06285-000	007-05056-000
5C3	240-1/8	3/4	323	Bare	4	007R00263 000	007-08421-000	007-06286-000	007-05058-000
6C4	270-1/8	3/4	323	Bare	4	007R00264 000	007-08419-000	007-06287-000	007-05129-000
7D1	216-1/8	3/4	441	Bare	3	007R00262 000	007R00147-000	007-06285-000	007-05056-000
7D2	240-1/8	3/4	441	Bare	4	007R00263 000	007-08421-000	007-06286-000	007-05058-000
8D3	270-1/8	3/4	441	Bare	4	007R00264 000	007-08419-000	007-06287-000	007-05129-000
8E1	240-1/8	3/4	571	Bare	4	007R00263 000	007-08421-000	007-06286-000	007-05058-000
9E2	270-1/8	3/4	571	Bare	4	007R00264 000	007-08419-000	007-06287-000	007-05129-000
10E3	300-1/8	3/4	571	Bare	5	007R00265 000	007R00159-000	007-06288-000	007-05676-000
12F1	270-1/8	3/4	731	Bare	4	007R00264 000	007-08419-000	007-06287-000	007-05129-000
13F2	300-1/8	3/4	731	Bare	5	007R00265 000	007R00159-000	007-06288-000	007-05676-000
14F3	330-1/8	3/4	731	Bare	5	007R00266 000	007R00070-000	007-06289-000	007R00119-000

NOTES:

1. All copper tubes are copper are material C-122.
2. Above tube part numbers are applicable for IsoFlow Design Level "A", "B", and "ES" machines. Consult unit nameplate and nomenclature section of this document to determine unit design level.

ISOFLOW ABSORPTION CHILLER TUBES (Cont'd)

Evaporator Tubes

Qty.	Type	No. Supports	Part No. (Copper, .028")	Part No. (95/5 CuNi, .028")	Part No. (90/10 CuNi, .028")	Part No. (90/10 CuNi, .035")
160	Cont. 19 fpi	2	007-06264-000	007R00160-000	007R00165-000	007R00173-000
160	Cont. 19 fpi	2	007-06265-000	007R00161-000	007R00166-000	007R00076-000
160	Cont. 19 fpi	2	007-06266-000	007R00162-000	007R00167-000	007R00174-000
160	Cont. 19 fpi	3	007-06267-000	007-08407-000	007R00072-000	007R00175-000
216	Cont. 19 fpi	2	007-06266-000	007R00162-000	007R00167-000	007R00174-000
216	Cont. 19 fpi	3	007-06267-000	007-08407-000	007R00072-000	007R00175-000
216	Cont. 19 fpi	3	007-06268-000	007-00163-000	007R00168-000	007R00150-000
216	Cont. 19 fpi	4	007-06269-000	007-08420-000	007R00169-000	007R00125-000
312	Cont. 19 fpi	3	007-06267-000	007-08407-000	007R00072-000	007R00175-000
312	Cont. 19 fpi	3	007-06268-000	007R00163-000	007R00168-000	007R00150-000
312	Cont. 19 fpi	4	007-06269-000	007-08420-000	007R00169-000	007R00125-000
312	Cont. 19 fpi	4	007-06247-000	007-08417-000	007R00170-000	007R00062-000
429	Cont. 19 fpi	3	007-06268-000	007R00163-000	007R00168-000	007R00150-000
429	Cont. 19 fpi	4	007-06269-000	007-08420-000	007R00169-000	007R00125-000
429	Cont. 19 fpi	4	007-06247-000	007-08417-000	007R00170-000	007R00062-000
552	Cont. 19 fpi	4	007-06269-000	007-08420-000	007R00169-000	007R00125-000
552	Cont. 19 fpi	4	007-06247-000	007-08417-000	007R00170-000	007R00062-000
552	Cont. 19 fpi	5	007-06270-000	007R00164-000	007R00171-000	007R00116-000
704	Cont. 19 fpi	4	007-06247-000	007-08417-000	007R00170-000	007R00062-000
704	Cont. 19 fpi	5	007-06270-000	007R00164-000	007R00171-000	007R00116-000
704	Cont. 19 fpi	5	007-06271-000	007R00071-000	007R00172-000	007R00073-000

TUBES (CONTINUED)

GENERATOR TUBES FOR DESIGN LEVEL "B" CHILLERS						
UNIT MODEL	LENGTH (IN)	NO. SKIPS	QTY.	Generator Code and Design Working Pressure		
				Non-Code/ ASME/ISPESL	TUV	TUV
				150 & 300 DWP	10 BAR	21 BAR
1A1	120-1/8	3	64	007R00215-000	N/A	007R00215-000
1A2	144-1/8	3	64	007R00216-000	N/A	007R00216-000
2A3	168-1/8	4	64	007R00217-000	N/A	007R00217-000
2A4	192-1/8	4	64	007R00218-000	N/A	007R00218-000
2B1	168-1/8	4	85	007R00217-000	N/A	007R00217-000
3B2	192-1/8	4	85	007R00218-000	N/A	007R00218-000
3B3	216-1/8	5	85	007R00219-000	N/A	007R00219-000
4B4	240-1/8	5	85	007R00220-000	N/A	007R00220-000
4C1	192-1/8	4	121	007R00218-000	N/A	007R00218-000
5C2	216-1/8	5	121	007R00219-000	N/A	007R00219-000
5C3	240-1/8	5	121	007R00220-000	N/A	007R00220-000
6C4	270-1/8	6	121	007R00221-000	N/A	007R00221-000
7D1	216-1/8	5	166	007R00219-000	007R00219-000	007R00225-000
7D2	240-1/8	5	166	007R00220-000	007R00220-000	007R00226-000
8D3	270-1/8	6	166	007R00221-000	007R00221-000	007R00227-000
8E1	240-1/8	5	224	007R00220-000	007R00220-000	007R00228-000
9E2	270-1/8	6	224	007R00221-000	007R00221-000	007R00229-000
10E3	300-1/8	7	224	007R00222-000	007R00222-000	007R00230-000
12F1	270-1/8	6	300	007R00221-000	007R00221-000	007R00231-000
13F2	300-1/8	7	300	007R00222-000	007R00222-000	007R00232-000
14F3	330-1/8	7	300	007R00223-000	007R00223-000	007R00233-000

NOTES:

1. See unit nameplate and nomenclature section of this document to determine design level of unit.
2. All tubes are 3/4" O.D., .035" wall, 19 fpi, 90/10 CuNi.
3. When replacing tubes in the generator, it is highly recommended to replace the supports.
4. All design level "B" units have a generator design working temperature up to 337°F (169°C) for Steam units and 266°F (130°C) for Hot water units.

TUBES (CONTINUED)

TUBE SUPPORTS FOR DESIGN LEVEL "A" CHILLERS									
UNIT MODEL	GENERATOR			CONDENSER		ABSORBER		EVAPORATOR	
	DUTY	QTY	PART NO.	QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1A1	STD	2	066-23508-000	2	066-52359-000	2	066-24633-000	2	066-24672-000
	HI-TEMP	4							
1A2	STD	2	066-23508-000	2	066-52359-000	2	066-24633-000	2	066-24672-000
	HI-TEMP	4							
2A3	STD	2	066-23508-000	2	066-52360-000	2	066-24633-000	2	066-24672-000
	HI-TEMP	6							
2A4	STD	3	066-23508-000	3	066-52360-000	TOTAL 3	(2) 066-24633-000	3	066-24672-000
	HI-TEMP	7					(1) 066-24634-000		
2B1	STD	2	066-24977-000	2	066-43323-000	2	066-25134-000	2	066-25162-000
	HI-TEMP	6							
3B2	STD	3	066-24977-000	3	066-24997-000	TOTAL 3	(2) 066-25134-000	3	066-25162-000
	HI-TEMP	7					(1) 066-25135-000		
3B3	STD	3	066-24977-000	3	066-24997-000	TOTAL 3	(2) 066-25134-000	3	066-25162-000
	HI-TEMP	8					(1) 066-25135-000		
4B4	STD	4	066-24977-000	4	066-24997-000	4	066-25134-000	4	066-25162-000
	HI-TEMP	9							
4C1	STD	3	066-21490-000	3	066-46353-000	TOTAL 3	(1) 066-21363-000	3	066-21400-000
	HI-TEMP	7					(2) 066-21362-000		
5C2	STD	3	066-21490-000	3	066-21492-000	TOTAL 3	(1) 066-21363-000	3	066-21400-000
	HI-TEMP	8					(2) 066-21362-000		
5C3	STD	4	066-21490-000	4	066-21492-000	4	066-21362-000	4	066-21400-000
	HI-TEMP	9							
6C4	STD	4	066-21490-000	4	066-21492-000	4	066-21362-000	4	066-21400-000
	HI-TEMP	10							
7D1	STD	3	066-26490-000	3	066-26509-000	TOTAL 3	(1) 066-26386-000	3	066-26406-000
	HI-TEMP	7					(2) 066-26385-000		
7D2	STD	4	066-26490-000	4	066-26509-000	4	066-26385-000	4	066-26406-000
	HI-TEMP	8							
8D3	STD	4	066-26490-000	4	066-26509-000	4	066-26385-000	4	066-26406-000
	HI-TEMP	10							
8E1	STD	4	066-27401-000	4	066-27412-000	4	066-27951-000	4	066-27978-000
	HI-TEMP	8							
9E2	STD	4	066-27401-000	4	066-27412-000	4	066-27951-000	4	066-27978-000
	HI-TEMP	9							
10E3	STD	5	066-27401-000	5	066-27412-000	TOTAL 5	(4) 066-27951-000	5	066-27978-000
	HI-TEMP	10					(1) 066-27952-000		
12F1	STD	4	066-28495-000	4	066-28518-000	4	066-28764-000	4	066-28786-000
	HI-TEMP	8							
13F2	STD	5	066-28495-000	5	066-28518-000	TOTAL 5	(4) 066-28764-000	5	066-28786-000
	HI-TEMP	10					(1) 066-28765-000		
14F3	STD	6	066-28495-000	5	066-28518-000	TOTAL 5	(4) 066-28764-000	5	066-28786-000
	HI-TEMP	11					(1) 066-28765-000		

TUBES (CONTINUED)

TUBE SUPPORTS FOR DESIGN LEVEL "B" CHILLERS								
UNIT MODEL	GENERATOR		CONDENSER		ABSORBER		EVAPORATOR	
	QTY	PART NO.	QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1A1	3	066-23508-000	2	066-52359-000	2	066-24633-000	2	066-24672-000
1A2	3	066-23508-000	2	066-52359-000	2	066-24633-000	2	066-24672-000
2A3	4	066-23508-000	2	066-52360-000	2	066-24633-000	2	066-24672-000
2A4	4	066-23508-000	3	066-52360-000	3	066-24633-000	3	066-24672-000
2B1	4	066-24977-000	2	066-43323-000	2	066-25134-000	2	066-25162-000
3B2	4	066-24977-000	3	066-24997-000	3	066-25134-000	3	066-25162-000
3B3	5	066-24977-000	3	066-24997-000	3	066-25134-000	3	066-25162-000
4B4	5	066-24977-000	4	066-24997-000	4	066-25134-000	4	066-25162-000
4C1	4	066-21490-000	3	066-46353-000	3	066-21363-000	3	066-21400-000
5C2	5	066-21490-000	3	066-21492-000	3	066-21363-000	3	066-21400-000
5C3	5	066-21490-000	4	066-21492-000	4	066-21362-000	4	066-21400-000
6C4	6	066-21490-000	4	066-21492-000	4	066-21362-000	4	066-21400-000
7D1	5	066-26490-000	3	066-26509-000	3	066-26385-000	3	066-26406-000
7D2	5	066-26490-000	4	066-26509-000	4	066-26385-000	4	066-26406-000
8D3	6	066-26490-000	4	066-26509-000	4	066-26385-000	4	066-26406-000
8E1	5	066-27401-000	4	066-27412-000	4	066-27951-000	4	066-27978-000
9E2	6	066-27401-000	4	066-27412-000	4	066-27951-000	4	066-27978-000
10E3	7	066-27401-000	5	066-27412-000	5	066-27951-000	5	066-27978-000
12F1	6	066-28495-000	4	066-28518-000	4	066-28764-000	4	066-28786-000
13F2	7	066-28495-000	5	066-28518-000	5	066-28764-000	5	066-28786-000
14F3	7	066-28495-000	5	066-28518-000	5	066-28764-000	5	066-28786-000

NOTES FOR ALL TUBE SUPPORTS:

1. See unit nameplate and nomenclature section of this document to determine design level of unit.
2. Tube supports are special order items at the Baltimore Parts Center, extended delivery may apply.
3. Design Level "A" tube support part numbers are also applicable for "ES" units.
4. The numbers in parentheses under the absorber column (Design Level "A" supports) are quantities of that particular part number that make up the total number of supports in the absorber shell.
5. The absorber shell center tube support on some Design Level "B" units will need to be slightly modified in the field for proper fit-up.
6. Standard and Hi-temperature generators (for Design Level "A" units) are defined as follows:

Steam Units:

Standard - Steam supply temperature 285°F, (140°C) or below.

Hi-Temp - Steam supply temperature between 285°F, up to 337°F, (169°C).

Hot Water Units:

Standard - Hot water supply temperature 240°F, (116°C) or below.

Hi-Temp - Hot water supply temperature between 240°F, up to 266°F, (130°C).

ISOFLOW SOLUTION-TO-SOLUTION HEAT EXCHANGERS

ISOFLOW SOLUTION-TO-SOLUTION HEAT EXCHANGERS						
UNIT MODEL	O.A.L. (IN)	TUBE LENGTH (IN)	TUBE QTY.	HEAT EXCHANGER PART NUMBER	SPRING TURBULATOR PART NUMBER	TUBE PART NUMBER
1A1	112	104-1/4	82	375R00760B000	029-13628-000	003-01855-000
1A2	136	128-1/4		375R00766B000	029-10007-000	003-01630-000
2A3	160	152-1/4		375R00768B000	029-10008-000	003-01656-000
2A4	184	176-1/4		375R00769B000	029-10009-000	003-01657-000
2B1	160	152-1/4	107	375R00800B000	029-10008-000	003-01656-000
3B2	184	176-1/4		375R00801B000	029-10009-000	003-01657-000
3B3	206	198-1/4		375R00802B000	029-10010-000	003-01658-000
4B4	227	219-1/4		375R00803B000	029-10011-000	003-01644-000
4C1	160	152-1/4	154	375R00814B000	029-10008-000	003-01656-000
5C2	184	176-1/4		375R00815B000	029-10009-000	003-01657-000
5C3	206	198-1/4		375R00816B000	029-10010-000	003-01658-000
6C4	227	219-1/4		375R00817B000	029-10011-000	003-01644-000
7D1	184	176-1/4	209	375R00832B000	029-10009-000	003-01657-000
7D2	206	198-1/4		375R00833B000	029-10010-000	003-01658-000
8D3	227	219-1/4		375R00834B000	029-10011-000	003-01644-000
8E1	188	176-1/4	294	375R00858B000	029-10009-000	003-01657-000
9E2	210	198-1/4		375R00859B000	029-10010-000	003-01658-000
10E3	231	219-1/4		375R00860B000	029-10011-000	003-01644-000
12F1	164	152-1/4	495	375R00861B000	029-10008-000	003-01656-000
13F2	188	176-1/4		375R00862B000	029-10009-000	003-01657-000
14F3	210	198-1/4		375R00863B000	029-13775-000	003-01658-000

NOTES:

1. All tubes are 1/2" O.D., .049" wall.

GASKETS AND ELASTOMERS

DESIGN LEVEL "A" CHILLERS

GASKETS AND ELASTOMERS FOR DESIGN LEVEL "A" CHILLERS			
UNIT MODEL	DESCRIPTION	STEAM UNITS	HOT WATER UNITS
ALL	Water box pass baffle (channel) gasket (fits all water boxes with multiple passes) Material: Buna-N, durometer 70	028-08547-000 ¹	
ALL	Absorber sight glass gaskets, 4"OD x 3-3/8" ID (2 required per unit) Material: Buna-N	070-16406-000	
1A1 - 2A4	GENERATOR HEAD GASKETS MATERIAL: ETYLENE PROPYLENE	066R10516A001	
2B1 - 4B4		066R10516A002	
4C1 - 6C4		066R10516A003	
7D1 - 8D3		066R10516A004	
8E1 - 10E3		066R10548A001	
12F1 - 14F3		066R10548A002	
1A1 - 2A4	CONDENSER HEAD GASKETS	066R10522A001	
2B1 - 4B4		066R10522A002	
4C1 - 6C4		066R10522A003	
7D1 - 8D3		066R10522A004	
8E1 - 10E3		066R10549A001	
12F1 - 14F3		066R10549A004	
1A1 - 2A4	ABSORBER HEAD GASKETS	066R10522A009	
2B1 - 4B4		066R10522A010	
4C1 - 6C4		066R10522A011	
7D1 - 8D3		066R10522A012	
8E1 - 10E3		066R10549A003	
12F1 - 14F3		066R10549A006	
1A1 - 2A4	EVAPORATOR HEAD GASKETS	066R10522A005	
2B1 - 4B4		066R10522A006	
4C1 - 6C4		066R10522A007	
7D1 - 8D3		066R10522A008	
8E1 - 10E3		066R10549A002	
12F1 - 14F3		066R10549A005	
12F1 - 14F3	Condenser drain pan connection flange gasket, 7" OD x 3" ID used only on split shipment chillers. Material: neoprene	067-70963-000	

NOTES:

1. Purchase in either 25 or 50 foot rolls.
2. Two neoprene rupture disk gaskets are included with the rupture disk. These gaskets cannot be ordered separately. See Miscellaneous Components section for rupture disk part number.

GASKETS AND ELASTOMERS (CONTINUED)

DESIGN LEVEL "B" CHILLERS (Units built after February 1998)

GENERATOR:

UNIT MODEL FAMILY	ASME & NON CODE		TUV CODE	
	DWP 150 & 300 lb		10 & 21 Bar	
	YORK P/N	QTY.	YORK P/N	QTY.
A	028R00965-000	9 ft.	028R00931-001	2 pcs.
B	028R00965-000	10 ft.	028R00931-002	2 pcs.
C	028R00965-000	11 ft.	028R00931-003	2 pcs.
D	028R00965-000	14 ft.	028R00931-004	2 pcs.
E	028R00965-000	15 ft.	028R00931-005	2 pcs.
F	028R00965-000	17 ft.	028R00931-006	2 pcs.
All	Pass baffle gaskets are YORK P/N 028-08547-000 purchase in either a 25' or 50' roll Material: Buna-N			
All	Absorber sight glass gaskets 4" OD x 3-3/8" ID (2 required per unit) Material: Buna-N P/N 070-16406-000			

CONDENSER:

UNIT MODEL FAMILY	COMPACT WATER BOXES				MARINE WATER BOXES ¹			
	DWP 150 LB		DWP 300 LB		DWP 150 LB.		DWP 300 LB	
	YORK P/N	QTY.	YORK P/N	QTY.	YORK P/N	QTY.	YORK P/N	QTY.
A	028R00949-000	10 FT.	028R00950-000	10 FT.	075R02391-002	2 PCS.	N/A	-
B	028R00949-000	10 FT.	028R00950-000	10 FT.	075R02391-005	2 PCS.	N/A	-
C	028R00949-000	12 FT.	028R00950-000	12 FT.	075R02391-008	2 PCS.	N/A	-
D	028R00949-000	12 FT.	028R00950-000	12 FT.	075R02391-011	2 PCS.	N/A	-
E	028R00949-000	15 FT.	028R00950-000	15 FT.	075R02391-014	2 PCS.	N/A	-
F	028R00949-000	16 FT.	028R00950-000	16 FT.	075R02391-017	2 PCS.	N/A	-
All	Pass baffle gaskets are YORK P/N 028-08547-000 purchase in either a 25' or 50' roll Material: Buna-N							
All	Absorber sight glass gaskets 4" OD x 3-3/8" ID (2 required per unit) Material: Buna-N P/N 070-16406-000							

– continued on page 62

NOTES:

1. Compact design gaskets are used on the return water boxes for even pass arrangements. Quantity shown is for odd pass arrangements boxes.
2. Two neoprene gaskets are included with the rupture disk, these gaskets cannot be purchased separately.
3. The material for the 028R00931-000 gaskets is Garlock CP-3900.

GASKETS AND ELASTOMERS (CONTINUED)

DESIGN LEVEL “B” CHILLERS (Units built after February 1998)

EVAPORATOR:

UNIT MODEL FAMILY	COMPACT WATER BOXES				MARINE WATER BOXES ¹			
	DWP 150 LB		DWP 300 LB		DWP 150 LB.		DWP 300 LB	
	YORK P/N	QTY.	YORK P/N	QTY.	YORK P/N	QTY.	YORK P/N	QTY.
A	028R00949-000	11 ft.	028R00950-000	11 ft.	075R02391-003	2 pcs.	N/A	-
B	028R00949-000	13 ft.	028R00950-000	13 ft.	075R02391-006	2 pcs.	N/A	-
C	028R00949-000	15 ft.	028R00950-000	15 ft.	075R02391-009	2 pcs.	N/A	-
D	028R00949-000	17 ft.	028R00950-000	17 ft.	075R02391-012	2 pcs.	N/A	-
E	028R00949-000	20 ft.	028R00950-000	20 ft.	075R02391-015	2 pcs.	N/A	-
F	028R00949-000	23 ft.	028R00950-000	23 ft.	075R02391-018	2 pcs.	N/A	-
All	Pass baffle gaskets are YORK P/N 028-08547-000 purchase in either a 25' or 50' roll Material: Buna-N							
All	Absorber sight glass gaskets 4" OD x 3-3/8" ID (2 required per unit) Material: Buna-N P/N 070-16406-000							

ABSORBER:

UNIT MODEL FAMILY	COMPACT WATER BOXES				MARINE WATER BOXES ¹			
	DWP 150 LB		DWP 300 LB		DWP 150 LB.		DWP 300 LB	
	YORK P/N	QTY.	YORK P/N	QTY.	YORK P/N	QTY.	YORK P/N	QTY.
A	028R00949-000	15 ft.	028R00959-000	15 ft.	075R02391-001	2 pcs.	N/A	-
B	028R00949-000	18 ft.	028R00959-000	18 ft.	075R02391-004	2 pcs.	N/A	-
C	028R00949-000	20 ft.	028R00959-000	20 ft.	075R02391-007	2 pcs.	N/A	-
D	028R00949-000	25 ft.	028R00959-000	25 ft.	075R02391-010	2 pcs.	N/A	-
E	028R00949-000	28 ft.	028R00959-000	28 ft.	075R02391-013	2 pcs.	N/A	-
F	028R00949-000	32 ft.	028R00959-000	32 ft.	075R02391-016	2 pcs.	N/A	-
All	Pass baffle gaskets are YORK P/N 028-08547-000 purchase in either a 25' or 50' roll Material: Buna-N							
All	Absorber sight glass gaskets 4" OD x 3-3/8" ID (2 required per unit) Material: Buna-N P/N 070-16406-000							

NOTES:

1. Compact design gaskets are used on the return water boxes for even pass arrangements. Quantity shown is for odd pass arrangement boxes.
2. Two neoprene gaskets are included with the rupture disk, these gaskets cannot be purchased separately.
3. The material for the 028R00931-000 gaskets is Garlock CP-3900.

CHEMICALS AND COMPOUNDS

ITEM DESCRIPTION	PART NUMBER
Lithium Bromide Solution, ADVAGuard 750 Inhibited, (30 gallon drum)	011-00903-000
ADVAGuard 750A Solution, (1/2 gallon bottle)	011-00931-000
ADVAGuard 750A Solution, (1 gallon bottle)	011-00932-000
ADVAGuard 750B Powder, (50 gram container)	011-00933-000
ADVAGuard 750B Powder (100 gram container)	011-00934-000
ADVAGuard 750B Powder (500 gram container)	011-00935-000
Lithium Bromide Solution, Molybdate inhibited, (30 gallon drum)	011-00556-001
Lithium Bromide Solution, Chromate inhibited, (30 gallon drum)	044-01268-000
Lithium Bromide Solution, Uninhibited, (30 gallon drum)	011-00940-000
Refrigerant, De-ionized water (55 gallon drum)	011-00548-000
Lithium Molybdate Inhibitor, Powder, (1lb. bottle)	011-00557-000
Lithium Molybdate Inhibitor, Liquid, (1 pint bottle equals 0.4lb. of Molybdate Powder)	011-00905-000
Lithium Nitrate Inhibitor, Powder, (1lb. bottle)	011-00524-002
Lithium Nitrate Inhibitor, Liquid, (1 gallon bottle equals 3lbs. Nitrate Powder)	011-00906-000
Lithium Chromate Inhibitor, Liquid, (1 gallon bottle equals 4lbs. Chromate Inhibitor)	044-01651-000
Lithium Hydroxide Monohydrate, Powder (5lb. can)	044-02985-000
Lithium Hydroxide Monohydrate, Powder (1lb. can)	044-01196-000
Alcohol, (2-Ethyl -1 -Hexanol), (5 gallon pail)	011-00524-003
Alcohol, (2-Ethyl -1 -Hexanol), 3Kg (1 gallon)	044-02294-000
Adhesive, Gasket (5oz. tube)	013-00995-000
Thread Cleaner (16oz. pump spray bottle, shelf life 1 year)	013-02899-000
Thread Primer (1.75oz. bottle w/brush)	013-01753-000
Thread Sealer, for stainless steel threads (250 ml tube, shelf life 1 year)	013-02280-000
Thread Sealer, for carbon steel threads (250 ml tube, shelf life 1 year)	013-02023-000
Sealer, for carbon wear rings on new style pumps (50 ml bottle, shelf life 1 year)	013-03026-000
Vacuum Sealant, (4oz. can)	013-02882-003
Vacuum Grease (5.3oz. tube)	011-00901-000
Sealer, for tube rolling in Cond., Evap., and Absorber (250 ml bottle)	013-01046-000
Sealer, for tube rolling in Generator (50 ml bottle)	013-02998-000
Heat Conductive Compound, for thermowells in low temp. areas, (4oz. can)	013-00898-000
Heat Conductive Compound, for thermowells in high temp. areas (16oz. can)	013-03083-000
P-80 Rubber Lubricant, (1 pint)	044-01711-000
Oil, YORK Vacuum Pump, (1 gallon bottle)	011-00524-004
Paint, Caribbean Blue touchup, (16oz. spray can)	013-01835-000

NOTES:

- Units built between January 1, 1999 and June, 2000 will be lithium molybdate inhibited. Consult unit nameplate for the correct solution inhibitor.
- Units built after June 2000 will have the ADVAGuard 750 inhibitor.
- Before ordering any lithium nitrate inhibitor - contact YORK Factory Service.
- YORK recommends a high-temperature epoxy for installing insulation or insulation pins to the generator. There is no YORK part number for this product. It can be obtained via the McMaster-Carr Catalog, Product No. 7563A24 for a one pint can, or 7563A26 for a one gallon can.
- When ordering ADVAGuard 750B, purchase only what is required. There is no shelf life of this product after container is opened.
- Original solution concentrations:

CONCENTRATION	INHIBITOR			
	CHROMATE	NITRATE	MOLYBDATE	ADVAGuard
	54%	53%	55%	54%

SERVICE TOOLS

YORK SERVICE TOOLS	
ITEM DESCRIPTION	PART NUMBER
500 mL polypropylene hydrometer flask (graduated cylinder)	044-02982-000
Refrigerant removal tank, includes hose and two clamps (hose 5/8" ID x 1.024" OD)	026-32007-002
Bubble count bottle (4 oz. plastic medical vial)	028-08642-000
Ammonia and Alkaline solution test kit	026-32824-000
Chromate corrosion inhibitor test kit (chromate inhibited units only)	026-18304-000
Thermometer, 12" long, 0 to 230°F range (spirit filled)	026-32364-000
Thermometer, 15" long, 0 to 500°F range (spirit filled)	026-32365-000
Thermometer Kit "A", (contains two thermometers below)	366-34332-000
1) thermometer, 12" long, mercury filled, -30 to 120°F range	026-14087-000
2) thermometer, 12" long, mercury filled, 0 to 230°F range	026-14088-000
Hydrometer Kit, case and set of eight hydrometers (contains 1 thru 8 below)	026-32366-000
1) hydrometer, range .700 to .810 specific gravity	026-32366-001
2) hydrometer, range .800 to .910 specific gravity	026-32366-002
3) hydrometer, range .900 to 1.010 specific gravity	026-32366-003
4) hydrometer, range 1.000 to 1.220 specific gravity	026-32366-004
5) hydrometer, range 1.200 to 1.420 specific gravity	026-32366-005
6) hydrometer, range 1.400 to 1.620 specific gravity	026-32366-006
7) hydrometer, range 1.600 to 1.820 specific gravity	026-32366-007
8) hydrometer, range 1.800 to 2.000 specific gravity	026-32366-008
Solution Sample Kit (Lithium Bromide)	028-15065-000
Spindle Valve Adapter	922-08869-001

In addition to the above YORK Service Tools, some non-YORK service tools may be required and must be purchased independently.

NON-YORK SERVICE TOOLS	
ITEM DESCRIPTION	PART NO.
Safety glasses	
Rubber gloves	
Water resistant apron	
High intensity flashlight, such as the AA Mini Maglite.	
Gas washing bottle (combination 250 mL polypropylene graduated cylinder and vacuum flask) ideal for taking solution specific gravity. Phone 1-800-323-4340	Cole-Parmer Cat. No P-06652-00
Infrared thermometer, such as the Exergen Microscanner D500F, phone 1-800-422-3006.	
Small utility/transfer pump, such as one of the below;	
TEEL 1/2 hp portable self-priming pump.	Grainger #2P110A
TEEL 1/10 hp self-priming marine utility pump.	Grainger #1P579F
Portable vacuum pump capable of pulling down to 3mm Hg Abs.	
Digital or analog multimeter, such as the Fluke 87.	
Mixed bed de-ionizer (can be rented through local water treatment company).	
Heavy duty plastic garbage cans, approx. 55 gallon size.	
Heavy duty plastic bucket, approx 3 gallon size.	
Miscellaneous; normal mechanics hand tools, 1/4" hose barbs, hose clamps, teflon tape and various connectors for attaching hose to vacuum pump and sample flasks.	
Motor Rotation Detector (order through local Bell & Gossett representative)	Bell & Gossett #S12908

ISOFLOW SPRAY NOZZLES

ISOFLOW SPRAY NOZZLES								
MODEL	EVAPORATOR				ABSORBER			
	PART NO.	QTY.	ORIFICE SIZE	NOZZLE	PART NO.	QTY.	ORIFICE SIZE	NOZZLE
1A1	023-08842-000	26	.235"	1/2GA - 35W	023-09732-000	36	.265"	1/2GA - 50W
1A2	023-08842-000	30	.235"	1/2GA - 35W	023-09732-000	45	.265"	1/2GA - 50W
2A3	023-08842-000	36	.235"	1/2GA - 35W	023-09732-000	51	.265"	1/2GA - 50W
2A4	023-08842-000	40	.235"	1/2GA - 35W	023-09732-000	60	.265"	1/2GA - 50W
2B1	023-10209-000	38	.265"	1/2HH - 50W	023-10209-000	60	.265"	1/2HH - 50W
3B2	023-10209-000	44	.265"	1/2HH - 50W	023-10209-000	69	.265"	1/2HH - 50W
3B3	023-10209-000	50	.265"	1/2HH - 50W	023-10209-000	78	.265"	1/2HH - 50W
4B4	023-10209-000	54	.265"	1/2HH - 50W	023-10209-000	87	.265"	1/2HH - 50W
4C1	023-10209-000	44	.265"	1/2HH - 50W	023-10209-000	84	.265"	1/2HH - 50W
5C2	023-10209-000	50	.265"	1/2HH - 50W	023-10209-000	92	.265"	1/2HH - 50W
5C3	023-10209-000	56	.265"	1/2HH - 50W	023-10209-000	104	.265"	1/2HH - 50W
6C4	023-10209-000	62	.265"	1/2HH - 50W	023-10209-000	116	.265"	1/2HH - 50W
7D1	023-10209-000	58	.265"	1/2HH - 50W	357R01992-001	76	-	YORK
7D2	023-10209-000	66	.265"	1/2HH - 50W	357R01992-001	84	-	YORK
8D3	023-10209-000	74	.265"	1/2HH - 50W	357R01992-001	96	-	YORK
8E1	023-10209-000	78	.265"	1/2HH - 50W	375R01992-002	100	-	YORK
9E2	023-10209-000	87	.265"	1/2HH - 50W	375R01992-002	115	-	YORK
10E3	023-10209-000	96	.265"	1/2HH - 50W	375R01992-002	125	-	YORK
12F1	023-10209-000	99	.265"	1/2HH - 50W	375R01992-003	120	-	YORK
13F2	023-10209-000	111	.265"	1/2HH - 50W	375R01992-003	130	-	YORK
14F3	023-10209-000	120	.265"	1/2HH - 50W	375R01992-003	145	-	YORK

ISOFLOW CHILLER SPARE PARTS LIST

It is recommended that certain parts be stocked by the customer to facilitate prompt service in the event of a component failure. Spare parts inventory will, of course, depend upon the degree of self-sufficiency required by the building owner or customer. YORK has prepared two parts lists to handle all conditions in which part replacement would be necessary for the absorption chiller. The first table is for preventive, regular and scheduled maintenance of the chiller, the second table is for emergency chiller repairs due to component failures.

The below table includes parts recommended by YORK to sufficiently service the unit under **normal** circumstances.

PREVENTIVE, REGULAR & SCHEDULED MAINTENANCE SPARE PARTS				
MODEL	DESCRIPTION	QTY	PART NUMBER	COMMENTS
ALL	Corrosion inhibitor test kit	1	026-18304-000	Chromate inhibited units only
ALL	Solution Sample kit	1 doz.	028-15065-000	
ALL	Inhibitor (choose only one)	1 lb.	See Chemicals & Compounds section for Part Number	
ALL	Vacuum pump oil	1 gal.	011-00447-000	Old style vacuum pumps only
			011-00524-000	New style vacuum pumps only
ALL	Vacuum Sealant	1	013-02882-003	one 4 oz. can
ALL	Vacuum grease	1	011-00901-000	5.3 oz. tube
ALL	Thread cleaner	1	013-02899-000	one aerosol can
ALL	Thread primer	1	013-01753-000	one 1.75 oz. bottle
ALL	Thread sealer	1	013-02023-000	250 mL tube
ALL	Heat conductive compound - Low temp areas	1	1013-00898-000	4 oz. can
ALL	Heat conductive compound - High temp areas	1	1013-03083-000	16 oz. can
ALL	Adhesive, gasket	1	013-00995-000	5 oz. tube
ALL	Replacement diaphragm	2	022-05125-000	For 3/4" diaphragm valves
ALL	Replacement diaphragm	3	022-09126-000	For 1/2" diaphragm (sample) valves
ALL	Water box pass baffle (channel) gasket ¹	25 ft.	028-08547-000	For water boxes with multiple passes only
—	Generator hear gasket ²	—	See appropriate Gasket and Elastomer section in this document for correct part number per the design level and model of chiller.	
—	Condenser head gasket ²	—		
—	Absorber head gasket ²	—		
—	Evaporator head gasket ²	—		
—	New motor w/pump repair kit for refrigerant pump	1	See Pump Repair Kits section in this document for part number per the correct voltage and model of chiller.	
—	New motor w/pump repair kit for solution pump	1		

NOTES:

1. This gasket is only for heat exchangers with more than one pass. YORK recommends stocking a total of 25 feet for each chiller. This gasket comes on a roll and is ordered by the foot, and can be used on all the heat exchanger water box pass baffles.
2. For design level "B" chillers, the condenser, evaporator and absorber use the same part number gasket. YORK recommends stocking 25 feet of gasket for each heat exchanger water box. These gaskets come on a roll and are ordered by the foot.
3. New style pumps recommend one motor bearing kit and one pump repair kit every 50,000 operating hours. YORK recommends inspecting the motor bearing and pump at 50,000 operating hours and replacement only if necessary. Larger cost items such as new motor with pump repair kit should be stocked only if there is no chiller redundancy at the site and chiller down-time must be kept to a minimum.

ISOFLOW CHILLER EMERGENCY SPARE PARTS LIST

The table below includes parts recommended for **emergency** chiller failures in the event the chiller goes off line and chiller operation must be resumed as soon as possible. The parts in the below table should be stocked **in addition** to the parts listed in the preventive, regular and scheduled maintenance spare parts table.

EMERGENCY SPARE PARTS				
MODEL	DESCRIPTION	QTY	PART NUMBER	COMMENTS
ALL	Temperature Sensor (50,000 ohms)	1	025-30457-000	High temperature areas of unit
ALL	Temperature Sensor (3,000 ohms)	1	025-29964-000	Low temperature areas of unit
ALL	Pressure Transducer	1	025-29148-001	Generator PT1
ALL	High temperature cutout switch	1	025-29995-000	HT1
ALL	High pressure cutout switch	1	224-25525-058	HP1
ALL	Low refrigerant temperature cutout switch	1	025-29923-000	LRT
ALL	Rupture disk (Hot water units only)	1	026-10433-000	includes gaskets
ALL	Fuse	1	025-29905-000	1FU, 7 amp
ALL	I/O expansion board	1	031-01301-001	good for all electrical codes
ALL	Microboard	1	031-01065-002	good for all electrical codes
—	Power supply board	1	See Main Control Panel section of this document for correct part number per the unit electrical code.	
—	Relay control board	1		
—	Relay control board	1		
—	Digital input board	1		
ALL	EPROM	1	031-01417-001	good for all chillers w/ Micropanel
—	Pump contactors	1 each pump	See Power Panel Components section of this document for correct part number per unit voltage, model, and electrical code.	
—	Motor protectors			
—	Primary fuse or Circuit breaker	1		
—	Disconnect switch	1		
ALL	YORK Vacuum Pump V-Belt	1	028-14424-000	208-230/460-3-60 models (belt size 4L415)
ALL	YORK Vacuum Pump V-Belt	1	028-14425-000	380/400/415-3-50 models only (belt size 41-0713)
ALL	YORK Vacuum Pump V-Belt	1	028-14424-000	208-230/460-3-60 models w/TEFC motor (belt size 4L415)
ALL	Temperature Sensor	1	025-28935-000	3,000 ohms

SHIP LOOSE ITEMS LIST

The following is a typical list of ship loose items associated with each chiller shipment. Not all items will be included with each shipment, due to the different options available with each order. Please refer to unit packing list for the specific items pertaining to your order. If it is discovered that a part is missing from the unit ship loose parts, please contact the YORK Factory, Customer Service Department.

Refrigerant and lithium bromide solution are requisition items not included with the unit ship loose parts. These items must be ordered individually by the local YORK office before unit start-up.

Unit sizes 1A1 through 10E3 are shipped standard as a one-piece shipment – unless specially ordered as a two-piece shipment. Refer to the Factory Order Sheet to determine if this special has been ordered for your unit.

Unit sizes 12F1 through 14F3 are shipped standard as a two-piece shipment.

ONE-PIECE SHIPMENT

P/N / ITEM	SUB-ITEM P/N	DESCRIPTION	UNITS	QTY	UOM
366K21457 000		Assembly in Field Instructions	All	1	each
	026 09261 000	Absolute Pressure Gauge (Mercury)		1	each
	367K66030 000	Connection Assembly 1/4" flare		1	each
	023 02763 000	Straight Connector 1/4 flare x 1/2 NPTE		1	each
	023 00927 000	Connector 1/4 flare x 1/4 NPTE		1	each
	021R00326 000	Screw Pan Head #10 1"		2	each
	021 00435 000	Nut Hex Mach screw #10		2	each
366K52163 000		Assembly Instructions Flow Switch	All	1	each
	024 15793 000	Flow Switch 150 PSI		1	each
	066 67309 000	Half Coupling		1	each
035 02228 000		Forms Kit	All	1	each
	Form 155.16-OM1	Operating & Maintenance Instructions		1	each
	Form 155.16-N3	Installation Instructions		1	each
	Form 155.16-NO8	Installation & Operation (Printer)		1	each
	Form 155.16-O3	Operator Manual		1	each
035R00090 000		Wiring Diagram	50 hz	1	each
035R00089 000		Wiring Diagram	60 Hz	1	each
035R00074B000		Visual Aid for locating the sensors	Steam	1	each
035R00075B000		Visual Aid for locating the sensors	Hot Water	1	each
044 02294 000		Alcohol (2-Ethyl 1- Hexanol) (1 Gallon)	1A1 - 6C4	1	each
044 02294 000		Alcohol (2-Ethyl 1- Hexanol) (1 Gallon)	7D1 - 14F3	2	each
013 00898 000		Heat Conductive Compound	All	1	each
366R12175 000		High Pressure Assembly (HP1)	All	1	each
	024R00132 000	High Pressure Control		1	each
	023R00278 000	1/2" NPT elbow		1	each
	023 04010 000	1/2" x 3/4" bushing		1	each
	023 11331 000	3/4" NPT tee		1	each
	023R00279 000	3/4" x 1-3/8" long pipe nipple		1	each
	023 04039 000	3/4" x 1/4" pipe bushing		1	each
	022 05089 000	1/4" stop angle valve		1	each
	025 29907 001	Pressure transducer (PT1)		1	each
	026 30229 000	Pressure transducer isolator		1	each
028 08642 000		Clear Plastic Vial	All	1	each
028 13535 000		Hose, 3/4" ID x 1.024" OD	All	3	ft
021 12930 000		Clamp Hose	All	2	each
035R00121 000		Visual Aid for Vacuum Pump Assembly	All	1	feet
CAT1407K-11		Oil Vacuum Pump	All	1	liter

ONE-PIECE SHIPMENT (CONTINUED)

P/N / ITEM	SUB-ITEM P/N	DESCRIPTION	UNITS	QTY	UOM
See unit packing list		Unit Control Valve	Optional (see order)	1	each
025 30458 000		Condensate Drain Solenoid Valve	Steam Units 1A1-4B4 50 HZ Only	1	each
025 30459 000		Condensate Drain Solenoid Valve	Steam Units 4C1-14F3 50 HZ Only	1	each
025 30461 000		Condensate Drain Solenoid Valve	Steam Units 1A1-4B4 60 HZ Only	1	each
025 30462 000		Condensate Drain Solenoid Valve	Steam Units 4C1-14F3 60 HZ Only	1	each
JB8 Electrical Box Assy 50 Hz		JB8 Electrical Box Assembly for 6 SOL	Steam Units 50 Hz	1	each
	025 31332 000	Electrical Box		1	each
	025 29167 000	Din Rail		3	inch
	021 13783 000	Screws		2	each
	025 31442 000	Terminal Block		2	each
	025 31446 000	Terminal Marker		4	each
	025 29189 000	End Din Rail		2	each
	025 31426 000	Nipple conduit close		1	each
	025 31427 000	Bushing conduit threaded		2	each
	025 31307 000	Conduit 3/4 1 inch length		1	each
JB8 Electrical Box Assy 60 Hz		JB8 Electrical Box Assembly for 6 SOL	Steam Units 60 Hz	1	each
	025 01146 000	Electrical Box		1	each
	025 01732 000	Cover for electrical Box		1	each
	025 21104 000	Nipple conduit close		1	each
	025 10372 000	Ferr splice cap		2	each
	025 10371 000	Insulator electric		2	each
	025 04866 000	Bushing conduit threaded		1	each
	025 05701 000	Nut		1	each
	025R00131 000	Rigid conduit 1 inch length		1	each
024 15793 000		Additional flow switch 150 PSI	Optional 150 PSI	1	each
024 12144 000		Additional flow switch 300 PSI	Optional 300 PSI	1	each
031 00814 000 and 031 00827 000		Remote Interface Card 1	Optional	1	each
031 00814 000 and 031 00827 000		Remote Interface Card 2	Optional	1	each
(2) 031 00814 000 and (1) 031 00827 000		Remote Interface Card 1 + 2	Optional	1	each

ONE-PIECE SHIPMENT (CONTINUED)

P/N / ITEM	SUB-ITEM P/N	DESCRIPTION	UNITS	QTY	UOM
366K29813 000		Isolation Pads assembly	Optional 1A1 - 2A4	1	each
	366K29814 000	Isolation Pads		4	each
367K67606 000		Isolation Pads assembly	Optional 2B1 - 4B4	1	each
	367K67439 000	Isolation Pads		4	each
367K67607 000		Isolation Pads assembly	Optional 4C1 - 6C4	1	each
	367K67440 000	Isolation Pads		4	each
367K67608 000		Isolation Pads assembly	Optional 7D1 - 8D3	1	each
	367K67441 000	Isolation Pads		4	each
367K78184 000		Isolation Pads assembly	Optional 8E1 - 10E3	1	each
	367K78185 000	Isolation Pads		4	each
366K06736 000		Isolation Pads assembly	Optional 12F1 - 14F3	1	each
	366K07185 000	Isolation Pads		4	each
026 10433 000		Rupture disk	Hot water units only	1	each
028 12908 000		Gasket for Rupture Disk	Hot water units only	3	ft

SPLIT SHIP UNITS

P/N / ITEM	SUB-ITEM P/N	DESCRIPTION	UNITS	QTY	UOM
Split shipment 1A1 - 1A2		Split shipment	Optional 1A1 & 1A2	1	each
	066R11530 000	Pipe 1-1/2 x 10"		1	each
	066R12499 000	Pipe 1-1/2 x 7"		1	each
	023 02462 000	Reduction 3 to 2-1/2"		1	each
	023 02459 000	Reduction 3 to 1-1/2"		1	each
	035R00093 000	Drawing for split shipment assembly		1	each
Split shipment 2A3 - 2A4		Split shipment	Optional 2A3 & 2A4	1	each
	066R11530 000	Pipe 1-1/2 X 10"		1	each
	066R11526 000	Pipe 1/2 x 10"		1	each
	066R12499 000	Pipe 1-1/2 x 7"		2	each
	023 02462 000	Reduction 3 to 2-1/2"		1	each
	023 02459 000	Reduction 3 to 1-1/2"		1	each
	035R00093 000	Drawing for split shipment assembly		1	each
Split shipment 2B1 - 4B4		Split shipment	Optional 2B1 - 4B4	1	each
	066R11537 000	Pipe 2 x 10"		1	each
	066R11526 000	Pipe 1/2 x 10"		1	each
	066R12499 000	Pipe 1-1/2 x 7"		2	each
	023 09892 000	Reduction 3-1/2 to 2		1	each
	066R12612 000	Pipe 3-1/2 x 6"		1	each
	035R00094 000	Drawing for split shipment assembly		1	each
Split shipment 4C1 - 5C3		Split shipment	Optional 4C1 - 5C3	1	each
	066R11545 000	Pipe 2-1/2 x 10"		1	each
	066R11526 000	Pipe 1/2 x 10"		1	each
	066R12500 000	Pipe 2 x 7"		2	each
	023 02490 000	Reduction 4 to 2-1/2		1	each
	066R12613 000	Pipe 4 x 5"		1	each
	035R00095 000	Drawing for split shipment assembly		1	each
Split shipment 6C4		Split shipment	Optional 6C4	1	each
	066R11545 000	Pipe 2-1/2 x 10"		1	each
	066R11526 000	Pipe 1/2 x 10"		1	each
	066R12500 000	Pipe 2 x 7"		2	each
	023 02490 000	Reduction 4 to 2-1/2		1	each
	066R12613 000	Pipe 4 x 5"		1	each
	021 01598 000	Screw 1/2 x 3-1/2		4	each
	021 11154 000	Nut Hex 1/2" 13 UNC-2B		4	each
	035R00095 000	Drawing for split shipment assembly		1	each

SPLIT SHIP UNITS (CONTINUED)

P/N / ITEM	SUB-ITEM P/N	DESCRIPTION	UNITS	QTY	UOM
Split shipment 7D1 - 8D3		Split shipment	Optional 7D1 - 8D3	1	each
	066R11545 000	Pipe 2-1/2 x 10"		1	each
	066R11526 000	Pipe 1/2 x 10"		1	each
	066R12500 000	Pipe 2 x 7"		2	each
	025 02510 000	Reduction 5 to 4"		1	each
	023 02507 000	Reduction 5 to 3"		1	each
	023 02475 000	Elbow 4"		1	each
	021 02097 000	Screw 3/4 x 3-1/2"		4	each
	021 00504 000	Nut Hex 3/4"		4	each
	035R00096 000	Drawing for split shipment assembly		1	each
Split shipment 8E1 - 10E3		Split shipment	Optional 7D1 - 8D3	1	each
	066R11526 000	Pipe 1/2 x 10"		1	each
	066R11527 000	Pipe 3 x 10"		1	each
	067 82917 000	Pipe 2-1/2 x 8"		2	each
	025 02509 000	Reduction 5 to 3-1/2"		1	each
	023 02527 000	Reduction 6 to 5"		1	each
	023 02495 000	Elbow 5"		1	each
	021 02097 000	Screw 3/4 x 3-1/2"		4	each
	021 00504 000	Nut Hex 3/4"		4	each
	035R00097 000	Drawing for split shipment assembly		1	each
Split shipment 12F1 - 14F3		Split shipment	Mandatory 12F1-14 F3	1	each
	067 82917 000	Pipe 2-1/2 x 8"		2	each
	067 78356 000	Pipe 3-1/2"		1	each
	067 75548 000	Pipe 3/4"		1	each
	023 07828 000	Reduction 6 to 4"		1	each
	023 02527 000	Reduction 6 to 5"		1	each
	023 02495 000	Elbow 5"		1	each
	023 02513 000	Elbow 6"		1	each
	035-02274C000	Drawing for split shipment assembly		1	each

