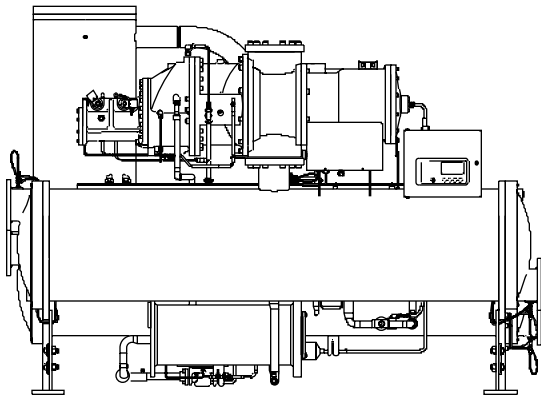


THIS SERVICE PARTS GUIDE IS COMPRESSOR FRAME SIZE DRIVEN.

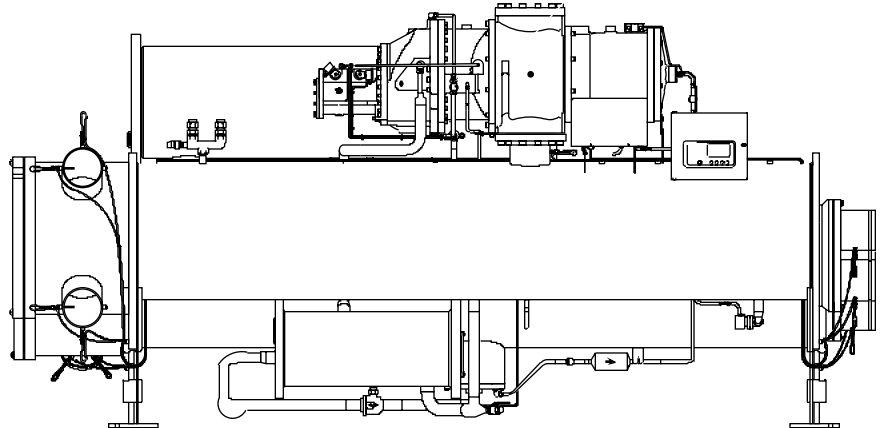
"C4" OR "C6" SIZE COMPRESSOR WITH FRAME #1 OR 2 COOLER & CONDENSER

"D4" OR "D6" SIZE COMPRESSOR WITH FRAME #3 OR 4 COOLER & CONDENSER

TO DETERMINE YOUR COMPRESSOR, COOLER, AND CONDENSER FRAME SIZE REFER TO SIGNIFICANCE CHART ON PAGE#2



23XL FRAME 1 OR 2

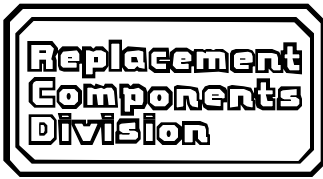


23XL FRAME 4

HOW TO USE THIS CATALOG

1. THIS CATALOG PRESENTS THE MOST COMMONLY USED SPECIFIED PARTS FOR THE STANDARD 23XL HERMETIC SCREW MACHINE AND IS NOT APPLICABLE TO ANY SPECIAL ORDER MACHINES. (CONTACT CARRIER WITH MACHINE SERIAL NUMBER FOR ANY SPECIAL ORDER UNIT PARTS.)
 2. OCCASIONALLY, DUE TO LIMITATIONS OF ILLUSTRATIONS USED, A PART MAY NOT BE ILLUSTRATED. THESE PARTS ARE IDENTIFIED BY "N" IN THE COLUMN NEXT TO THE ITEM NUMBER.
 3. THE FOLLOWING PARTS ARE NOT LISTED IN THIS CATALOG:
 - A) STARTERS
 - B) EVAP. TUBE PART NUMBERS
 - C) COND. TUBE PART NUMBERS
- IF ANY OF THESE PARTS ARE REQUIRED, CONTACT YOUR CARRIER REPRESENTATIVE WITH THE MODEL NUMBER AND SERIAL NUMBER OF YOUR MACHINE
4. POSITIVE IDENTIFICATION OF YOUR MACHINE TO PROPERLY SELECT PARTS MAY BE DONE BY REFERRING TO THE MACHINE NAME PLATE. SEE SIGNIFICANCE CHART, PG. 2.





HERMETIC SCREW LIQUID CHILLER (R22 & R134A) WITH PIC I OR PIC II CONTROLS

23XL

MACHINE MODEL NUMBER SIGNIFICANCE

DIGIT	1	2	3	4	5	6	7	8	9	10	11	12
MODEL NO.	2	3	X	L	2	0	2	1	E	C	6	1

MODEL

SLIDE VALVE CODE
1 - VARIABLE V I
0 - FIXED V I

COOLER CODE
10 & 11, FRAME 1
20 & 21, FRAME 2
40 & 41, FRAME 4
42 & 43, FRAME 4

CONDENSER CODE
10 & 11, FRAME 1
20 & 21, FRAME 2
40 & 41, FRAME 4
42 & 43, FRAME 4

COMPRESSOR CODE (60HZ)

C2 - 150 TONS (530 KW)	D4 - 275 TONS (968 KW)
C4 - 185 TONS (650 KW)	W/ ECON. D4 - 300 TONS (1056 KW)
W/ ECON. C4 - 200 TONS (700 KW)	D6 - 325 TONS (1144 KW)
C6 - 230 TONS (810 KW)	W/ECON. D6 - 350 TONS (1232 KW)
W/ECON. C6 - 250 TONS (880 KW)	

SERIAL NUMBER SIGNIFICANCE

2	8	9	9	Q	1	2	3	4	5
---	---	---	---	---	---	---	---	---	---

WEEK OF MFG. YEAR OF MFG. MANUFACTURING PLANT SEQUENTIAL NUMBER OF MACHINE

ECONOMIZER CODE
E - ECONOMIZER
N - NO ECONOMIZER

COMPRESSOR MODEL NUMBER SIGNIFICANCE

DIGIT	1	2	3	4	5	6	7	8	9
MODEL NO.	T	C	4	B	H	0	1	A	G

MODEL
T = TWIN SCREW

TYPE
C = 200 TON
D = 300 TON
CAPACITY (TONS)

C TYPE COMPR.

D TYPE COMPR.

2	160 TON
4	200 TON
6	250 TON
4	300 TON
6	350 TON

POLARITY B = TWO POLE

G = INGERSOL COMPR.
H = HOWDEN COMPR.

DESIGN MODIFICATIONS:
INTERNAL USE ONLY

DESIGN VARIABLE

00 - FIXED V I
01 - VARIABLE V I
60 - FIXED V I (SERVICE MODEL)
61 - VARIABLE V I (SERVICE MODEL)

ELECTRICAL

H	400 / 460 - 3 - 50 / 60
J	575 - 3 - 60
L	230 - 3 - 50
T	346 / 380 / 415-3-50/ 60
V	200 - 208-3-60
W	220 - 240 - 3 - 60

Graphics Catalog

Catalog No: FCD-3523-004 (9/99) Rev.

Supersedes: FCD-3523-003 & 23.002

Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 2

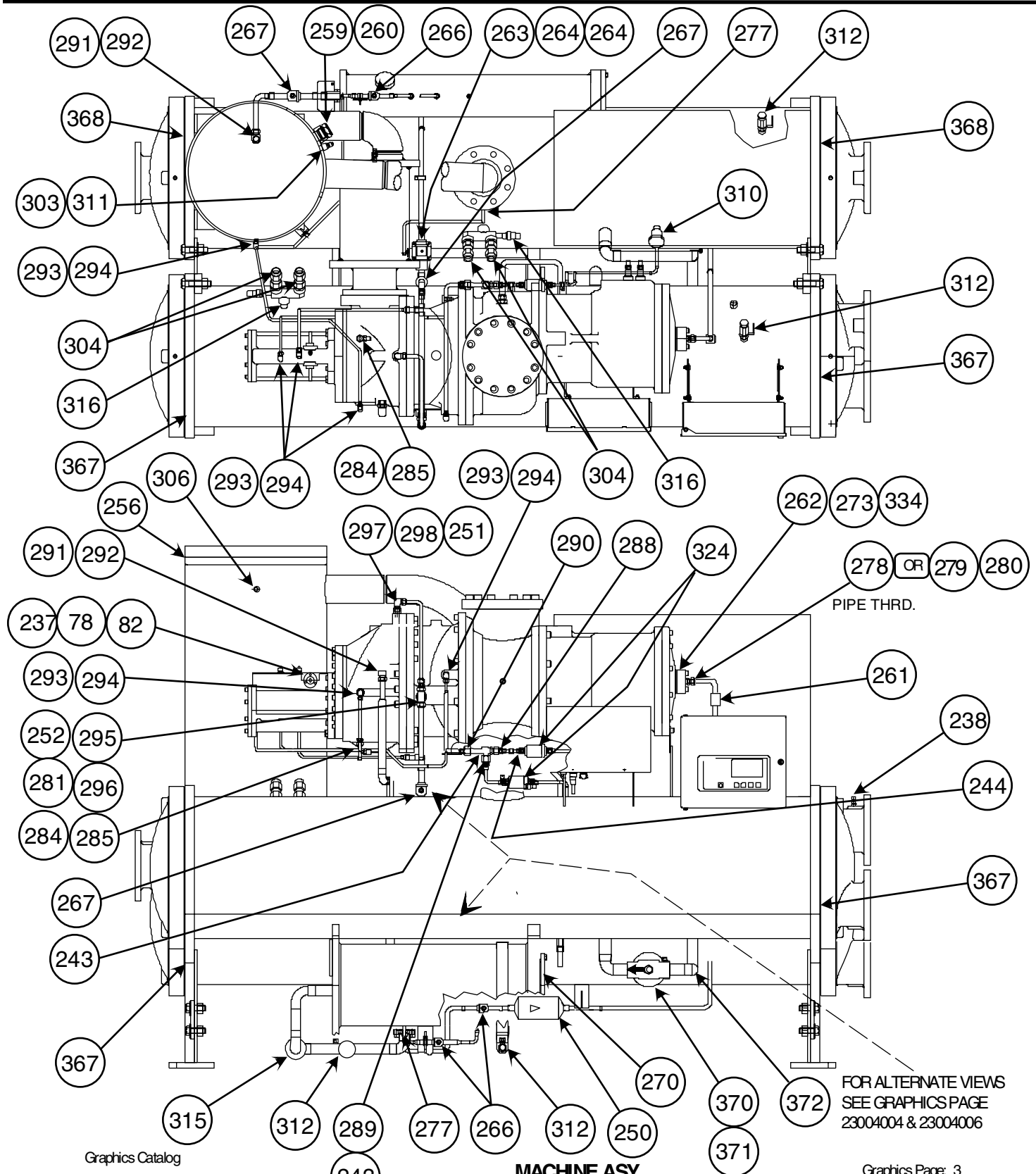
Litho in U.S.A.



Electronic Graphics 23004002

**HERMETIC SCREW LIQUID
CHILLER (R22 & R134A)
WITH PIC I OR PIC II CONTROLS**

23XL



FOR ALTERNATE VIEWS
SEE GRAPHICS PAGE
23004004 & 23004006

Graphics Catalog

Catalog No: FCD-3523-004 (9/99) Rev.

Supersedes: FCD-3523-003 & 23.002

Note: See "Catalog Notes" on last page for explanation of symbolism.

Rev.

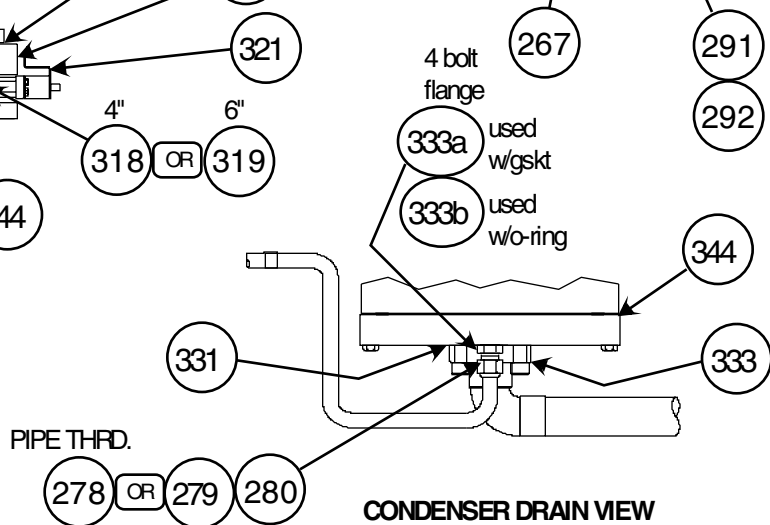
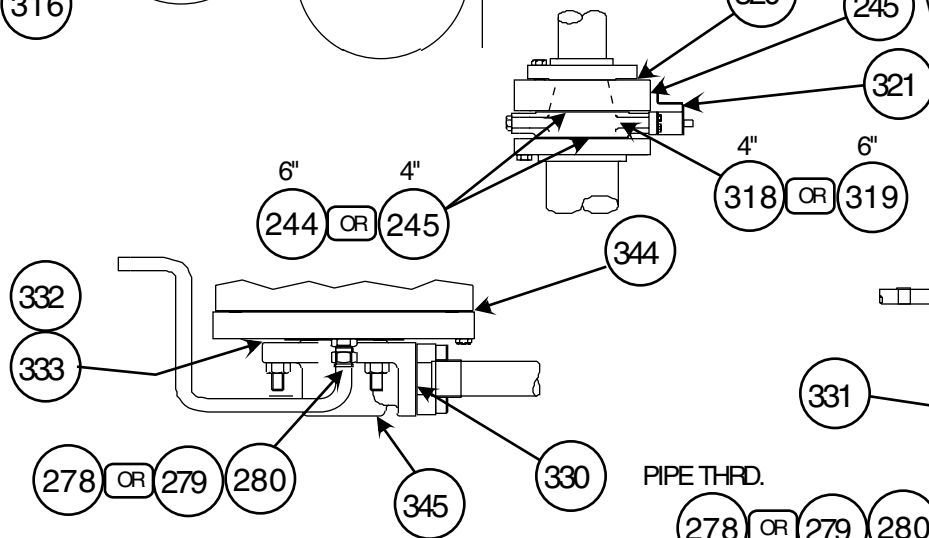
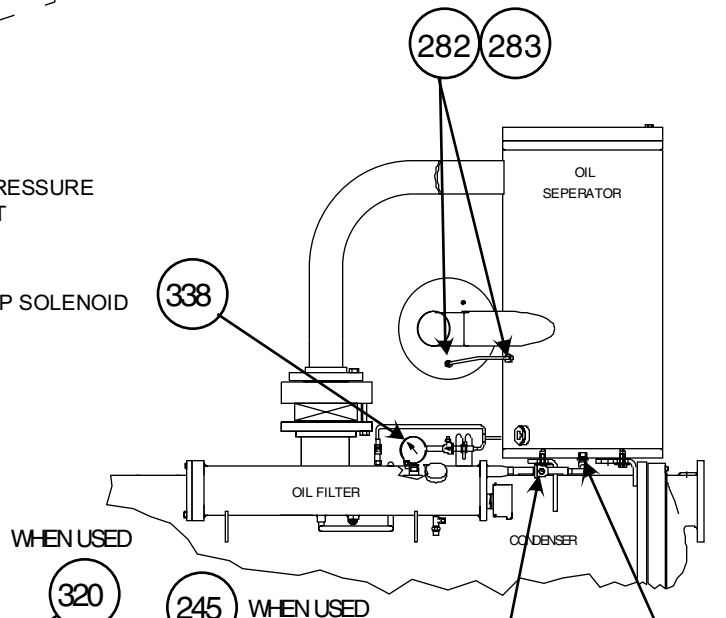
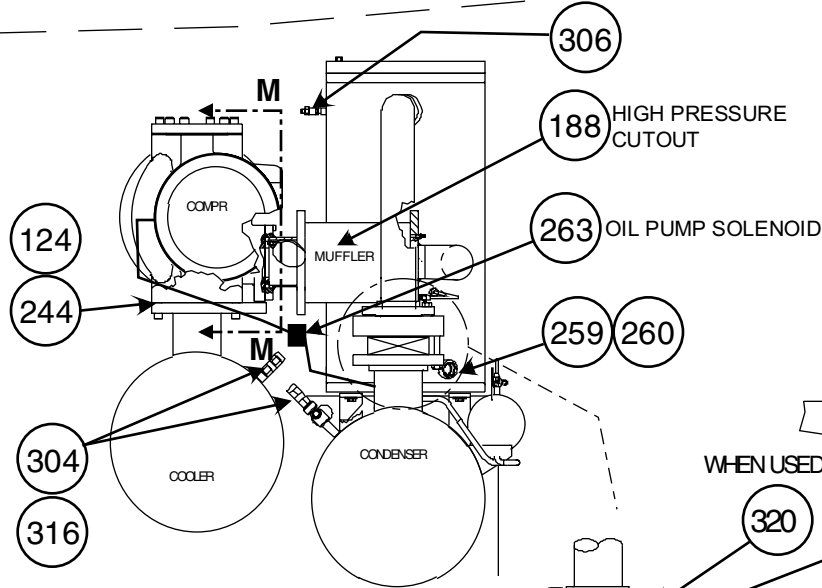
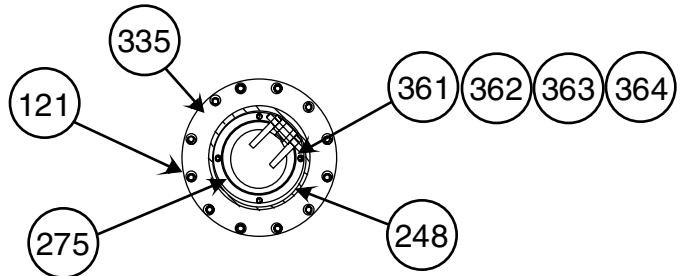
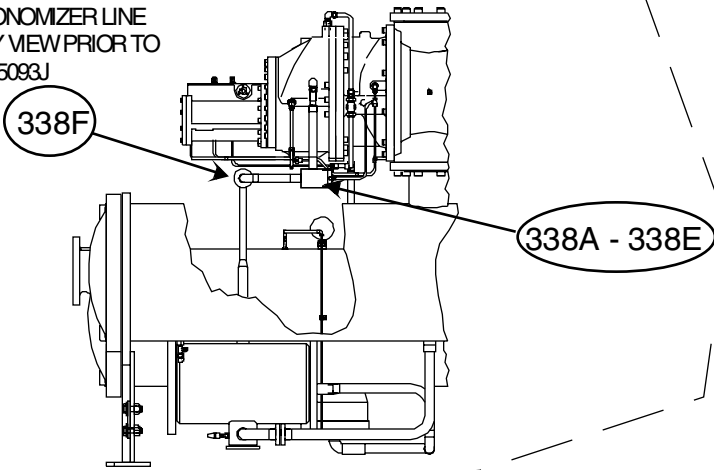
**MACHINE ASY
FRAME 1 & 2
(PIC II SHOWN)**

Graphics Page: 3

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ECONOMIZER LINE
ASY VIEW PRIOR TO
SN 5093J



Graphics Catalog

FRAME 1 & 2

Graphics Page: 4

Catalog No: FCD-3523-004 (9/99) Rev.

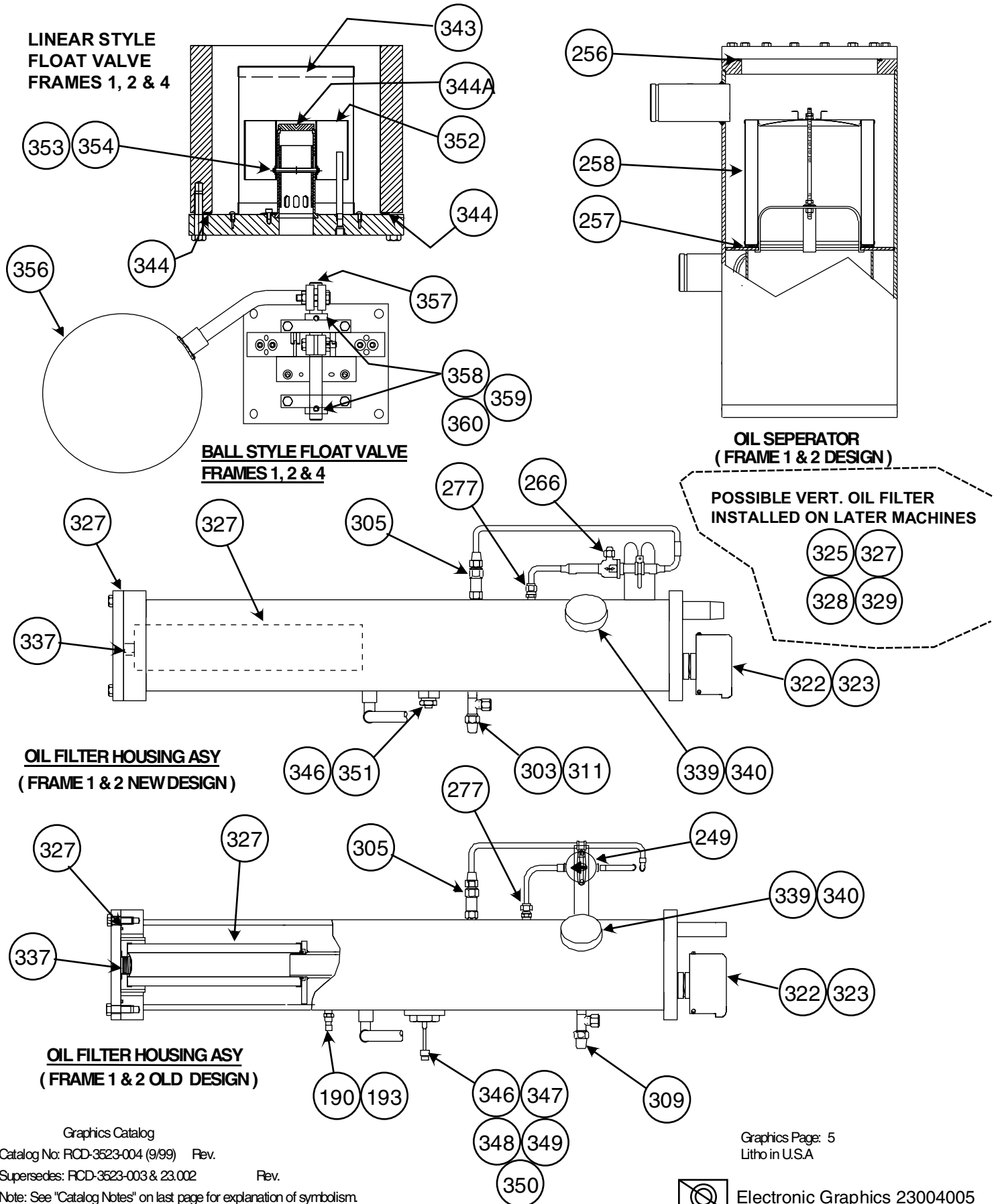
Supersedes: FCD-3523-003 & 23.002

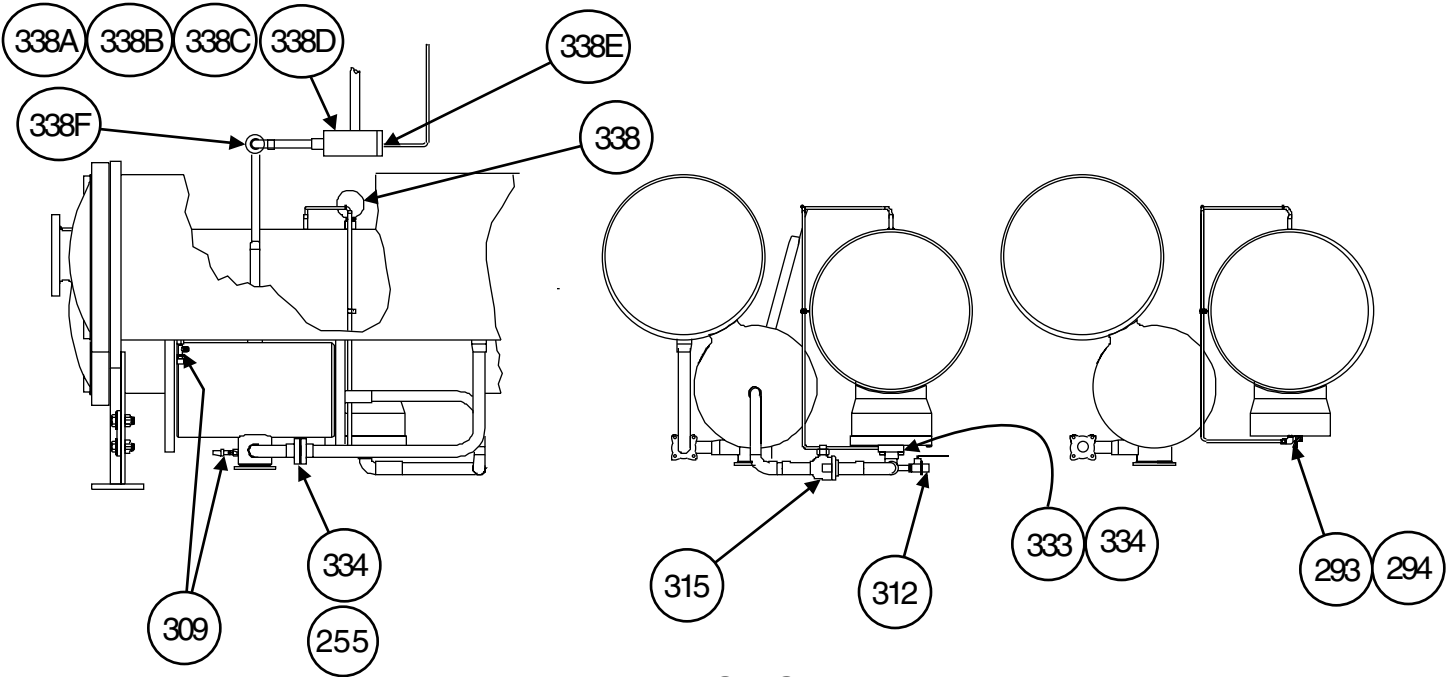
Rev.

Litho in U.S.A.

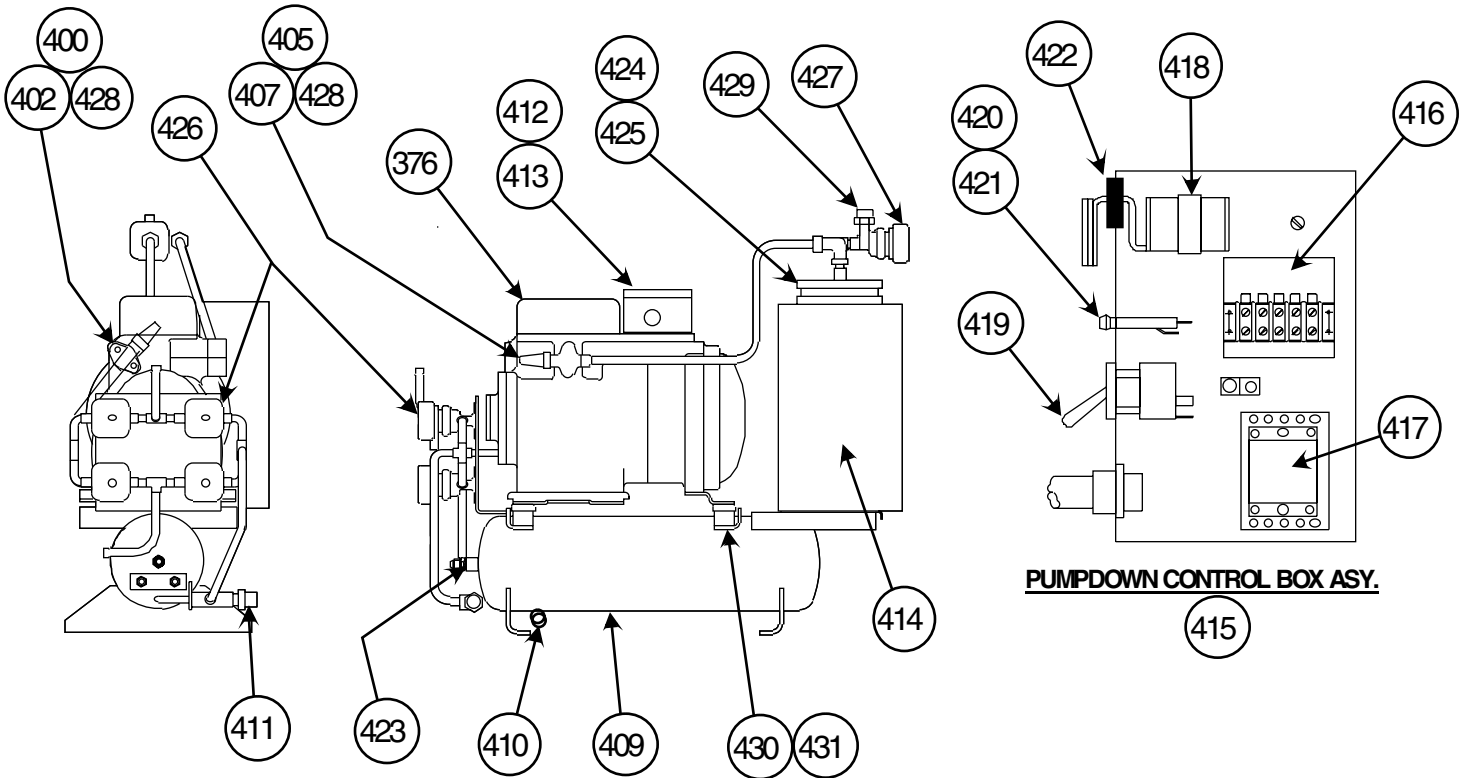
Note: See "Catalog Notes" on last page for explanation of symbolism.







**UNIT PIPING PSN 5093J
FOR FRAME #1 & 2**



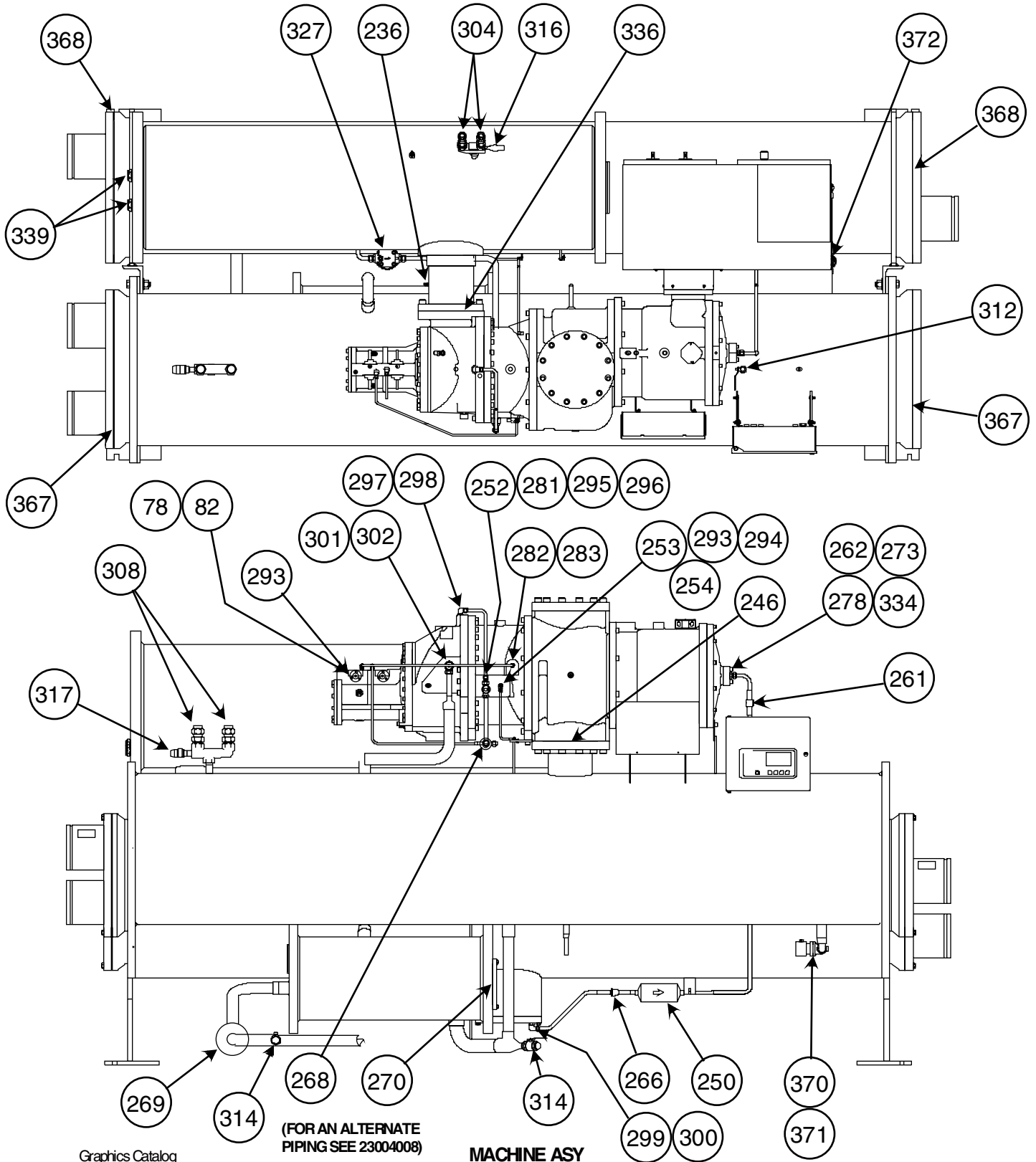
PUMPDOWN CONTROL BOX ASY.

**PUMPDOWN ASY.
USED WITH ALL MACHINES**

374 OR 375

Graphics Catalog
Catalog No: FCD-3523-004 (9/99) Rev.
Supersedes: FCD-3523-003 & 23.002 Rev.
Note: See "Catalog Notes" on last page for explanation of symbolism.





(FOR AN ALTERNATE
PIPING SEE 23004008)

**MACHINE ASY
FRAME 4
(PIC II SHOWN)**

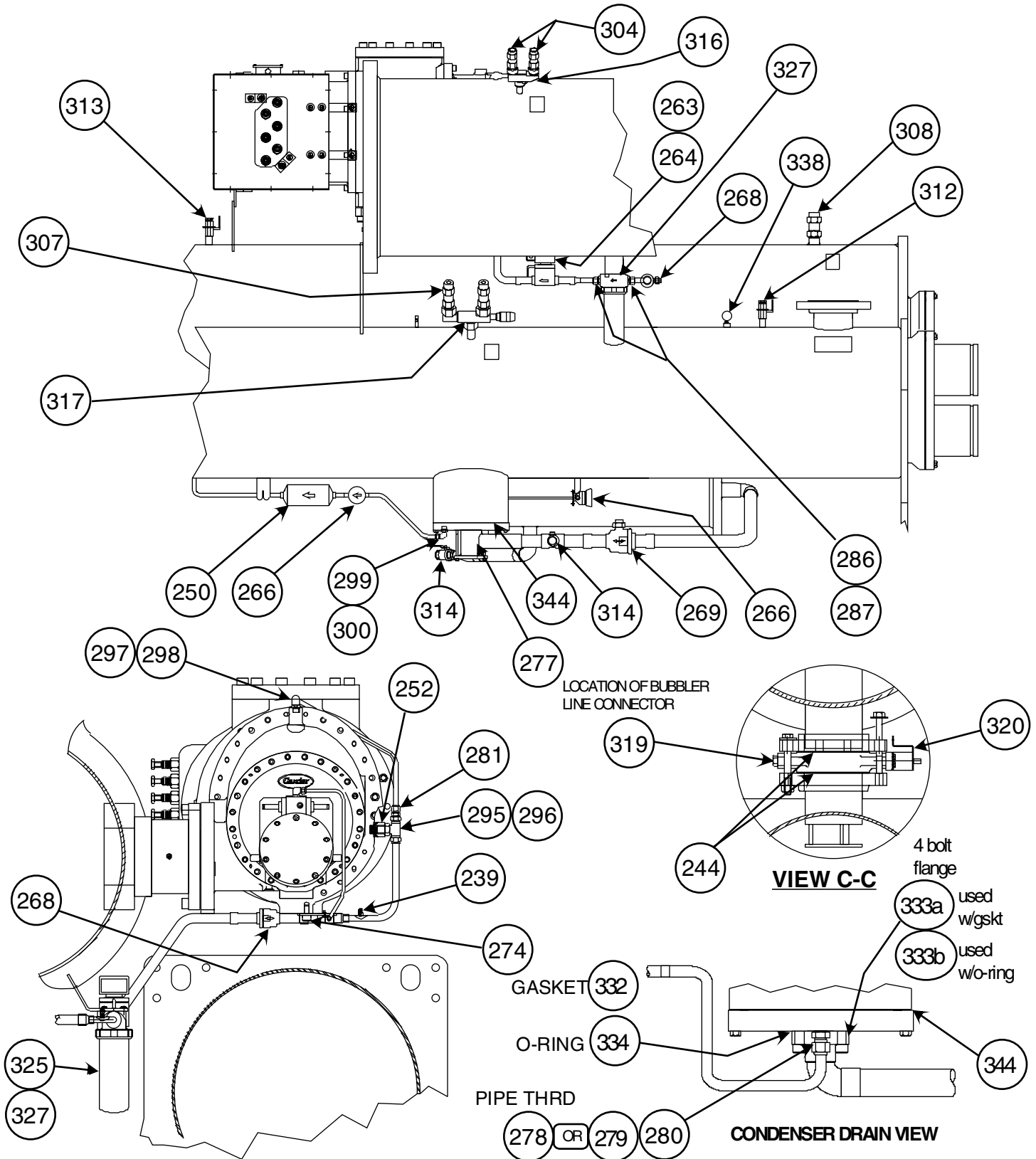
Graphics Catalog
Catalog Nr: FCD-3523-004 (9/99) Rev.

Supersedes: FCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 7
Litho in U.S.A.





Graphics Catalog

Catalog No: FCD-3523-004 (9/99) Rev.

Supersedes: FCD-3523-003 & 23.002

Rev.

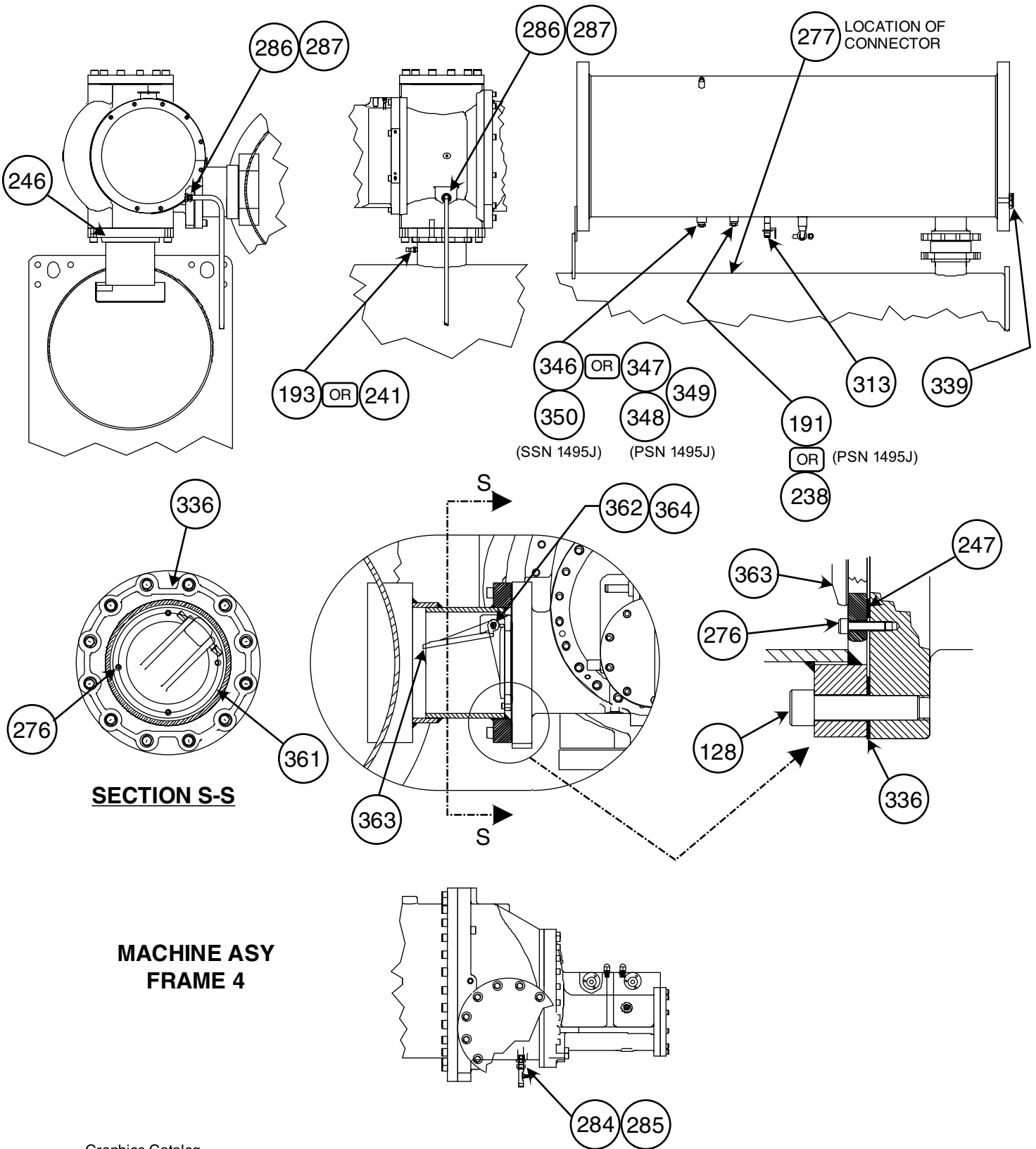
Note: See "Catalog Notes" on last page for explanation of symbolism.

FRAME 4

Graphics Page: 8

Litho in U.S.A.





Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

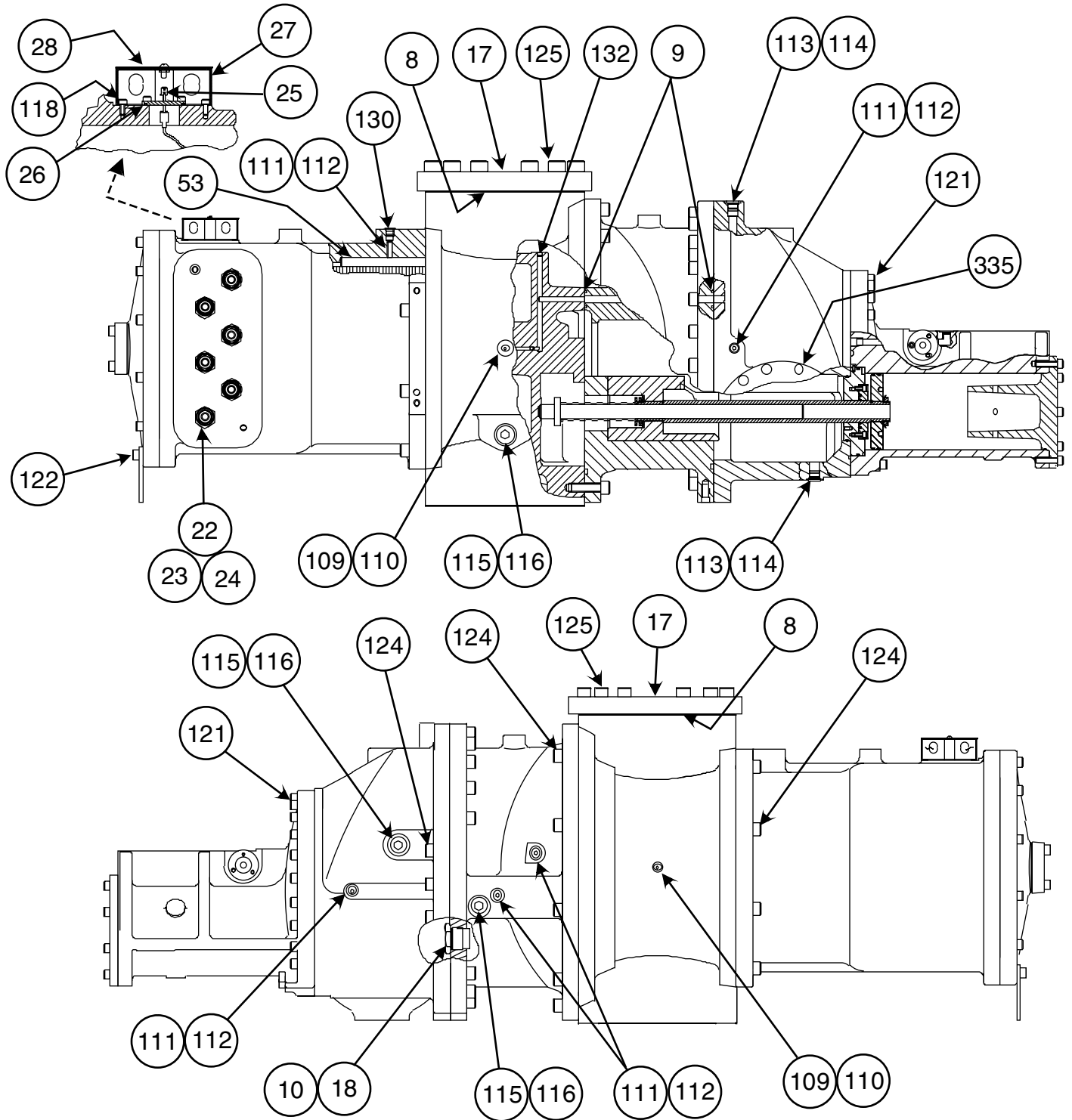
Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 9

Litho in U.S.A





**COMPRESSOR "C" TYPE
FIXED V.I. SHOWN**

Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

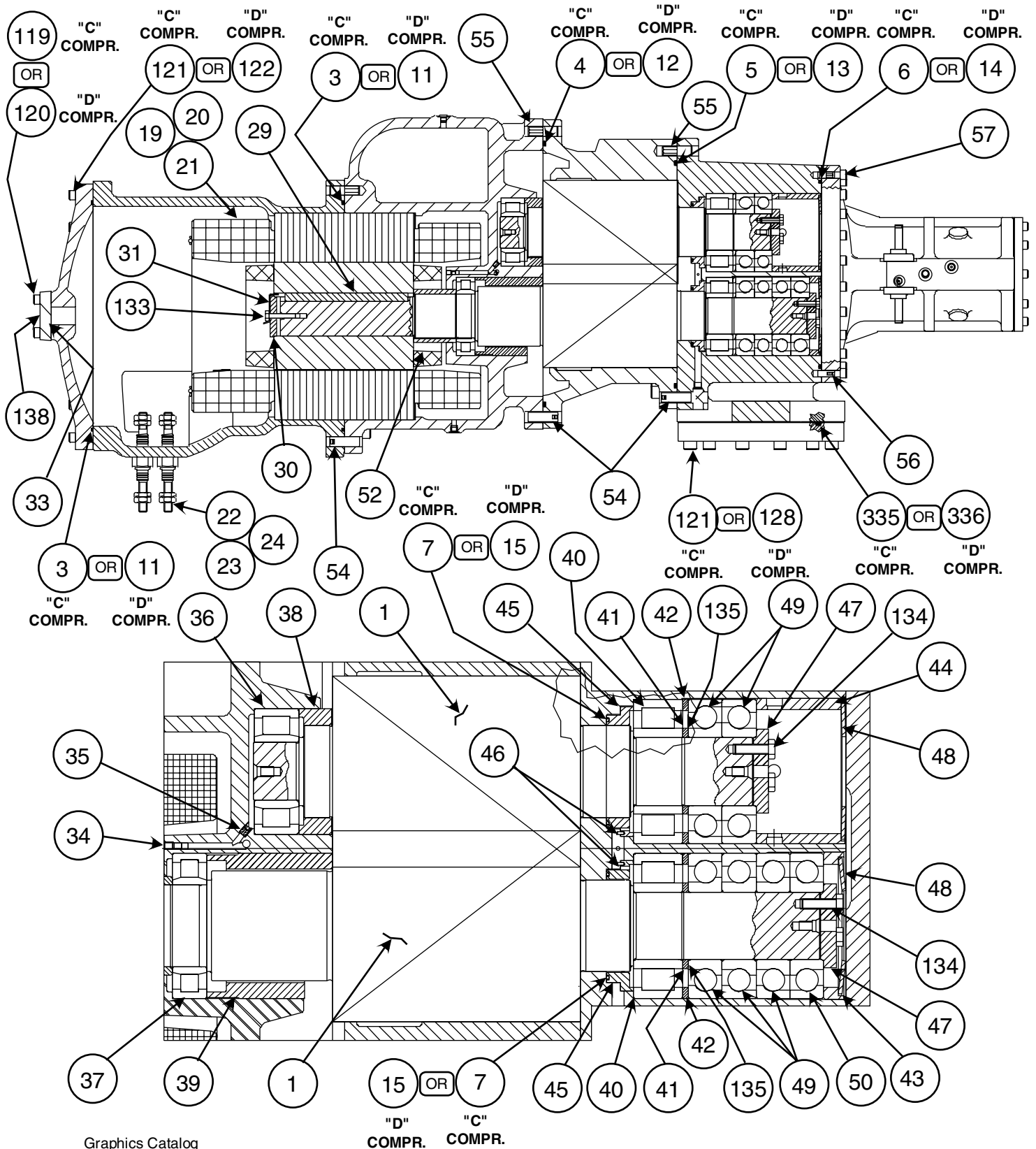
Graphics Page: 10

Litho in U.S.A



**HERMETIC SCREW LIQUID
CHILLER (R22 & R134A)
WITH PIC I OR PIC II CONTROLS**

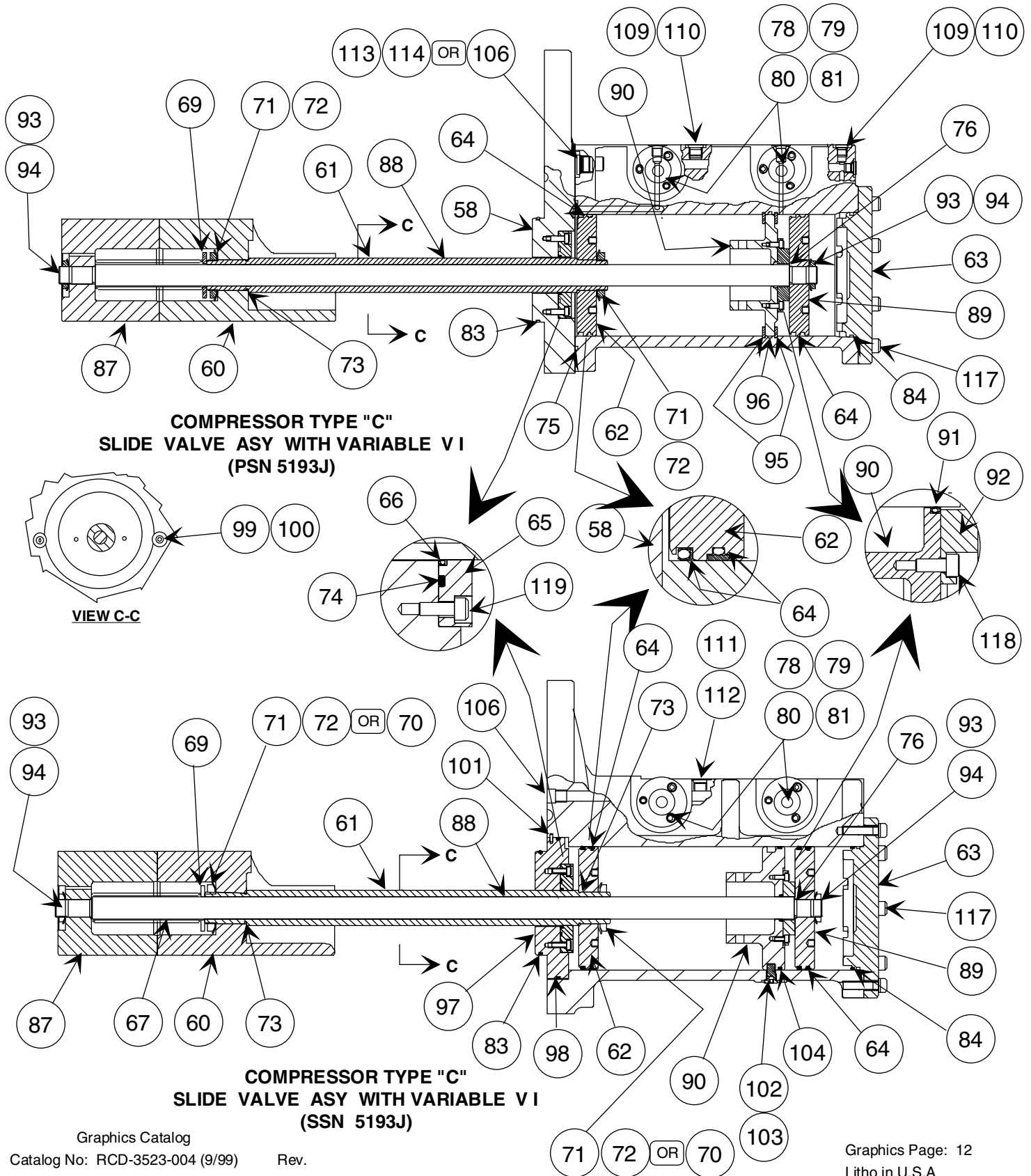
23XL



Graphics Catalog
Catalog No: RCD-3523-004 (9/99) Rev.
Supersedes: RCD-3523-003 & 23.002 Rev.
Note: See "Catalog Notes" on last page for explanation of symbolism.

(USE VIEW FOR COMPRESSOR TYPES "C" & "D")

Graphics Page: 11
Litho in U.S.A



**COMPRESSOR TYPE "C"
SLIDE VALVE ASY WITH VARIABLE V I
(PSN 5193J)**

VIEW C-C

**COMPRESSOR TYPE "C"
SLIDE VALVE ASY WITH VARIABLE V I
(SSN 5193J)**

Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

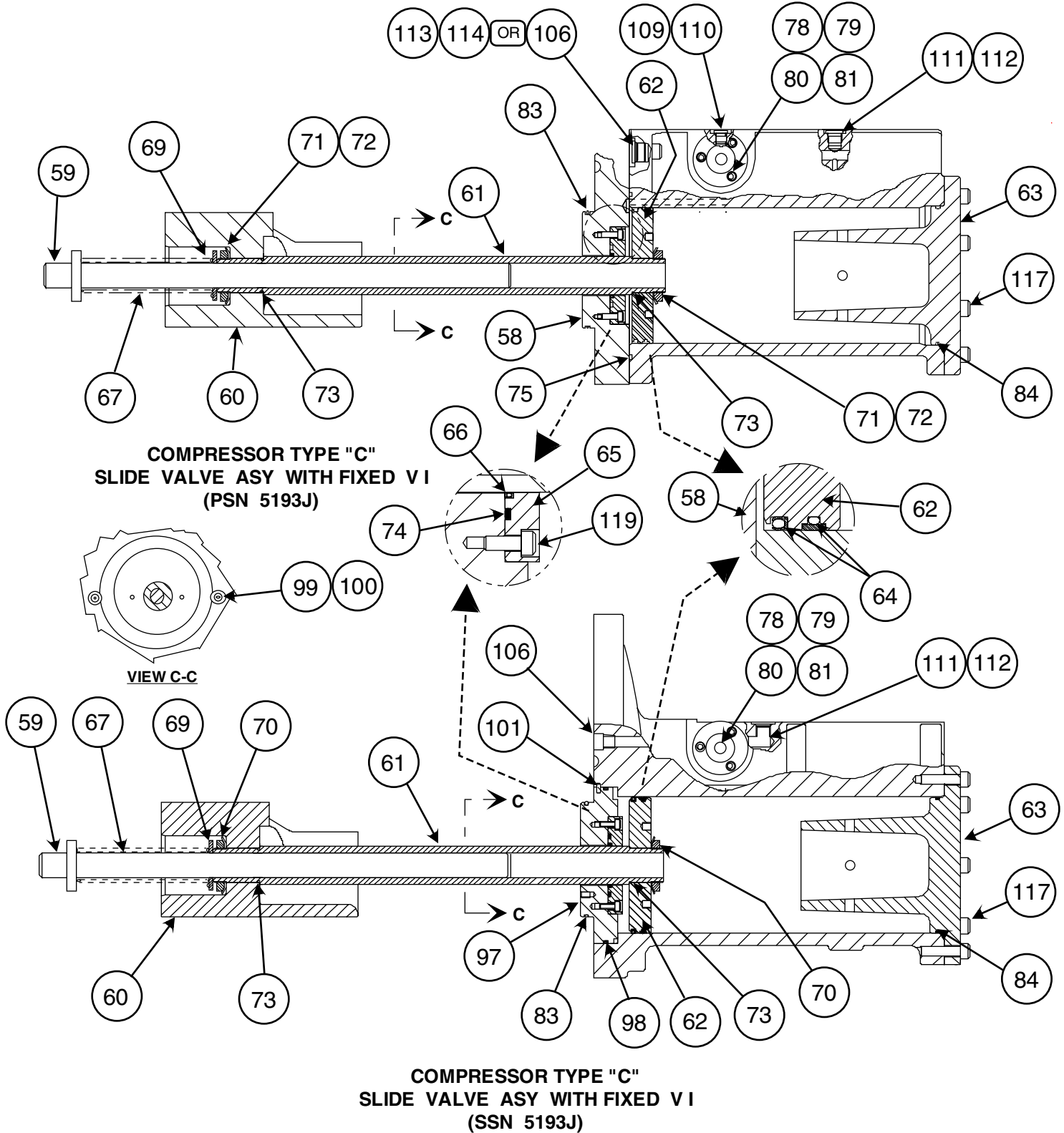
Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 12

Litho in U.S.A





Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

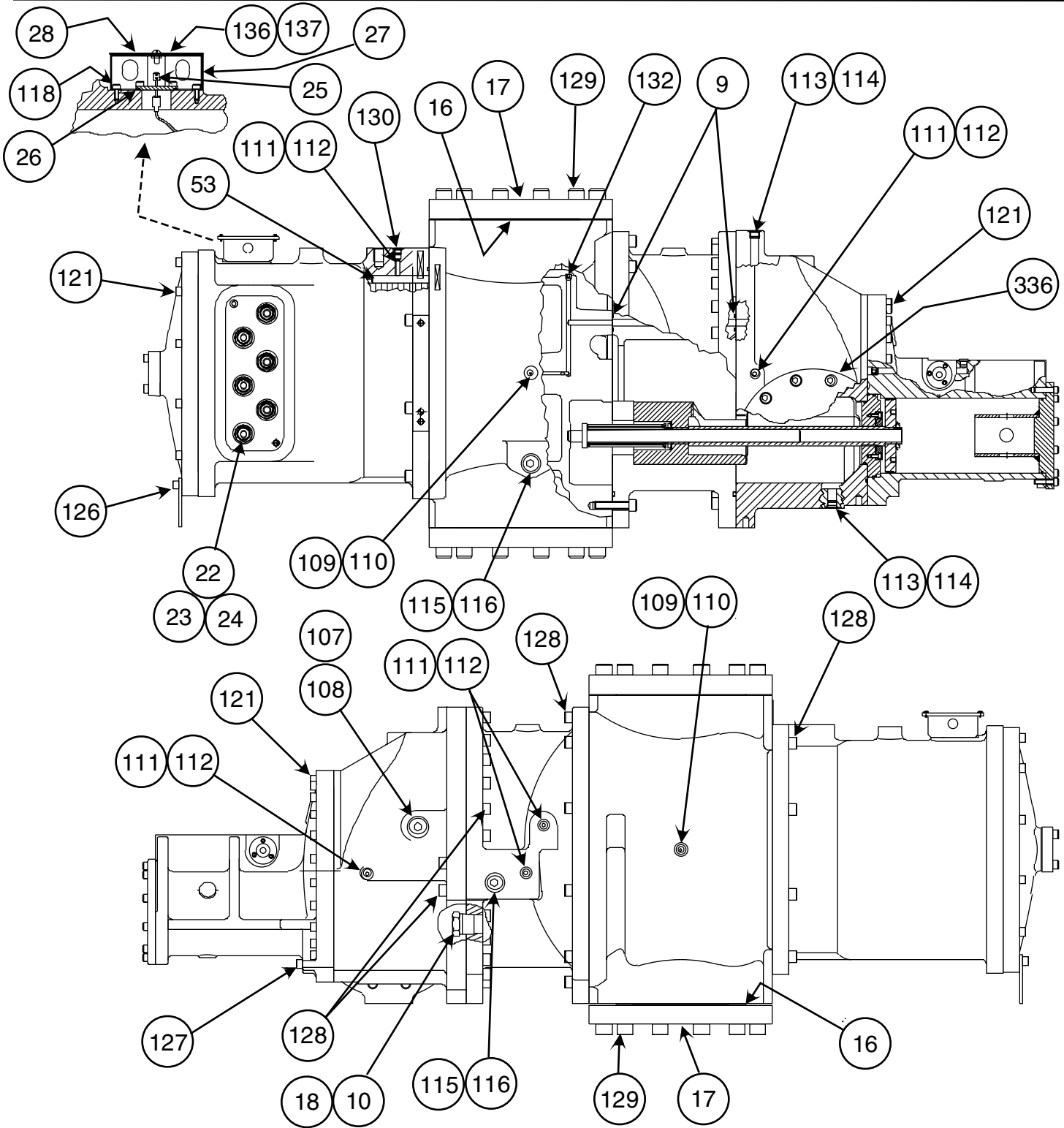
Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 13

Litho in U.S.A

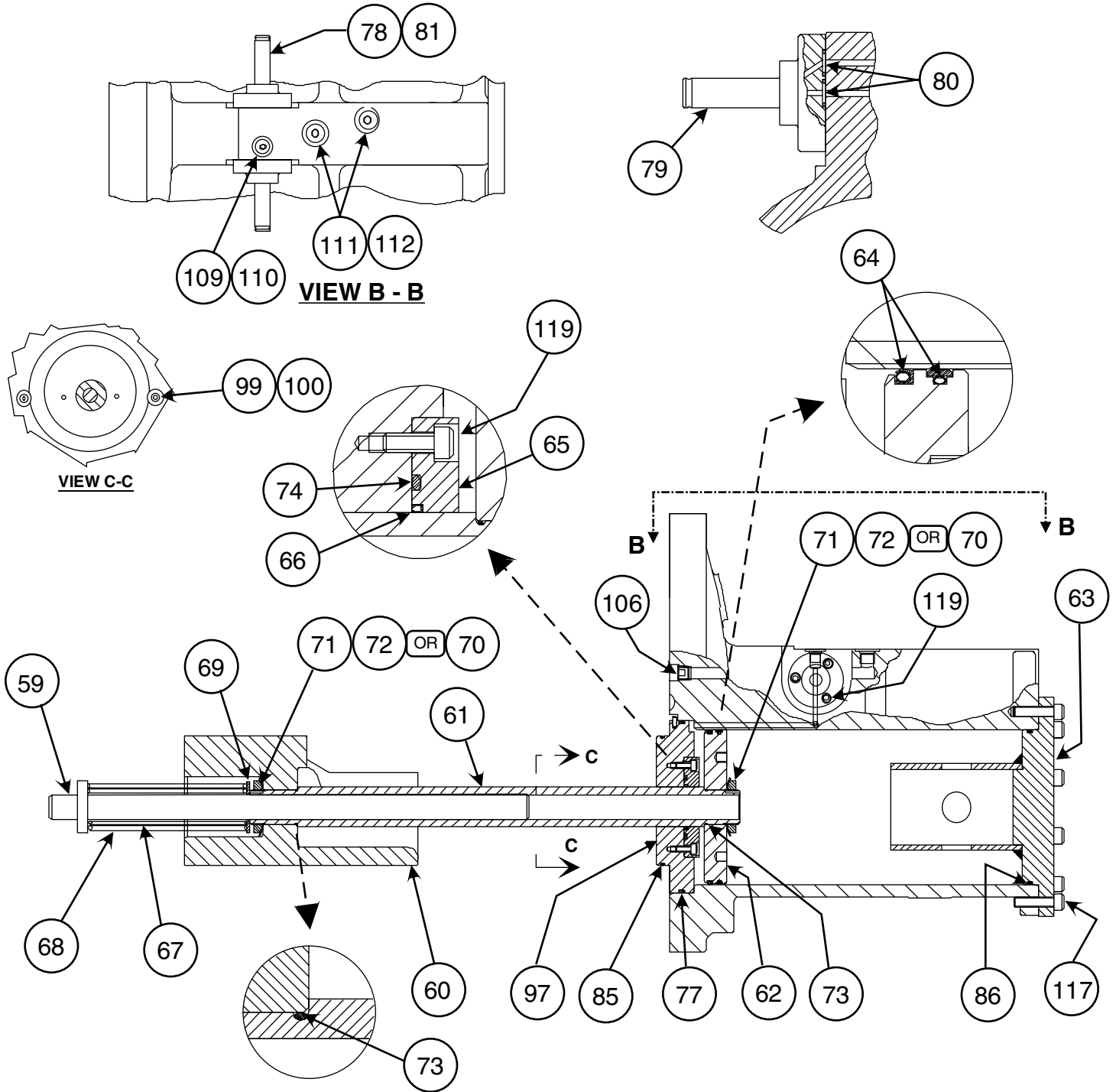




**COMPRESSOR "D" TYPE
FIXED V.I. SHOWN**

Graphics Catalog
 Catalog No: RCD-3523-004 (9/99) Rev.
 Supersedes: RCD-3523-003 & 23.002 Rev.
 Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 14
 Litho in U.S.A



**COMPRESSOR TYPE "D"
SLIDE VALVE ASY WITH FIXED V1**

Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

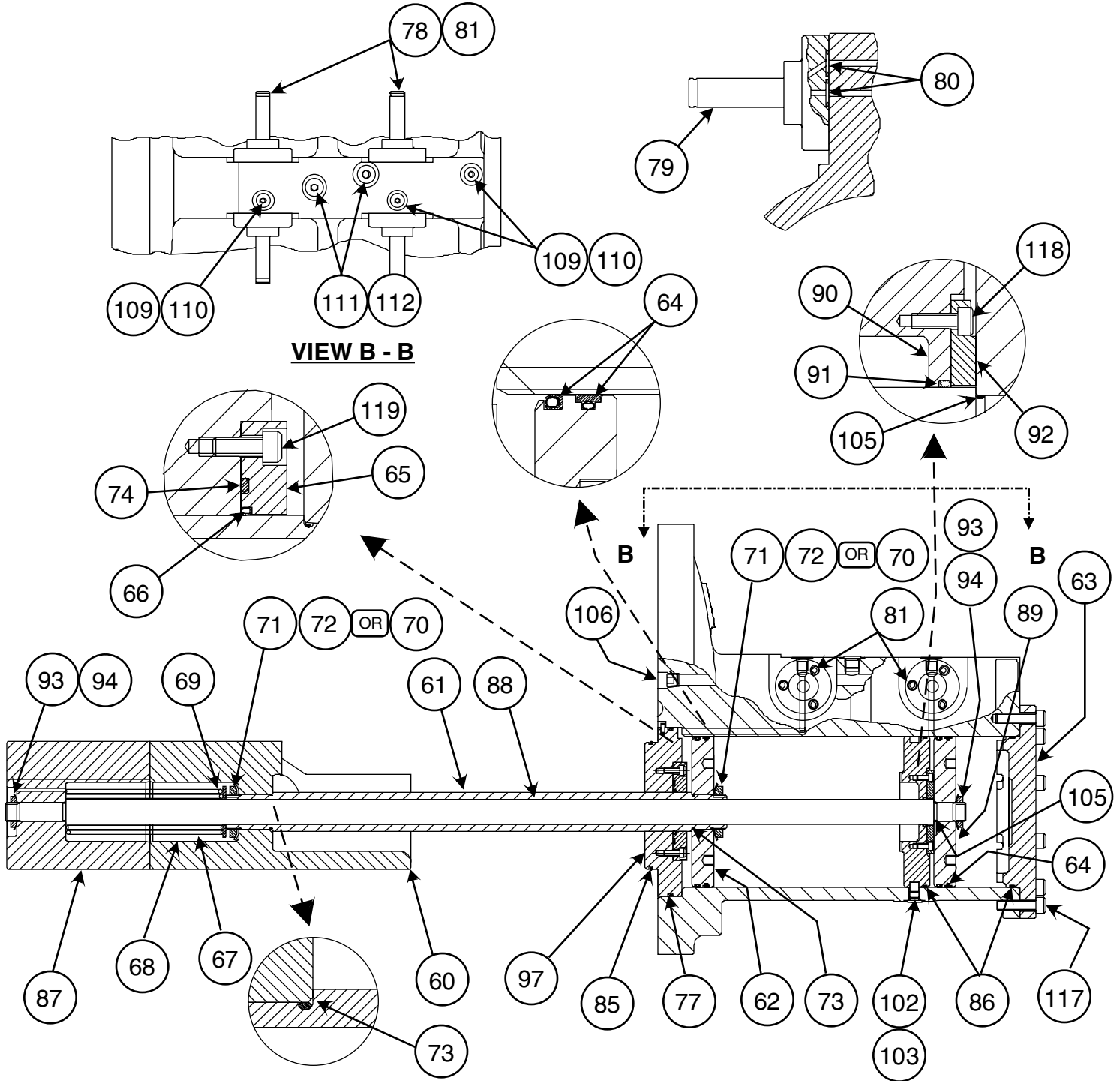
Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 15

Litho in U.S.A





**COMPRESSOR TYPE "D"
SLIDE VALVE ASY WITH VARIABLE V I**

Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

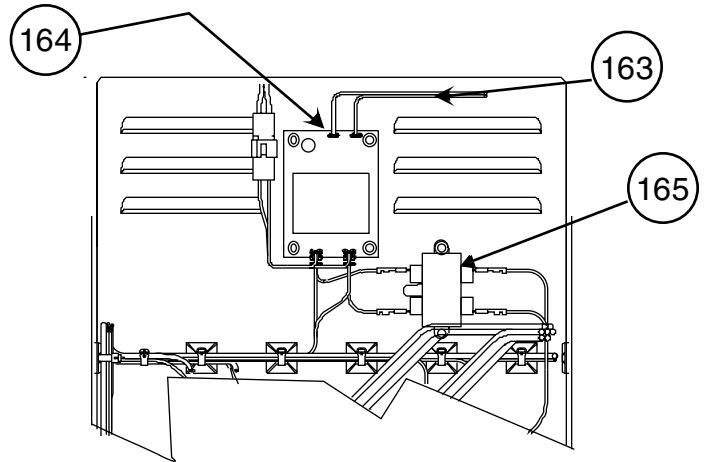
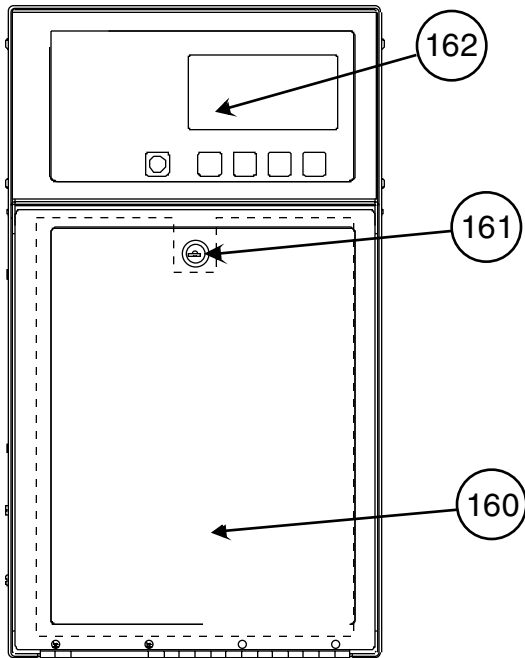
Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 16

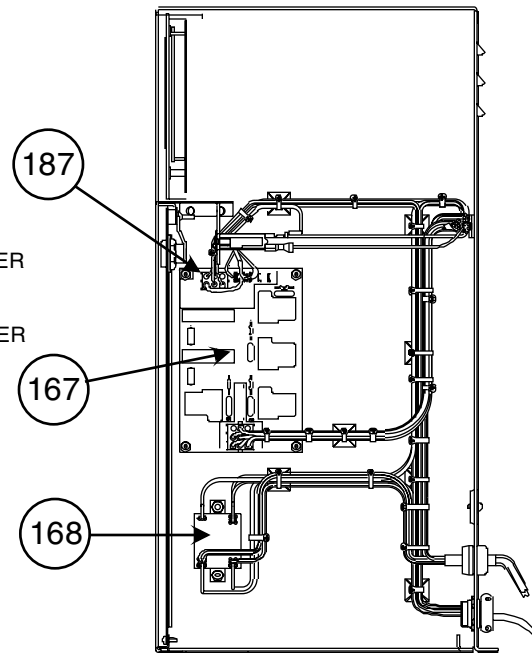
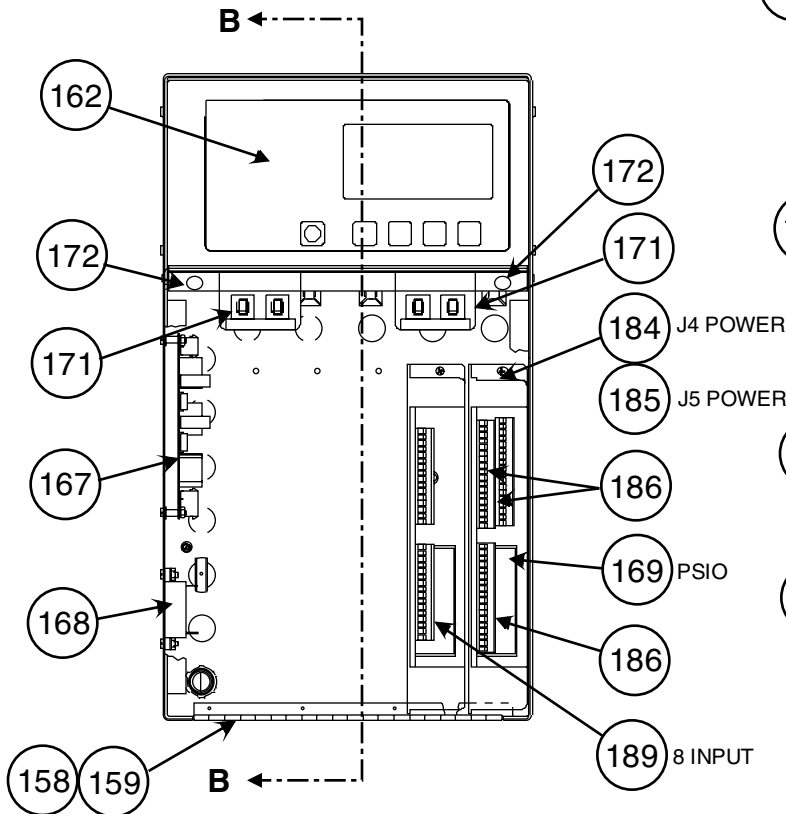
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LID LIGHT PARTS (PSN 3596J)

- 175 10K RESISTOR
- 174 7 WIRE HARNESS
- 177 3.3K RESISTOR
- 179 THRU 183 CABLES
- 173 15 WIRE HARNESS
- 190 TEMP. SENSOR CABLES



SECTION B - B

FRAME 1, 2 OR 4 MACHINE PIC I CONTROL PANEL 157

Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

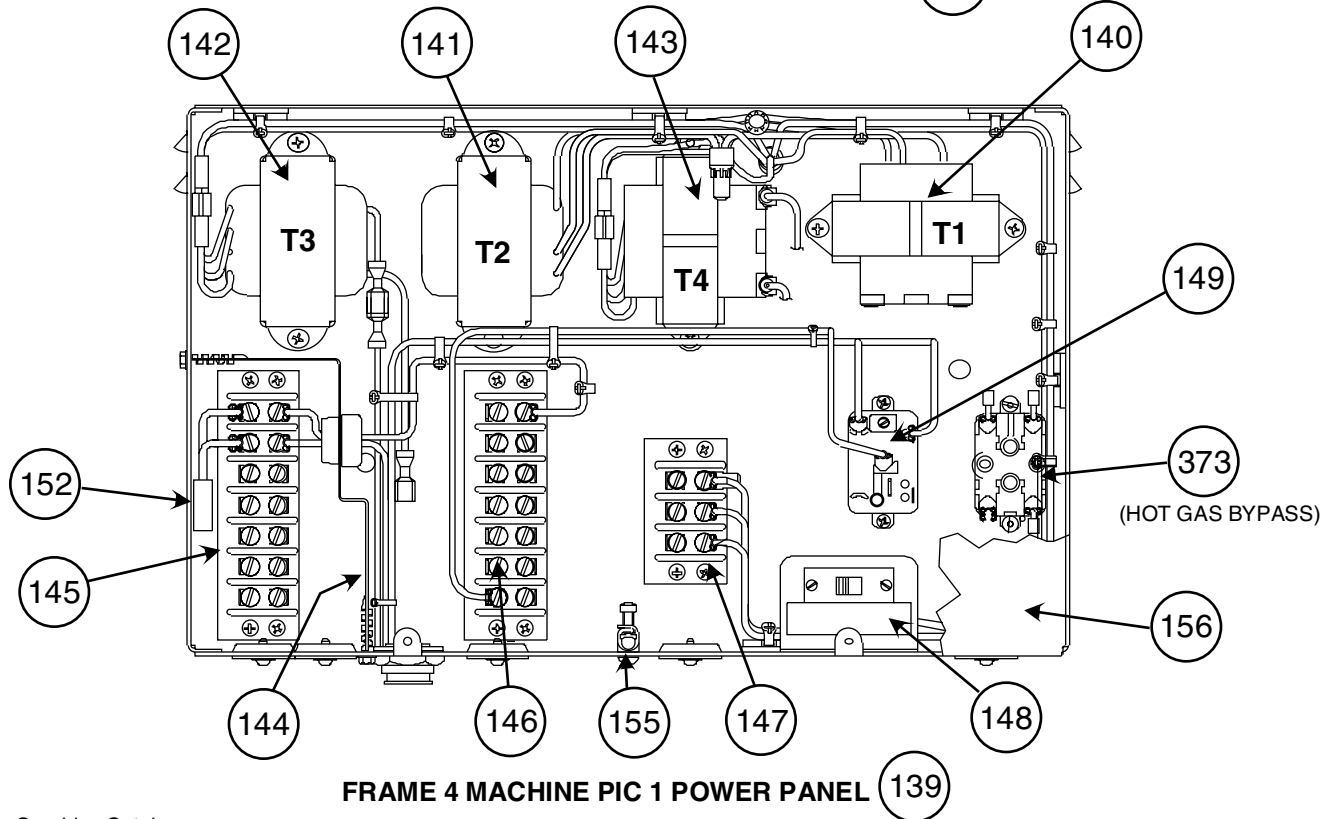
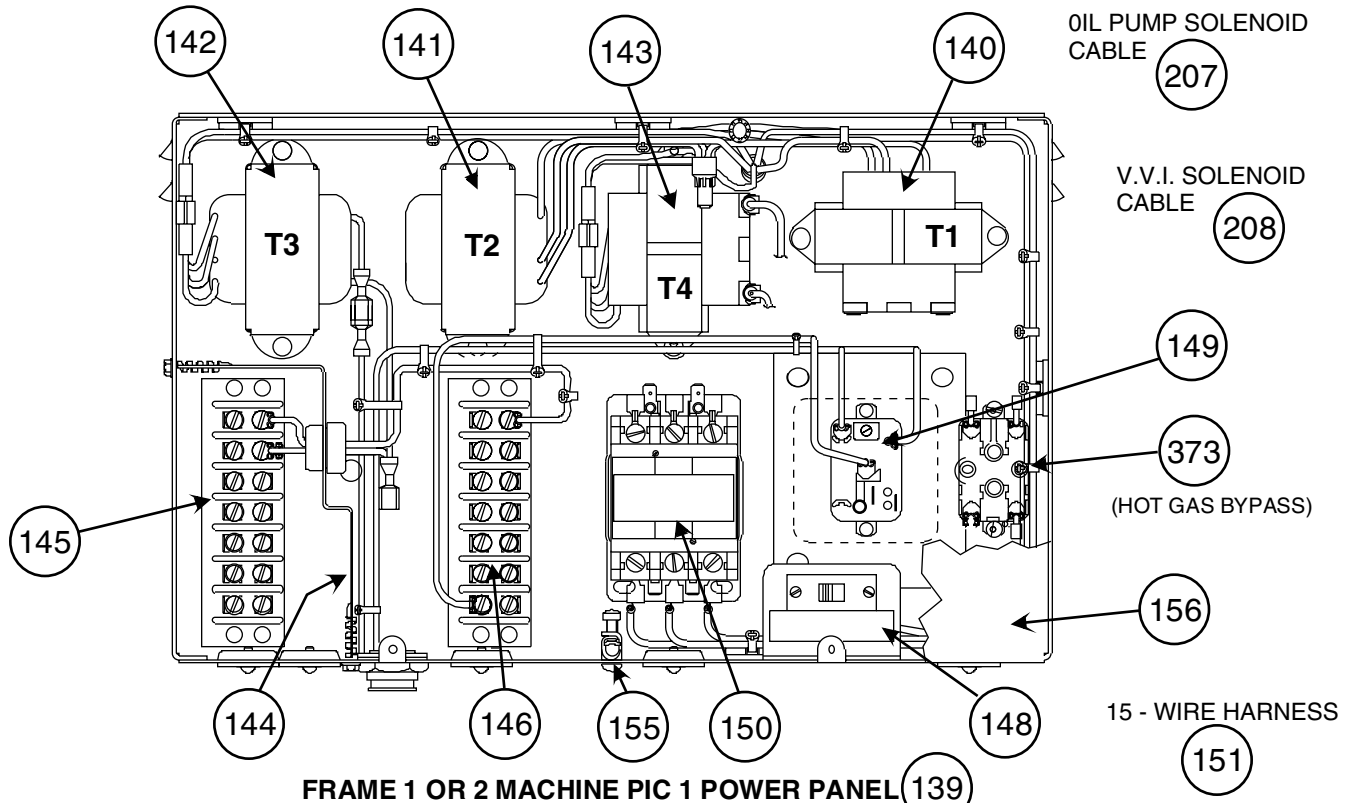
Graphics Page: 17

Litho in U.S.A



**HERMETIC SCREW LIQUID
CHILLER (R22 & R134A)
WITH PIC I OR PIC II CONTROLS**

23XL



Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

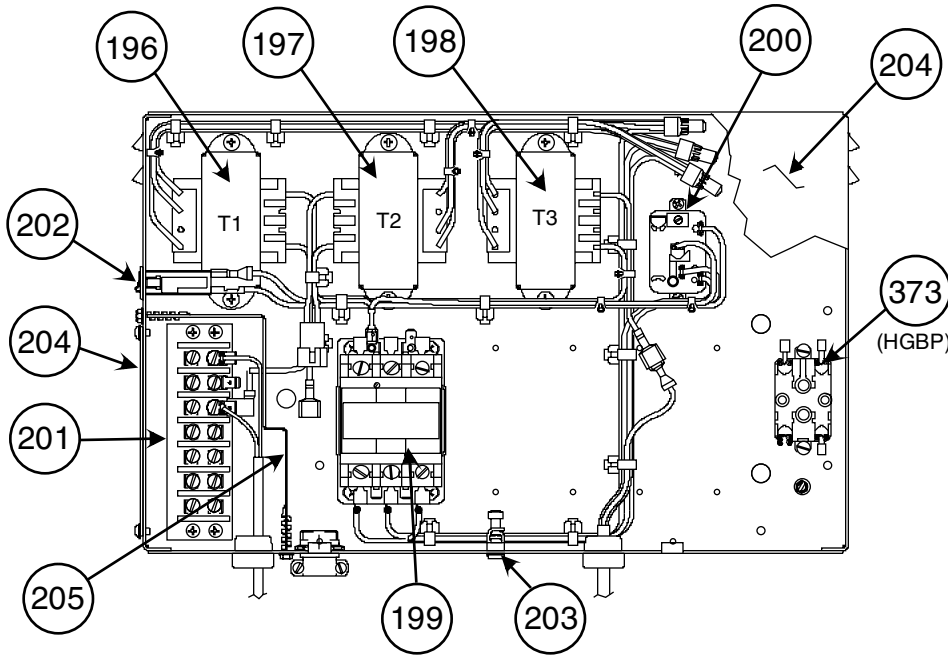
Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

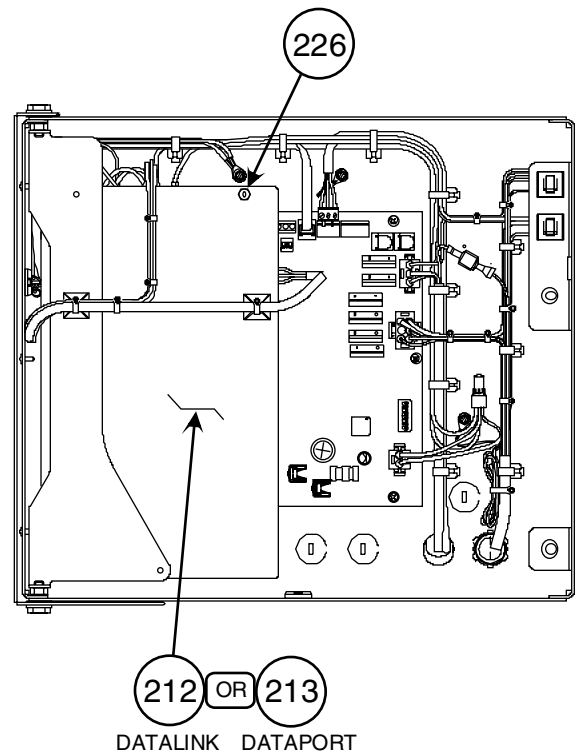
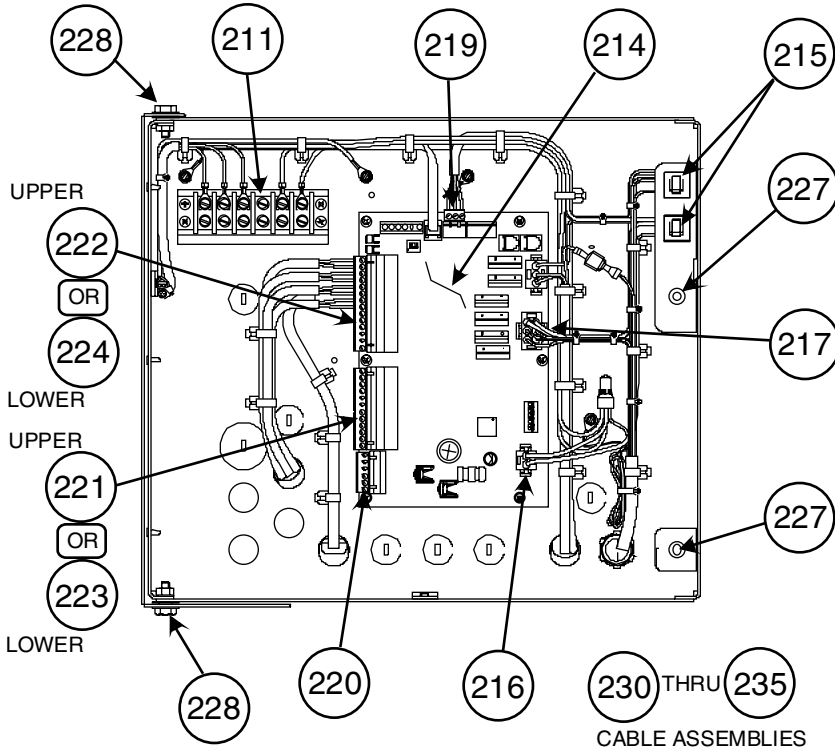
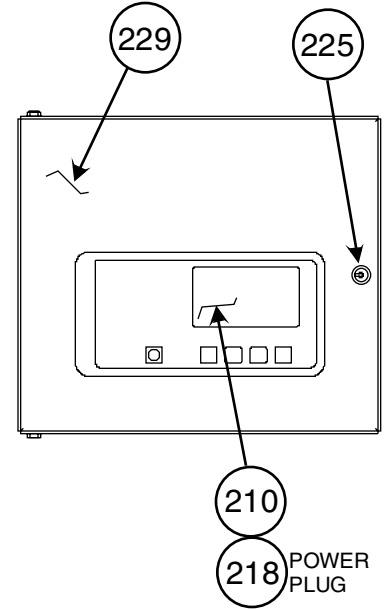
Graphics Page: 18

Litho in U.S.A





**FRAME 1, 2 & 4 MACHINE, PIC II POWER PANEL 195
SHOWN WITH ALL OPTIONS**



FRAME 1, 2 & 4 MACHINE PIC II CONTROL PANEL 209

Graphics Catalog

Catalog No: RCD-3523-004 (9/99) Rev.

Supersedes: RCD-3523-003 & 23.002 Rev.

Note: See "Catalog Notes" on last page for explanation of symbolism.

Graphics Page: 19

Litho in U.S.A





HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
TO DETERMINE COMPRESSOR TYPE REFER TO COMPRESSOR SERIAL NUMBER					
"H" IN THE 9TH POSITION = HOWDEN OR "G" IN 9TH POSITION = INGERSOLL.					
COMPRESSOR GROUP					
1	MATCHED ROTOR SET	23XL660008	->	23XL660002	->
	NOTE: INCLUDES ITEM 2.				
2	MALE & FEMALE ROTORS	NOT SOLD SEPARATE	->	->	->
3	O-RING (365 X 5 MM)	(2) 8TC0116C	(2) ->	(2) ->	(2) ->
4	O-RING (443 X 7 MM)	8TC0115C	->	->	->
5	O-RING (393 X 7 MM)	8TC0116C	->	->	->
6	O-RING (308 X 5 MM)	8TC0117C	->	->	->
7	O-RING (94 X 3 MM)	(2) 8TC0155C	(2) ->	(2) ->	(2) ->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED. DO NOT REPLACE.				
8	O-RING (215 X 7 MM)	8TC0344C	->	->	->
9	O-RING (25 X 4 MM)	(2) 8TC0151C	(2) ->	(2) ->	(2) ->
10	O-RING (37 X 3 MM)	(2) 8TC0208C	(2) ->	(2) ->	(2) ->
11	O-RING (431 X 5 MM)	X	X	X	X
12	O-RING (494 X 7 MM)	X	X	X	X
13	O-RING (456 X 7 MM)	X	X	X	X
14	O-RING (350 X 5 MM)	X	X	X	X
15	O-RING (104 X 3 MM)	X	X	X	X
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED. DO NOT REPLACE.				
16	O-RING (253 X 7 MM)	X	X	X	X
17	COVER,SUCTION	(2) 1TC0248C	(2) ->	(2) ->	(2) ->
18	VALVE,RELIEF (1-5/8 X 12)	(2) FB51ZH452	(2) ->	(2) ->	(2) ->
19A	MOTOR (400/460-3-50/60)	5T2BGH21	5T2CGH21	->	5T2DGH21
19B	MOTOR (208/230-3-60)	5T2BGY21	5T2CGY21	->	5T2DGY21
19C	MOTOR (575-3-60)	5T2BGJ21	5T2CGJ21	->	5T2DGJ21
19D	MOTOR (345/400-3-50/60)	5T2BGT21	5T2CGT21	->	5T2DGT21
20	SENSOR,MOTOR WINDING (RTD)	(2) 32MP500354	(2) ->	(2) ->	(2) ->
21	SPACER,MOTOR	1TC0157D	1TC0158D	->	X
22	TERMINAL PIN	(6) HY85AA062	(6) ->	(6) ->	(6) ->
23	O-RING,TERMINAL PIN	(6) KK71EW914	(6) ->	(6) ->	(6) ->
24	WASHER,SPRING	(6) AU51AS543	(6) ->	(6) ->	(6) ->
25	HERMETIC TERMINAL	HY85FP022	->	->	->
26	O-RING,HERMETIC TERMINAL	KK71EW128	->	->	->
27	BOX,JUNCTION	HX22FB053	->	->	->
28	COVER,JUNCTION BOX	HX02FB050	->	->	->
29	KEY,ROTOR	1TC0267C	->	->	->
30	PLATE WASHER,ROTOR	1TC0400C	->	->	->
31	LOCKWASHER,ROTOR	6TC0065C	->	->	->
32	HEAT SHRINK TUBING	(3) LF35MM112	(3) ->	(3) ->	(3) ->
33	GASKET,MOTOR COOLING CONN. (4 BOLT)	7TC0189C	->	->	->
34	PLUG,ORIFICE	1TC0044C	->	->	->
35	PLUG,ORIFICE (FEMALE)	1TC0052C	->	->	->
36	BEARING,FEMALE ROTOR	8TC0077C	->	->	->
37	BEARING,MALE ROTOR	8TC0078C	->	->	->
38	SLEEVE,FEMALE ROTOR	1TC0028C	->	->	->
39	SLEEVE,MALE ROTOR	1TC0404D	1TC0027C	->	->
40	BEARING,POLAMIDE CAGE	(2) 8TC0076C	(2) ->	(2) ->	(2) ->
41	SPACER,BEARING INNER	(2) 1TC0037C	(2) ->	(2) ->	(2) ->
42	SPACER,BEARING,OUTER	(2) 1TC0030C	(2) ->	(2) ->	(2) ->
43	SPACER,MALE ROTOR	1TC0397C	->	->	->
44	SPACER,FEMALE ROTOR	1TC0038C	->	->	->
45	ORIFICE RING	(2) 1TC0143D	(2) ->	(2) ->	(2) ->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED. DO NOT REPLACE.				

PARTS LIST CATALOG

PARTS LIST PAGE: 001

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20		23XL-----C21		23XL-----C40		23XL-----C41	
		INGERSOLL		INGERSOLL		INGERSOLL		INGERSOLL	
COMPRESSOR GROUP									
46	ROLL PIN (3 X 8 MM)	(2)	8TC0070C	(2)	->	(2)	->	(2)	->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.								
47	BEARING RETAINER	(2)	1TC0067C	(2)	->	(2)	->	(2)	->
48	WASHER, SPRING	(2)	8TC0073C	(2)	->	(2)	->	(2)	->
49	BALL BEARING, POLYAMIDE CAGE	(5)	8TC0074C	(5)	->	(5)	->	(5)	->
50	BALL BEARING, BRASS CAGE		8TC0391C		->		->		->
51	O-RING, DISCHARGE (190 X 7 MM)		8TC0343C		->		->		->
52	SPACER, MALE INLET		1TC0249C		->		->		->
53	KEY, STATOR		1TC0066C		->		->		->
54	DOWEL PIN, ROUND (19 X 57 MM)	(3)	8TC0244C	(3)	->	(3)	->	(3)	->
55	DOWEL PIN, DIAMOND (19 X 57 MM)	(3)	1TC0245C	(3)	->	(3)	->	(3)	->
56	DOWEL PIN, ROUND (12 X 32 MM)		8TC0246C		->		->		->
57	DOWEL PIN, DIAMOND (12 X 32 MM)		1TC0247C		->		->		->
58	SEPERATOR PLATE (PSN 5193JXXXX)		1TC0282D		->		->		->
59	RETAINER, SPRING		1TC0228C		X		1TC0228C		X
60	SLIDE VALVE (IMPORTANT! SEE NOTE)		1TC0363D		->		1TC0238D		->
61	SLIDE ROD, CAPACITY (SEE NOTE!!!!)		1TC0448C		->		->		->
	NOTE: IF REPLACING SLIDE ROD ON D40 & D60 MACHINES BUILT PRIOR TO 4/97 OR ANY OTHER MACHINE BUILT PRIOR TO 10/97 REFER TO S.B. C9908.								
62	PISTON, SLIDE VALVE (35MM)		1TC0033C		->		->		->
63A	COVER, SLIDE VALVE		X		X		X		X
63B	COVER, SLIDE VALVE (PSN 5093J)		1TC0295C		1TC0026C		1TC0295C		1TC0026C
63C	COVER, SLIDE VALVE (SSN 5193J)		1TC0440C		1TC0442C		1TC0440C		1TC0442C
64	GUIDE/SEAL ASSEMBLY		8TC0053C	(2)	->		->	(2)	->
65	SLIDE SEAL ADAPTER		1TC0226C		->		->		->
66	SEAL RING		8TC0057C		->		->		->
67	SPRING, UNLOADER (INNER)		8TC0137C		->		->		->
68	SPRING, UNLOADER (OUTER)		X		X		X		X
69	WASHER		8TC0145C		->		->		->
69A	SPACER		X		1TC0471C		X		1TC0471C
70	COLLAR, LOCKING (35MM)	(2)	KT51HZ100	(2)	->	(2)	->	(2)	->
71A	LOCKNUT (35MM)	(2)	8TC0048C	(2)	->	(2)	->	(2)	->
71B	LOCKNUT, ADJUSTABLE (35MM) (SSN 5096V)		X		X		X		X
71C	LOCKNUT (35MM) (PSN 5196V)		X		X		X		X
	NOTE: FOR MORE INFORMATION REFER TO SERVICE BULLETIN C9908.								
72	LOCKWASHER	(2)	8TC0051C	(2)	->	(2)	->	(2)	->
73	O-RING (REF. ONLY, DO NOT REPLACE)	(2)	NOT REQUIRED	(2)	->	(2)	->	(2)	->
74	O-RING (57 X 3.5 MM)		KK71EW228		->		->		->
75A	O-RING (165 X 3.5 MM) (PSN 5093J)		8TC0119C		->		->		->
75B	O-RING (SSN 5093J)		8TC0418C		->		->		->
76	O-RING (REF. ONLY DO NOT REPLACE)		NOT REQUIRED		->		->		->
77	O-RING (165 X 3.5 MM)		X		X		X		X
78	CAPACITY CONTROL VALVE PACKAGE	(2)	23XL660001	(2)	->	(2)	->	(6)	->
	NOTE: INCLUDES ITEMS 79 - 81.								
79	VALVE, CAPACITY CONTROL		2TC0025D		->		->		->
80	O-RING (8 X 2.5 MM)	(2)	8TC0154C	(2)	->	(2)	->	(2)	->
81	SCREW, SOCKET HEAD	(3)	8TC0092C	(3)	->	(3)	->	(3)	->
82	SOLENOID COIL (24V)	(2)	P510-AMG/24V	(2)	->	(2)	->	(2)	->
	NOTE: SOLENOID COIL NOT SOLD IN CAPACITY CONTROL PACKAGE, MUST BE ORDERED SEPARATELY.								
83	O-RING (111 X 3.5 MM)		KK71EW245		->		->		->
84A	O-RING (137 X 3.5 MM) (PSN 5093J)		8TC0120C		->		->		->
84B	O-RING (SSN 5193J)		KK71EW252		->		->		->
85	O-RING (123.5 X 3.5 MM)		X		X		X		X

PARTS LIST CATALOG

PARTS LIST PAGE: 002

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
COMPRESSOR GROUP					
86	O-RING (149 X 3.5 MM)	X	X	X	X
87A	VALVE STOP (PSN 5093J)	X	1TC0229D	X	1TC0229D
87B	VALVE STOP (SSN 5193J)	X	1TC0472D	X	1TC0472D
88A	SLIDE ROD \ VI	X	1TC0029C	X	1TC0029C
88B	SLIDE ROD \ VI (PSN 5093J)	X	X	X	X
88C	SLIDE ROD \ VI (SSN 5193J)	X	X	X	X
89	PISTON,SLIDE VALVE (20MM)	X	1TC0032C	X	1TC0032C
90A	CYLINDER STOP	X	X	X	X
90B	CYLINDER STOP (PSN 5093J)	X	1TC0428D	X	1TC0428D
90C	CYLINDER STOP (SSN 5093J)	X	1TC0415D	X	1TC0415D
91	SEAL RING	X	8TC0056C	X	8TC0056C
92	RETAINER,SLIDE SEAL	X	1TC0201C	X	1TC0201C
93	LOCKNUT (M20)	X	(2) 8TC0047C	X	(2) 8TC0047C
94	LOCKWASHER (M20)	X	(2) 8TC0050C	X	(2) 8TC0050C
95	RING,SNAP	X	(2) 8TC0138C	X	(2) 8TC0138C
96	O-RING (139 X 4 MM) (PSN 5193J)	X	8TC0237C	X	8TC0237C
97	PLUG,SLIDE CASING (SSN 5193J)	1TC0417D	->	->	->
98	O-RING (152 X 3.5MM) (SSN 5193J)	8TC0418C	->	->	->
99	WASHER (SSN 5193J)	(2) 8TD0206C	(2) ->	(2) ->	(2) ->
100	SCREW,BUTTON (SSN 5193J)	(2) 8TD0207C	(2) ->	(2) ->	(2) ->
101	DOWEL PIN (SSN 5193J)	8TD0208C	->	->	->
102	LOCKING PLUG,CYL. STOP (SSN 5193J)	X	8TD0122C	X	8TD0122C
103	O-RING,CYLINDER STOP LOCKING PLUG	X	KK71EW904	X	KK71EW904
104	O-RING (133 X 4 MM) (SSN 5193J)	KK71EW252	->	->	->
105	O-RING (17 X 2 MM)	X	X	X	X
106	PIPE PLUG (1/4 NPTF)	CA64AT051	->	->	->
107	HOLLOW HEX PLUG (1-3/16-12)	X	X	X	X
	NOTE: INCLUDES ITEM 108.				
108	O-RING,1-3/16 HOLLOW HEX PLUG	X	X	X	X
109	HOLLOW HEX PLUG (7/16-20)	(4) 8TC0106C	(4) ->	(4) ->	(4) ->
	NOTE: INCLUDES ITEM 110.				
110	O-RING,7/16 HOLLOW HEX PLUG	(4) KK71EW904	(4) ->	(4) ->	(4) ->
111	HOLLOW HEX PLUG (9/16-18)	(2) 8TC0107C	(2) ->	(2) ->	(2) ->
	NOTE: INCLUDES ITEM 112.				
112	O-RING,9/16 HOLLOW HEX PLUG	(2) KK71EW906	(2) ->	(2) ->	(2) ->
113	HOLLOW HEX PLUG (3/4-16)	(2) 8TC0108C	(2) ->	(2) ->	(2) ->
	NOTE: INCLUDES ITEM 114.				
114	O-RING,3/4 HOLLOW HEX PLUG	(2) KK71EW908	(2) ->	(2) ->	(2) ->
115	HOLLOW HEX PLUG (1-1/16-12)	(3) 8TC0109C	(3) ->	(3) ->	(3) ->
	NOTE: INCLUDES ITEM 116.				
116	O-RING,1-1/16 HOLLOW HEX PLUG	(3) KK71EW912	(3) ->	(3) ->	(3) ->
	NOTE: HARDWARE USED TO ASSEMBLE COMPRESSOR ARE METRIC. HARDWARE USED ON OTHER MACHINE COMPONENTS ARE ENGLISH.				
117	SOCKET HEAD CAPSCREW (M10-1.5 X 40)	(18) 8TC0094C	(18) ->	(18) ->	(18) ->
118	SOCKET HEAD CAPSCREW (M5-0.8 X 12)	(6) 8TC0091C	(6) ->	(6) ->	(6) ->
119	SOCKET HEAD CAPSCREW (M6-1 X 16)	(4) 8TC0092C	(4) ->	(4) ->	(4) ->
120	SOCKET HEAD CAPSCREW (M12-1.75 X 40)	(4) 8TC0096C	(4) ->	(4) ->	(4) ->
121	SOCKET HEAD CAPSCREW (M12-1.75 X 50)	(18) 8TC0097C	(18) ->	(18) ->	(18) ->
122	SOCKET HEAD CAPSCREW (M12-1.75 X 60)	(2) 8TC0098C	(2) ->	(2) ->	(2) ->
123	SOCKET HEAD CAPSCREW (M12-1.75 X 80)	(4) 8TC0099C	(4) ->	(4) ->	(4) ->
124	SOCKET HEAD CAPSCREW (M16-2 X 55)	(30) 8TC0100C	(30) ->	(30) ->	(30) ->
125	SOCKET HEAD CAPSCREW (MM20-2.5 X 70)	(24) 8TC0101C	(24) ->	(24) ->	(24) ->
126	SOCKET HEAD CAPSCREW (M12-1.75 X 70)	X	X	X	X
127	SOCKET HEAD CAPSCREW (M12-1.75 X 90)	X	X	X	X

PARTS LIST CATALOG

PARTS LIST PAGE: 003

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISH.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
COMPRESSOR GROUP					
128	SOCKET HEAD CAPSCREW (M16-2 X 70)	X	X	X	X
129	SOCKET HEAD CAPSCREW (M22-2.5 X 80)	X	X	X	X
130	SOCKET HEAD SET SCREW(M10-1.5 X 30)	8TC0089C	->	->	->
131	SOCKET HEAD CAPSCREW (M12-1.75 X 75)	X	X	X	X
132	PIPE PLUG (1/8 NTPF)	(2) CA64AA001	(2) ->	(2) ->	(2) ->
133	HEX HEAD CAPSCREW (M10-1.5 X 50)	8TC0104C	->	->	->
134	HEX HEAD CAPSCREW (M10-1.5 X 35)	8TC0103C	->	->	->
135	SHIM PACKAGE	23XL660005	->	->	->
NOTE: SHIM PACKAGE CONTAINS 8 SHIMS IN 3 THICKNESSES. NO MORE THAN 3 SHIMS ARE TO BE USED TO OBTAIN REQUIRED CLEARANCE.					
136	SCREW,THREAD FORMING	(2) 8TC0294C	(2) ->	(2) ->	(2) ->
137	WASHER,EXTERNAL (LOCKTOOTH)	(2) AU27AS131	(2) ->	(2) ->	(2) ->
138	VALVE PAD (BLANK-OFF) PIC CONTROLS	8TC0141C	->	->	->
139A	POWER PANEL ASY (BASIC,PIC I)	23XL04000201	->	->	->
139B	POWER PANEL ASY (W/OPTIONS,PIC I)	23XL04000202	->	->	->
139C	POWER PANEL ASY (W/VI,PIC I)	23XL04000203	->	->	->
139D	POWER PANEL ASY (W/OPTIONS & VI,PIC I)	23XL04000204	->	->	->
NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED. INCLUDES ITEMS 140 - 155.					
140	TRANSFORMER (T1)	HT01BD113	->	->	->
141	TRANSFORMER (T2)	HT01AW235	->	->	->
142	TRANSFORMER (T3) (W/VI PANEL)	HT01AW235	->	->	->
143	TRANSFORMER (T4) (W/OPTIONS PANEL)	HT01BD113	->	->	->
144	BARRIER,10-VOLT	19XB05000401	->	->	->
145	BLOCK,TERMINAL (A - 51)	19XB05002301	->	->	->
146	BLOCK,TERMINAL (1 - 7)	23XL05000501	->	->	->
147	BLOCK,TERMINAL (21-23)	X	X	X	X
148	SWITCH,VOLTAGE SELECTOR	HR67ZZ125	->	->	->
149	RELAY (W/VI)	HN61KQ120	->	->	->
150	CONTACTOR (OIL HEATER)	HN53CD024	->	->	->
150A	AUXILIARY CONTACTOR,SIDE MOUNT	HN53AB035	->	->	->
151	WIRE HARNESS (15 WIRE)	23XL04000401	->	->	->
152	SNUBBER ASY	X	X	X	X
153 N	PLUG,MOLEX (3 CIRCUIT)	(2) HY06MP081	(2) ->	(2) ->	(2) ->
154 N	RECEPTACLE,MOLEX (3 CIRCUIT)	(2) HY07MP081	(2) ->	(2) ->	(2) ->
155	GROUND LUG	HY90HR001	->	->	->
156	COVER,POWER PANEL (W/SCHEMATIC)	23XL04003201	->	->	->
157A	CONTROL PANEL ASY (BASIC,PIC I)	23XL04006701	->	->	->
157B	CONTROL PANEL ASY (W/OPTIONS,PIC I)	23XL04006702	->	->	->
157C	CONTROL PANEL ASY (W/VI,PIC I)	23XL04006701	->	->	->
157D	CONTROL PANEL ASY (W/OPTIONS & VI,PIC I)	23XL04006702	->	->	->
NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED. INCLUDES ITEMS 158 - 187.					
158 N	PANEL ASY	19XB04000401	->	->	->
NOTE: INCLUDES ITEM 159.					
159	HINGE	19XB05001201	->	->	->
160	DOOR PANEL ASY	19EX04000501	->	->	->
161	LOCK,CAM (W/KEYS)	KA19NL010	->	->	->
162	LID ASSEMBLY (PIC I)	CES0130036	->	->	->
163	LIGHT ASSEMBLY (PSN 3596J)	HY19AD005	->	->	->
164	POWER SUPPLY (PSN 3596J)	HK35AA006	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 004

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PIC CONTROLS					
165	FILTER,RFI (PSN 3596J)	HK992Z003	->	->	->
166	LID BATTERY (REFER TO SB C9623)	CECD120803-01	->	->	->
167	BOARD,RELAY (6 PACK)	HK35AA003	->	->	->
168	POWER SUPPLY (5 VDC)	HK35AA002	->	->	->
169	MODULE ASY (PSIO)	23XL04007215	->	->	->
170	PSIO BATTERY (REFER TO SB C9623)	CECD120803-01	->	->	->
171	BREAKER,CIRCUIT (CB1 -CB4)	(4) HH83ZB001	(4) ->	(4) ->	(4) ->
172	BUMPER,RUBBER	(2) KA58MR001	(2) ->	(2) ->	(2) ->
173	WIRE HARNESS (15 WIRE)	23XL04001601	->	->	->
174	WIRE HARNESS (7 WIRE)	23XL04001501	->	->	->
175	WIRE ASSEMBLY,RESISTOR (10K)	19XB04003301	->	->	->
	NOTE: INCLUDES ITEM 176.				
176	RESISTOR (10K)	HT21A2110	->	->	->
177	WIRE ASSEMBLY,RESISTOR (3.3K)	X	X	X	X
	NOTE: INCLUDES ITEM 178.				
178	RESISTOR (3.3K)	X	X	X	X
179	CABLE,TRANSDUCER (VESSEL OIL PRESSUR	(3) 23XL660006	(3) ->	(3) ->	(3) ->
	NOTE: INCLUDES ITEMS 180 - 181.				
180	CONNECTOR,CABLE	30GT510011	->	->	->
181	TERMINAL,PIN	(3) 30GT510010	(3) ->	(3) ->	(3) ->
182	CABLE ASY,SENSOR(COMPR. ROTOR TEMP.)	HH79NZ064	->	->	->
183	CABLE ASY,SENSOR (OIL SUMP TEMP.)	HH79NZ064	->	->	->
184	CONNECTOR PLUG (3 PIN)	HY84FE003	->	->	->
185	CONNECTOR PLUG (4 PIN)	HY84FE004	->	->	->
186	CONNECTOR PLUG (18 PIN)	(3) HY84FE021	(3) ->	(3) ->	(3) ->
187	CONNECTOR PLUG (6 PIN)	HY06MP106	->	->	->
188	SWITCH,HIGH PRESSURE CUTOFF	HK02ZA260	->	->	->
189	MODULE,INPUT (OPTIONS PANEL ONLY)	HK50AA006	->	->	->
190	CABLE ASY (TEMP. SENSORS)	(4) HH79NZ048	(4) ->	(4) ->	(4) ->
191	SENSORS,TEMPERATURE (W/B NOZZLES)	(4) HH79NZ047	(4) ->	(4) ->	(4) ->
192	TRANSDUCER,PRESS.(COOLER/COND./OIL)	(3) HK05YZ007	(3) ->	(3) ->	(3) ->
193	SENSOR,TEMP.(COMPR. ROTOR INLET/OIL)	HH79NZ059	->	->	->
194	STARTER MANAGEMENT MODULE (SMH)	CESD121319-01	->	->	->
PIC II CONTROLS GROUP					
195A	POWER PANEL ASY (W/OUT V.V.I)	23XL04007401	->	->	->
195B	POWER PANEL ASY (WITH V.V.I)	23XL04007402	->	->	->
	NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 196 - 208.				
196	TRANSFORMER (T1)	HT01AN235	->	->	->
197	TRANSFORMER (T2)	HT01AN235	->	->	->
198	TRANSFORMER (T3) (WITH V.V.I ONLY)	HT01AN235	->	->	->
199	CONTACTOR,OIL HEATER	HN53CD024	HN53CC024	->	->
200	RELAY (WITH V.V.I ONLY)	HN61KQ120	->	->	->
201	BOARD,TERMINAL	19XR05013101	->	->	->
202	BREAKER,CIRCUIT (WITH V.V.I ONLY)	HH83ZB001	->	->	->
203	GROUND LUG	HY90HR001	->	->	->
204	COVER,POWER PANEL	19XB05000301	->	->	->
205	COVER,LO-VOLTAGE ACCESS	19XR05008401	->	->	->
206	BARRIER,LO-VOLTAGE	19XB05000401	->	->	->
207	CABLE,OIL PUMP SOLENOID (2 WIRE)	23XL04004201	->	->	->
208	CABLE,V.V.I SOLENOID (3 WIRE)	23XL04002301	->	->	->
209A	CONTROL PANEL (PIC II STANDARD)	23XL04009001	->	->	->
209B	CONTROL PANEL (PIC II W/DATAPORT)	23XL04009002	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 005

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PIC II CONTROLS GROUP					
209C	CONTROL PANEL (PIC II W/DATALINK)	23XL04009003	->	->	->
	NOTE: MACHINES BUILT PRIOR TP S/N 1899J59743 HAVE PIC CONTROLS. AFTER S/N 2099J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 210 - 235.				
210	CONTROLLER, CHILLER VISUAL (CVC)	23XL04009801	->	->	->
211	BLOCK, TERMINAL	23XL05007901	->	->	->
212	MODULE, DATALINK	CEFA121549-02	->	->	->
213	MODULE, DATAPORT	CEPL130363-01	->	->	->
214	MODULE, CHILLER CONTROL (CCH)	CES0130038	->	->	->
215	BREAKER, CIRCUIT	(2) HH83ZB001	(2) ->	(2) ->	(2) ->
216	CONNECTOR (2 PIN)	HY06AM015	->	->	->
217	CONNECTOR (6 PIN)	HY06MP106	->	->	->
218	CONNECTOR (5 PIN)	HY07MP505	->	->	->
219	CONNECTOR (3 PIN)	HY84EE103	->	->	->
220	CONNECTOR (6 PIN)	HY84EE106	->	->	->
221	CONNECTOR (12 PIN)	HY84EE112	->	->	->
222	CONNECTOR (14 PIN)	HY84EE114	->	->	->
223	CONNECTOR (12 PIN)	HY84EE132	->	->	->
224	CONNECTOR (14 PIN)	HY84EE134	->	->	->
225	CAM LOCK (W/KEYS)	KA19NL010	->	->	->
226	SPACER #6-32 MALE/FEMALE	KA56CS092	->	->	->
227	RUBBER BUMPER	KA58MR001	->	->	->
228	BOLT, SHOULDER (SPECIAL)	(2) 19XR05007401	(2) ->	(2) ->	(2) ->
229	COVER, PANEL	19XR05007501	->	->	->
230	CABLE ASY, TRANSDUCER (3-WIRE 175")	19XB660006	->	->	->
231	CABLE ASY, TRANSDUCER (3-WIRE 205")	19XB660003	->	->	->
232	CABLE ASY, TRANSDUCER (3-WIRE 600")	19XB660008	->	->	->
233	CABLE ASY, SENSOR (2-WIRE 300")	HH79N2064	->	->	->
234	CABLE ASY (10-WIRE)	23XL04009401	->	->	->
235	CABLE ASY (SLIDE VALVE)	23XL04009501	->	->	->
236	SWITCH, HIGH PRESSURE CUTOFF	HK02ZA260	->	->	->
237	COIL ASY, SOLENOID (24V)	(4) P510-AMG/24V	(4) EF19ZE025	(4) ->	(4) ->
238	SENSOR, TEMPERATURE	(4) HH79N2047	(4) ->	(4) ->	(4) ->
239	TRANSDUCER, PRESSURE	(7) HK05YZ007	(7) ->	(7) ->	(7) ->
240	RELAY, PILOT (HGBP)	HH61KK324	->	->	->
241	SENSOR, THERMISTOR	HH79N2059	->	->	->
MACHINE ARRANGEMENT & PIPING					
241A	SWITCH, OIL LEVEL & OIL SUMP TEMP.	HK13LR009	->	->	->
	NOTE: REFER TO SERVICE BULLETIN C0121.				
PIC II CONTROLS GROUP					
242	MODULE, INTEGRATED STARTER (ISM)	CES0130037	->	->	->
242A	FUSE, ISM MODULE (1 AMP)	ATO-1	->	->	->
MACHINE ARRANGEMENT & PIPING					
243	EJECTOR	17EA0131572	->	->	->
244	GASKET, RING (6")	(3) 19XB55002502	(3) ->	(3) ->	(3) ->
245	GASKET, RING (4")	(2) 19XB55002506	(2) ->	(2) ->	(2) ->
246	GASKET, RING (8")	X	X	X	X
247	GASKET, RING (5")	X	X	X	X
248A	GASKET, RING (SSH 2793J)	19XB55002507	->	->	->
248B	GASKET, RING (PSN 2793J)	23XL25003901	->	->	->
249	VALVE, DIAPHRAM (3/8)	EP10BA130	->	->	->
250	DRIER, FILTER (MOTOR COOLING)	P502-8415S	KH41MG278	->	->
251	ORIFICE, OIL SUPPLY (.150)	23XL15000601	->	->	->
252	ORIFICE, OIL SUPPLY (0.90)	23XL15000701	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 006

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
253	ORIFICE, REFRIG. SUPPLY (0.13) NOTE: INCLUDES ITEM 254.	X	X	X	X
254	O-RING	X	X	X	X
255A	ORIFICE PLATE (50HZ W/ECON)	X	X	23XL25012401	->
255B	ORIFICE PLATE (60HZ W/ECON)	X	X	23XL25012301	->
256	O-RING, OIL SEPERATOR COVER	23XL25007802	->	->	->
257A	FELT RING (SEPERATOR S/M SSN 50043)	23XL25014501	->	->	->
257B	O-RING (SEPERATOR S/M PSN 50043)	23XL25007801	->	->	->
258A	ELEMENT, OIL SEPERATOR (W/FELT RING)	23XL25017001	->	->	->
258B	ELEMENT, OIL SEPERATOR (W/O-RING)	23XL25017201	->	->	->
259	SIGHTGLASS, OIL SEPARATOR NOTE: INCLUDES ITEM 260.	KM36BS162	->	->	->
260	O-RING	KK71EW920	->	->	->
261	INDICATOR, MOISTURE	AMI1SS5	->	->	->
262	NOZZLE ASY, MOTOR COOLING	23XL24007301	->	->	->
263	VALVE, SOLENOID (OIL SUPPLY LINE)	EF23JM271	->	->	->
264	COIL, SOLENOID (24V-1-50/60)	P510-AMG/24V	->	->	->
265	REBUILD KIT, SOLENOID VALVE EF23JM27	KS-E34	->	->	->
266	VALVE, BALL (5/8")	(3) 900205	(3) EP71BA201	(3) ->	(3) ->
267	VALVE, BALL (7/8")	(2) 900307	(2) ->	(2) ->	(2) ->
268	VALVE, BALL (1-1/8")	X	X	X	X
269	VALVE, BALL (2-1/8")	X	X	X	X
270	GASKET, ECON. FLOAT VALVE (SSN1395J)	23XL45001801	->	->	->
271	SCREW, SOCKET HEAD (M12 X 1.75, 45LG)	(12) 23XL25004401	(12) ->	(12) ->	(12) ->
272	SCREW, SOCKET HEAD (M20 X 2.5, 70LG)	(12) 23XL25004402	(12) ->	(12) ->	(12) ->
273	SCREW, SOCKET HEAD (M12 X 1.75, 55LG)	(4) 23XL25004403	(4) ->	(4) ->	(4) ->
274	SCREW, SOCKET HEAD (M16 X 2.0, 25LG)	23XL25004404	->	->	->
275	SCREW, SOCKET HEAD (M6 X 1.0, 16LG)	(4) 23XL25004405	(4) ->	(4) ->	(4) ->
276	SCREW, SOCKET HEAD (M6 X 1.0, 25LG)	X	X	X	X
277	CONNECTOR (1/4-20 NPT X 3/8 TUBE)	(3) DC09SA110	(3) ->	(3) ->	(3) ->
278	CONNECTOR (7/8-14 NPT X 5/8 TUBE)	(2) DC09SA307	(2) ->	(2) ->	(2) ->
279	CONNECTOR (7/8-14 COMP.) NOTE: INCLUDES ITEM 280.	(2) DC00SA020	(2) ->	(2) ->	(2) ->
280	O-RING	KK71EW910	->	->	->
281	REDUCER (1/2 TUBE X 3/4 O.D.)	DC21CA010	->	->	->
282	CONNECTOR, STR. (9/16-18 X 3/8 TUBE) NOTE: INCLUDES ITEM 283.	(2) DC00SA005	(2) ->	(2) ->	(2) ->
283	O-RING	KK71EW906	->	->	->
284	CONNECTOR, STR. (3/4-16 X 1/2 TUBE) NOTE: INCLUDES ITEM 285.	DC00SA010	->	->	->
285	O-RING	KK71EW908	->	->	->
286	CONNECTOR, STR. (1-1/16-12 X 3/4 TUBE) NOTE: INCLUDES ITEM 287.	DC00SA030	->	->	->
287	O-RING	KK71EW912	->	->	->
288	COUPLING (3/8 NPT X 3/8 FLARE)	DD08DA101	->	->	->
289	COUPLING (1/2 NPT X 3/8 FLARE)	DD08DA104	->	->	->
290	COUPLING (1/2 NPT X 1/2 FLARE)	DD08DA201	->	->	->
291	CONNECTOR, ELBOW (3/4 X 1-1/16) NOTE: INCLUDES ITEM 292.	(2) DC03SA030	(2) ->	(2) ->	(2) ->
292	O-RING	KK71EW912	->	->	->
293	CONNECTOR, ELBOW (9/16-18) NOTE: INCLUDES ITEM 294.	(6) DC03SA010	(6) ->	(3) ->	(3) ->
294	O-RING	KK71EW906	->	->	->
295	CONNECTOR, TEE (1-1/16-12)	DC09SA001	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 007

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
	NOTE: INCLUDES ITEM 296.				
296	O-RING	KK71EW912	->	->	->
297	CONNECTOR, ELBOW (3/4-16)	DC83SA020	->	->	->
	NOTE: INCLUDES ITEM 298.				
298	O-RING	KK71EW908	->	->	->
299	CONNECTOR, ELBOW (7/8-16)	X	X	X	X
	NOTE: INCLUDES ITEM 300.				
300	O-RING	X	X	X	X
301	CONNECTOR, ELBOW (7/8 X 1-3/16)	X	X	X	X
	NOTE: INCLUDES ITEM 302.				
302	O-RING	X	X	X	X
303	GASKET, FLARE (3/8)	DD24FA101	->	->	->
304	VALVE, RELIEF (3/4" 300#)	(3) EB51FZ243	(3) EB51FZ242	(3) ->	(3) ->
305	VALVE, RELIEF (1/4 X 3/8)	EB51LH121	->	->	->
306	VALVE, RELIEF (3/8 X 1/2)	EB51LH181	->	->	->
307	VALVE, RELIEF (1-1/4 X 1)	X	X	X	X
308	VALVE, RELIEF (1 X 1)	X	X	X	X
309	VALVE, ANGLE (1/4 X 1/4)	EP23LC090	->	->	->
310	VALVE, ANGLE (1/4 X 3/8) (ON COND.)	EP20LA095	->	->	->
311	VALVE, ANGLE (3/8 X 3/8)	EP23LC150	->	->	->
312	VALVE, BALL (1/2)	(2) EP71C0182	(2) ->	(2) ->	(2) ->
313	VALVE, BALL (3/4")	X	X	X	X
314	VALVE, BALL (1")	X	X	X	X
315	VALVE, BALL (1-5/8)	900613	EP71BA451	->	->
316	VALVE, SHUTOFF (3/4")	8922A	->	->	->
317	VALVE, SHUTOFF (1")	X	X	X	X
318	VALVE, BUTTERFLY (4")(ISOLATION VALVE)	ER39M2814	->	->	->
319	VALVE, BUTTERFLY (6")(ISOLATION VALVE)	X	X	X	X
	NOTE: ISOLATION VALVES ITEMS 318 & 319 ARE FACTORY INSTALLED OPTIONS				
	NOT ALL MACHINES WILL HAVE THESE INSTALLED.				
320	PLATE, DISCHARGE VALVE LOCKING	23XL25001901	->	->	->
321	FLANGE ADAPTER (4" TO 6")	23XL25000701	->	->	->
322	HEATER, OIL	HT36AZ120	->	->	->
	NOTE: INCLUDES ITEM 323.				
323	O-RING, OIL HEATER	KK71EW920	->	->	->
324	STRAINER, REFRIGERANT	(2) KH11NG070	(2) ->	(2) ->	(2) ->
325A	HOUSING, FILTER (VERTICAL MOUNTED)	KH18MB003	->	->	->
	NOTE: USED ON ALL "D" COMPR. MACHINES. ONLY USED "C" COMPR. MACHINES BUILT AFTER 1/2000.				
325B	HOUSING, FILTER (HORIZONTAL MOUNTED)	NOT SOLD SEPARATE	->	->	->
	NOTE: ONLY USED ON "C" COMPR. MACHINES BUILT PRIOR TO 1/2000.				
327A	OIL FILTER PKG. (VERTICAL MOUNTED)	23XL660016	->	->	->
	NOTE: INCLUDES ITEMS 328A & 329A USED ON ALL "D" COMPR. AND "C" COMPR. MACHINES BUILT AFTER 1/2000.				
327B	OIL FILTER PKG. (HORIZONTAL MOUNTED)	23XL660009	->	->	->
	NOTE: INCLUDES ITEMS 328B & 329B. ONLY USED ON "C" COMPR. MACHINES BUILT PRIOR TO 1/2000.				
328A	O-RING, FILTER (VERTICAL MOUNTED)	KK71EW154	->	->	->
328B	O-RING, FILTER (HORIZONTAL MOUNTED)	KK71EW252	->	->	->
329A	FILTER, CARTRIDGE (VERTICAL MOUNTED)	23XL660016	KH39MB003	->	->
329B	FILTER, CARTRIDGE (HORIZ. MOUNTED)	KH39MB001	->	->	->
330	GSKT, COND. DRAIN(4-BOLT)(POPPET VALV	23XL45007201	->	->	->
331	O-RING (2-1/4)	KK71EW228	->	->	->
332	GSKT, COND. DRAIN(NOTCHED)(POPPET VAL	23XL45007301	->	->	->



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
333A	FLANGE (COND. DRAIN) USED W/GASKET	DK16CB301	->	->	->
333B	FLANGE (COND. DRAIN) USED W/O-RING	DK16CB302	->	->	->
334	O-RING (2-3/8")	(2) KK71EW229	(2) ->	(2) ->	(2) ->
335A	O-RING,COMPR. DISCHARGE (SSN 2793J)	8TC0343C	->	->	->
335B	O-RING,COMPR. DISCHARGE (PSN 2793J)	23XL25003901	->	->	->
336	GASKET,COMPR. DISCHARGE (12 BOLT)	X	X	X	X
337	SPRING,OIL FILTER HOUSING	19C35-4991	->	->	->
338	GAUGE,COMPOUND	KM03AF300	->	->	->
338A	VALVE ASY,ECON. BACK PRESS.(PSN 5093)	23XL24005301	->	->	->
338B	O-RING,ECON. BACK PRESS VALVE COVE	KK71EW034	->	->	->
338C	SPRING,ECON. BACK PRESS VALVE	23XL25011501	->	->	->
338D	PISTON,ECON. BACK PRESS VALVE	23XL25011701	->	->	->
338E	CONNECTOR,COMPRESSION	DC09SA110	->	->	->
338F	FILTER DRIER (ECON TO COMPR. LINE)	P507-0569S	KH62ME214	->	->
	NOTE: PART USED ON MACHINES BUILT PRIOR TO SN 5093J.				
339	SIGHTGLASS	KM36BS162	->	->	->
	NOTE: INCLUDES ITEM 340.				
340	O-RING	KK71EW920	->	->	->
341	SIGHTGLASS	X	X	X	X
342	VALVE,BALL (1/2") (COOLER)	EP71CQ182	->	->	->
343	SCREEN ASSEMBLY,FLOAT	09XB04000601	->	->	->
344	GASKET,COND. FLOAT VALVE	09XB25004201	->	->	->
344A	END CAP,FLOAT VALVE	09XB05002101	->	->	->
345	VALVE,POPPET (CONDENSER DRAIN)	23XL24007201	->	->	->
346	SWITCH,LEVEL & TEMP (3/4 MPT)(SSN 1495J)	HK13LB001	->	->	->
347	SWITCH,LEVEL (1-5/16) (PSN 1495J)	HK13ZB001	->	->	->
	NOTE: PRIOR TO S/N 1495J A SEPERATE TEMP. SENSOR WAS USED (HH79NZ047)				
	INCLUDES ITEM 348.				
348	O-RING,LEVEL SWITCH (PSN 1495J)	KK71EW920	->	->	->
349	RECEPTACLE(USED W/LEVEL SW HK13ZB001)	HY07MP083	->	->	->
350	RECEPTACLE(USED W/LEVEL SW HK13LB001)	RM05ED209	->	->	->
351	CABLE (12' YELLOW) (USED W/HK13LB001)	23XL04006501	->	->	->
352	VALVE ASY,FLOAT (COND./ECON LINEAR T	(2) 09XB04001301	(2) ->	(2) ->	(2) ->
	NOTE: USED ON MACHINES BUILT AFTER 8/92, INCLUDES ITEMS 353 - 354.				
353	SHAFT,FLOAT	09XB05004101	->	->	->
354	RING,RETAINING	(3) AU45AZ025	(3) ->	(3) ->	(3) ->
355	FLOAT VALVE ASY (OLD STYLE BALL TYPE)	09XB04000702	->	->	->
	NOTE: USED ON MACHINES BUILT BEFORE 8/92, INCLUDES ITEMS 356 - 360.				
356	BALL,FLOAT	09XB05001901	->	->	->
357	SHAFT,DRIVE	09XB05001401	->	->	->
358	COLLAR,SHAFT	(2) 17FA1051522	(2) ->	(2) ->	(2) ->
359	BEARING,BALL	(2) KT01BG060	(2) ->	(2) ->	(2) ->
360	RING,SNAP	(4) AU47AA511	(4) ->	(4) ->	(4) ->
361	VALVE ASY,DISCHARGE CHECK	23XL24002401	->	->	->
	NOTE: INCLUDES ITEMS 362 - 364.				
362	PIN	23XL25003301	->	->	->
363	DOOR	NOT SOLD SEPARATELY			
364	RING,SNAP	(2) AU48AR038	(2) ->	(2) ->	(2) ->
365	COOLER TUBES (SEE NOTE)	TUBE QUANTITY			
	NOTE: TO OBTAIN THE PROPER TUBES FOR YOUR PARTICULAR MACHINE CONTACT YOUR CARRIER REPRESENTATIVE. YOU MUST PROVIDE MACHINE SERIAL NO.				
365A	COOLER TUBE QTY. (COOLER CODE 10)	175	->	->	->
365B	COOLER TUBE QTY. (COOLER CODE 11)	220	->	->	->
365C	COOLER TUBE QTY. (COOLER CODE 20)	235	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 009

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISH.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
365D	COOLER TUBE QTY. (COOLER CODE 21)	277	->	->	->
365E	COOLER TUBE QTY. (COOLER CODE 40)	X	X	X	X
365F	COOLER TUBE QTY. (COOLER CODE 41)	X	X	X	X
365G	COOLER TUBE QTY. (COOLER CODE 42)	X	X	X	X
365H	COOLER TUBE QTY. (COOLER CODE 43)	X	X	X	X
366	CONDENSER TUBES (SEE NOTE)	TUBE QUANTITY	->	->	->
NOTE: TO OBTAIN THE PROPER TUBES FOR YOUR PARTICULAR MACHINE CONTACT YOUR CARRIER REPRESENTATIVE. YOU MUST PROVIDE MACHINE SERIAL NO.					
366A	CONDENSER TUBE QTY. (COND. CODE 10)	220	->	->	->
366B	CONDENSER TUBE QTY. (COND. CODE 11)	259	->	->	->
366C	CONDENSER TUBE QTY. (COND. CODE 20)	280	->	->	->
366D	CONDENSER TUBE QTY. (COND. CODE 21)	337	->	->	->
366E	CONDENSER TUBE QTY. (COND. CODE 40)	X	X	X	X
366F	CONDENSER TUBE QTY. (COND. CODE 41)	X	X	X	X
366G	CONDENSER TUBE QTY. (COND. CODE 42)	X	X	X	X
366H	CONDENSER TUBE QTY. (COND. CODE 43)	X	X	X	X
367A	GSKT.COOL W/B 17 HOLE FR#1 SSN 2593J	(2) 10XB15001601	(2) ->	(2) ->	(2) ->
367B	GSKT.COOL W/B 34 HOLE FR#1 PSN 2593J	(2) 10XB15000301	(2) ->	(2) ->	(2) ->
367C	GSKT.COOL W/B 20 HOLE FR#2 SSN 2593J	(2) 10XB25002901	(2) ->	(2) ->	(2) ->
367D	GSKT.COOL W/B 40 HOLE FR#2 PSN 2593J	(2) 10XB25001001	(2) ->	(2) ->	(2) ->
367E	GASKET.COOLER W/B (CODE 40-43 NIH)	X	X	X	X
367F	GASKET.COOLER W/B (CODE 40-43 MARINE)	X	X	X	X
368A	GSKT.COND W/B 17 HOLE FR#1 SSN 2593J	(2) 10XB15001601	(2) ->	(2) ->	(2) ->
368B	GSKT.COND W/B 34 HOLE FR#1 PSN 2593J	(2) 10XB15000301	(2) ->	(2) ->	(2) ->
368C	GSKT.COND W/B 20 HOLE FR#2 SSN 2593J	(2) 10XB25002901	(2) ->	(2) ->	(2) ->
368D	GSKT.COND W/B 40 HOLE FR#2 PSN 2593J	(2) 10XB25001001	(2) ->	(2) ->	(2) ->
368E	GASKET.COND. W/B (NIH)	X	X	X	X
368F	GASKET.COND. W/B (MARINE 1 & 3 PASS)	X	X	X	X
368G	GSKT.COND. W/B(MARINE 2 PASS BLK END	X	X	X	X
368H	GSKT.COND. W/B(MARINE 2 PASS W/D END	X	X	X	X
369A	GASKET.DIV. PLT. (25" STRIP PSN3694J	(2) 10XB25002001	(2) ->	(2) ->	(2) ->
369B	GASKET.DIV. PLT. (25" BULLET SSN3694J	19XB680001	->	->	->
HOT GAS BYPASS					
370	VALVE.SOLENOID (HGBP)	EF23JS333	->	->	->
371	REBUILD KIT.SOLENOID VALVE	KS-E34	->	->	->
372	VALVE.BALL (1-3/8) (HGBP)	904511	->	->	->
373	RELAY.PILOT (HGBP)	HN61KK324	->	->	->
PUMPDOWN ASSEMBLY					
374A	PUMPDOWN ASY. (208-3-60) (R134A)	19EA411113	->	->	->
374B	PUMPDOWN ASY. (230-3-60) (R134A)	19EA421113	->	->	->
374C	PUMPDOWN ASY. (400/460-3-50/60) (R134A)	19EA431113	->	->	->
374D	PUMPDOWN ASY. (575-3-60) (R134A)	19EA441113	->	->	->
375A	PUMPDOWN ASY. (208-3-60) (R22)	19XB04280601	->	->	->
375B	PUMPDOWN ASY. (230-3-60) (R22)	19XB04280602	->	->	->
375C	PUMPDOWN ASY. (400/460-3-50/60) (R22)	19XB04280603	->	->	->
375D	PUMPDOWN ASY. (575-3-60)	19XB04280604	->	->	->
NOTE: INCLUDES ITEMS 376 - 431.					
376A	COMPRESSOR ASY. (208/230-3-60)	06DM8086GC3250	->	->	->
376B	COMPRESSOR ASY. (400/460-3-50/60)	06DM8086GC3650	->	->	->
376C	COMPRESSOR ASY. (575-3-60)	06DM8086GC3150	->	->	->
NOTE: INCLUDES ITEMS 377 - 399.					
377 N	GASKET SET	6D43172	->	->	->
378 N	VALVE PLATE PACKAGE (1-13/16" BORE)	NO LONGER AVAILABLE	->	->	->
NOTE: INCLUDES ITEMS 378A - 378G.					

PARTS LIST CATALOG

PARTS LIST PAGE: 010

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PUMPDOWN ASSEMBLY					
378AN	VALVE PLATE ASY. (L.H. BANK)	NO LONGER AVAILABLE	->	->	->
378BN	SUCTION VALVE	(2) 6D451072	(2) ->	(2) ->	(2) ->
378CN	GASKET,VALVE PLATE	6D401073	->	->	->
378DN	GASKET,CYLINDER HEAD	05GA502213	->	->	->
378EN	SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->	(2) ->	(2) ->
378FN	DISCHARGE VALVE	(2) 6D751062	(2) ->	(2) ->	(2) ->
378GN	DISCHARGE VALVE STOP	(2) 6D751072	(2) ->	(2) ->	(2) ->
379 N	VALVE PLATE PACKAGE (2" BORE)	06DA660120	->	->	->
NOTE: INCLUDES ITEMS 379A - 379J.					
379AN	VALVE PLATE ASY.	06DA404674	->	->	->
379BN	GASKET,VALVE PLATE	05DA500153	->	->	->
379CN	GASKET,CYLINDER HEAD (PLAIN)	05GA502213	->	->	->
379DN	GASKET,CYLINDER HEAD (S.C.O.U.)	05GA502223	->	->	->
379EN	SUCTION VALVE	(2) 06DA502903	(2) ->	(2) ->	(2) ->
379FN	SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->	(2) ->	(2) ->
379GN	GASKET,CYLINDER HEAD (CENTER BAN	05GA502173	->	->	->
379HN	GASKET,VALVE PLATE (LESS I PORT)	06DA502923	->	->	->
379 N	DOWEL PIN	7J16032	->	->	->
394 N	PISTON & PIN PACKAGE	(2) 6D68962	(2) ->	(2) ->	(2) ->
395 N	ECCENTRIC STRAP	(2) 5D401372	(2) ->	(2) ->	(2) ->
396 N	COMPRESSION RING	(2) AU50CP355	(2) ->	(2) ->	(2) ->
398 N	BEARING HEAD ASY.	06DA660060	->	->	->
399 N	OIL FILTER ASY. (SCREEN)	6D40103	->	->	->
400	SERVICE VALVE PACKAGE (SUCTION)	5F20660002	->	->	->
NOTE: INCLUDES ITEMS 401 - 404.					
401	VALVE (5/8" ODS)	NOT SOLD SEPARATELY	->	->	->
402	GASKET,SUCTION VALVE	6D231421	->	->	->
403	BOLT,HEX. HEAD	NOT SOLD SEPARATELY	->	->	->
404	BUSHING (5/8" X 1/2")	NOT SOLD SEPARATELY	->	->	->
405	SERVICE VALVE PACKAGE (DISCHARGE)	06DA660060	->	->	->
NOTE: INCLUDES ITEMS 406 - 408.					
406	VALVE, (5/8" ODS)	NOT SOLD SEPARATELY	->	->	->
407	GASKET,DISCHARGE VALVE	6D231421	->	->	->
408	BOLT,HEX. HEAD	NOT SOLD SEPARATELY	->	->	->
409	CONDENSER ASSEMBLY	19EA41531	->	->	->
NOTE: INCLUDES ITEMS 410 - 411.					
410	TRY COCK ASSEMBLY	7F0132	->	->	->
411	VALVE,LIQUID	EP128H211	->	->	->
412	COMPR.OVERLOAD(30A)(FURNAS-MAN.RESET	HN68JX003	->	->	->
413A	OVERLOAD HEATER (208V)	(3) HN71JC050	(3) ->	(3) ->	(3) ->
413B	OVERLOAD HEATER (230V)	(3) HN71JC049	(3) ->	(3) ->	(3) ->
413C	OVERLOAD HEATER (460V)	(3) HN71JC036	(3) ->	(3) ->	(3) ->
413D	OVERLOAD HEATER (575V)	(3) HN71JC031	(3) ->	(3) ->	(3) ->
414	CONTROL BOX COVER	07DA500002	->	->	->
415A	CONTROL BOX ASSEMBLY (R22)	19EA42500	->	->	->
415B	CONTROL BOX ASSEMBLY (R134A)	19EA41500	->	->	->
NOTE: INCLUDES ITEMS 416 - 422.					
416	TERMINAL BLOCK	HY84EG017	->	->	->
417	CONTACTOR	HN53CD115	->	->	->
418A	SWITCH,PRESSURE (R22)	HK01UA107	->	->	->
418B	SWITCH,PRESSURE (R134A)	HK01UA101	->	->	->
419	SWITCH,TOGGLE	HR532A035	->	->	->
420	FUSE HOLDER	HKP-HH	->	->	->
421	FUSE (3 AMP)	AGC3	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 011

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISH.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C20	23XL-----C21	23XL-----C40	23XL-----C41
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PUMPDOWN ASSEMBLY					
422	GROMMET	KA56XM040	->	->	->
423	SAFETY HEAD	EB51LP121	EB51LR305	->	->
424	OIL SEPERATOR	KH31L2000	->	->	->
425	GASKET,OIL SEPERATOR	KY31LY003LA	->	->	->
426	VALVE,DIAPHRAM (1/2")	(4) A-14841	(4) ->	(4) ->	(4) ->
427	VALVE,ANGLE	EP23LA211	->	->	->
428	GASKET,CAPSCREW (5/16")	(4) AU51YA003	(4) ->	(4) ->	(4) ->
429	GASKET,FLARE (1/2")	DD26FA151	->	->	->
430	SPRING,COMPRESSOR MOUNTING	(4) 50K21231	(4) ->	(4) ->	(4) ->
431	SPRING CUP,COMPRESSOR MOUNTING	(4) 50K41221	(4) ->	(4) ->	(4) ->
MISCELLANEOUS GROUP					
432 N	PAINT,HORIZON GREEN (SPRAY CAN)	PH23GH017	->	->	->
433 N	PAINT,AMER. STERLING GREY (SPRAY CAN)	PH23GH022	->	->	->
434 N	PAINT,AMER. STERLING GREY (GALLON CA)	PH23GH022G	->	->	->
435 N	BRUSH,TUBE CLEANING (3/4" I.D.)	KC21AH105	->	->	->
436 N	OIL,COMPRESSOR (5 GALLON)	PP23BZ104	->	->	->
NOTE: USED WITH BOTH R-22 & R-134A REFRIGERANTS.					
437 N	FIBER GASKET SEALANT	19XL680002	->	->	->
438 N	INSULATION,SHEET	QR0948486434	->	->	->
439 N	TEMP. SENSOR PACKAGE (SPARE SENSORS)	HM79N2024	->	->	->
440 N	TUBING, HEAT SHRINK	LF33MM112	->	->	->
441 N	PRESS. DIFFERENTIAL FLOW SWITCH	(2) HK06ZC033	(2) ->	(2) ->	(2) ->
442	BACK PRESSURE VALVE	23XL24005301	->	->	->
443	O-RING,BACK PRESSURE VALVE	KK71EW034	->	->	->
444	SERVICE TOOL KIT (MAJOR OVERHAUL)	23XL660010	->	->	->
445	TOOL,SLIDE VALVE LOCKNUT SOCKET	T-144502D	->	->	->
446	SERVICE KITS	REFER TO KITTING	->	->	->
447 N	INSULATING SLEEVE,10-VOLT TERMS(PIC)	(6) LF33MM112	(6) ->	(6) ->	(6) ->
448 N	INSULATING SLEEVE,10-VOLT TERMS(PIC)	(6) LF33MM112	(6) ->	(6) ->	(6) ->
449 N	INSULATING PUTTY,MED-VOLT TERMS.	19EA6111102	->	->	->
450 N	ELECTRICAL TAPE,MED-VOLT TERMS.	19EA6111112	->	->	->



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60		23XL-----C61	
		INGERSOLL		INGERSOLL	
TO DETERMINE COMPRESSOR TYPE REFER TO COMPRESSOR SERIAL NUMBER					
"H" IN THE 9TH POSITION = HOWDEN OR "G" IN 9TH POSITION = INGERSOLL.					
COMPRESSOR GROUP					
1	MATCHED ROTOR SET	23XL660003		->	
	NOTE: INCLUDES ITEM 2.				
2	MALE & FEMALE ROTORS	NOT SOLD SEPARATE		->	
3	O-RING (365 X 5 MM)	(2)	8TC0114C	(2)	->
4	O-RING (443 X 7 MM)		8TC0115C		->
5	O-RING (393 X 7 MM)		8TC0116C		->
6	O-RING (308 X 5 MM)		8TC0117C		->
7	O-RING (94 X 3 MM)	(2)	8TC0155C	(2)	->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				
8	O-RING (215 X 7 MM)		8TC0344C		->
9	O-RING (25 X 4 MM)	(2)	8TC0151C	(2)	->
10	O-RING (37 X 3 MM)	(2)	8TC0288C	(2)	->
11	O-RING (431 X 5 MM)		X		X
12	O-RING (494 X 7 MM)		X		X
13	O-RING (456 X 7 MM)		X		X
14	O-RING (350 X 5 MM)		X		X
15	O-RING (104 X 3 MM)		X		X
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				
16	O-RING (253 X 7 MM)		X		X
17	COVER,SUCTION	(2)	1TC0248C	(2)	->
18	VALVE,RELIEF (1-5/8 X 12)	(2)	FB51ZH452	(2)	->
19A	MOTOR (400/460-3-50/60)		5T2DGH21		->
19B	MOTOR (208/230-3-60)		5T2DGY21		->
19C	MOTOR (575-3-60)		5T2DGJ21		->
19D	MOTOR (345/400-3-50/60)		5T2DGT21		->
20	SENSOR,MOTOR WINDING (RTD)	(2)	32MP500354	(2)	->
21	SPACER,MOTOR		X		X
22	TERMINAL PIN	(6)	HY05AA062	(6)	->
23	O-RING,TERMINAL PIN	(6)	KK71EW214	(6)	->
24	WASHER,SPRING	(6)	AU51AS543	(6)	->
25	HERMETIC TERMINAL		HY05FP022		->
26	O-RING,HERMETIC TERMINAL		KK71EW120		->
27	BOX,JUNCTION		HX22FB053		->
28	COVER,JUNCTION BOX		HX02FB050		->
29	KEY,ROTOR		1TC0267C		->
30	PLATE WASHER,ROTOR		1TC0400C		->
31	LOCKWASHER,ROTOR		6TC0065C		->
32 N	HEAT SHRINK TUBING	(3)	LF33MM112	(3)	->
33	GASKET,MOTOR COOLING CONN. (4 BOLT)		7TC0189C		->
34	PLUG,ORIFICE		1TC0044C		->
35	PLUG,ORIFICE (FEMALE)		1TC0052C		->
36	BEARING,FEMALE ROTOR		8TC0077C		->
37	BEARING,MALE ROTOR		8TC0078C		->
38	SLEEVE,FEMALE ROTOR		1TC0028C		->
39	SLEEVE,MALE ROTOR		1TC0027C		->
40	BEARING,POLAMIDE CAGE	(2)	8TC0076C	(2)	->
41	SPACER,BEARING INNER	(2)	1TC0057C	(2)	->
42	SPACER,BEARING,OUTER	(2)	1TC0030C	(2)	->
43	SPACER,MALE ROTOR		1TC0397C		->
44	SPACER,FEMALE ROTOR		1TC0038C		->
45	ORIFICE RING	(2)	1TC0143D	(2)	->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				

PARTS LIST CATALOG

PARTS LIST PAGE: 013

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISH.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60		23XL-----C61	
		INGERSOLL		INGERSOLL	
COMPRESSOR GROUP					
46	ROLL PIN (3 X 8 MM)	(2)	8TC0070C	(2)	->
NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.					
47	BEARING RETAINER	(2)	1TC0067C	(2)	->
48	WASHER,SPRING	(2)	8TC0073C	(2)	->
49	BALL BEARING,POLYAMIDE CAGE	(5)	8TC0074C	(5)	->
50	BALL BEARING,BRASS CAGE		8TC0391C		->
51	O-RING,DISCHARGE (190 X 7 MM)		8TC0343C		->
52	SPACER,MALE INLET		1TC0269C		->
53	KEY,STATOR		1TC0066C		->
54	DOWEL PIN,ROUND (19 X 57 MM)	(3)	8TC0244C	(3)	->
55	DOWEL PIN,DIAMOND (19 X 57 MM)	(3)	1TC0245C	(3)	->
56	DOWEL PIN,ROUND (12 X 32 MM)		8TC0246C		->
57	DOWEL PIN,DIAMOND (12 X 32 MM)		1TC0247C		->
58	SEPERATOR PLATE (PSN 5193JXXXX)		1TC0282D		->
59	RETAINER,SPRING		1TC0228C		X
60	SLIDE VALVE (IMPORTANT! SEE NOTE)		1TC0240D		->
61	SLIDE ROD,CAPACITY (SEE NOTE!!!!)		1TC0449C		->
NOTE: IF REPLACING SLIDE ROD ON D40 & D60 MACHINES BUILT PRIOR TO 4/97 OR ANY OTHER MACHINE BUILT PRIOR TO 10/97 REFER TO S.B. C9908.					
62	PISTON,SLIDE VALVE (35MM)		1TC0033C		->
63A	COVER,SLIDE VALVE		X		X
63B	COVER,SLIDE VALVE (PSN 5093J)		1TC0308C		1TC0026C
63C	COVER,SLIDE VALVE (SSN 5193J)		1TC0442C		->
64	GUIDE/SEAL ASSEMBLY		8TC0053C	(2)	->
65	SLIDE SEAL ADAPTER		1TC0226C		->
66	SEAL RING		8TC0057C		->
67	SPRING,UNLOADER (INNER)		8TC0167C		->
68	SPRING,UNLOADER (OUTER)		X		X
69	WASHER		8TC0145C		->
69A	SPACER		X		1TC0471C
70	COLLAR,LOCKING (35MM)	(2)	KT51HZ100	(2)	->
71A	LOCKNUT (35MM)	(2)	8TC0048C	(2)	->
71B	LOCKNUT,ADJUSTABLE (35MM)(SSN 5096V)		X		X
71C	LOCKNUT (35MM) (PSN 5196V)		X		X
NOTE: FOR MORE INFORMATION REFER TO SERVICE BULLETIN C9908.					
72	LOCKWASHER	(2)	8TC0051C	(2)	->
73	O-RING (REF. ONLY, DO NOT REPLACE)	(2)	NOT REQUIRED	(2)	->
74	O-RING (57 X 3.5 MM)		KK71EW22B		->
75A	O-RING (165 X 3.5 MM) (PSN 5093J)		8TC0119C		->
75B	O-RING (SSN 5093J)		8TC0418C		->
76	O-RING (REF. ONLY DO NOT REPLACE)		NOT REQUIRED		->
77	O-RING (165 X 3.5 MM)		X		X
78	CAPACITY CONTROL VALVE PACKAGE	(2)	23XL660001	(4)	->
NOTE: INCLUDES ITEMS 79 - 81.					
79	VALVE,CAPACITY CONTROL		2TC0025D		->
80	O-RING (8 X 2.5 MM)	(2)	8TC0154C	(2)	->
81	SCREW,SOCKET HEAD	(3)	8TC0092C	(3)	->
82	SOLENOID COIL (24V)	(2)	P510-AMG/24V	(2)	->
NOTE: SOLENOID COIL NOT SOLD IN CAPACITY CONTROL PACKAGE, MUST BE ORDERED SEPARATELY.					
83	O-RING (111 X 3.5 MM)		KK71EW245		->
84A	O-RING (137 X 3.5 MM) (PSN 5093J)		8TC0120C		->
84B	O-RING (SSN 5193J)		KK71EW252		->
85	O-RING (123.5 X 3.5 MM)		X		X

PARTS LIST CATALOG

PARTS LIST PAGE: 014

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISH.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60		23XL-----C61	
		INGERSOLL		INGERSOLL	
COMPRESSOR GROUP					
86	O-RING (149 X 3.5 MM)		X		X
87A	VALVE STOP (PSN 5093J)		X		1TC0230D
87B	VALVE STOP (SSN 5193J)		X		1TC0473D
88A	SLIDE ROD \ VI		X		1TC0133C
88B	SLIDE ROD \ VI (PSN 5093J)		X		X
88C	SLIDE ROD \ VI (SSN 5193J)		X		X
89	PISTON,SLIDE VALVE (20MM)		X		1TC0032C
90A	CYLINDER STOP		X		X
90B	CYLINDER STOP (PSN 5093J)		X		1TC0130D
90C	CYLINDER STOP (SSN 5093J)		X		1TC0419D
91	SEAL RING		X		8TC0056C
92	RETAINER,SLIDE SEAL		X		1TC0203C
93	LOCKNUT (M20)		X	(2)	8TC0047C
94	LOCKWASHER (M20)		X	(2)	8TC0050C
95	RING,SNAP		X	(2)	8TC0138C
96	O-RING (139 X 4 MM) (PSN 5193J)		X		8TC0237C
97	PLUG,SLIDE CASING (SSN 5193J)		1TC0417D		->
98	O-RING (152 X 3.5MM) (SSN 5193J)		8TC0418C		->
99	WASHER (SSN 5193J)	(2)	X	(2)	8TD0206C
100	SCREW,BUTTON (SSN 5193J)	(2)	X	(2)	8TD0207C
101	DOWEL PIN (SSN 5193J)		X		8TD0208C
102	LOCKING PLUG,CYL. STOP (SSN 5193J)		X		8TD0122C
103	O-RING,CYLINDER STOP LOCKING PLUG		X		KK71EW904
104	O-RING (133 X 4 MM) (SSN 5193J)		KK71EW252		->
105	O-RING (17 X 2 MM)		X		X
106	PIPE PLUG (1/4 NPTF)		CA64AT051		->
107	HOLLOW HEX PLUG (1-3/16-12)		X		X
	NOTE: INCLUDES ITEM 108.				
108	O-RING,1-3/16 HOLLOW HEX PLUG		X		X
109	HOLLOW HEX PLUG (7/16-20)	(4)	8TC0106C	(4)	->
	NOTE: INCLUDES ITEM 110.				
110	O-RING,7/16 HOLLOW HEX PLUG	(4)	KK71EW904	(4)	->
111	HOLLOW HEX PLUG (9/16-18)	(2)	8TC0107C	(2)	->
	NOTE: INCLUDES ITEM 112.				
112	O-RING,9/16 HOLLOW HEX PLUG	(2)	KK71EW906	(2)	->
113	HOLLOW HEX PLUG (3/4-16)	(2)	8TC0108C	(2)	->
	NOTE: INCLUDES ITEM 114.				
114	O-RING,3/4 HOLLOW HEX PLUG	(2)	KK71EW908	(2)	->
115	HOLLOW HEX PLUG (1-1/16-12)	(3)	8TC0109C	(3)	->
	NOTE: INCLUDES ITEM 116.				
116	O-RING,1-1/16 HOLLOW HEX PLUG	(3)	KK71EW912	(3)	->
	NOTE: HARDWARE USED TO ASSEMBLE COMPRESSOR ARE METRIC. HARDWARE USED ON OTHER MACHINE COMPONENTS ARE ENGLISH.				
117	SOCKET HEAD CAPSCREW (M10-1.5 X 40)	(18)	8TC0094C	(18)	->
118	SOCKET HEAD CAPSCREW (M5-0.8 X 12)	(6)	8TC0091C	(6)	->
119	SOCKET HEAD CAPSCREW (M6-1 X 16)	(4)	8TC0092C	(4)	->
120	SOCKET HEAD CAPSCREW (M12-1.75 X 40)	(4)	8TC0096C	(4)	->
121	SOCKET HEAD CAPSCREW (M12-1.75 X 50)	(18)	8TC0097C	(18)	->
122	SOCKET HEAD CAPSCREW (M12-1.75 X 60)	(2)	8TC0098C	(2)	->
123	SOCKET HEAD CAPSCREW (M12-1.75 X 80)	(4)	8TC0099C	(4)	->
124	SOCKET HEAD CAPSCREW (M16-2 X 55)	(30)	8TC0100C	(30)	->
125	SOCKET HEAD CAPSCREW (MM20-2.5 X 70)	(24)	8TC0101C	(24)	->
126	SOCKET HEAD CAPSCREW (M12-1.75 X 70)		X		X
127	SOCKET HEAD CAPSCREW (M12-1.75 X 90)		X		X

PARTS LIST CATALOG

PARTS LIST PAGE: 015

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60		23XL-----C61	
		INGERSOLL		INGERSOLL	
COMPRESSOR GROUP					
128	SOCKET HEAD CAPSCREW (M16-2 X 70)	X		X	
129	SOCKET HEAD CAPSCREW (M22-2.5 X 80)	X		X	
130	SOCKET HEAD SET SCREW(M10-1.5 X 30)	8TC0089C		->	
131	SOCKET HEAD CAPSCREW (M12-1.75 X 75)	X		X	
132	PIPE PLUG (1/8 NTPF)	(2) CA64AA001		(2) ->	
133	HEX HEAD CAPSCREW (M10-1.5 X 50)	8TC0104C		->	
134	HEX HEAD CAPSCREW (M10-1.5 X 35)	8TC0103C		->	
135	SHIM PACKAGE	23XL660005		->	
	NOTE: SHIM PACKAGE CONTAINS 8 SHIMS IN 3 THICKNESSES, NO MORE THAN 3 SHIMS ARE TO BE USED TO OBTAIN REQUIRED CLEARANCE.				
136	SCREW,THREAD FORMING	(2) 8TC0294C		(2) ->	
137	WASHER,EXTERNAL (LOCKTOOTH)	(2) AU27AS131		(2) ->	
138	VALVE PAD (BLANK-OFF)	8TC0141C		->	
PIC CONTROLS					
139A	POWER PANEL ASY (BASIC,PIC I)	23XL04000201		->	
139B	POWER PANEL ASY (W/OPTIONS,PIC I)	23XL04000202		->	
139C	POWER PANEL ASY (W/VI,PIC I)	23XL04000203		->	
139D	POWER PANEL ASY (W/OPTIONS & VI,PIC I)	23XL04000204		->	
	NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 140 - 155.				
140	TRANSFORMER (T1)	HT01BD113		->	
141	TRANSFORMER (T2)	HT01AW235		->	
142	TRANSFORMER (T3) (W/VI PANEL)	HT01AW235		->	
143	TRANSFORMER (T4) (W/OPTIONS PANEL)	HT01BD113		->	
144	BARRIER,10-VOLT	19XB05000401		->	
145	BLOCK,TERMINAL (A - 51)	19XB05002301		->	
146	BLOCK,TERMINAL (1 - 7)	23XL05000501		->	
147	BLOCK,TERMINAL (21-23)	X		X	
148	SWITCH,VOLTAGE SELECTOR	HR67ZZ125		->	
149	RELAY (W/VI)	HN61KQ120		->	
150	CONTACTOR (OIL HEATER)	HN53CD024		->	
150A	AUXILIARY CONTACTOR,SIDE MOUNT	HN53AB035		->	
151	WIRE HARNESS (15 WIRE)	23XL04000401		->	
152	SHUBBER ASY	X		X	
153 N	PLUG,MOLEX (3 CIRCUIT)	(2) HY06MP001		(2) ->	
154 N	RECEPTACLE,MOLEX (3 CIRCUIT)	(2) HY07MP001		(2) ->	
155	GROUND LUG	HY90HR001		->	
156	COVER,POWER PANEL (W/SCHEMATIC)	23XL04003201		->	
157A	CONTROL PANEL ASY (BASIC,PIC I)	23XL04006701		->	
157B	CONTROL PANEL ASY (W/OPTIONS,PIC I)	23XL04006702		->	
157C	CONTROL PANEL ASY (W/VI,PIC I)	23XL04006701		->	
157D	CONTROL PANEL ASY (W/OPTIONS & VI,PIC I)	23XL04006702		->	
	NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 158 - 167.				
158 N	PANEL ASY	19XB04000401		->	
	NOTE: INCLUDES ITEM 159.				
159	HINGE	19XB05001201		->	
160	DOOR PANEL ASY	19EX04000501		->	
161	LOCK,CAM (W/KEYS)	KA19NL010		->	
162	LID ASSEMBLY (PIC I)	CES0130036		->	
163	LIGHT ASSEMBLY (PSN 3596J)	HY19AD005		->	
164	POWER SUPPLY (PSN 3596J)	HK35AA006		->	

PARTS LIST CATALOG

PARTS LIST PAGE: 016

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
PIC CONTROLS					
165	FILTER,RFI (PSN 3596J)	HK992Z003	->		
166 N	LID BATTERY (REFER TO SB C9623)	CEC0120803-01	->		
167	BOARD,RELAY (6 PACK)	HK35AA003	->		
168	POWER SUPPLY (5 VDC)	HK35AA002	->		
169	MODULE ASY (PSIO)	23XL04007215	->		
170	PSIO BATTERY (REFER TO SB C9623)	CEC0120803-01	->		
171	BREAKER,CIRCUIT (CB1 -CB4)	(4) HH83ZB001	(4) ->		
172	BUMPER,RUBBER	(2) KA58HR001	(2) ->		
173	WIRE HARNESS (15 WIRE)	23XL04001601	->		
174	WIRE HARNESS (7 WIRE)	23XL04001501	->		
175	WIRE ASSEMBLY,RESISTOR (10K)	19XB04003301	->		
	NOTE: INCLUDES ITEM 176.				
176	RESISTOR (10K)	HT21A2110	->		
177	WIRE ASSEMBLY,RESISTOR (3.3K)	X	X		
	NOTE: INCLUDES ITEM 178.				
178	RESISTOR (3.3K)	X	X		
179	CABLE,TRANSDUCER (VESSEL OIL PRESSUR	(3) 23XL660006	(3) ->		
	NOTE: INCLUDES ITEMS 180 - 181.				
180	CONNECTOR,CABLE	30GT510011	->		
181	TERMINAL,PIN	(3) 30GT510010	(3) ->		
182	CABLE ASY,SENSOR(COMPR. ROTOR TEMP.)	HH79NZ064	->		
183	CABLE ASY,SENSOR (OIL SUMP TEMP.)	HH79NZ064	->		
184	CONNECTOR PLUG (3 PIN)	HY84EE003	->		
185	CONNECTOR PLUG (4 PIN)	HY84EE004	->		
186	CONNECTOR PLUG (18 PIN)	(3) HY84EE021	(3) ->		
187	CONNECTOR PLUG (6 PIN)	HY06MP106	->		
188	SWITCH,HIGH PRESSURE CUTOUT	HK02ZA260	->		
189	MODULE,INPUT (OPTIONS PANEL ONLY)	HK50AA006	->		
190	CABLE ASY (TEMP. SENSORS)	(4) HH79NZ048	(4) ->		
191	SENSORS,TEMPERATURE (W/B NOZZLES)	(4) HH79NZ047	(4) ->		
192	TRANSDUCER,PRESS.(COOLER/COND./OIL)	(3) HK05YZ007	(3) ->		
193	SENSOR,TEMP.(COMPR. ROTOR INLET/OIL)	HH79NZ059	->		
194	STARTER MANAGEMENT MODULE (SMM)	GES0121319-01	->		
PIC II CONTROLS GROUP					
195A	POWER PANEL ASY (W/OUT V.V.I)	23XL04007401	->		
195B	POWER PANEL ASY (WITH V.V.I)	23XL04007402	->		
	NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 196 - 208.				
196	TRANSFORMER (T1)	HT01AN235	->		
197	TRANSFORMER (T2)	HT01AN235	->		
198	TRANSFORMER (T3) (WITH V.V.I ONLY)	HT01AN235	->		
199	CONTACTOR,OIL HEATER	HN53CC024	->		
200	RELAY (WITH V.V.I ONLY)	HN61KQ120	->		
201	BOARD,TERMINAL	19XR05013101	->		
202	BREAKER,CIRCUIT (WITH V.V.I ONLY)	HH83ZB001	->		
203	GROUND LUG	HY90HR001	->		
204	COVER,POWER PANEL	19XB05000301	->		
205	COVER,LO-VOLTAGE ACCESS	19XR05000401	->		
206	BARRIER,LO-VOLTAGE	19XB05000401	->		
207	CABLE,OIL PUMP SOLENOID (2 WIRE)	23XL04004201	->		
208	CABLE,V.V.I SOLENOID (3 WIRE)	23XL04002301	->		
209A	CONTROL PANEL (PIC II STANDARD)	23XL04009001	->		
209B	CONTROL PANEL (PIC II W/DATAPORT)	23XL04009002	->		

PARTS LIST CATALOG

PARTS LIST PAGE: 017

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
PIC II CONTROLS GROUP					
209C	CONTROL PANEL (PIC II W/DATALINK)	23XL04009003		->	
	NOTE: MACHINES BUILT PRIOR TP S/N 1899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 210 - 235.				
210	CONTROLLER, CHILLER VISUAL (CVC)	23XL04009001		->	
211	BLOCK, TERMINAL	23XL05007901		->	
212	MODULE, DATALINK	CEFA121549-02		->	
213	MODULE, DATAPORT	CEPL130363-01		->	
214	MODULE, CHILLER CONTROL (CCM)	CESO130038		->	
215	BREAKER, CIRCUIT	(2) HH83ZB001	(2)	->	
216	CONNECTOR (2 PIN)	HY06AM015		->	
217	CONNECTOR (6 PIN)	HY06MP106		->	
218	CONNECTOR (5 PIN)	HY07MP505		->	
219	CONNECTOR (3 PIN)	HY84EE103		->	
220	CONNECTOR (6 PIN)	HY84EE106		->	
221	CONNECTOR (12 PIN)	HY84EE112		->	
222	CONNECTOR (14 PIN)	HY84EE114		->	
223	CONNECTOR (12 PIN)	HY84EE132		->	
224	CONNECTOR (14 PIN)	HY84EE134		->	
225	CAM LOCK (W/KEYS)	KA19NL010		->	
226	SPACER #6-32 MALE/FEMALE	KA56CS092		->	
227	RUBBER BUMPER	KA58MR001		->	
228	BOLT, SHOULDER (SPECIAL)	(2) 19XR05007401	(2)	->	
229	COVER, PANEL	19XR05007501		->	
230	CABLE ASY, TRANSDUCER (3-WIRE 175")	19XB660006		->	
231	CABLE ASY, TRANSDUCER (3-WIRE 285")	19XB660003		->	
232	CABLE ASY, TRANSDUCER (3-WIRE 600")	19XB660008		->	
233	CABLE ASY, SENSOR (2-WIRE 300")	HH79NZ064		->	
234	CABLE ASY (10-WIRE)	23XL04009401		->	
235	CABLE ASY (SLIDE VALVE)	23XL04009501		->	
236	SWITCH, HIGH PRESSURE CUTOFF	HK02ZA260		->	
237	COIL ASY, SOLENOID (24V)	(4) EF19ZE025	(4)	->	
238	SENSOR, TEMPERATURE	(4) HH79NZ047	(4)	->	
239	TRANSDUCER, PRESSURE	(7) HK05YZ007	(7)	->	
240	RELAY, PILOT (HGBP)	HN61KK324		->	
241	SENSOR, THERMISTOR	HH79NZ059		->	
MACHINE ARRANGEMENT & PIPING					
241A	SWITCH, OIL LEVEL & OIL SUMP TEMP.	HK13LB009		->	
	NOTE: REFER TO SERVICE BULLETIN C0121.				
PIC II CONTROLS GROUP					
242	MODULE, INTEGRATED STARTER (ISM)	CESO130037		->	
242A	FUSE, ISM MODULE (1 AMP)	ATO-1		->	
MACHINE ARRANGEMENT & PIPING					
243	EJECTOR	17EA0131572		->	
244	GASKET, RING (6")	(3) 19XB55002502	(3)	->	
245	GASKET, RING (4")	(2) 19XB55002506	(2)	->	
246	GASKET, RING (8")	X		X	
247	GASKET, RING (5")	X		X	
248A	GASKET, RING (SSN 2793J)	19XB55002507		->	
248B	GASKET, RING (PSN 2793J)	23XL25003901		->	
249	VALVE, DIAPHRAM (3/8)	EP10BA130		->	
250	DRIER, FILTER (MOTOR COOLING)	KH41MG278		->	
251	ORIFICE, OIL SUPPLY (.150)	23XL15000601		->	
252	ORIFICE, OIL SUPPLY (0.90)	23XL15000701		->	

PARTS LIST CATALOG

PARTS LIST PAGE: 018

CATALOG NO. : REV,
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
MACHINE ARRANGEMENT & PIPING					
253	ORIFICE, REFRIG. SUPPLY (0.13) NOTE: INCLUDES ITEM 254.	X	X		
254	O-RING	X	X		
255A	ORIFICE PLATE (50HZ W/ECON)	23XL25012301	->		
255B	ORIFICE PLATE (60HZ W/ECON)	23XL25012201	->		
256	O-RING, OIL SEPERATOR COVER	23XL25007802	->		
257A	FELT RING (SEPERATOR S/N SSN 50043)	23XL25014501	->		
257B	O-RING (SEPERATOR S/N PSN 50043)	23XL25007801	->		
258A	ELEMENT, OIL SEPERATOR (W/FELT RING)	23XL25017001	->		
258B	ELEMENT, OIL SEPERATOR (W/O-RING)	23XL25017201	->		
259	SIGHTGLASS, OIL SEPERATOR NOTE: INCLUDES ITEM 269.	KM36BS162	->		
260	O-RING	KK71EW920	->		
261	INDICATOR, MOISTURE	AMI1SS5	->		
262	NOZZLE ASY, MOTOR COOLING	23XL26007301	->		
263	VALVE, SOLENOID (OIL SUPPLY LINE)	EF23.M271	->		
264	COIL, SOLENOID (24V-1-50/60)	P510-AMG/24V	->		
265	REBUILD KIT, SOLENOID VALVE EF23.M27	KS-E34	->		
266	VALVE, BALL (5/8") (3)	EP71BA201	(3)	->	
267	VALVE, BALL (7/8") (2)	900307	(2)	->	
268	VALVE, BALL (1-1/8")	X	X		
269	VALVE, BALL (2-1/8")	X	X		
270	GASKET, ECON. FLOAT VALVE (SSN1395J)	23XL45001801	->		
271	SCREW, SOCKET HEAD (M12 X 1.75, 45LG) (12)	23XL25004401	(12)	->	
272	SCREW, SOCKET HEAD (M20 X 2.5, 70LG) (12)	23XL25004402	(12)	->	
273	SCREW, SOCKET HEAD (M12 X 1.75, 55LG) (4)	23XL25004403	(4)	->	
274	SCREW, SOCKET HEAD (M16 X 2.0, 25LG)	23XL25004404	->		
275	SCREW, SOCKET HEAD (M6 X 1.0, 16LG) (4)	23XL25004405	(4)	->	
276	SCREW, SOCKET HEAD (M6 X 1.0, 25LG)	X	X		
277	CONNECTOR (1/4-20 NPT X 3/8 TUBE) (3)	DC09SA110	(3)	->	
278	CONNECTOR (7/8-14 NPT X 5/8 TUBE) (2)	DC09SA307	(2)	->	
279	CONNECTOR (7/8-14 COMP.) (2)	DC80SA020	(2)	->	
	NOTE: INCLUDES ITEM 280.				
280	O-RING	KK71EW910	->		
281	REDUCER (1/2 TUBE X 3/4 O.D.)	DC21CA010	->		
282	CONNECTOR, STR. (9/16-18 X 3/8 TUBE) (2)	DC80SA005	(2)	->	
	NOTE: INCLUDES ITEM 283.				
283	O-RING	KK71EW906	->		
284	CONNECTOR, STR. (3/4-16 X 1/2 TUBE) NOTE: INCLUDES ITEM 285.	DC80SA010	->		
285	O-RING	KK71EW908	->		
286	CONNECTOR, STR. (1-1/16-12 X 3/4 TUBE) NOTE: INCLUDES ITEM 287.	DC80SA030	->		
287	O-RING	KK71EW912	->		
288	COUPLING (3/8 NPT X 3/8 FLARE)	DD08DA101	->		
289	COUPLING (1/2 NPT X 3/8 FLARE)	DD08DA104	->		
290	COUPLING (1/2 NPT X 1/2 FLARE)	DD08DA201	->		
291	CONNECTOR, ELBOW (3/4 X 1-1/16) (2)	DC85SA050	(2)	->	
	NOTE: INCLUDES ITEM 292.				
292	O-RING	KK71EW912	->		
293	CONNECTOR, ELBOW (9/16-18) (3)	DC85SA010	(3)	->	
	NOTE: INCLUDES ITEM 294.				
294	O-RING	KK71EW906	->		
295	CONNECTOR, TEE (1-1/16-12)	DC89SA001	->		

PARTS LIST CATALOG

PARTS LIST PAGE: 019

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
MACHINE ARRANGEMENT & PIPING					
	NOTE: INCLUDES ITEM 296.				
296	O-RING	KK71EW912	->		
297	CONNECTOR,ELBOW (3/4-16)	DC83SA020	->		
	NOTE: INCLUDES ITEM 298.				
298	O-RING	KK71EW908	->		
299	CONNECTOR,ELBOW (7/8-16)	X	X		
	NOTE: INCLUDES ITEM 300.				
300	O-RING	X	X		
301	CONNECTOR,ELBOW (7/8 X 1-3/16)	X	X		
	NOTE: INCLUDES ITEM 302.				
302	O-RING	X	X		
303	GASKET,FLARE (3/8)	DD24FA101	->		
304	VALVE,RELIEF (3/4" 3000)	(3) EB51FZ242	(3) ->		
305	VALVE,RELIEF (1/4 X 3/8)	EB51LH121	->		
306	VALVE,RELIEF (3/8 X 1/2)	EB51LH181	->		
307	VALVE,RELIEF (1-1/4 X 1)	X	X		
308	VALVE,RELIEF (1 X 1)	X	X		
309	VALVE,ANGLE (1/4 X 1/4)	EP23LC090	->		
310	VALVE,ANGLE (1/4 X 3/8) (ON COND.)	EP20LA095	->		
311	VALVE,ANGLE (3/8 X 3/8)	EP23LC150	->		
312	VALVE,BALL (1/2)	(2) EP71CR182	(2) ->		
313	VALVE,BALL (3/4")	X	X		
314	VALVE,BALL (1")	X	X		
315	VALVE,BALL (1-5/8)	EP71BA651	->		
316	VALVE,SHUTOFF (3/4")	8022A	->		
317	VALVE,SHUTOFF (1")	X	X		
318	VALVE,BUTTERFLY (4")(ISOLATION VALVE	ER39MZ814	->		
319	VALVE,BUTTERFLY (6")(ISOLATION VALVE	X	X		
	NOTE: ISOLATION VALVES ITEMS 318 & 319 ARE FACTORY INSTALLED OPTIONS NOT ALL MACHINES WILL HAVE THESE INSTALLED.				
320	PLATE,DISCHARGE VALVE LOCKING	23XL25001901	->		
321	FLANGE ADAPTER (4" TO 6")	23XL25000701	->		
322	HEATER,OIL	HT36AZ120	->		
	NOTE: INCLUDES ITEM 323.				
323	O-RING,OIL HEATER	KK71EW920	->		
324	STRAINER,REFRIGERANT	(2) KH11NG070	(2) ->		
325A	HOUSING,FILTER (VERTICAL MOUNTED)	KH18MB003	->		
	NOTE: USED ON ALL "D" COMPR. MACHINES. ONLY USED "C" COMPR. MACHINES BUILT AFTER 1/2000.				
325B	HOUSING,FILTER (HORIZONTAL MOUNTED)	NOT SOLD SEPARATE	->		
	NOTE: ONLY USED ON "C" COMPR. MACHINES BUILT PRIOR TO 1/2000.				
327A	OIL FILTER PKG. (VERTICAL MOUNTED)	23XL660016	->		
	NOTE:INCLUDES ITEMS 328A & 329A USED ON ALL "D" COMPR. AND "C" COMPR. MACHINES BUILT AFTER 1/2000.				
327B	OIL FILTER PKG. (HORIZONTAL MOUNTED)	23XL660009	->		
	NOTE:INCLUDES ITEMS 328B & 329B. ONLY USED ON "C" COMPR. MACHINES BUILT PRIOR TO 1/2000.				
328A	O-RING,FILTER (VERTICAL MOUNTED)	KK71EW154	->		
328B	O-RING,FILTER (HORIZONTAL MOUNTED)	KK71EW252	->		
329A	FILTER,CARTRIDGE (VERTICAL MOUNTED)	KH39MB003	->		
329B	FILTER,CARTRIDGE (HORIZ. MOUNTED)	KH39MB001	->		
330	GSKT,COND. DRAIN(4-BOLT)(POPPET VALV	23XL45007201	->		
331	O-RING (2-1/4)	KK71EW228	->		
332	GSKT,COND. DRAIN(NOTCHED)(POPPET VAL	23XL45007301	->		

PARTS LIST CATALOG

PARTS LIST PAGE: 020

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
MACHINE ARRANGEMENT & PIPING					
333A	FLANGE (COND. DRAIN) USED W/GASKET	DK16CB301	->		
333B	FLANGE (COND. DRAIN) USED W/O-RING	DK16CB302	->		
334	O-RING (2-3/8")	(2) KK71EW229	(2) ->		
335A	O-RING, COMPR. DISCHARGE (SSN 2793J)	8TC0343C	->		
335B	O-RING, COMPR. DISCHARGE (PSN 2793J)	23XL25003901	->		
336	GASKET, COMPR. DISCHARGE (12 BOLT)	X	X		
337	SPRING, OIL FILTER HOUSING	19C35-4991	->		
338	GAUGE, COMPOUND	KM03AF300	->		
338A	VALVE ASY, ECON. BACK PRESS. (PSN 5093J)	23XL24005301	->		
338B	O-RING, ECON. BACK PRESS VALVE COVE	KK71EW034	->		
338C	SPRING, ECON. BACK PRESS VALVE	23XL25011501	->		
338D	PISTON, ECON. BACK PRESS VALVE	23XL25011701	->		
338E	CONNECTOR, COMPRESSION	DC09SA110	->		
338F	FILTER DRIER (ECON TO COMPR. LINE)	KH42ME214	->		
NOTE: PART USED ON MACHINES BUILT PRIOR TO SN 5093J.					
339	SIGHTGLASS	KM36RS162	->		
NOTE: INCLUDES ITEM 340.					
340	O-RING	KK71EW920	->		
341	SIGHTGLASS	X	X		
342	VALVE, BALL (1/2") (COOLER)	EP71CQ102	->		
343	SCREEN ASSEMBLY, FLOAT	09XB04000601	->		
344	GASKET, COND. FLOAT VALVE	09XB25004201	->		
344A	END CAP, FLOAT VALVE	09XB05002101	->		
345	VALVE, POPPET (CONDENSER DRAIN)	23XL24007201	->		
346	SWITCH, LEVEL & TEMP (3/4 NPT) (SSN 1495J)	HK13LB001	->		
347	SWITCH, LEVEL (1-5/16) (PSN 1495J)	HK13ZB001	->		
NOTE: PRIOR TO S/N 1495J A SEPERATE TEMP. SENSOR WAS USED (HH79NZ047)					
INCLUDES ITEM 348.					
348	O-RING, LEVEL SWITCH (PSN 1495J)	KK71EW920	->		
349	RECEPTACLE (USED W/LEVEL SW HK13ZB001)	HY07MP003	->		
350	RECEPTACLE (USED W/LEVEL SW HK13LB001)	RM05ED209	->		
351	CABLE (12' YELLOW) (USED W/HK13LB001)	23XL04006501	->		
352	VALVE ASY, FLOAT (COND./ECON LINEAR T	(2) 09XB04001301	(2) ->		
NOTE: USED ON MACHINES BUILT AFTER 8/92, INCLUDES ITEMS 353 - 354.					
353	SHAFT, FLOAT	09XB05004101	->		
354	RING, RETAINING	(3) AU45A2025	(3) ->		
355	FLOAT VALVE ASY (COLD STYLE BALL TYPE)	09XB04000702	->		
NOTE: USED ON MACHINES BUILT BEFORE 8/92, INCLUDES ITEMS 356 - 360.					
356	BALL, FLOAT	09XB05001901	->		
357	SHAFT, DRIVE	09XB05001401	->		
358	COLLAR, SHAFT	(2) 17FA1051522	(2) ->		
359	BEARING, BALL	(2) KT01BG060	(2) ->		
360	RING, SNAP	(4) AU47AA511	(4) ->		
361	VALVE ASY, DISCHARGE CHECK	23XL24002401	->		
NOTE: INCLUDES ITEMS 362 - 364.					
362	PIN	23XL25003301	->		
363	DOOR	NOT SOLD SEPARATELY	->		
364	RING, SNAP	(2) AU48AR038	(2) ->		
365	COOLER TUBES (SEE NOTE)	TUBE QUANTITY	->		
NOTE: TO OBTAIN THE PROPER TUBES FOR YOUR PARTICULAR MACHINE CONTACT YOUR CARRIER REPRESENTATIVE. YOU MUST PROVIDE MACHINE SERIAL NO.					
365A	COOLER TUBE QTY. (COOLER CODE 10)	175	->		
365B	COOLER TUBE QTY. (COOLER CODE 11)	220	->		
365C	COOLER TUBE QTY. (COOLER CODE 20)	235	->		

PARTS LIST CATALOG

PARTS LIST PAGE: 021

CATALOG NO.: REV.
SUPERSEDES: REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
MACHINE ARRANGEMENT & PIPING					
365D	COOLER TUBE QTY. (COOLER CODE 21)	277	->		
365E	COOLER TUBE QTY. (COOLER CODE 40)	X	X		
365F	COOLER TUBE QTY. (COOLER CODE 41)	X	X		
365G	COOLER TUBE QTY. (COOLER CODE 42)	X	X		
365H	COOLER TUBE QTY. (COOLER CODE 43)	X	X		
366	CONDENSER TUBES (SEE NOTE)	TUBE QUANTITY	->		
NOTE: TO OBTAIN THE PROPER TUBES FOR YOUR PARTICULAR MACHINE CONTACT YOUR CARRIER REPRESENTATIVE. YOU MUST PROVIDE MACHINE SERIAL NO.					
366A	CONDENSER TUBE QTY. (COND. CODE 10)	220	->		
366B	CONDENSER TUBE QTY. (COND. CODE 11)	259	->		
366C	CONDENSER TUBE QTY. (COND. CODE 20)	280	->		
366D	CONDENSER TUBE QTY. (COND. CODE 21)	337	->		
366E	CONDENSER TUBE QTY. (COND. CODE 40)	X	X		
366F	CONDENSER TUBE QTY. (COND. CODE 41)	X	X		
366G	CONDENSER TUBE QTY. (COND. CODE 42)	X	X		
366H	CONDENSER TUBE QTY. (COND. CODE 43)	X	X		
367A	GSKT.COOL W/B 17 HOLE FR#1 SSN 2593	(2) 10XB15001601	(2) ->		
367B	GSKT.COOL W/B 34 HOLE FR#1 PSN 2593	(2) 10XB15000301	(2) ->		
367C	GSKT.COOL W/B 20 HOLE FR#2 SSN 2593	(2) 10XB25002901	(2) ->		
367D	GSKT.COOL W/B 40 HOLE FR#2 PSN 2593	(2) 10XB25001001	(2) ->		
367E	GASKET.COOLER W/B (CODE 40-43 NIH)	X	X		
367F	GASKET.COOLER W/B (CODE 40-43 MARINE)	X	X		
368A	GSKT.COND W/B 17 HOLE FR#1 SSN 2593	(2) 10XB15001601	(2) ->		
368B	GSKT.COND W/B 34 HOLE FR#1 PSN 2593	(2) 10XB15000301	(2) ->		
368C	GSKT.COND W/B 20 HOLE FR#2 SSN 2593	(2) 10XB25002901	(2) ->		
368D	GSKT.COND W/B 40 HOLE FR#2 PSN 2593	(2) 10XB25001001	(2) ->		
368E	GASKET.COND. W/B (NIH)	X	X		
368F	GASKET.COND. W/B (MARINE 1 & 3 PASS)	X	X		
368G	GSKT.COND. W/B(MARINE 2 PASS BLK END)	X	X		
368H	GSKT.COND. W/B(MARINE 2 PASS W/B END)	X	X		
369A	GASKET.DIV. PLT. (25" STRIP PSN3694)	(2) 19XB25002001	(2) ->		
369B	GASKET.DIV. PLT. (25" BULLET SSN3694)	19XB680001	->		
HOT GAS BYPASS					
370	VALVE.SOLENOID (HGBP)	EF23JS333	->		
371	REBUILD KIT.SOLENOID VALVE	KS-E34	->		
372	VALVE.BALL (1-3/8) (HGBP)	904511	->		
373	RELAY.PILOT (HGBP)	HN61KK324	->		
PUMPDOWN ASSEMBLY					
374A	PUMPDOWN ASY. (208-3-60) (R134A)	19EA411113	->		
374B	PUMPDOWN ASY. (230-3-60) (R134A)	19EA421113	->		
374C	PUMPDOWN ASY. (400/460-3-50/60) (R134A)	19EA431113	->		
374D	PUMPDOWN ASY. (575-3-60) (R134A)	19EA461113	->		
375A	PUMPDOWN ASY. (208-3-60) (R22)	19XB04280601	->		
375B	PUMPDOWN ASY. (230-3-60) (R22)	19XB04280602	->		
375C	PUMPDOWN ASY. (400/460-3-50/60) (R22)	19XB04280603	->		
375D	PUMPDOWN ASY. (575-3-60)	19XB04280604	->		
NOTE: INCLUDES ITEMS 376 - 431.					
376A	COMPRESSOR ASY. (208/230-3-60)	06DM80866C3250	->		
376B	COMPRESSOR ASY. (400/460-3-50/60)	06DM80866C3650	->		
376C	COMPRESSOR ASY. (575-3-60)	06DM80866C3150	->		
NOTE: INCLUDES ITEMS 377 - 399.					
377 N	GASKET SET	6D43172	->		
378 N	VALVE PLATE PACKAGE (1-13/16" BORE)	NO LONGER AVAILABLE	->		
NOTE: INCLUDES ITEMS 378A - 378G.					

PARTS LIST CATALOG

PARTS LIST PAGE: 022

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
PUMPDOWN ASSEMBLY					
378AN	VALVE PLATE ASY. (L.H. BANK)	NO LONGER AVAILABLE	->		
378BN	SUCTION VALVE	(2) 6D451072	(2) ->		
378CN	GASKET,VALVE PLATE	6D401073	->		
378DN	GASKET,CYLINDER HEAD	05GA502213	->		
378EN	SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->		
378FN	DISCHARGE VALVE	(2) 6D751062	(2) ->		
378GN	DISCHARGE VALVE STOP	(2) 6D751072	(2) ->		
379 N	VALVE PLATE PACKAGE (2" BORE)	06DA660120	->		
	NOTE: INCLUDES ITEMS 379A - 379J.				
379AN	VALVE PLATE ASY.	06DA404674	->		
379BN	GASKET,VALVE PLATE	05DA500153	->		
379CN	GASKET,CYLINDER HEAD (PLAIN)	05GA502213	->		
379DN	GASKET,CYLINDER HEAD (S.C.O.U.)	05GA502223	->		
379EN	SUCTION VALVE	(2) 06DA502903	(2) ->		
379FN	SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->		
379GN	GASKET,CYLINDER HEAD (CENTER BAN	05GA502173	->		
379HN	GASKET,VALVE PLATE (LESS I PORT)	06DA502923	->		
379.N	DOWEL PIN	7J16032	->		
394 N	PISTON & PIN PACKAGE	(2) 6D68962	(2) ->		
395 N	ECCENTRIC STRAP	(2) 5D401372	(2) ->		
396 N	COMPRESSION RING	(2) AU50CP355	(2) ->		
398 N	BEARING HEAD ASY.	06DA660060	->		
399 N	OIL FILTER ASY. (SCREEN)	6D40103	->		
400	SERVICE VALVE PACKAGE (SUCTION)	5F20660002	->		
	NOTE: INCLUDES ITEMS 401 - 404.				
401	VALVE (5/8" ODS)	NOT SOLD SEPARATELY	->		
402	GASKET,SUCTION VALVE	6D231421	->		
403	BOLT,HEX. HEAD	NOT SOLD SEPARATELY	->		
404	BUSHING (5/8" X 1/2")	NOT SOLD SEPARATELY	->		
405	SERVICE VALVE PACKAGE (DISCHARGE)	06DA660060	->		
	NOTE: INCLUDES ITEMS 406 - 408.				
406	VALVE, (5/8" ODS)	NOT SOLD SEPARATELY	->		
407	GASKET,DISCHARGE VALVE	6D231421	->		
408	BOLT,HEX. HEAD	NOT SOLD SEPARATELY	->		
409	CONDENSER ASSEMBLY	19EA41531	->		
	NOTE: INCLUDES ITEMS 410 - 411.				
410	TRY COCK ASSEMBLY	7F0132	->		
411	VALVE,LIQUID	EP12BH211	->		
412	COMPR.OVERLOAD(30A)(FURNAS-MAN.RESET	HN68JX003	->		
413A	OVERLOAD HEATER (208V)	(3) HN71JC050	(3) ->		
413B	OVERLOAD HEATER (230V)	(3) HN71JC049	(3) ->		
413C	OVERLOAD HEATER (460V)	(3) HN71JC036	(3) ->		
413D	OVERLOAD HEATER (575V)	(3) HN71JC031	(3) ->		
414	CONTROL BOX COVER	07DA500002	->		
415A	CONTROL BOX ASSEMBLY (R22)	19EA42508	->		
415B	CONTROL BOX ASSEMBLY (R134A)	19EA41588	->		
	NOTE: INCLUDES ITEMS 416 - 422.				
416	TERMINAL BLOCK	HY84EG017	->		
417	CONTACTOR	HN53CD115	->		
418A	SWITCH,PRESSURE (R22)	HK01UA187	->		
418B	SWITCH,PRESSURE (R134A)	HK01UA181	->		
419	SWITCH,TOGGLE	HR53ZA035	->		
420	FUSE HOLDER	HKP-HH	->		
421	FUSE (3 AMP)	AGC3	->		

PARTS LIST CATALOG

PARTS LIST PAGE: 023

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISH.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----C60	23XL-----C61		
		INGERSOLL	INGERSOLL		
PUMPDOWN ASSEMBLY					
422	GROMMET	KA56XM040	->		
423	SAFETY HEAD	EB51LR305	->		
424	OIL SEPERATOR	KH31L2008	->		
425	GASKET,OIL SEPERATOR	KY31LY003LA	->		
426	VALVE,DIAPHRAM (1/2")	(4) A-14841	(4) ->		
427	VALVE,ANGLE	EP23LA211	->		
428	GASKET,CAPSCREW (5/16")	(4) AU51YA003	(4) ->		
429	GASKET,FLARE (1/2")	DD24FA151	->		
430	SPRING,COMPRESSOR MOUNTING	(4) 50K21231	(4) ->		
431	SPRING CUP,COMPRESSOR MOUNTING	(4) 50K41221	(4) ->		
MISCELLANEOUS GROUP					
432 N	PAINT,HORIZON GREEN (SPRAY CAN)	PH23GH017	->		
433 N	PAINT,AMER. STERLING GREY (SPRAY CAN)	PH23GH022	->		
434 N	PAINT,AMER. STERLING GREY (GALLON CA)	PH23GH022G	->		
435 N	BRUSH,TUBE CLEANING (3/4" I.D.)	KC21AH105	->		
436 N	OIL,COMPRESSOR (5 GALLON)	PP23BZ104	->		
NOTE: USED WITH BOTH R-22 & R-134A REFRIGERANTS.					
437 N	FIBER GASKET SEALANT	19XL680002	->		
438 N	INSULATION,SHEET	QR0948486434	->		
439 N	TEMP. SENSOR PACKAGE (SPARE SENSORS)	HH79N2024	->		
440 N	TUBING, HEAT SHRINK	LF33MH112	->		
441 N	PRESS. DIFFERENTIAL FLOW SWITCH	(2) HK06ZC033	(2) ->		
442	BACK PRESSURE VALVE	23XL24005301	->		
443	O-RING,BACK PRESSURE VALVE	KK71EW034	->		
444	SERVICE TOOL KIT (MAJOR OVERHAUL)	23XL660010	->		
445	TOOL,SLIDE VALVE LOCKNUT SOCKET	T-144502D	->		
446	SERVICE KITS	REFER TO KITTING	->		
447 N	INSULATING SLEEVE,10-VOLT TERMS(PIC	(6) LF33MH112	(6) ->		
448 N	INSULATING SLEEVE,10-VOLT TERMS(PIC	(6) LF33MH112	(6) ->		
449 N	INSULATING PUTTY,MED-VOLT TERMS.	19EA6111102	->		
450 N	ELECTRICAL TAPE,MED-VOLT TERMS.	19EA6111112	->		



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
TO DETERMINE COMPRESSOR TYPE REFER TO COMPRESSOR SERIAL NUMBER					
"H" IN THE 9TH POSITION = HOWDEN OR "G" IN 9TH POSITION = INGERSOLL COMPRESSOR GROUP					
1	MATCHED ROTOR SET	23XL660013	->	23XL660014	->
	NOTE: INCLUDES ITEM 2.				
2	MALE & FEMALE ROTORS	NOT SOLD SEPARATE	->	->	->
3	O-RING (365 X 5 MM)	X	X	X	X
4	O-RING (443 X 7 MM)	X	X	X	X
5	O-RING (393 X 7 MM)	X	X	X	X
6	O-RING (308 X 5 MM)	X	X	X	X
7	O-RING (94 X 3 MM)	X	X	X	X
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				
8	O-RING (215 X 7 MM)	X	X	X	X
9	O-RING (25 X 4 MM)	(2) 8TC0151C	(2) ->	(2) ->	(2) ->
10	O-RING (37 X 3 MM)	(2) 8TC0288C	(2) ->	(2) ->	(2) ->
11	O-RING (431 X 5 MM)	(2) 8TD0080C	(2) ->	(2) ->	(2) ->
12	O-RING (494 X 7 MM)	8TD0088C	->	->	->
13	O-RING (456 X 7 MM)	8TD0081C	->	->	->
14	O-RING (350 X 5 MM)	8TD0082C	->	->	->
15	O-RING (104 X 3 MM)	(2) 8TD0083C	(2) ->	(2) ->	(2) ->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				
16	O-RING (253 X 7 MM)	(2) 8TD0124C	(2) ->	(2) ->	(2) ->
17	COVER,SUCTION	(2) 1TD0098C	(2) ->	(2) ->	(2) ->
18	VALVE,RELIEF (1-5/8 X 12)	(2) FB51ZH452	(2) ->	(2) ->	(2) ->
19A	MOTOR (400/460-3-50/60)	5T2FGH11	->	->	->
19B	MOTOR (208/230-3-60)	X	X	X	X
19C	MOTOR (575-3-60)	5T2FGJ11	->	->	->
19D	MOTOR (345/600-3-50/60)	5T2FGT11	->	->	->
20	SENSOR,MOTOR WINDING (RTD)	(2) 32MP500354	(2) ->	(2) ->	(2) ->
21	SPACER,MOTOR	X	X	X	X
22	TERMINAL PIN	(6) HY85AA062	(6) ->	(6) ->	(6) ->
23	O-RING,TERMINAL PIN	(6) KK71EN914	(6) ->	(6) ->	(6) ->
24	WASHER,SPRING	(6) AU51AS543	(6) ->	(6) ->	(6) ->
25	HERMETIC TERMINAL	HY85FP022	->	->	->
26	O-RING,HERMETIC TERMINAL	KK71EN128	->	->	->
27	BOX,JUNCTION	HX22FB053	->	->	->
28	COVER,JUNCTION BOX	HX02FB050	->	->	->
29	KEY,ROTOR	1TD0097C	->	->	->
30	PLATE,WASHER,ROTOR	1TD0172C	->	->	->
31	LOCKWASHER,ROTOR	6TD0114C	->	->	->
32 N	HEAT SHRINK TUBING	(3) LF33MM112	(3) ->	(3) ->	(3) ->
33	GASKET,MOTOR COOLING CONN. (4 BOLT)	7TC0189C	->	->	->
34	PLUG,ORIFICE	1TC0044C	->	->	->
35	PLUG,ORIFICE (FEMALE)	1TC0052C	->	->	->
36	BEARING,FEMALE ROTOR	8TC0076C	->	->	->
37	BEARING,MALE ROTOR	8TD0066C	->	->	->
38	SLEEVE,FEMALE ROTOR	1TD0052D	->	->	->
39	SLEEVE,MALE ROTOR	1TD0165D	->	->	->
40	BEARING,POLAMIDE CAGE	(2) 8TD0062C	(2) ->	(2) ->	(2) ->
41	SPACER,BEARING INNER	(2) 1TD0054C	(2) ->	(2) ->	(2) ->
42	SPACER,BEARING,OUTER	(2) 1TD0055C	(2) ->	(2) ->	(2) ->
43	SPACER,MALE ROTOR	1TD0104C	->	->	->
44	SPACER,FEMALE ROTOR	1TD0061C	->	->	->
45	ORIFICE RING	(2)NO NEED TO REPLACE	(2) ->	(2) ->	(2) ->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				

PARTS LIST CATALOG

PARTS LIST PAGE: 025

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
COMPRESSOR GROUP					
46	ROLL PIN (3 X 8 MM)	(2) 8TC0070C	(2) ->	(2) ->	(2) ->
	NOTE: ORIFICE RING ITEM #45 IS NOT REQUIRED, DO NOT REPLACE.				
47	BEARING RETAINER	(2) 1TD0060C	(2) ->	(2) ->	(2) ->
48	WASHER,SPRING	(2) 8TD0096C	(2) ->	(2) ->	(2) ->
49	BALL BEARING,POLYAMIDE CAGE	(5) 8TD0063C	(5) ->	(5) ->	(5) ->
50	BALL BEARING,BRASS CAGE	8TD0148C	->	->	->
51	O-RING,DISCHARGE (190 X 7 MM)	8TC0343C	->	->	->
52	SPACER,MALE INLET	1TD0099D	->	->	->
53	KEY,STATOR	1TD0100C	->	->	->
54	DOWEL PIN,ROUND (19 X 57 MM)	(3) 8TC0244C	(3) ->	(3) ->	(3) ->
55	DOWEL PIN,DIAMOND (19 X 57 MM)	(3) 1TC0245C	(3) ->	(3) ->	(3) ->
56	DOWEL PIN,ROUND (12 X 32 MM)	8TC0246C	->	->	->
57	DOWEL PIN,DIAMOND (12 X 32 MM)	1TC0247C	->	->	->
58	SEPERATOR PLATE (PSN 5193JXXXX)	X	X	X	X
59	RETAINER,SPRING	1TC0228C	X	1TC0228C	X
60	SLIDE VALVE (IMPORTANT! SEE NOTE)	1TD0162D	->	1TD0163D	->
61	SLIDE ROD,CAPACITY (SEE NOTE!!!!)	1TD0213D	->	1TD0216D	->
	NOTE: IF REPLACING SLIDE ROD ON D40 & D60 MACHINES BUILT PRIOR TO 4/97 OR ANY OTHER MACHINE BUILT PRIOR TO 10/97 REFER TO S.B. C9908.				
62	PISTON,SLIDE VALVE (35MM)	1TD0044D	->	->	->
63A	COVER,SLIDE VALVE	1TD0072D	1TD0049D	1TD0072D	1TD0049D
63B	COVER,SLIDE VALVE (PSN 5093J)	X	X	X	X
63C	COVER,SLIDE VALVE (SSN 5193J)	X	X	X	X
64	GUIDE/SEAL ASSEMBLY	8TD0075D	(2) ->	->	(2) ->
65	SLIDE SEAL ADAPTER	1TC0226C	->	->	->
66	SEAL RING	8TC0057C	->	->	->
67	SPRING,UNLOADER (INNER)	8TC0137C	->	8TC0167C	->
68	SPRING,UNLOADER (OUTER)	8TC0166C	->	8TC0168C	->
69	WASHER	8TC0145C	->	->	->
69A	SPACER	X	1TC0471C	X	1TC0471C
70	COLLAR,LOCKING (35MM)	(2) KT51H2100	(2) ->	(2) ->	(2) ->
71A	LOCKNUT (35MM)	X	X	X	X
71B	LOCKNUT,ADJUSTABLE (35MM)(SSN 5096V)	(2) KT51H2100	(2) ->	(2) ->	(2) ->
71C	LOCKNUT (35MM) (PSN 5196V)	(2) 8TC0048C	(2) ->	(2) ->	(2) ->
	NOTE: FOR MORE INFORMATION REFER TO SERVICE BULLETIN C9908.				
72	LOCKWASHER	(2) 8TC0051C	(2) ->	(2) ->	(2) ->
73	O-RING (REF. ONLY, DO NOT REPLACE)	X	X	X	X
74	O-RING (57 X 3.5 MM)	KK71EW22B	->	->	->
75A	O-RING (165 X 3.5 MM) (PSN 5093J)	X	X	X	X
75B	O-RING (SSN 5093J)	X	X	X	X
76	O-RING (REF. ONLY DO NOT REPLACE)	NOT REQUIRED	->	->	->
77	O-RING (165 X 3.5 MM)	8TC0119C	->	->	->
78	CAPACITY CONTROL VALVE PACKAGE	(2) 23X1660001	(2) ->	(2) ->	(2) ->
	NOTE: INCLUDES ITEMS 79 - 81.				
79	VALVE,CAPACITY CONTROL	2TC0025D	->	->	->
80	O-RING (8 X 2.5 MM)	(2) 8TC0154C	(2) ->	(2) ->	(2) ->
81	SCREW, SOCKET HEAD	(3) 8TC0092C	(3) ->	(3) ->	(3) ->
82	SOLENOID COIL (24V)	EF19ZE025	->	->	->
	NOTE: SOLENOID COIL NOT SOLD IN CAPACITY CONTROL PACKAGE, MUST BE ORDERED SEPARATELY.				
83	O-RING (111 X 3.5 MM)	X	X	X	X
84A	O-RING (137 X 3.5 MM) (PSN 5093J)	X	X	X	X
84B	O-RING (SSN 5193J)	X	X	X	X
85	O-RING (123.5 X 3.5 MM)	8TD0089C	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 026

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
COMPRESSOR GROUP					
86	O-RING (149 X 3.5 MM)	8TD0087C	->	->	->
87A	VALVE STOP (PSN 5093J)	X	1TD0042D	X	1TD0116D
87B	VALVE STOP (SSN 5193J)	X	1TD0242D	X	1TD0243D
88A	SLIDE ROD \ VI	X	X	X	X
88B	SLIDE ROD \ VI (PSN 5093J)	X	1TD0212D	X	1TD0215D
88C	SLIDE ROD \ VI (SSN 5193J)	X	1TD0047D	X	1TD0068D
89	PISTON,SLIDE VALVE (20MM)	X	1TD0043D	X	1TD0043D
90A	CYLINDER STOP	X	1TD0045D	X	1TD0045D
90B	CYLINDER STOP (PSN 5093J)	X	X	X	X
90C	CYLINDER STOP (SSN 5093J)	X	X	X	X
91	SEAL RING	X	8TC0056C	X	8TC0056C
92	RETAINER,SLIDE SEAL	X	1TC0201C	X	1TC0201C
93	LOCKNUT (M20)	X	(2) 8TC0047D	X	(2) 8TC0047D
94	LOCKWASHER (M20)	X	(2) 8TC0050C	X	(2) 8TC0050C
95	RING,SNAP	X	(2) 8TC0138C	X	(2) 8TC0138C
96	O-RING (139 X 4 MM) (PSN 5193J)	X	X	X	X
97	PLUG,SLIDE CASING (SSN 5193J)	1TD0050D	->	->	->
98	O-RING (152 X 3.5MM) (SSN 5193J)	X	X	X	X
99	WASHER (SSN 5193J)	X	X	X	X
100	SCREW,BUTTON (SSN 5193J)	X	X	X	X
101	DOMEL PIN (SSN 5193J)	X	X	X	X
102	LOCKING PLUG,CYL. STOP (SSN 5193J)	X	(3) 8TD0122C	X	(3) 8TD0122C
103	O-RING,CYLINDER STOP LOCKING PLUG	X	(3) KK71EW904	X	(3) KK71EW904
104	O-RING (133 X 4 MM) (SSN 5193J)	X	X	X	X
105	O-RING (17 X 2 MM)	X	8TC0172C	->	->
106	PIPE PLUG (1/4 NPTF)	CA64AT051	->	->	->
107	HOLLOW HEX PLUG (1-3/16-12)	8TD0105C	->	->	->
	NOTE: INCLUDES ITEM 108.				
108	O-RING,1-3/16 HOLLOW HEX PLUG	KK71EW914	->	->	->
109	HOLLOW HEX PLUG (7/16-20)	(4) 8TC0106C	(4) ->	(4) ->	(4) ->
	NOTE: INCLUDES ITEM 110.				
110	O-RING,7/16 HOLLOW HEX PLUG	(4) KK71EW904	(4) ->	(4) ->	(4) ->
111	HOLLOW HEX PLUG (9/16-18)	(5) 8TC0107C	(5) ->	(5) ->	(5) ->
	NOTE: INCLUDES ITEM 112.				
112	O-RING,9/16 HOLLOW HEX PLUG	KK71EW906	->	->	->
113	HOLLOW HEX PLUG (3/4-16)	(2) 8TC0108C	(2) ->	(2) ->	(2) ->
	NOTE: INCLUDES ITEM 114.				
114	O-RING,3/4 HOLLOW HEX PLUG	(2) KK71EW908	(2) ->	(2) ->	(2) ->
115	HOLLOW HEX PLUG (1-1/16-12)	(2) 8TC0109C	(2) ->	(2) ->	(2) ->
	NOTE: INCLUDES ITEM 116.				
116	O-RING,1-1/16 HOLLOW HEX PLUG	(2) KK71EW912	(2) ->	(2) ->	(2) ->
	NOTE: HARDWARE USED TO ASSEMBLE COMPRESSOR ARE METRIC. HARDWARE USED ON OTHER MACHINE COMPONENTS ARE ENGLISH.				
117	SOCKET HEAD CAPSCREW (M10-1.5 X 40)	(10) 8TC0094C	(10) ->	(10) ->	(10) ->
118	SOCKET HEAD CAPSCREW (M5-0.8 X 12)	(10) 8TC0091C	(10) ->	(10) ->	(10) ->
119	SOCKET HEAD CAPSCREW (M6-1 X 16)	(16) 8TC0092C	(16) ->	(16) ->	(16) ->
120	SOCKET HEAD CAPSCREW (M12-1.75 X 40)	(4) 8TC0096C	(4) ->	(4) ->	(4) ->
121	SOCKET HEAD CAPSCREW (M12-1.75 X 50)	X	X	X	X
122	SOCKET HEAD CAPSCREW (M12-1.75 X 60)	(30) 8TC0098C	(30) ->	(30) ->	(30) ->
123	SOCKET HEAD CAPSCREW (M12-1.75 X 80)	X	X	X	X
124	SOCKET HEAD CAPSCREW (M16-2 X 55)	X	X	X	X
125	SOCKET HEAD CAPSCREW (MM20-2.5 X 70)	X	X	X	X
126	SOCKET HEAD CAPSCREW (M12-1.75 X 70)	(2) 8TD0108C	(2) ->	(2) ->	(2) ->
127	SOCKET HEAD CAPSCREW (M12-1.75 X 90)	(4) 8TD0109C	(4) ->	(4) ->	(4) ->

PARTS LIST CATALOG

PARTS LIST PAGE: 027

CATALOG NO.: REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
COMPRESSOR GROUP					
128	SOCKET HEAD CAPSCREW (M16-2 X 70)	(58) 8TD0110C	(58) ->	(58) ->	(58) ->
129	SOCKET HEAD CAPSCREW (M22-2.5 X 80)	(24) 8TD0111C	(24) ->	(24) ->	(24) ->
130	SOCKET HEAD SET SCREW(M10-1.5 X 30)	(10) 8TC0089C	(10) ->	(10) ->	(10) ->
131	SOCKET HEAD CAPSCREW (M12-1.75 X 75)	X	X	X	X
132	PIPE PLUG (1/8 NTPF)	(2) CA64AA001	(2) ->	(2) ->	(2) ->
133	HEX HEAD CAPSCREW (M10-1.5 X 50)	8TC0104C	->	->	->
134	HEX HEAD CAPSCREW (M10-1.5 X 35)	(6) 8TC0103C	(6) ->	(6) ->	(6) ->
135	SHIM PACKAGE	23XL660019	->	->	->
NOTE: SHIM PACKAGE CONTAINS 8 SHIMS IN 3 THICKNESSES, NO MORE THAN 3 SHIMS ARE TO BE USED TO OBTAIN REQUIRED CLEARANCE.					
136	SCREW,THREAD FORMING	(2) 8TC0294C	(2) ->	(2) ->	(2) ->
137	WASHER,EXTERNAL (LOCKTOOTH)	(2) AU27AS131	(2) ->	(2) ->	(2) ->
138	VALVE PAD (BLANK-OFF) PIC CONTROLS	8TC0141C	->	->	->
139A	POWER PANEL ASY (BASIC,PIC I)	23XL04003501	->	->	->
139B	POWER PANEL ASY (W/OPTIONS,PIC I)	23XL04003502	->	->	->
139C	POWER PANEL ASY (W/VI,PIC I)	23XL04003503	->	->	->
139D	POWER PANEL ASY (W/OPTIONS & VI,PIC I)	23XL04003504	->	->	->
NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED. INCLUDES ITEMS 140 - 155.					
140	TRANSFORMER (T1)	HT01BD113	->	->	->
141	TRANSFORMER (T2)	HT01AW235	->	->	->
142	TRANSFORMER (T3) (W/VI PANEL)	HT01AW235	->	->	->
143	TRANSFORMER (T4) (W/OPTIONS PANEL)	HT01BD113	->	->	->
144	BARRIER,10-VOLT	19XB05000401	->	->	->
145	BLOCK,TERMINAL (A - 51)	19XB05002301	->	->	->
146	BLOCK,TERMINAL (1 - 7)	23XL05000501	->	->	->
147	BLOCK,TERMINAL (21-23)	23XL05004301	->	->	->
148	SWITCH,VOLTAGE SELECTOR	HR67ZZ125	->	->	->
149	RELAY (W/VI)	HN61KQ120	->	->	->
150	CONTACTOR (OIL HEATER)	X	X	X	X
150A	AUXILIARY CONTACTOR,SIDE MOUNT	HN53AB035	->	->	->
151	WIRE HARNESS (15 WIRE)	23XL04005001	->	->	->
152	SNUBBER ASY	23XL04006001	->	->	->
153 N	PLUG,MOLEX (3 CIRCUIT)	(2) HY06MP001	(2) ->	(2) ->	(2) ->
154 N	RECEPTACLE,MOLEX (3 CIRCUIT)	(2) HY07MP001	(2) ->	(2) ->	(2) ->
155	GROUND LUG	HY90HR001	->	->	->
156	COVER,POWER PANEL (W/SCHEMATIC)	23XL04003601	->	->	->
157A	CONTROL PANEL ASY (BASIC,PIC I)	23XL04006801	->	->	->
157B	CONTROL PANEL ASY (W/OPTIONS,PIC I)	23XL04006802	->	->	->
157C	CONTROL PANEL ASY (W/VI,PIC I)	23XL04006801	->	->	->
157D	CONTROL PANEL ASY (W/OPTIONS & VI,PIC I)	23XL04006802	->	->	->
NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED. INCLUDES ITEMS 158 - 187.					
158 N	PANEL ASY	19XB04000401	->	->	->
NOTE: INCLUDES ITEM 159.					
159	HINGE	19XB05001201	->	->	->
160	DOOR PANEL ASY	19EX04003901	->	->	->
161	LOCK,CAM (W/KEYS)	KA19NL010	->	->	->
162	LID ASSEMBLY (PIC I)	CES0130036	->	->	->
163	LIGHT ASSEMBLY (PSN 3596J)	HY19AD005	->	->	->
164	POWER SUPPLY (PSN 3596J)	HK35AA006	->	->	->



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PIC CONTROLS					
165	FILTER,RFI (PSN 3596J)	HK992Z003	->	->	->
166	LID BATTERY (REFER TO SB C9623)	CECD120803-01	->	->	->
167	BOARD,RELAY (6 PACK)	HK35AA003	->	->	->
168	POWER SUPPLY (5 VDC)	HK35AA002	->	->	->
169	MODULE ASY (PSIO)	23XL04007215	->	->	->
170	PSIO BATTERY (REFER TO SB C9623)	CECD120803-01	->	->	->
171	BREAKER,CIRCUIT (CB1 -CB4)	(4) HH83ZB001	(4) ->	(4) ->	(4) ->
172	BUMPER,RUBBER	(2) KA58MR001	(2) ->	(2) ->	(2) ->
173	WIRE HARNESS (15 WIRE)	23XL04004601	->	->	->
174	WIRE HARNESS (7 WIRE)	23XL04001501	->	->	->
175	WIRE ASSEMBLY,RESISTOR (10K)	19XB04003301	->	->	->
NOTE: INCLUDES ITEM 176.					
176	RESISTOR (10K)	HT21A2110	->	->	->
177	WIRE ASSEMBLY,RESISTOR (3.3K)	23XL04006901	->	->	->
NOTE: INCLUDES ITEM 178.					
178	RESISTOR (3.3K)	HT21A2135	->	->	->
179	CABLE,TRANSDUCER (VESSEL OIL PRESSUR)	(3) 23XL660006	(3) ->	(3) ->	(3) ->
NOTE: INCLUDES ITEMS 180 - 181.					
180	CONNECTOR,CABLE	30GT510011	->	->	->
181	TERMINAL,PIN	(3) 30GT510010	(3) ->	(3) ->	(3) ->
182	CABLE ASY,SENSOR(COMPR. ROTOR TEMP.)	HH79N2064	->	->	->
183	CABLE ASY,SENSOR (OIL SUMP TEMP.)	HH79N2064	->	->	->
184	CONNECTOR PLUG (3 PIN)	HY84EF003	->	->	->
185	CONNECTOR PLUG (4 PIN)	HY84EF004	->	->	->
186	CONNECTOR PLUG (18 PIN)	(3) HY84EF021	(3) ->	(3) ->	(3) ->
187	CONNECTOR PLUG (6 PIN)	HY06MP106	->	->	->
188	SWITCH,HIGH PRESSURE CUTOFF	HK02ZA260	->	->	->
189	MODULE,INPUT (OPTIONS PANEL ONLY)	HK50AA006	->	->	->
190	CABLE ASY (TEMP. SENSORS)	(4) HH79N2048	(4) ->	(4) ->	(4) ->
191	SENSORS,TEMPERATURE (W/B NOZZLES)	(4) HH79N2047	(4) ->	(4) ->	(4) ->
192	TRANSDUCER,PRESS.(COOLER/COND./OIL)	(3) HK05Y2007	(3) ->	(3) ->	(3) ->
193	SENSOR,TEMP.(COMPR. ROTOR INLET/OIL)	HH79N2059	->	->	->
194	STARTER MANAGEMENT MODULE (SMH)	CESD121319-01	->	->	->
PIC II CONTROLS GROUP					
195A	POWER PANEL ASY (W/OUT V.V.I)	23XL04007401	->	->	->
195B	POWER PANEL ASY (WITH V.V.I)	23XL04007402	->	->	->
NOTE: MACHINES BUILT PRIOR TO S/N 2899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.					
INCLUDES ITEMS 196 - 208.					
196	TRANSFORMER (T1)	HT01AN235	->	->	->
197	TRANSFORMER (T2)	HT01AN235	->	->	->
198	TRANSFORMER (T3) (WITH V.V.I ONLY)	HT01AN235	->	->	->
199	CONTACTOR,OIL HEATER	HN53CC024	->	->	->
200	RELAY (WITH V.V.I ONLY)	HN61KQ120	->	->	->
201	BOARD,TERMINAL	19XR05013101	->	->	->
202	BREAKER,CIRCUIT (WITH V.V.I ONLY)	HH83ZB001	->	->	->
203	GROUND LUG	HY90HR001	->	->	->
204	COVER,POWER PANEL	19XR05000301	->	->	->
205	COVER,LO-VOLTAGE ACCESS	19XR05000401	->	->	->
206	BARRIER,LO-VOLTAGE	19XR05000401	->	->	->
207	CABLE,OIL PUMP SOLENOID (2 WIRE)	23XL04004201	->	->	->
208	CABLE,V.V.I SOLENOID (3 WIRE)	23XL04002301	->	->	->
209A	CONTROL PANEL (PIC II STANDARD)	23XL04009001	->	->	->
209B	CONTROL PANEL (PIC II W/DATAPORT)	23XL04009002	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 029

CATALOG NO.: REV.
SUPERSEDES: REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PIC II CONTROLS GROUP					
209C	CONTROL PANEL (PIC II W/DATALINK)	23XL04009005	->	->	->
	NOTE: MACHINES BUILT PRIOR TP S/N 1899J59743 HAVE PIC CONTROLS. AFTER S/N 2899J59743 PIC II CONTROLS WERE USED.				
	INCLUDES ITEMS 210 - 235.				
210	CONTROLLER, CHILLER VISUAL (CVC)	23XL04009801	->	->	->
211	BLOCK, TERMINAL	23XL05007901	->	->	->
212	MODULE, DATALINK	CEFA121549-02	->	->	->
213	MODULE, DATAPORT	CEPL130363-01	->	->	->
214	MODULE, CHILLER CONTROL (CCM)	CES0130038	->	->	->
215	BREAKER, CIRCUIT	(2) HH83ZB001	(2) ->	(2) ->	(2) ->
216	CONNECTOR (2 PIN)	HY06AM015	->	->	->
217	CONNECTOR (6 PIN)	HY06MP106	->	->	->
218	CONNECTOR (5 PIN)	HY07MP505	->	->	->
219	CONNECTOR (3 PIN)	HY04EE103	->	->	->
220	CONNECTOR (6 PIN)	HY04EE106	->	->	->
221	CONNECTOR (12 PIN)	HY04EE112	->	->	->
222	CONNECTOR (14 PIN)	HY04EE114	->	->	->
223	CONNECTOR (12 PIN)	HY04EE132	->	->	->
224	CONNECTOR (14 PIN)	HY04EE134	->	->	->
225	CAM LOCK (W/KEYS)	KA19NL010	->	->	->
226	SPACER #6-32 MALE/FEMALE	KA56CS092	->	->	->
227	RUBBER BUMPER	KA58MR001	->	->	->
228	BOLT, SHOULDER (SPECIAL)	(2) 19XR05007401	(2) ->	(2) ->	(2) ->
229	COVER, PANEL	19XR05007501	->	->	->
230	CABLE ASY, TRANSDUCER (3-WIRE 175")	19XB660006	->	->	->
231	CABLE ASY, TRANSDUCER (3-WIRE 285")	19XB660003	->	->	->
232	CABLE ASY, TRANSDUCER (3-WIRE 600")	19XB660008	->	->	->
233	CABLE ASY, SENSOR (2-WIRE 300")	HH79N2064	->	->	->
234	CABLE ASY (10-WIRE)	23XL04009401	->	->	->
235	CABLE ASY (SLIDE VALVE)	23XL04009501	->	->	->
236	SWITCH, HIGH PRESSURE CUTOFF	HK02ZA260	->	->	->
237	COIL ASY, SOLENOID (24V)	(4) EF19ZE025	(4) ->	(4) ->	(4) ->
238	SENSOR, TEMPERATURE	(4) HH79N2047	(4) ->	(4) ->	(4) ->
239	TRANSDUCER, PRESSURE	(7) HK05YZ007	(7) ->	(7) ->	(7) ->
240	RELAY, PILOT (HGBP)	HN61KK324	->	->	->
241	SENSOR, THERMISTOR	HH79N2059	->	->	->
MACHINE ARRANGEMENT & PIPING					
241A	SWITCH, OIL LEVEL & OIL SUMP TEMP.	HK13LR009	->	->	->
	NOTE: REFER TO SERVICE BULLETIN C0121.				
PIC II CONTROLS GROUP					
242	MODULE, INTEGRATED STARTER (ISM)	CES0130037	->	->	->
242A	FUSE, ISM MODULE (1 AMP)	ATO-1	->	->	->
MACHINE ARRANGEMENT & PIPING					
243	EJECTOR	X	X	X	X
244	GASKET, RING (6")	(2) 19XB55002502	(2) ->	(2) ->	(2) ->
245	GASKET, RING (4")	X	X	X	X
246	GASKET, RING (8")	19XB55002503	->	->	->
247	GASKET, RING (5")	19XB55002508	->	->	->
248A	GASKET, RING (SSN 2793J)	X	X	X	X
248B	GASKET, RING (PSN 2793J)	X	X	X	X
249	VALVE, DIAPHRAM (3/8)	X	X	X	X
250	DRIER, FILTER (MOTOR COOLING)	KH41MG278	->	->	->
251	ORIFICE, OIL SUPPLY (.150)	X	X	X	X
252	ORIFICE, OIL SUPPLY (0.90)	23XL15000701	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 030

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
253	ORIFICE, REFRIG. SUPPLY (0.13) NOTE: INCLUDES ITEM 254.	23XL45011101	->	->	->
254	O-RING	KK71EW906	->	->	->
255A	ORIFICE PLATE (50HZ W/ECON)	X	X	X	X
255B	ORIFICE PLATE (60HZ W/ECON)	X	X	X	X
256	O-RING, OIL SEPERATOR COVER	X	X	X	X
257A	FELT RING (SEPERATOR S/N SSN 50043)	X	X	X	X
257B	O-RING (SEPERATOR S/N PSN 50043)	X	X	X	X
258A	ELEMENT, OIL SEPERATOR (W/FELT RING)	X	X	X	X
258B	ELEMENT, OIL SEPERATOR (W/O-RING)	X	X	X	X
259	SIGHTGLASS, OIL SEPARATOR NOTE: INCLUDES ITEM 260.	KM36BS162	->	->	->
260	O-RING	KK71EW920	->	->	->
261	INDICATOR, MOISTURE	AH11SS5	->	->	->
262	NOZZLE ASY, MOTOR COOLING	23XL24007301	->	->	->
263	VALVE, SOLENOID (OIL SUPPLY LINE)	EF23.M532	->	->	->
264	COIL, SOLENOID (24V-1-50/60)	P510-AMG/24V	->	->	->
265	REBUILD KIT, SOLENOID VALVE EF23.M27	X	X	X	X
266	VALVE, BALL (5/8")	(3) EP71BA201	(3) ->	(3) ->	(3) ->
267	VALVE, BALL (7/8")	X	X	X	X
268	VALVE, BALL (1-1/8")	(2) EP71BA331	(2) ->	(2) ->	(2) ->
269	VALVE, BALL (2-1/8")	EP71BA511	->	->	->
270	GASKET, ECON. FLOAT VALVE (SSN1395J)	23XL45001801	->	->	->
271	SCREW, SOCKET HEAD (M12 X 1.75, 45LG)	(12) 23XL25004401	(12) ->	(12) ->	(12) ->
272	SCREW, SOCKET HEAD (M20 X 2.5, 70LG)	(12) 23XL25004402	(12) ->	(12) ->	(12) ->
273	SCREW, SOCKET HEAD (M12 X 1.75, 55LG)	(4) 23XL25004403	(4) ->	(4) ->	(4) ->
274	SCREW, SOCKET HEAD (M16 X 2.0, 25LG)	(2) 23XL25004404	(2) ->	(2) ->	(2) ->
275	SCREW, SOCKET HEAD (M6 X 1.0, 16LG)	X	X	X	X
276	SCREW, SOCKET HEAD (M6 X 1.0, 25LG)	(4) 23XL25004406	(4) ->	(4) ->	(4) ->
277	CONNECTOR (1/4-20 NPT X 3/8 TUBE)	(2) DC09SA110	(2) ->	(2) ->	(2) ->
278	CONNECTOR (7/8-14 NPT X 5/8 TUBE)	DC09SA307	->	->	->
279	CONNECTOR (7/8-14 COMP.) NOTE: INCLUDES ITEM 280.	(2) DC80SA020	(2) ->	(2) ->	(2) ->
280	O-RING	KK71EW910	->	->	->
281	REDUCER (1/2 TUBE X 3/4 O.D.)	DC21CA010	->	->	->
282	CONNECTOR, STR. (9/16-18 X 3/8 TUBE) NOTE: INCLUDES ITEM 283.	DC80SA005	->	->	->
283	O-RING	KK71EW906	->	->	->
284	CONNECTOR, STR. (3/4-16 X 1/2 TUBE) NOTE: INCLUDES ITEM 285.	DC80SA010	->	->	->
285	O-RING	KK71EW908	->	->	->
286	CONNECTOR, STR. (1-1/16-12 X 3/4 TUBE) NOTE: INCLUDES ITEM 287.	(3) DC80SA030	(3) ->	(3) ->	(3) ->
287	O-RING	KK71EW912	->	->	->
288	COUPLING (3/8 NPT X 3/8 FLARE)	X	X	X	X
289	COUPLING (1/2 NPT X 3/8 FLARE)	X	X	X	X
290	COUPLING (1/2 NPT X 1/2 FLARE)	X	X	X	X
291	CONNECTOR, ELBOW (3/4 X 1-1/16) NOTE: INCLUDES ITEM 292.	X	X	X	X
292	O-RING	X	X	X	X
293	CONNECTOR, ELBOW (9/16-18) NOTE: INCLUDES ITEM 294.	(6) DC83SA010	(6) ->	(6) ->	(6) ->
294	O-RING	KK71EW906	->	->	->
295	CONNECTOR, TEE (1-1/16-12)	DC82SA001	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 031

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
	NOTE: INCLUDES ITEM 296.				
296	O-RING	KK71EW912	->	->	->
297	CONNECTOR, ELBOW (3/4-16)	DC83SA020	->	->	->
	NOTE: INCLUDES ITEM 298.				
298	O-RING	KK71EW908	->	->	->
299	CONNECTOR, ELBOW (7/8-16)	DC83SA025	->	->	->
	NOTE: INCLUDES ITEM 300.				
300	O-RING	KK71EW910	->	->	->
301	CONNECTOR, ELBOW (7/8 X 1-3/16)	DC83SA035	->	->	->
	NOTE: INCLUDES ITEM 302.				
302	O-RING	KK71EW914	->	->	->
303	GASKET, FLARE (3/8)	X	X	X	X
304	VALVE, RELIEF (3/4" 3000)	(2) EB51FZ242	(2) ->	(2) ->	(2) ->
305	VALVE, RELIEF (1/4 X 3/8)	X	X	X	X
306	VALVE, RELIEF (3/8 X 1/2)	X	X	X	X
307	VALVE, RELIEF (1-1/4 X 1)	(2) 19XB660001	(2) ->	(2) ->	(2) ->
308	VALVE, RELIEF (1 X 1)	(2) EB51FZ316	(2) ->	(2) ->	(2) ->
309	VALVE, ANGLE (1/4 X 1/4)	X	X	X	X
310	VALVE, ANGLE (1/4 X 3/8) (ON COND.)	X	X	X	X
311	VALVE, ANGLE (3/8 X 3/8)	X	X	X	X
312	VALVE, BALL (1/2)	X	X	X	X
313	VALVE, BALL (3/4")	EP71CQ243	->	->	->
314	VALVE, BALL (1")	(2) EP71CQ324	(2) ->	(2) ->	(2) ->
315	VALVE, BALL (1-5/8)	EP71BA451	->	->	->
316	VALVE, SHUTOFF (3/4")	8022A	->	->	->
317	VALVE, SHUTOFF (1")	(2) EP83CC501	(2) ->	(2) ->	(2) ->
318	VALVE, BUTTERFLY (4")(ISOLATION VALVE)	X	X	X	X
319	VALVE, BUTTERFLY (6")(ISOLATION VALVE)	ER39MZ812	->	->	->
	NOTE: ISOLATION VALVES ITEMS 318 & 319 ARE FACTORY INSTALLED OPTIONS NOT ALL MACHINES WILL HAVE THESE INSTALLED.				
320	PLATE, DISCHARGE VALVE LOCKING	23XL25001901	->	->	->
321	FLANGE ADAPTER (4" TO 6")	X	X	X	X
322	HEATER, OIL	X	X	X	X
	NOTE: INCLUDES ITEM 323.				
323	O-RING, OIL HEATER	X	X	X	X
324	STRAINER, REFRIGERANT	X	X	X	X
325A	HOUSING, FILTER (VERTICAL MOUNTED)	KH18MB003	->	->	->
	NOTE: USED ON ALL "D" COMPR. MACHINES. ONLY USED "C" COMPR. MACHINES BUILT AFTER 1/2000.				
325B	HOUSING, FILTER (HORIZONTAL MOUNTED)	X	X	X	X
	NOTE: ONLY USED ON "C" COMPR. MACHINES BUILT PRIOR TO 1/2000.				
327A	OIL FILTER PKG. (VERTICAL MOUNTED)	23XL660016	->	->	->
	NOTE: INCLUDES ITEMS 328A & 329A USED ON ALL "D" COMPR. AND "C" COMPR. MACHINES BUILT AFTER 1/2000.				
327B	OIL FILTER PKG. (HORIZONTAL MOUNTED)	X	X	X	X
	NOTE: INCLUDES ITEMS 328B & 329B. ONLY USED ON "C" COMPR. MACHINES BUILT PRIOR TO 1/2000.				
328A	O-RING, FILTER (VERTICAL MOUNTED)	KK71EW154	->	->	->
328B	O-RING, FILTER (HORIZONTAL MOUNTED)	X	X	X	X
329A	FILTER, CARTRIDGE (VERTICAL MOUNTED)	KH39MR003	->	->	->
329B	FILTER, CARTRIDGE (HORIZ. MOUNTED)	X	X	X	X
330	GSKT, COND. DRAIN(4-BOLT)(POPPET VALV	23XL45007201	->	->	->
331	O-RING (2-1/4)	X	X	X	X
332	GSKT, COND. DRAIN(NOTCHED)(POPPET VAL	23XL45007301	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 032

CATALOG NO.: REV.
SUPERSEDES: REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
333A	FLANGE (COND. DRAIN) USED W/GASKET	DK16CB701	->	->	->
333B	FLANGE (COND. DRAIN) USED W/O-RING	DK16CB702	->	->	->
334	O-RING (2-3/8")	(2) KK71EW229	(2) ->	(2) ->	(2) ->
335A	O-RING,COMPR. DISCHARGE (SSN 2793J)	X	X	X	X
335B	O-RING,COMPR. DISCHARGE (PSN 2793J)	X	X	X	X
336	GASKET,COMPR. DISCHARGE (12 BOLT)	23XL45001301	->	->	->
337	SPRING,OIL FILTER HOUSING	X	X	X	X
338	GAUGE,COMPOUND	KM03AF300	->	->	->
338A	VALVE ASY,ECON. BACK PRESS.(PSN 5025)	X	X	X	X
338B	O-RING,ECON. BACK PRESS VALVE COVE	X	X	X	X
338C	SPRING,ECON. BACK PRESS VALVE	X	X	X	X
338D	PISTON,ECON. BACK PRESS VALVE	X	X	X	X
338E	CONNECTOR,COMPRESSION	X	X	X	X
338F	FILTER DRIER (ECON TO COMPR. LINE)	X	X	X	X
NOTE: PART USED ON MACHINES BUILT PRIOR TO SN 5025J.					
339	SIGHTGLASS	X	X	X	X
NOTE: INCLUDES ITEM 340.					
340	O-RING	X	X	X	X
341	SIGHTGLASS	(2) KM36B2002	(2) ->	(2) ->	(2) ->
342	VALVE,BALL (1/2") (COOLER)	EP71CQ102	->	->	->
343	SCREEN ASSEMBLY,FLOAT	09XB04000901	->	->	->
344	GASKET,COND. FLOAT VALVE	09XB45001901	->	->	->
344A	END CAP,FLOAT VALVE	09XB05002101	->	->	->
345	VALVE,POPPET (CONDENSER DRAIN)	X	X	X	X
346	SWITCH,LEVEL & TEMP (3/4 NPT)(SSN 14	HK13LB001	->	->	->
347	SWITCH,LEVEL (1-5/16) (PSN 1495J)	HK13ZB001	->	->	->
NOTE: PRIOR TO S/N 1495J A SEPARATE TEMP. SENSOR WAS USED (HM79NZ047)					
INCLUDES ITEM 348.					
348	O-RING,LEVEL SWITCH (PSN 1495J)	KK71EW920	->	->	->
349	RECEPTACLE(USED W/LEVEL SW HK13ZB001	HY07MP003	->	->	->
350	RECEPTACLE(USED W/LEVEL SW HK13LB001	RM05ED209	->	->	->
351	CABLE (12' YELLOW) (USED W/HK13LB001	23XL04006501	->	->	->
352	VALVE ASY,FLOAT (COND./ECON LINEAR T	(2) 23XL44001001	(2) ->	(2) ->	(2) ->
NOTE: USED ON MACHINES BUILT AFTER 8/92. INCLUDES ITEMS 353 - 354.					
353	SHAFT,FLOAT	09XB05004101	->	->	->
354	RING,RETAINING	(3) AU45AZ025	(3) ->	(3) ->	(3) ->
355	FLOAT VALVE ASY (OLD STYLE BALL TYPE	X	X	X	X
NOTE: USED ON MACHINES BUILT BEFORE 8/92. INCLUDES ITEMS 356 - 360.					
356	BALL,FLOAT	X	X	X	X
357	SHAFT,DRIVE	X	X	X	X
358	COLLAR,SHAFT	X	X	X	X
359	BEARING,BALL	X	X	X	X
360	RING,SNAP	X	X	X	X
361	VALVE ASY,DISCHARGE CHECK	23XL44002601	->	->	->
NOTE: INCLUDES ITEMS 362 - 364.					
362	PIN	23XL45001901	->	->	->
363	DOOR	NOT SOLD SEPARATELY	->	->	->
364	RING,SNAP	(2) AU48AR038	(2) ->	(2) ->	(2) ->
365	COOLER TUBES (SEE NOTE)	TUBE QUANTITY	->	->	->
NOTE: TO OBTAIN THE PROPER TUBES FOR YOUR PARTICULAR MACHINE CONTACT YOUR CARRIER REPRESENTATIVE. YOU MUST PROVIDE MACHINE SERIAL NO.					
365A	COOLER TUBE QTY. (COOLER CODE 10)	X	X	X	X
365B	COOLER TUBE QTY. (COOLER CODE 11)	X	X	X	X
365C	COOLER TUBE QTY. (COOLER CODE 20)	X	X	X	X

PARTS LIST CATALOG

PARTS LIST PAGE: 033

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
MACHINE ARRANGEMENT & PIPING					
365D	COOLER TUBE QTY. (COOLER CODE 21)	X	X	X	X
365E	COOLER TUBE QTY. (COOLER CODE 40)	201	->	->	->
365F	COOLER TUBE QTY. (COOLER CODE 41)	227	->	->	->
365G	COOLER TUBE QTY. (COOLER CODE 42)	257	->	->	->
365H	COOLER TUBE QTY. (COOLER CODE 43)	290	->	->	->
366	CONDENSER TUBES (SEE NOTE)	TUBE QUANTITY	->	->	->
NOTE: TO OBTAIN THE PROPER TUBES FOR YOUR PARTICULAR MACHINE CONTACT YOUR CARRIER REPRESENTATIVE. YOU MUST PROVIDE MACHINE SERIAL NO.					
366A	CONDENSER TUBE QTY. (COND. CODE 10)	X	X	X	X
366B	CONDENSER TUBE QTY. (COND. CODE 11)	X	X	X	X
366C	CONDENSER TUBE QTY. (COND. CODE 20)	X	X	X	X
366D	CONDENSER TUBE QTY. (COND. CODE 21)	X	X	X	X
366E	CONDENSER TUBE QTY. (COND. CODE 40)	218	->	->	->
366F	CONDENSER TUBE QTY. (COND. CODE 41)	247	->	->	->
366G	CONDENSER TUBE QTY. (COND. CODE 42)	279	->	->	->
366H	CONDENSER TUBE QTY. (COND. CODE 43)	315	->	->	->
367A	GSKT.COOL W/B 17 HOLE FR#1 SSM 2593J	X	X	X	X
367B	GSKT.COOL W/B 34 HOLE FR#1 PSN 2593J	X	X	X	X
367C	GSKT.COOL W/B 20 HOLE FR#2 SSM 2593J	X	X	X	X
367D	GSKT.COOL W/B 40 HOLE FR#2 PSM 2593J	X	X	X	X
367E	GASKET.COOLER W/B (CODE 40-43 NIH)	(2) 10XB45000601	(2) ->	(2) ->	(2) ->
367F	GASKET.COOLER W/B (CODE 40-43 MARINE)	(2) 10XB45001501	(2) ->	(2) ->	(2) ->
368A	GSKT.COND W/B 17 HOLE FR#1 SSM 2593J	X	X	X	X
368B	GSKT.COND W/B 34 HOLE FR#1 PSN 2593J	X	X	X	X
368C	GSKT.COND W/B 20 HOLE FR#2 SSM 2593J	X	X	X	X
368D	GSKT.COND W/B 40 HOLE FR#2 PSM 2593J	X	X	X	X
368E	GASKET.COND. W/B (NIH)	(2) 09XB45001101	(2) ->	(2) ->	(2) ->
368F	GASKET.COND. W/B (MARINE 1 & 3 PASS)	(2) 09XB45002401	(2) ->	(2) ->	(2) ->
368G	GSKT.COND. W/B(MARINE 2 PASS BLK END	09XB45002401	->	->	->
368H	GSKT.COND. W/B(MARINE 2 PASS W/B END	09XB45002801	->	->	->
369A	GASKET.DIV. PLT. (25" STRIP PSN3694J	(2) 10XB25002001	(2) ->	(2) ->	(2) ->
369B	GASKET.DIV. PLT. (25" BULLET SSM3694 HOT GAS BYPASS	19XB680001	->	->	->
370	VALVE.SOLENOID (HGBP)	FF23JS333	->	->	->
371	REBUILD KIT.SOLENOID VALVE	KS-E34	->	->	->
372	VALVE.BALL (1-3/8) (HGBP)	904511	->	->	->
373	RELAY.PILOT (HGBP) PUMPDOWN ASSEMBLY	HN61KK324	->	->	->
374A	PUMPDOWN ASY. (208-3-60) (R134A)	19EA411113	->	->	->
374B	PUMPDOWN ASY. (230-3-60) (R134A)	19EA421113	->	->	->
374C	PUMPDOWN ASY. (400/460-3-50/60) (R13	19EA431113	->	->	->
374D	PUMPDOWN ASY. (575-3-60) (R134A)	19EA461113	->	->	->
375A	PUMPDOWN ASY. (208-3-60) (R22)	19XB04280601	->	->	->
375B	PUMPDOWN ASY. (230-3-60) (R22)	19XB04280602	->	->	->
375C	PUMPDOWN ASY. (400/460-3-50/60) (R22	19XB04280603	->	->	->
375D	PUMPDOWN ASY. (575-3-60)	19XB04280604	->	->	->
NOTE: INCLUDES ITEMS 376 - 431.					
376A	COMPRESSOR ASY. (208/230-3-60)	06DM80866C3250	->	->	->
376B	COMPRESSOR ASY. (400/460-3-50/60)	06DM80866C3650	->	->	->
376C	COMPRESSOR ASY. (575-3-60)	06DM80866C3150	->	->	->
NOTE: INCLUDES ITEMS 377 - 399.					
377 N	GASKET SET	6D43172	->	->	->
378 N	VALVE PLATE PACKAGE (1-13/16" BORE	NO LONGER AVAILABLE	->	->	->
NOTE: INCLUDES ITEMS 378A - 378G.					



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PUMPDOWN ASSEMBLY					
378AN	VALVE PLATE ASY. (L.H. BANK)	NO LONGER AVAILABLE	->	->	->
378BN	SUCTION VALVE	(2) 6D451072	(2) ->	(2) ->	(2) ->
378CN	GASKET,VALVE PLATE	6D401073	->	->	->
378DN	GASKET,CYLINDER HEAD	05GA502213	->	->	->
378EN	SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->	(2) ->	(2) ->
378FN	DISCHARGE VALVE	(2) 6D751062	(2) ->	(2) ->	(2) ->
378GN	DISCHARGE VALVE STOP	(2) 6D751072	(2) ->	(2) ->	(2) ->
379 N	VALVE PLATE PACKAGE (2" BORE)	06DA660120	->	->	->
NOTE: INCLUDES ITEMS 379A - 379J.					
379AN	VALVE PLATE ASY.	06DA404674	->	->	->
379BN	GASKET,VALVE PLATE	05DA500153	->	->	->
379CN	GASKET,CYLINDER HEAD (PLAIN)	05GA502213	->	->	->
379DN	GASKET,CYLINDER HEAD (S.C.D.U.)	05GA502223	->	->	->
379EN	SUCTION VALVE	(2) 06DA502903	(2) ->	(2) ->	(2) ->
379FN	SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->	(2) ->	(2) ->
379GN	GASKET,CYLINDER HEAD (CENTER BAN	05GA502173	->	->	->
379HN	GASKET,VALVE PLATE (LESS I PORT)	06DA502923	->	->	->
379 N	DOMEL PIN	7J16032	->	->	->
394 N	PISTON & PIN PACKAGE	(2) 6D68962	(2) ->	(2) ->	(2) ->
395 N	ECCENTRIC STRAP	(2) 5D401372	(2) ->	(2) ->	(2) ->
396 N	COMPRESSION RING	(2) AU50CP355	(2) ->	(2) ->	(2) ->
398 N	BEARING HEAD ASY.	06DA660060	->	->	->
399 N	OIL FILTER ASY. (SCREEN)	6D40103	->	->	->
400	SERVICE VALVE PACKAGE (SUCTION)	5F20660002	->	->	->
NOTE: INCLUDES ITEMS 401 - 404.					
401	VALVE (5/8" ODS)	NOT SOLD SEPARATELY	->	->	->
402	GASKET,SUCTION VALVE	6D231421	->	->	->
403	BOLT,HEX. HEAD	NOT SOLD SEPARATELY	->	->	->
404	BUSHING (5/8" X 1/2")	NOT SOLD SEPARATELY	->	->	->
405	SERVICE VALVE PACKAGE (DISCHARGE)	06DA660060	->	->	->
NOTE: INCLUDES ITEMS 406 - 408.					
406	VALVE. (5/8" ODS)	NOT SOLD SEPARATELY	->	->	->
407	GASKET,DISCHARGE VALVE	6D231421	->	->	->
408	BOLT,HEX. HEAD	NOT SOLD SEPARATELY	->	->	->
409	CONDENSER ASSEMBLY	19EA41531	->	->	->
NOTE: INCLUDES ITEMS 410 - 411.					
410	TRY COCK ASSEMBLY	7F0132	->	->	->
411	VALVE,LIQUID	EP12BH211	->	->	->
412	COMPR.OVERLOAD(30A)(FURNAS-MAN.RESET	HM68JX003	->	->	->
413A	OVERLOAD HEATER (208V)	(3) HM71JC050	(3) ->	(3) ->	(3) ->
413B	OVERLOAD HEATER (230V)	(3) HM71JC049	(3) ->	(3) ->	(3) ->
413C	OVERLOAD HEATER (460V)	(3) HM71JC036	(3) ->	(3) ->	(3) ->
413D	OVERLOAD HEATER (575V)	(3) HM71JC031	(3) ->	(3) ->	(3) ->
414	CONTROL BOX COVER	07DA500002	->	->	->
415A	CONTROL BOX ASSEMBLY (R22)	19EA42588	->	->	->
415B	CONTROL BOX ASSEMBLY (R134A)	19EA41588	->	->	->
NOTE: INCLUDES ITEMS 416 - 422.					
416	TERMINAL BLOCK	HY84EG017	->	->	->
417	CONTACTOR	HM53CD115	->	->	->
418A	SWITCH,PRESSURE (R22)	HK01UA107	->	->	->
418B	SWITCH,PRESSURE (R134A)	HK01UA101	->	->	->
419	SWITCH,TOGGLE	HR53ZA035	->	->	->
420	FUSE HOLDER	HKP-HH	->	->	->
421	FUSE (3 AMP)	AGC3	->	->	->

PARTS LIST CATALOG

PARTS LIST PAGE: 035

CATALOG NO. : REV.
SUPERSEDES : REV.

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.



HERMETIC SCREW LIQUID
CHILLER

23XL

SIZE: 001 004
SERIES: INGERSOLL

ITM	PART DESCRIPTION	23XL-----D40	23XL-----D41	23XL-----D60	23XL-----D61
		INGERSOLL	INGERSOLL	INGERSOLL	INGERSOLL
PUMPDOWN ASSEMBLY					
422	GROMMET	KA56XM040	->	->	->
423	SAFETY HEAD	EB51LR305	->	->	->
424	OIL SEPERATOR	KH31L2008	->	->	->
425	GASKET,OIL SEPERATOR	KY31LY0031A	->	->	->
426	VALVE,DIAPHRAM (1/2")	(4) A-14841	(4) ->	(4) ->	(4) ->
427	VALVE,ANGLE	EP23LA211	->	->	->
428	GASKET,CAPSCREW (5/16")	(4) AU51YA003	(4) ->	(4) ->	(4) ->
429	GASKET,FLARE (1/2")	DD24FA151	->	->	->
430	SPRING,COMPRESSOR MOUNTING	(4) 50K21231	(4) ->	(4) ->	(4) ->
431	SPRING CUP,COMPRESSOR MOUNTING	(4) 50K41221	(4) ->	(4) ->	(4) ->
MISCELLANEOUS GROUP					
432 N	PAINT,HORIZON GREEN (SPRAY CAN)	PH23GH017	->	->	->
433 N	PAINT,AMER. STERLING GREY (SPRAY CAN)	PH23GH022	->	->	->
434 N	PAINT,AMER. STERLING GREY (GALLON CA)	PH23GH022G	->	->	->
435 N	BRUSH,TUBE CLEANING (3/4" I.D.)	KC21AH105	->	->	->
436 N	OIL,COMPRESSOR (5 GALLON)	PP23BZ104	->	->	->
NOTE: USED WITH BOTH R-22 & R-134A REFRIGERANTS.					
437 N	FIBER GASKET SEALANT	19XL680002	->	->	->
438 N	INSULATION,SHEET	QR0948486434	->	->	->
439 N	TEMP. SENSOR PACKAGE (SPARE SENSORS)	HM79N2024	->	->	->
440 N	TUBING, HEAT SHRINK	LF33MM112	->	->	->
441 N	PRESS. DIFFERENTIAL FLOW SWITCH	(2) HK06ZC033	(2) ->	(2) ->	(2) ->
442	BACK PRESSURE VALVE	23XL24005301	->	->	->
443	O-RING,BACK PRESSURE VALVE	KK71EW034	->	->	->
444	SERVICE TOOL KIT (MAJOR OVERHAUL)	23XL660010	->	->	->
445	TOOL,SLIDE VALVE LOCKNUT SOCKET	T-144502D	->	->	->
446	SERVICE KITS	REFER TO KITTING	->	->	->
447 N	INSULATING SLEEVE,LO-VOLT TERMS(PIC)	(6) LF33MM112	(6) ->	(6) ->	(6) ->
448 N	INSULATING SLEEVE,LO-VOLT TERMS(PIC)	(6) LF33MM112	(6) ->	(6) ->	(6) ->
449 N	INSULATING PUTTY,MED-VOLT TERMS.	19EA6111102	->	->	->
450 N	ELECTRICAL TAPE,MED-VOLT TERMS.	19EA6111112	->	->	->