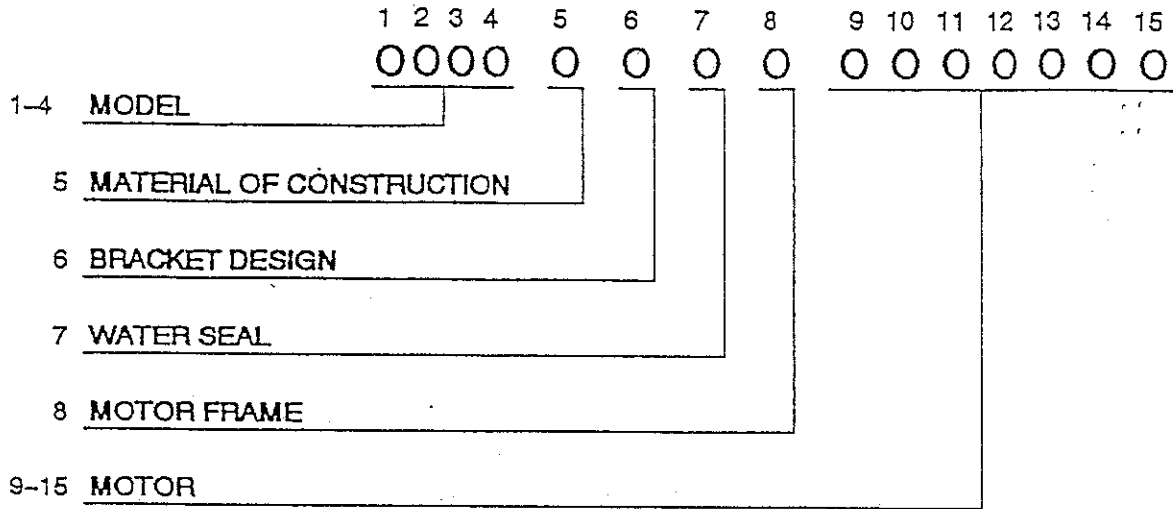


---

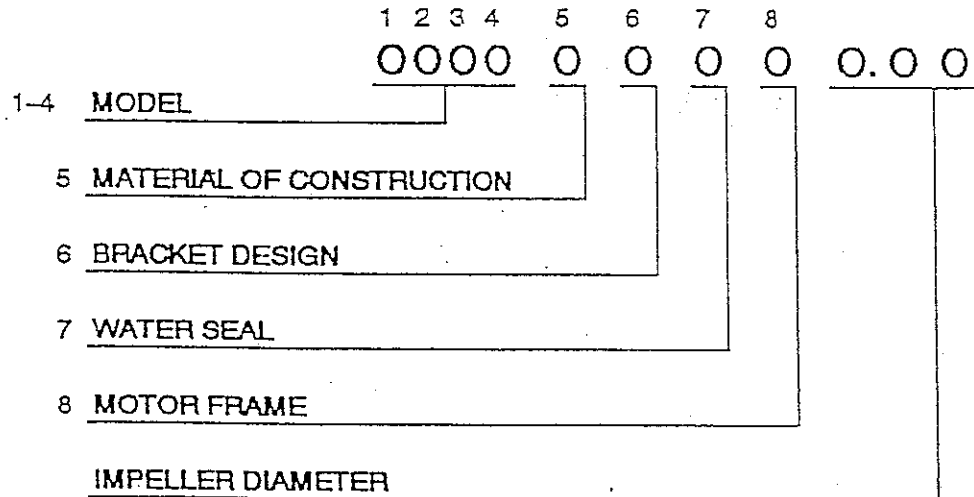
**Taco  
Model Number  
Code**

---

## KEY TO 1600 SERIES PUMP CODE



## STAMPING OF NAMEPLATE



REFERENCE ONLY

NOV 06 1997

F	2-17-93	ECN2309	R.H.					
REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.	

## KEY TO 1600 SERIES PUMP CODE

**PUMP MODELS**  
(POSITIONS 1-4)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

*121	*131	1600	1612	1616	1630	1636
*122	*132	1610	1614	1619	1632	1638
	*133	1611	1615		1634	1640
	*138				1635	1641

\*-POSITION 1 NOT APPLICABLE ON THESE MODELS

**MATERIAL OF CONSTRUCTION**  
(POSITION 5)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
 0 0 0 0  0 0 0 0 0 0 0 0 0 0 0

CODE LETTER	CASING	IMPELLER	SHAFT	SHAFT SLEEVE	BRACKET
A CAST IRON (OPTIONAL)	CAST IRON	BRONZE <i>C.I.</i> <i>121 to 132 only</i>	ALLOY STEEL	CUPRO-NICKEL	CAST IRON
B ALL BRNZ. (OPTIONAL)	BRONZE	BRONZE	ALLOY STEEL	CUPRO-NICKEL	CAST IRON WITH BRONZE FACE PLATE
C BRZ FIT'D (STD)	CAST IRON	BRONZE	ALLOY STEEL	CUPRO-NICKEL	CAST IRON

**REFERENCE ONLY**

NOV 06 1997

KEY TO 1600 SERIES PUMP CODE

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
M	2-17-93	ECN 2309	KH				

A-DI-1600-210

REV.

BRACKET DESIGN  
(POSITION 8)

1234 5 6 7 8 9 10 11 12 13 14 15  
0000 0  0 0 0 0 0 0 0 0

CODE NO	DESCRIPTION
2	SLEEVE BEARING CARTRIDGE (OBSOLETE)
3	BALL BEARING CARTRIDGE
4	AS 3 EXCEPT 2' FLGS. 1611 AND 1615 ONLY

WATER SEAL  
(POSITION 7)

1234 5 6 7 8 9 10 11 12 13 14 15  
0000 0 0  0 0 0 0 0 0 0

CODE LETTER	DESCRIPTION
N (STD)	SEAT HALF: NI-RESIST RUBBER: EPT
E	SEAT HALF: CERAMIC RUBBER: EPT
H	SEAT HALF: TUNGSTON CARBIDE RUBBER: EPT
V (OBS)	SEAT HALF: NI-RESIST RUBBER: VITON

REFERENCE ONLY

NOV 06 1997

A	11/22/96	ECN 5308	<i>[Signature]</i>				
REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP

KEY TO 1600 SERIES PUMP CODE

MOTOR FRAME  
(POSITION 8)

1234 5 6 7 8 9 10 11 12 13 14 15  
0000 0 0 0  0 0 0 0 0 0 0

MOTOR FRAME CODE	DESCRIPTION	RESIL. RING DIA.
1	48, ODP & FOOT MTD, 1/2 HP	2-1/4
2	56, ODP, 3/4 & 1 HP	2-1/2
3	56, ODP, 1-1/2 & 2 HP	2-1/2
4	56, ODP, 3 HP	2-1/2
5	56, FOOT MTD	N/A
6	143 & 145T, FOOT MTD	N/A
7	48, ODP & FOOT MTD, TACO CANADA	2-1/2
8	48, ODP & FOOT MTD, 1/4 & 1/3 HP	2-1/4

REFERENCE ONLY

MOTOR  
(POSITIONS 9-15)

NOV 06 1997

1234 5 6 7 8 9 10 11 12 13 14 15  
0000 0 0 0 0

- NOTES: 1. THREE DIGIT MOTOR PART NUMBERS PRECEDED BY 0  
2. DELETE DASH FROM MOTOR PART NUMBERS  
EXAMPLE: MOTOR NUMBER 132-096 BECOMES 0132096  
MOTOR NUMBER 1636-010 BECOMES 1636010  
3. FOR PUMPS LESS MOTOR, POSITION NO. 9 MAY HAVE CODE LETTER S OR L. SEE A-PL-1600-219 SHEET 5.

FOR MOTOR PART NUMBERS SEE DRAWINGS A-907-055 & A-907-064

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP

KEY TO 1600 SERIES PUMP CODE

**1600 SERIES PUMPS LESS MOTOR**  
 INCLUDES MOTOR MOUNTING HARDWARE AND COUPLING

NO	MOD NO	MOTOR HP	PH	MTR FRM	PUMP CODE: BRONZE FITTED	PUMP CODE: ALL BRONZE
1	1611	1/4 - 1/3	1 & 3	48	1611C3N1 S000000	1611B3E1 S000000
2	1611	1/2	1 & 3	48	1611C3N1 L000000	1611B3E1 L000000
3	1615	1/3	1 & 3	48	1615C3N1 S000000	1615B3E1 S000000
4	1615	1/2	1 & 3	48	1615C3N1 L000000	1615B3E1 L000000
5	1615	3/4 - 1	1 & 3	56	1615C3N2 0000000	1615B3E2 0000000
6	1619	3/4 - 1	1 & 3	56	1619C3N2 0000000	1619B3E2 0000000
		1-1/2	3	56		
7	1619	1-1/2	1	56	1619C3N3 0000000	1619B3E3 0000000
		2	1 & 3	56		
8	1635	1/2	1 & 3	48	1635C3N1 L000000	1635B3E1 L000000
9	1635	3/4 - 1	1 & 3	56	1635C3N2 0000000	1635B3E2 0000000
		1-1/2	3	56		
10	1635	1-1/2	1	56	1635C3N3 0000000	1635B3E3 0000000
11	1641	1-1/2	3	56	1641C3N3 0000000	1641B3E3 0000000
12	1641	1-1/2	1	56	1641C3N2 0000000	1641B3E2 0000000
		2	1 & 3	56		
13	1641	3	3	56	1641C3N4 0000000	1641B3E4 0000000

*Bracket*  
 121-051  
 132-03E  
 21-051  
 132-033  
 133-031  
 133-031  
 132-033  
 133-03  
 1636-00  
 133-031  
 1636-004  
 1636-002

**REFERENCE ONLY**

NOV 0 6 1997

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP

KEY TO 1600 SERIES PUMP CODE

PRODUCT No

1911
1915
1919
1935
1941

REFERENCE ONLY

MATERIALS

NOV 6 1957

CONSTRUCTION	CODE LETTER
ALL BRONZE	B
BRONZE FITTED	C

DESIGN AND OR OPTIONS

FEATURE	CODE NUMBER
1ST DESIGN (CURRENT)	1
1ST DESIGN WITH 2" FLANGES	Δ 2
1ST DESIGN LESS CASING & FLG SET	3

Δ 1911 AND 1915 ONLY

WATER SEAL

CONSTRUCTION	CODE LETTER
EPT, NI-RESIST	N (STD)
EPT, TUNGSTEN CARB.	H
EPT, CERAMIC	E

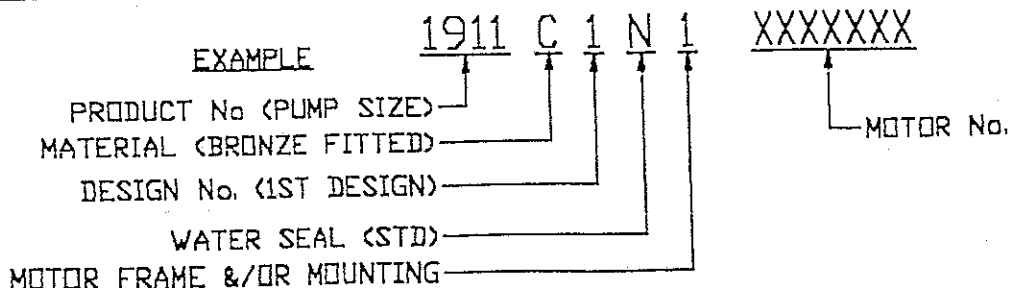
MOTOR FRAME

FRAME AND/OR MOUNTING	CODE NUMBER
56C FACE	1

MOTOR NOS. STD.

MOTOR TYPE	MOTOR No.
SINGLE PHASE, D.D.P. (SEE A -907-996 FOR M/N)	XXXXXXXX
SINGLE PHASE, T.E.F.C. (SEE A-907-1003 FOR M/N)	XXXXXXXX
THREE PHASE, D.D.P. (SEE A 907-997 FOR M/N)	XXXXXXXX
THREE PHASE, T.E.F.C. (SEE A 907-1004 FOR M/N)	XXXXXXXX

EXAMPLE

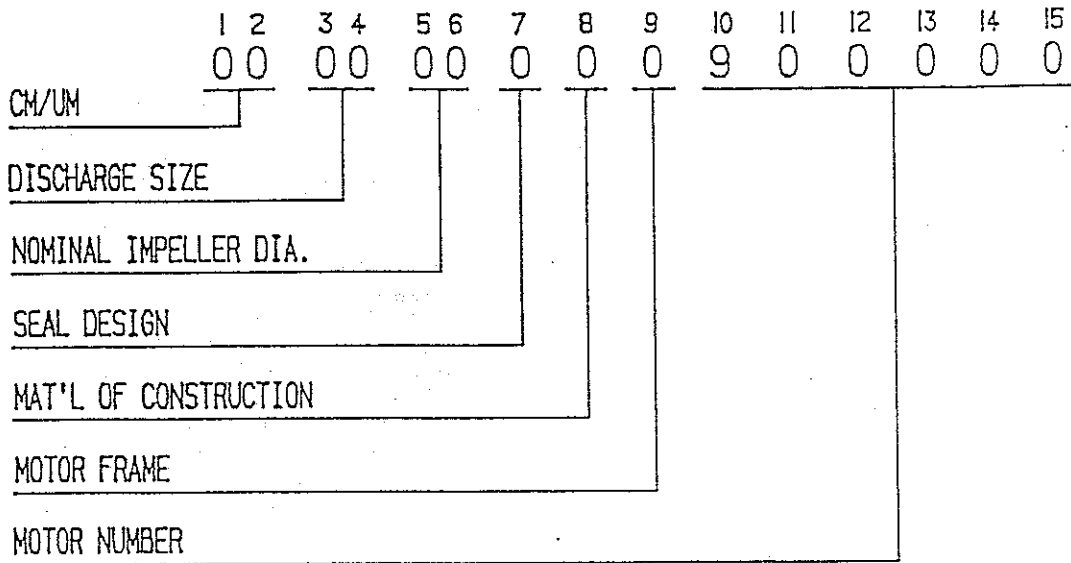


KEY TO STD & CUSTOM 1900 SERIES PUMPS

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
D	4-23-97	ECN 5662	PEM				
C	11/22/96	ECN 5308	PEM				

REV

# KEY TO CM/UM PUMP CODE CLOSE COUPLED



0 0
0 0
0 0
0 0 0
0
0
0
0 0 0 0 0 0

STAMP NAMEPLATE WITH ACTUAL  
 IMPELLER DIA IN POSITION SHOWN

**REFERENCE ONLY**

NOV 0 6 1997

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
C	6-25-93	ECN 2590					

KEY TO CM/UM PUMP CODE  
CLOSE COUPLED



PUMP TYPE  
 0000000000000000  
 CM/UM CLOSE COUPLED

DISCHARGE SIZE & NOMINAL IMPELLER DIA.  
 0000000000000000

DISCHARGE SIZE (IN)	NOM. IMP. DIA. (IN)	DISCHARGE SIZE (METRIC)	NOM. IMP. DIA. (METRIC)
12	06	03 (32mm)	13 (130mm)
15	06	04 (40mm)	13 (130mm)
20	06	05 (50mm)	13 (130mm)
25	06	06 (65mm)	13 (130mm)
12	07	03 (32mm)	16 (160mm)
15	07	04 (40mm)	16 (160mm)
20	07	05 (50mm)	16 (160mm)
25	07	06 (65mm)	16 (160mm)
30	07	08 (80mm)	16 (160mm)
12	08	03 (32mm)	20 (200mm)
15	08	04 (40mm)	20 (200mm)
20	08	05 (50mm)	20 (200mm)
25	08	06 (65mm)	20 (200mm)
30	08	08 (80mm)	20 (200mm)
40	08	10 (100mm)	20 (200mm)
12	10	03 (32mm)	26 (260mm)
15	10	04 (40mm)	26 (260mm)
20	10	05 (50mm)	26 (260mm)
25	10	06 (65mm)	26 (260mm)
30	10	08 (80mm)	26 (260mm)
40	10	10 (100mm)	26 (260mm)
50	10	12 (125mm)	26 (260mm)
25	13	06 (65mm)	32 (320mm)
30	13	08 (80mm)	32 (320mm)
40	13	10 (100mm)	32 (320mm)

REFERENCE ONLY

NOV 06 1997

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
C	6-25-93	ECN 2590					

KEY TO CM/UM PUMP CODE  
 CLOSE COUPLED

SEAL DESIGN  
 000000000000000  
 SEE SEAL SECTION A-950-456

MATERIAL OF CONSTRUCTION  
 0000000000000000

1. ALL IRON
2. BRONZE FITTED
3. BRONZE FITTED W/ST.STL. SHAFT SLEEVE

MOTOR FRAME (JP)  
 00000000000000000

CODE	FRAME	CODE	FRAME
		D	213-215
B	143-145	E	254-256
C	182-184	F	284-286
		G	324-326

MOTOR NUMBER  
 00000000000000000  
 SEE MOTOR LIST, STANDARD SECTION, 110-209

SPECIAL MOTOR NUMBER  
 000000009000000  
 SEE DRAWING A-952-373 FOR MOTOR PART NUMBERS  
 SPECIAL MOTOR NUMBERS ARE 5 DIGETS LONG AND  
 MUST BE PRECEDED BY A 9 (FOR USE WITH PALLET MODULE)

**REFERENCE ONLY**

NOV 0 6 1997

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
C	6-25-93	ECN 2590					

KEY TO CM/UM PUMP CODE  
 CLOSE COUPLED

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	PART TYPE	TYPE MOD.
END ITEM	C	M														M	E
MOTOR																P	C
COMMON PARTS MODULE	C	M	0	0	0	0	0	0	0							T	M
							S	P	P							SPP	MOD.
PALLET MODULE	C	M	0	0	0	0	0	0		0	0	0	0	0		T	M
							S	P	P							SPP	MOD.
SEAL & SLEEVE MODULE	C	M	0	0	0	0										T	M
							S	P	P							SPP	MOD.
ADAPTER MODULE	C	M						0	0							T	M
							S	P	P							SPP	MOD.
BASIC PARTS MODULE	C	M						0								T	M
							S	P	P							SPP	MOD.
COVER MODULE	C	M						0	0	0	0	0	0	0		T	M
							S	P	P							SPP	MOD.

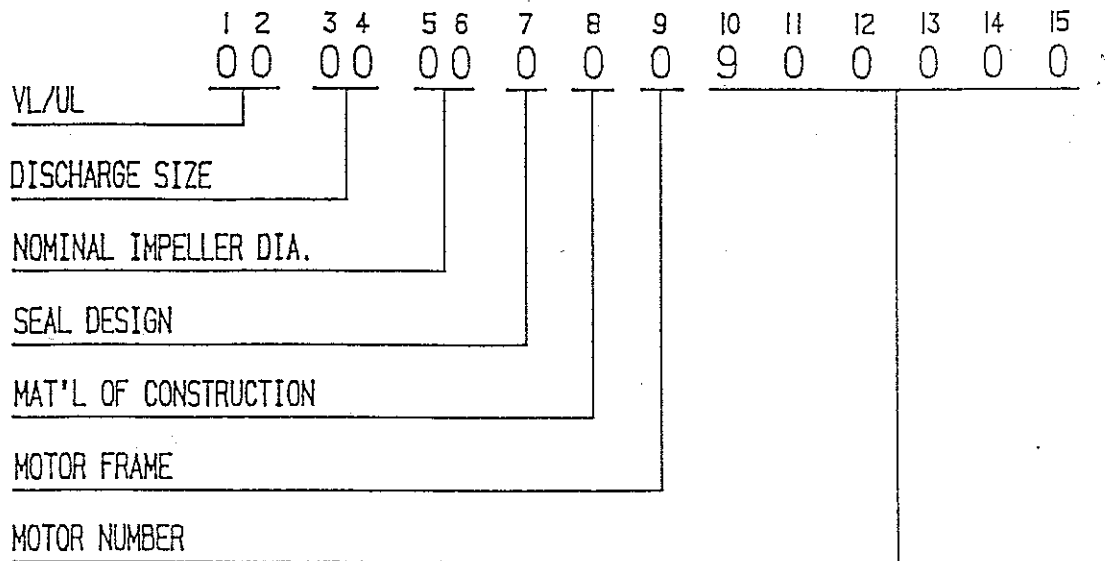
REFERENCE ONLY

NOV 06 1997

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
C	6-25-93	ECN 2590					

KEY TO CM/UM PUMP CODE  
CLOSE COUPLED

# KEY TO VL/UL PUMP CODE VERTICAL IN-LINE



0 0  
 0 0  
 0 0  
0 0 0  
0  
0  
0  
0 0 0 0 0 0 0

STAMP NAMEPLATE WITH ACTUAL  
 IMPELLER DIA IN POSITION SHOWN

REFERENCE ONLY

NOV 06 1997

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
C	6-24-93	ECN 2590					

KEY TO VL/UL PUMP CODE  
VERTICAL IN-LINE

PUMP TYPE  
 0000000000000000  
 VL/UL VERTICAL IN-LINE

DISCHARGE SIZE & NOMINAL IMPELLER DIA.  
 0000000000000000

DISCHARGE SIZE (IN)	NOM. IMP. DIA. (IN)	DISCHARGE SIZE (METRIC)	NOM. IMP. DIA. (METRIC)
15	06	04 (40mm)	13 (130mm)
20	06	05 (50mm)	13 (130mm)
25	06	06 (65mm)	13 (130mm)
30	06	08 (80mm)	13 (130mm)
15	07	04 (40mm)	16 (160mm)
20	07	05 (50mm)	16 (160mm)
25	07	06 (65mm)	16 (160mm)
30	07	08 (80mm)	16 (160mm)
40	07	10 (100mm)	16 (160mm)
20	08	05 (50mm)	20 (200mm)
25	08	06 (65mm)	20 (200mm)
30	08	08 (80mm)	20 (200mm)
50	08	12 (125mm)	20 (200mm)
25	10	06 (65mm)	26 (260mm)
30	10	08 (80mm)	26 (260mm)

SEAL DESIGN  
 0000000000000000  
 SEE SEAL SECTION A-950-456

MATERIAL OF CONSTRUCTION REFERENCE ONLY  
 0000000000000000

NOV 06 1997

1. ALL IRON
2. BRONZE FITTED
3. BRONZE FITTED W/ST.STL. SHAFT SLEEVE

C	6-24-93	ECN 2590					
---	---------	----------	--	--	--	--	--

KEY TO VL/UL PUMP CODE  
 VERTICAL IN-LINE

MOTOR FRAME (JP)  
 0000000000000000

CODE	FRAME	CODE	FRAME
		D	213-215
B	143-145	E	254-256
C	182-184	F	284-286
		G	324-326

MOTOR NUMBER  
 0000000000000000  
 SEE MOTOR LIST, STANDARD SECTION, 110-209

SPECIAL MOTOR NUMBER  
 000000009000000  
 SEE DRAWING A-952-373 FOR MOTOR PART NUMBERS  
 SPECIAL MOTOR NUMBERS ARE 5 DIGETS LONG AND  
 MUST BE PRECEDED BY A 9 (FOR USE WITH PALLET MODULE)

**REFERENCE ONLY**

NOV 06 1997

C	6-24-93	ECN 2590					

KEY TO VL/UL PUMP CODE  
 VERTICAL IN-LINE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	PART TYPE	TYPE MOD.
END ITEM	V L _____															M	E
MOTOR	_____															P	H
COMMON PARTS MODULE	V L 0 0 0 0 0 0 0 0															T	M
	S P P _____															SPP MOD.	
SLEEVE MODULE	V L 0 0 0 0 0 0															T	M
	S P P _____															SPP MOD.	
SEAL MODULE	V L 0 0 0 0 0 0															T	M
	S P P _____															SPP MOD.	
COVER & ADAPTER MODULE	V L _____ 0 0															T	M
	S P P _____															SPP MOD.	
PALLET MODULE PUMP-COMPLETE	V L _____ 0 0 9 0 0 0 0 0															T	M
	S P P _____															SPP MOD.	
BASIC PARTS MODULE	V L _____ 0															T	M
	S P P _____															SPP MOD.	

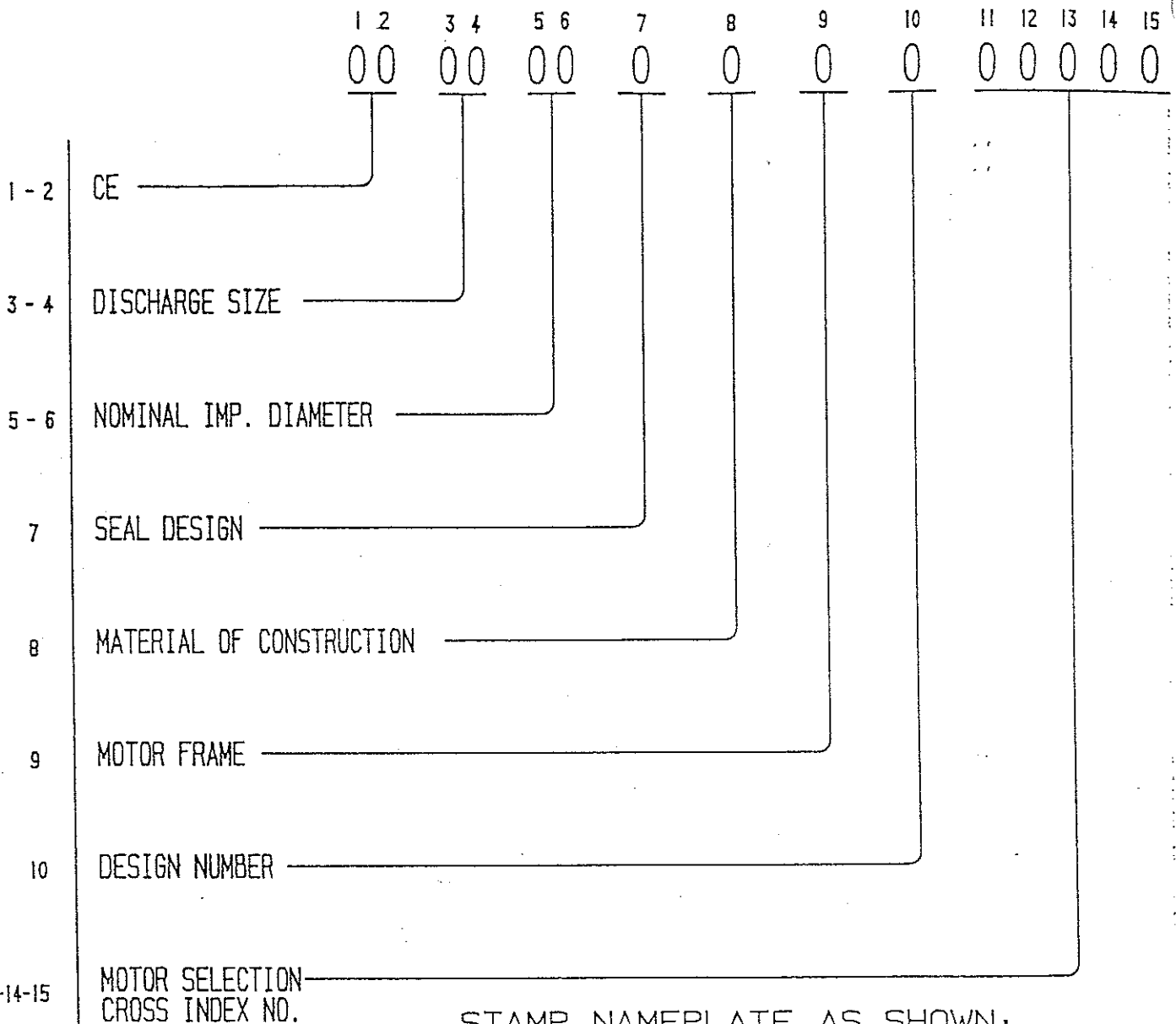
**REFERENCE ONLY**

NOV 0 6 1997

C	6-24-93	ECN 2590													
---	---------	----------	--	--	--	--	--	--	--	--	--	--	--	--	--

KEY TO VL/UL PUMP CODE  
VERTICAL IN-LINE

KEY TO CE PUMP CODE (CLOSE COUPLED)



STAMP NAMEPLATE AS SHOWN:

00	00	00	0	0	0	0	0	0	0	0	0	0	0
1 2	3 4	5 6	7	8	9	10	11	12	13	14	15		

**REFERENCE ONLY**

NOV 06 1997

REF: FOR PUMP ASSEMBLY DRAWING SEE: D-951-2361  
 FOR PUMPKIT SELECTION SEE B-951-3209 SH. #'S 1 THRU 4.

KEY TO CE PUMP CODE  
(CLOSED COUPLED)

	17-93	ECN2688				
A	6-7-93	ECN2586				
REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION

REV: 0



DISCHARGE SIZE AND IMPELLER DIAMETER CODES FOR CE PUMPS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
 00 XX XX 0 0 0 0 0 0 0 0 0 0

DISCHARGE SIZE CODE	DISCHARGE SIZE INCH	DISCHARGE SIZE (MM)	IMPELLER SIZE CODE	NOM. IMPELLER DIA. INCH	NOM. IMPELLER DIA. (MM)
12	1 1/4	(32)	06	6	(130)
15	1 1/2	(40)	06	6	
20	2	(50)	06	6	
25	2 1/2	(65)	06	6	
12	1 1/4	(32)	07	7	(160)
15	1 1/2	(40)	07	7	
20	2	(50)	07	7	
25	2 1/2	(65)	07	7	
30	3	(80)	07	7	
50	5	(125)	07	7	
12	1 1/4	(32)	08	8	(200)
15	1 1/2	(40)	08	8	
20	2	(50)	08	8	
25	2 1/2	(65)	08	8	
30	3	(80)	08	8	
40	4	(100)	08	8	
60	6	(150)	08	8	
12	1 1/4	(32)	10	10	(260)
15	1 1/2	(40)	10	10	
20	2	(50)	10	10	
25	2 1/2	(65)	10	10	
30	3	(80)	10	10	
40	4	(100)	10	10	
50	5	(125)	10	10	
80	8	(200)	10	10	
25	2 1/2	(65)	13	13	(320)
30	3	(80)	13	13	
40	4	(100)	13	13	

**REFERENCE ONLY**

NOV 06 1997

KEY TO "CE" PUMP CODE (CLOSE COUPLED)

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
A	6-8-93	ECN2586 4m					

SEAL CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 X 0 0 0 0 0 0 0 0

CODE	TEMP	MATERIAL	CODE	TEMP	MATERIAL
B	250°F	SEAT HALF - NI-RESIST RUBBER COMPONENT - EPT	L	225°F	SEAT HALF - CERAMIC RUBBER BUNA
D	300°F CLEAN WATER	SEAT HALF - TUNGSTEN CARBIDE RUBBER COMPONENT - EPT	V	250°F	SEAT HALF - NI-RESIST RUBBER COMPONENT - VITON
E	250°F	SEAT HALF - CERAMIC RUBBER COMPONENT - EPT	V	300°F CLEAN WATER	SEAT HALF - TUNGSTEN CARBIDE RUBBER COMPONENT - VITON
J	225°F	SEAT HALF - NI-RESIST RUBBER BUNA	X	250°F	SEAT HALF - CERAMIC RUBBER COMPONENT - VITON
K	225°F	SEAT HALF - TUNGSTEN CARBIDE RUBBER BUNA			

MATERIAL OF CONSTRUCTION CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 0 X 0 0 0 0 0 0 0

CODE	MATERIAL
1	ALL IRON WITH STAINLESS STEEL SLEEVE
2	BRONZE FITTED WITH BRONZE SLEEVE
3	BRONZE FITTED WITH STAINLESS STEEL SHAFT SLEEVE

MOTOR FRAME CODE (JM)

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 0 0 X 0 0 0 0 0 0

CODE	FRAME	CODE	FRAME
H	143-145	L	254-256
J	182-184	M	284-286
K	213-215	N	324-326

DESIGN CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 0 0 0 X 0 0 0 0 0

**REFERENCE ONLY**

CODE	DESIGN DEFINITION
A	CURRENT (AS OF 1/1/93) NOV 06 1997

MOTOR CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 0 0 0 0 X X X X X

MOTOR SELECTION CROSS INDEX NUMBER

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
B	8-2-95	ECN4017	2/9/95				
A	6-8-93	ECN2586	EM KG				

KEY TO CE PUMP CODE  
(CLOSED COUPLED)

KEY TO VI PUMP CODE (VERTICAL IN-LINE)

1-2    3 4    5 6    7    8    9    10    11 12 13 14 15  
00   00   00   0   0   0   0   0 0 0 0 0

1-2  
3-4  
5-6  
7  
8  
9  
10  
11-12-13-14-15

VI  
DISCHARGE SIZE  
NOMINAL IMP. DIAMETER  
SEAL DESIGN  
MATERIAL OF CONSTRUCTION  
MOTOR FRAME  
DESIGN NUMBER  
MOTOR SELECTION  
CROSS INDEX NO.

STAMP NAMEPLATE AS SHOWN:

00   00   00   0   0   0   0   0 0 0 0 0  
 1 2   3 4   5 6   7   8   9   10   11 12 13 14 15

**REFERENCE ONLY**

NOV 0 6 1997

REF: FOR PUMP ASSEMBLY DRAWING SEE: D-951-2362  
 FOR PUMP KIT SELECTION SEE B-951-3208 SH. #'S 1 THRU 4.

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
	17-93	ECN2688					
A	6-7-93	ECN2586					

KEY TO VI PUMP CODE  
(VERTICAL IN-LINE)

DISCHARGE SIZE AND  
IMPELLER DIAMETER CODES  
FOR PUMPS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
 00 XX XX 0 0 0 0 0 0 0 0

DISCHARGE SIZE CODE	DISCHARGE SIZE INCH	DISCHARGE SIZE (MM)	IMPELLER SIZE CODE	NOM. IMPELLER DIA. INCH	NOM. IMPELLER DIA. (MM)
15	1 1/2	(40)	06	6	(130 MM)
20	2	(50)	06	6	
25	2 1/2	(65)	06	6	
30	3	(80)	06	6	
15	1 1/2	(40)	07	7	(160 MM)
20	2	(50)	07	7	
25	2 1/2	(65)	07	7	
30	3	(80)	07	7	
40	4	(100)	07	7	
50	5	(125)	07	7	
20	2	(50)	08	8	(200 MM)
25	2 1/2	(65)	08	8	
30	3	(80)	08	8	
50	5	(125)	08	8	
60	6	(150)	08	8	
25	2 1/2	(65)	10	10	(260 MM)
30	3	(80)	10	10	
80	8	(200)	10	10	

**REFERENCE ONLY**

NOV 06 1997

KEY TO "VI" PUMP CODE  
(VERTICAL IN-LINE)

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
A	6-7-93	ECN2586	GM/VE	A			

REV.

SEAL CODE      12 34 56 7 8 9 10 11 12 13 14 15  
 00 00 00 X 0 0 0 0 0 0 0 0

CODE	TEMP	MATERIAL	CODE	TEMP	MATERIAL
B	250°F	SEAT HALF - NI-RESIST RUBBER COMPONENT - EPT	L	225°F	SEAT HALF - CERAMIC RUBBER BUNA
D	300°F CLEAN WATER	SEAT HALF - TUNGSTEN CARBIDE RUBBER COMPONENT - EPT	V	250°F	SEAT HALF - NI-RESIST RUBBER COMPONENT - VITON
E	250°F	SEAT HALF - CERAMIC RUBBER COMPONENT - EPT	V	300°F CLEAN WATER	SEAT HALF - TUNGSTEN CARBIDE RUBBER COMPONENT - VITON
J	225°F	SEAT HALF - NI-RESIST RUBBER BUNA	X	250°F	SEAT HALF - CERAMIC RUBBER COMPONENT - VITON
K	225°F	SEAT HALF - TUNGSTEN CARBIDE RUBBER BUNA			

MATERIAL OF CONSTRUCTION CODE    12 34 56 7 8 9 10 11 12 13 14 15  
 00 00 00 0 X 0 0 0 0 0 0 0

CODE	MATERIAL
1	ALL IRON WITH STAINLESS STEEL SLEEVE
2	BRONZE FITTED WITH BRONZE SLEEVE
3	BRONZE FITTED WITH STAINLESS STEEL SHAFT SLEEVE

MOTOR FRAME CODE (JM)    12 34 56 7 8 9 10 11 12 13 14 15  
 00 00 00 0 0 X 0 0 0 0 0 0

CODE	FRAME	CODE	FRAME
H	143-145	L	254-256
J	182-184	M	284-286
K	213-215	N	324-326

DESIGN CODE      12 34 56 7 8 9 10 11 12 13 14 15  
 00 00 00 0 0 0 X 0 0 0 0 0

CODE	DESIGN DEFINITION	REFERENCE ONLY
A	CURRENT (AS OF 1/1/93)	NOV 06 1997

MOTOR CODE      12 34 56 7 8 9 10 11 12 13 14 15  
 00 00 00 0 0 0 0 X X X X X

MOTOR SELECTION CROSS INDEX NUMBER

REV	DATE	DESCRIPTION	APP	REV DATE	DESCRIPTION	APP
K	8-2-95	ECN 4017	299			
A	6-7-93	ECN 2586	EH KG			

KEY TO "VI" PUMP CODE  
 (VERTICAL IN-LINE)

VI CODED MODULES AND INCLUDED ITEMS REQUIRED TO  
CONSTRUCT COMPLETE BILL OF MATERIALS.

**COMMON PARTS MODULE (SEE PL-951-2974)**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX 00 00 0 0 0 0 0 0 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
41	NAMEPLATE	42	DRIVE SCREW	68	MAIN & INST PACKAGE	68	CONNECTOR, MALE
13	CONNECTOR, FEMALE	14	TUBE, COPPER	180	PIPE NIPPLE	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**BASIC PARTS MODULE (SEE PL-951-2975)**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 X X X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
138	CASING, PUMP	2	NUT (CASING)	9	IMPELLER KEY		
16	STUD OR BOLT(CSG)	19	DEFLECTOR	4	GASKET, CASING		
5	IMPELLER	8	IMPELLER BOLT	6	IMPELLER WASHER		

**COVER PARTS MODULE (SEE PL-951-2976)**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 0 X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
	COVER BRACKET	20	BOLT OR STUD	178	NUT MOTOR	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SEAL & SLEEVE MODULE (SEE PL-951-2977)**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX 00 00 X X X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
21A	SEAL, SEAL HALF	21B	SEAL, SEAT HALF	15	GASKET, IMP		
10	SLEEVE, SHAFT						

**PALLET MODULE (SEE PL-951-3091)**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 0 X X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
<input type="checkbox"/>	PALLET	<input type="checkbox"/>	PKG PARTS		<b>REFERENCE ONLY</b>		

NOV 06 1997

KEY TO "VI" PUMP CODE  
(VERTICAL IN LINE)

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
A	6-7-93	ECN2586	<input type="checkbox"/>				

CE CODED MODULES AND INCLUDED ITEMS REQUIRED TO  
CONSTRUCT COMPLETE BILL OF MATERIALS.

COMMON PARTS MODULE (SEE PL-951-2970)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX 00 00 0 0 0 0 0 0 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
41	NAMEPLATE	42	DRIVE SCREW		MAIN & INST PACKAGE	<input type="checkbox"/>	<input type="checkbox"/>
		23	PIPE PLUG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

BASIC PARTS MODULE (SEE PL-951-2895)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 X X X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
138	CASING, PUMP	2	NUT (CASING)	9	IMPELLER KEY		
16	STUD OR BOLT(CSG)	19	DEFLECTOR	4	GASKET, CASING		
5	IMPELLER	8	IMPELLER BOLT	6	IMPELLER WASHER		

COVER PARTS MODULE (SEE PL-951-2971)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 0 X 0 0 0 0 0

DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
COVER BRACKET	20	BOLT OR STUD	178	NUT MOTOR	<input type="checkbox"/>	<input type="checkbox"/>
WEAR RING, COV.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SEAL & SLEEVE MODULE (SEE PL-951-2972)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX 00 00 X X X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
21A	SEAL, SEAL HALF	21B	SEAL, SEAT HALF	15	GASKET, IMP		
10	SLEEVE, SHAFT						

REFERENCE ONLY

NOV 06 1997

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
A	6-8-93	ECN2586 4m	<input type="checkbox"/>				

KEY TO "CE" PUMP CODE  
(CLOSE COUPLED)

KEY TO FE PUMP CODE (FRAME MOUNTED)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
 00 00 00 0 0 0 0 0 0 0 0 0 0 0

1-2

FE

3-4

DISCHARGE SIZE

5-6

NOMINAL IMP. DIAMETER

7

SEAL DESIGN

8

MATERIAL OF CONSTRUCTION

9

MOTOR FRAME

WORKING PRESSURE

BEARING FRAME SIZE

12

PUMP BASE DESIGN

REFERENCE ONLY

13

SHAFT LENGTH

NOV 06 1987

14

OPTIONS

15

HYDRAULIC DESIGN

00 00 00 000 0 0 0 0 0 0 0 0 0 0

STAMP NAMEPLATE WITH  
 ACTUAL IMPELLER DIAMETER  
 IN POSITION SHOWN ABOVE:

REF: FOR PUMP ASSEMBLY DRAWING SEE: D-951-2483

KEY TO "FE" PUMP CODE  
 (FRAME MOUNTED)

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.



DISCHARGE SIZE CODES,  
IMPELLER DIAMETER CODES &  
BRG FRAME CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 XX XX 0 0 0 0 X 0 0 0 0

DISCHARGE SIZE CODE	DISCHARGE SIZE INCH	DISCHARGE SIZE (MM)	IMPELLER SIZE CODE	NOM. IMPELLER DIA. INCH	NOM. IMPELLER DIA. (MM)	BRG FRAME SIZE CODE
12	1 1/4	(32)	06	6	(130)	E
15	1 1/2	(40)	06	6		E
20	2	(50)	06	6		E
25	2 1/2	(65)	06	6		E
12	1 1/4	(32)	07	7	(160)	E
15	1 1/2	(40)	07	7		E
20	2	(50)	07	7		E
25	2 1/2	(65)	07	7		F
30	3	(80)	07	7		F
50	5	(125)	07	7		F
12	1 1/4	(32)	08	8	(200)	E
15	1 1/2	(40)	08	8		E
20	2	(50)	08	8		F
25	2 1/2	(65)	08	8		F
30	3	(80)	08	8		F
40	4	(100)	08	8		F
60	6	(150)	08	8		F
12	1 1/4	(32)	10	10	(260)	F
15	1 1/2	(40)	10	10		F
20	2	(50)	10	10		F
25	2 1/2	(65)	10	10		F
30	3	(80)	10	10	<b>REFERENCE ONLY</b>	
40	4	(100)	10	10		G
50	5	(125)	10	10	NOV 016 1987	G
80	8	(200)	10	10		G
25	2 1/2	(65)	13	13	(320)	G
30	3	(80)	13	13		G
40	4	(100)	13	13		G
50	5	(125)	13	13		G
60	6	(150)	13	13		G
40	4	(100)	16		(400)	G
50	5	(125)	16			G
30	6	(150)	16			G

KEY TO 'FE' PUMP CODE  
(FRAMED MOUNTED)

REV.	DATE	DESCRIPTION	APP.	REV.	DATE	DESCRIPTION	APP.
A	9/16/97	ECN 5330					

CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 X 0 0 0 0 0 0 0 0

CODE	TEMP	MATERIAL	CODE	TEMP	MATERIAL
B	250°F	SEAT HALF - NI-RESIST RUBBER COMPONENT - EPT	L	225°F	SEAT HALF - CERAMIC RUBBER BUNA
D	300°F CLEAN WATER	SEAT HALF - TUNGSTEN CARBIDE RUBBER COMPONENT - EPT	V	250°F	SEAT HALF - NI-RESIST RUBBER COMPONENT - VITON
E	250°F	SEAT HALF - CERAMIC RUBBER COMPONENT - EPT	V	300°F CLEAN WATER	SEAT HALF - TUNGSTEN CARBIDE RUBBER COMPONENT - VITON
J	225°F	SEAT HALF - NI-RESIST RUBBER BUNA	X	250°F	SEAT HALF - CERAMIC RUBBER COMPONENT - VITON
K	225°F	SEAT HALF - TUNGSTEN CARBIDE RUBBER BUNA	Z		NO SEAL REQUIRED MECHANICAL SEAL DESIGNED

MATERIAL OF  
CONSTRUCTION  
CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 0 X 0 0 0 0 0 0 0

CODE	MATERIAL	CODE	MATERIAL
1	ALL IRON WITH ST. STL. SLV.	4	BRZ FITTED W/ST.STL SHAFT/BRZ SLV.
2	BRZ FITTED W/BRZ SLV.	5	BRZ FITTED WITH ST. STL. SLV.
3	ALL IRON WITH ST. STL.SHAFT & ST. STL. SLV.	6	BRZ FITTED WITH ST. STL.SHAFT & ST. STL. SLV.

MOTOR FRAME CODE

12 34 56 7 8 9 10 11 12 13 14 15  
00 00 00 0 0 X 0 0 0 0 0 0

CODE	MOTOR FRAME	CODE	MOTOR FRAME
A	56	L	286 (1750 RPM)
B	143	V	286 (3450 RPM)
C	145	M	324
D	182	N	326
E	184	P	364
F	213	Q	365
G	215	R	NOV 0 6 133/ 404
H	254	S	405
J	256 (1750 RPM)	Y	444
U	256 (3450 RPM)	Z	445
K	284	X	NO MOTOR PARTS (PUMP ONLY)

KEY TO "FE" PUMP CODE  
(FRAME MOUNTED)

REV	DATE	DESCRIPTION	APP. BY	DATE	REVISION	APP.
A	8-2-95	ECN 4017	[Signature]			

WORKING PRESSURE	12	34	56	7	8	9	10	11	12	13	14	15
	00	00	00	0	0	0	X	0	0	0	0	0

CODE	PRESSURE
1	125 PSIG FLANGED

BRG FRAME SIZE CODE	12	34	56	7	8	9	10	11	12	13	14	15
	00	00	00	0	0	0	0	X	0	0	0	0

CODE	FRAME
E	POWER FRAME
F	POWER FRAME
G	POWER FRAME

BASE & CPLR. GRD. DESIGN CODE	12	34	56	7	8	9	10	11	12	13	14	15
	00	00	00	0	0	0	0	0	X	0	0	0

CODE	DESIGN DEFINITION
1	
2	INVERTED YOKE W/STD. COUPLER GUARD
3	INVERTED YOKE W/ OSHA COUPLER GUARD

SHAFT LENGTH CODE	12	34	56	7	8	9	10	11	12	13	14	15
	00	00	00	0	0	0	0	0	0	X	0	0

CODE	SHAFT
S	SHORT SHAFT
L	LONG SHAFT
W	PUMP END ONLY

STANDARD OPTIONS CODE	12	34	56	7	8	9	10	11	12	13	14	15
	00	00	00	0	0	0	0	0	0	0	X	0

CODE	DESIGN DEFINITION	REFERENCE ONLY
0	NONE	
1	DODGE COUPLER	NOV 06 1997
2	FALK COUPLER	

HYDRO-DESIGN CODE	12	34	56	7	8	9	10	11	12	13	14	15
CURRENT DESIGN A ONAL DESIGN B (B)	00	00	00	0	0	0	0	0	0	0	0	X

REV	DATE	FCN NO.	APP.	REV.	DATE	FCN NO.	APP.
	9-8-97	ECN 6025					
A	11-17-95	ECN 4359					

KEY TO "FE" PUMP CODE  
(FRAME MOUNTED)

FE CODED MODULES AND INCLUDED ITEMS REQUIRED TO  
CONSTRUCT COMPLETE BILL OF MATERIALS.

**REFERENCE ONLY**

COMMON PARTS MODULE (SEE PL-951-2981)

1 2 3 4 5 6 7 8 9 10 11 12 13 NOV 016 1997  
XX 00 00 0 0 0 0 0 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
145	LABEL, CAUTION	42	DRIVE SCREW		MAIN & INST PACKAGE		
41	NAMEPLATE	23	PIPE PLUG				

BASIC PARTS MODULE (SEE PL-951-2982)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 0 0 0 X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
138	CASING, PUMP	2	NUT (CASING)	43	WEAR RING, COVER	20	BOLT, BRG FRM
16	STUD OR BOLT(CSG)	11	COVER BRACKET	4	GASKET, CASING		

IMPELLER & SHAFT SLEEVE PARTS MODULE (SEE PL-951-3089)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 X 0 0 X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
5	IMPELLER	6	WASHER, IMPELLER	10	SLEEVE, SHAFT		
	BOLT, IMPELLER	9	KEY, IMPELLER				

SEAL MODULE (SEE PL-951-2983)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX 00 00 X 0 0 0 X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
21A	SEAL, SEAL HALF	21B	SEAL, SEAT HALF	15	GASKET, IMP		

BEARING FRAME MODULE (SEE PL-951-2984)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX 00 00 0 X 0 0 X 0 0 0 0 0

ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION	ITEM NO	DESCRIPTION
72	BRG FRM ASSY COMPLETE						

MOTOR PARTS MODULE (SEE MOTOR PARTS SECTION)

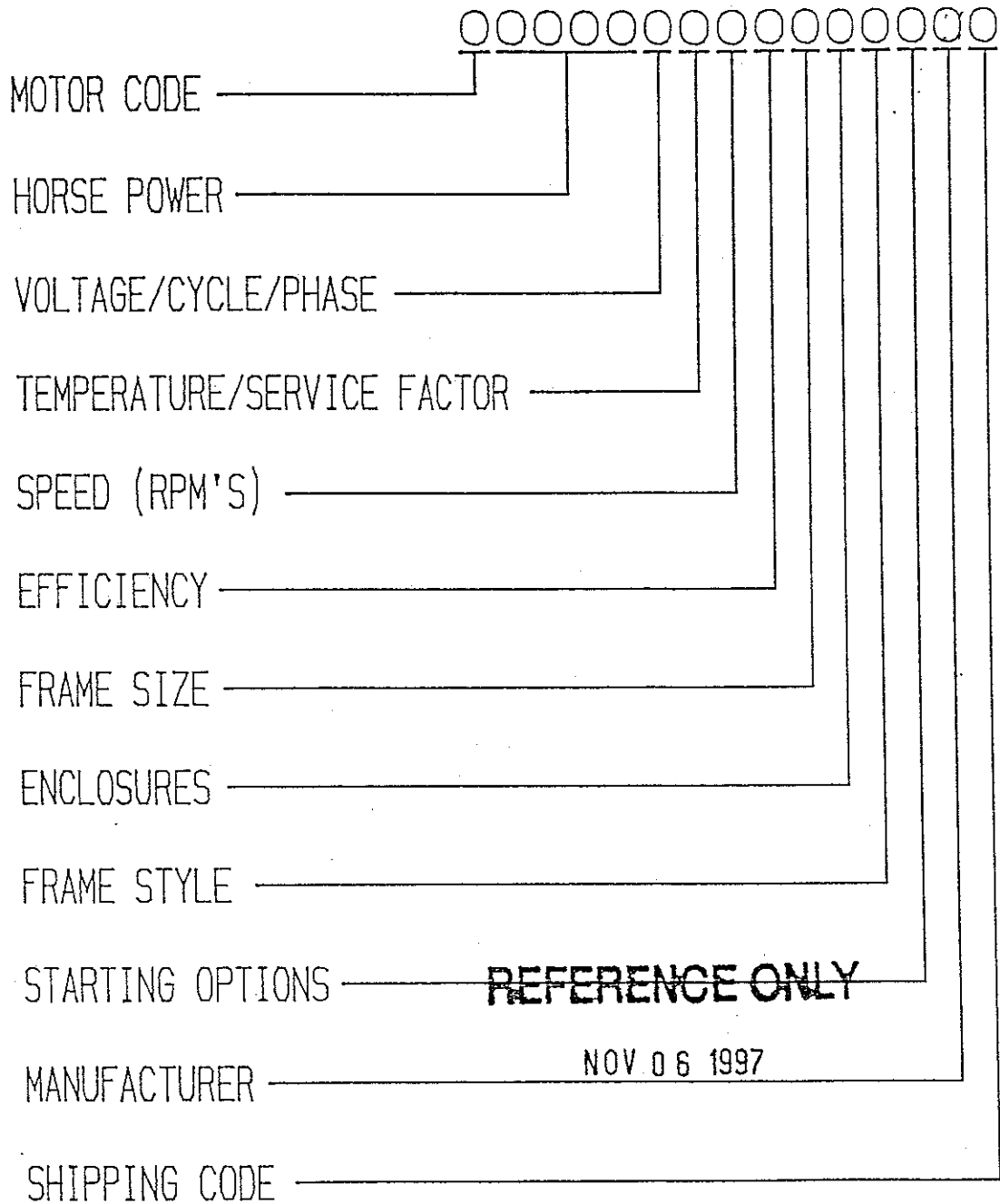
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
XX XX XX 0 0 X 0 0 X X 0 0

FOR ITEM NUMBERS AND PARTS DESCRIPTION SEE MOTOR PARTS SECTION.

KEY TO "FE" PUMP CODE  
(FRAME MOUNTED)

REV	DATE	DESCRIPTION	APP	REV	DATE	DESCRIPTION	APP
A	1-14-94	ECN 3030	<i>[Signature]</i>				

# KEY TO MOTOR PART NUMBER CODE



RLB 1-20-93 A01B00 EGN2236

REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
MOTOR PART NUMBER CODE

MOTOR CODE

000000000000000000

E - ALL MOTORS

REFERENCE ONLY

NOV 06 1997

HORSE POWER

000000000000000000

CODE HORSE POWER

0002 - 1/4

0003 - 1/3

0005 - 1/2

0007 - 3/4

0010 - 1

0015 - 1 1/2

0020 - 2

0030 - 3

0050 - 5

CODE HORSE POWER

0075 - 7 1/2

0100 - 10

0150 - 15

0200 - 20

0250 - 25

0300 - 30

0400 - 40

0500 - 50

0600 - 60

CODE HORSE POWER

0750 - 75

1000 - 100

1250 - 125

1500 - 150

2000 - 200

2500 - 250

3000 - 300

4000 - 400

4500 - 450

VOLTAGE/CYCLE/PHASE

000000000000000000

CODE

A - 110/220/60/1

B - 110/50/1

C - 115/60/1

D - 115/230/60/1

E - 220/50/1

F - 230/60/1

G - 200/60/3

CODE

H - 208/60/3

J - 208-230/460/60/3

K - 220/60/3

L - 220/380/50/3

M - 230/60/3

N - 230/460/60/3

P - 230-240/415/50/3

Q - 115/208-230/60/1

CODE

R - 277/60/3

S - 380/50/3

T - 380/60/3

U - 415/50/3

V - 460/60/3

W - 575/60/3

X - 220/380/60/3

Y - 200/60/1

Z - 208-230/60/1

FLB 1-20-93 AOIBOX ECN2366

A	2-23-93	ECN2366					
B	4-13-93	ECN2472,2432					
C	6-3-93	ECN2572					
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
MOTOR PART NUMBER CODE

AMBIENT TEMPERATURE/SERVICE  
FACTOR/ROTATION AS SEEN  
FROM SHAFT END

0000000000000000000

NOTE: NEMA STANDARD PER TABLE  
12-2 REF. MGI-1987

CODE

- 1 - 40°C AMBIENT/NEMA STD./CCW (STANDARD)
- 2 - 40°C AMBIENT/NEMA STD./CW (1600)
- 3 - 40°C AMBIENT/1.0 CCW (STANDARD)
- 4 - 40°C AMBIENT/1.0 CW (1600)
- 5 - 50°C AMBIENT/NEMA STD./CCW (STANDARD) **REFERENCE ONLY**
- 6 - 50°C AMBIENT/NEMA STD./CW (1600)
- 7 - 50°C AMBIENT/1.0 CCW (STANDARD)
- 8 - 50°C AMBIENT/1.0 CW (1600)

NOV 06 1997

SPEED

0000000000000000000

<u>CODE</u>	<u>RPM</u>	<u>CODE</u>	<u>RPM</u>
A -	950	G -	1750/840 1 WINDING VARIABLE TORQUE, LOW VOLTAGE
B -	1150	H -	1750/840 1 WINDING VARIABLE TORQUE, HI VOLTAGE
C -	1450	J -	1750/1140 2 WINDING VARIABLE TORQUE, LOW VOLTAGE
D -	1750	K -	1750/1140 2 WINDING VARIABLE TORQUE, HI VOLTAGE
E -	2900	L -	1750 SUITABLE FOR VARIABLE SPEED DRIVE
F -	3450	M -	3450 SUITABLE FOR VARIABLE SPEED DRIVE

EFFICIENCY

0000000000000000000

CODE

- 0 - NOT SPECIFIED
- 1 - STANDARD - MAY BE LESS THAN MGI-12.55
- 2 - PREMIUM - MEETS MGI-12.55

RLB 1-20-93-A01B00B-ECN2236

REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
 MOTOR PART NUMBER CODE

FRAME SIZE

000000000000000000

CODE FRAME SIZE

CODE FRAME SIZE

CODE FRAME SIZE

A - 48  
 B - 56  
 C - 143  
 D - 145  
 E - 182  
 F - 184  
 G - 213  
 H - 215

J - 254  
 K - 256  
 L - 284  
 M - 286  
 N - 324  
 P - 326  
 R - 364  
 S - 365

T - 404  
 U - 405  
 V - 444  
 W - 445  
 X - 447  
 Y - 449  
 Z - 560

ENCLOSURES

000000000000000000

CODE TYPE

CODE TYPE

1 - ODP  
 2 - TEFC  
 3 - EXP. PROOF, DIV 1,  
 CL. 1, GROUP D  
 4 - TENV

5 - ODP C/W DRIP COVER  
 6 - TROPICALIZATION  
 7 - HAZARDOUS DUTY  
 8 - TEFC W/ TERMINAL STRIP

FRAME STYLE

000000000000000000

CODE FRAME STYLE

CODE FRAME STYLE

A - NONE  
 B - TCH  
 C - C FACE  
 D - HPH  
 F - JP W/FEET  
 H - HP SHAFT  
 L - LP  
 M - JM W/FEET  
 N - JM W/O FEET

P - JP  
 R - RESILIENT MOUNT  
 S - TS (SHORT SHAFT)  
 T - T (LONG SHAFT)  
 U - U - FRAME  
 Y - TC **REFERENCE ONLY**  
 Z - TCZ

NOV 06 1997

RLB 1-20-93-A-1800C ECN2230

J	4-20-95	ECN 3830	EM				
C	3-31-94	ECN 3136		F	3-7-96	ECN 4577	ag GM
B	4-13-93	ECN2432,2472		E	6-8-95	ECN 3952	EM
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
 MOTOR PART NUMBER CODE



STARTING OPTIONS

000000000000000000

CODE

- 1 - ACROSS THE LINE (STANDARD)
- 2 - PART WINDING LOWER VOLTAGE
- 3 - PART WINDING HIGHER VOLTAGE
- 4 - Y DELTA LOW VOLTAGE
- 5 - Y DELTA HIGH VOLTAGE

**REFERENCE ONLY**

NOV 06 1997

MANUFACTURERS

000000000000000000

BALDOR

CODE

- B - NO SPECIFIC LINE
- A - SUPER - E PREMIUM EFFICIENCY
- D -

CENTURY

- C - NO SPECIFIC LINE
- H - E-PLUS
- J - E-PLUS III
- K -

EMERSON

- E - NO SPECIFIC LINE
- N -
- P -

WEG

- W - NO SPECIFIC LINE
- F - PREM. EFF.

G.E.

CODE

- G - NO SPECIFIC LINE
- R - ENERGY SAVER
- S -

MARATHON

- M - NO SPECIFIC LINE
- T - PREMIUM BLUE CHIP ENERGY EFFICIENT
- V - SERIES E HIGH EFFICIENT
- X -

U.S. MOTORS

- U - NO SPECIFIC LINE
- Y - CORRO DUTY
- Z - PREMIUM EFFICIENCY

LINCOLN

- L - NO SPECIFIC LINE

RLB 1-20-93 .A#1800D-ECN236

1	2-23-93	ECN2366					
3	4-20-95	ECN 3830	GM				
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
MOTOR PART NUMBER CODE

SHIPPING

00000000000000000000

CODE

D - PURCHASED FOR SHIPPING TO TACO OR DROP SHIPPED TO CUSTOMER  
M - MOUNTED TO PUMP AT TACO

REFERENCE ONLY

NOV 06 1997

RLB 1-20-93 A01B00F ECN2236

REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD
C	5-4-93	ECN2501	<i>W. R. E.</i>				

KEY TO  
MOTOR PART NUMBER CODE

## COMMENTS ON TACO PART NUMBER CODE

GENERAL COMMENTS:

1. MOTORS SHALL MEET NEMA STANDARDS.
2. MOTOR AS CODED MUST BE AVAILABLE FROM A MANUFACTURER'S CATALOG, OR THE MANUFACTURER MUST BE CONTACTED TO SEE IF IT IS AVAILABLE.

<u>POSITION</u>	<u>COMMENTS</u>
(1)	USED TO SORT OUT ALL MOTOR NUMBERS IN COMPUTER - ONLY MOTORS WILL HAVE THE FIRST CHARACTER 'E'.
( 2 THRU 5)	IMPLIED DECIMAL POINT BETWEEN THE THIRD AND FOURTH CHARACTER (POSITION 4 AND 5).
(6)	MOTORS MARKED 208-230/460 MAY NOT MEET ALL NEMA (MG-1) PERFORMANCE STANDARDS WHEN OPERATED AT 208 VOLTS.
(7)	SERVICE FACTOR WILL BE NEMA STANDARD IF NOT SPECIFIED ON ORDER. NOTE: CODES 1, 3, 5 AND 7 WITH CCW ROTATION ARE FOR ALL PUMPS EXCEPT 1600. CODES 2, 4, 6 AND 8 ARE FOR 1600 SERIES PUMPS. UNLESS OTHERWISE SPECIFIED, CODES 1, 2, 3 AND 4 FOR 40' AMBIENT ARE TO BE USED.
(9)	CODE 1 - STANDARD EFFICIENCY WILL BE USED UNLESS OTHERWISE REQUESTED BY THE CUSTOMER. IF SPECIAL EFFICIENCY IS REQUESTED THEN THE CHOICE OF MANUFACTURER'S CODE, POSITION 14 MUST BE COMPATIBLE. NOTE: IF A SPECIFIC MANUFACTURER'S MODEL (POSITION 14) IS CHOSEN, CODE 0 IS CORRECT FOR POSTION 9, AND MUST BE USED.
(12)	CODE A USED FOR 48 AND 56 FRAME SIZE WHEN NO NEMA CODE APPLIES. (POSITION 10 CODES A AND B)

**REFERENCE ONLY**

NOV 06 1997

RLB 1-20-93 A01800E-ECN236

REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
MOTOR PART NUMBER CODE

# KEY TO HEAT EXCHANGER CODE

000000T000000000

HEATER STYLE \_\_\_\_\_

NOMINAL PIPE SIZE \_\_\_\_\_

NO. OF PASSES \_\_\_\_\_

LENGTH OF UNIT  
(IN 6" INCREMENTS)

\* { (T) = STANDARD  
(-) = PRE JUNE 1998 }

SHELL STYLE OR TANK UNIT \_\_\_\_\_

HEAD MATERIAL \_\_\_\_\_

HEAD TYPE \_\_\_\_\_

TUBE PLATE MATERIAL \_\_\_\_\_

TUBING MATERIAL \_\_\_\_\_

BAFFLE MATERIAL \_\_\_\_\_

BAFFLE PITCH (INCHES) \_\_\_\_\_

\* TANK UNIT LESS COLLAR (TJ, TK & TZ)  
MUST BE CODED WITH A DASH (-)

RLB 4-29-92 B1314B ECN1750

B	6-2-98	ECN 5278C	RLB				
A	4-29-92	ECN 1750	RT				
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY RLB	DATE 4-29-92	CHK BY CSW	APPD BY RT	ENG APPL RWC	A-PL-2900-904	SH. 1 OF 5	REV B
---------------	-----------------	---------------	---------------	-----------------	---------------	------------	----------

HEATER STYLE                    000000T000000000

G - U-TUBE - SHELL & TUBE - 150#, 375°F

C - STRAIGHT TUBE - FIXED TUBE SHEET

D - STRAIGHT TUBE - FLOATING TUBE SHEET

I - U-TUBE - TANK UNIT (150#)

R - REPLACEMENT TUBE BUNDLE (150#, 400#)

P - HIGH TEMPERATURE, HIGH PRESSURE TUBES (400#, 450°F) (TANK UNIT AND HEAT EXCHANGER)

J - U-TUBE 250# TUBE, 150# SHELL, 375°F

K - REPLACEMENT TUBE BUNDLE, 250#

U - U - TUBE REPLACEMENT TUBE BUNDLE FOR PRE - 1974 L AND S UNITS  
RUX APPLIES 4' THRU 12' UNITS ONLY. (G CODE ONLY)

NOMINAL PIPE SIZE            000000T000000000

04 THRU 30 (EVEN NUMBERS EXCEPT 28)

NO. OF PASSES                    000000T000000000

1, 2, 4 OR 6 PASS

LENGTH OF UNIT                000000T000000000

04 THRU 20 (LENGTH = CODE NO. X 6')

STYLE OF UNIT                    000000T000000000

T OR -

CODE CONTINUED ON SHEET 3

RLB 4-29-92 A5093H ECN1750

G	5-5-98	ECN 6117	PL RLB				
E	11/9/93	ECN 2911	BVK				
D	4-29-92	ECN 1750		H	6-2-98	ECN 5278C	<i>RRB</i>
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY RIR	DATE 4-29-92	CHK BY CSV	APPD BY	ENG APPL	A-PL-2900-904	SH. 2 OF 5	REV H
---------------	-----------------	---------------	------------	-------------	---------------	------------	----------

SHELL STYLE OR TANK UNIT 000000T0000000000

- L - LIQUID/LIQUID
- S - STEAM/LIQUID
- E - FUEL OIL SUCTION HEATER
- A - TANK UNIT W/COLLAR - 3/4" TUBES
- B - TANK UNIT W/COLLAR - 3/4" TUBES - CEMENT LINED APPLICATIONS
- C - TANK UNIT W/COLLAR - 1 1/4" TUBES - CEMENT LINED APPLICATIONS
- D - TANK UNIT W/EXTENDED COLLAR - 3/4" TUBES
- E - TANK UNIT W/EXT.COLLAR - 3/4" TUBES - CEMENT LINED APPLICATIONS
- H - HIGH TEMPERATURE - HIGH PRESSURE (HEAT EXCHANGE W/ SHELL)
- W - TANK UNIT W/COLLAR - 1 1/4" TUBES
- X - HIGH TEMPERATURE - HIGH PRESSURE TANK UNIT W/COLLAR - 3/4" TUBES
- Y - HIGH TEMPERATURE - HIGH PRESS TANK UNIT W/EXT.COLLAR - 3/4" TUBES
- \* J - TANK UNIT LESS COLLAR - 3/4" TUBES
- \* K - TANK UNIT LESS COLLAR - 3/4" TUBES - CEMENT LINED APPLICATIONS
- \* Z - HIGH TEMPERATURE-HIGH PRESSURE TANK UNIT LESS COLLAR - 3/4" TUBES

\* MUST BE CODED WITH A DASH (-) IN THE 7th POSITION. SEE SHEET #1 FOR EXPLANATION.

HEAD MATERIAL 000000T0000000000

- 1 - FAB. STEEL
- 2 - CAST BRONZE - SB-62 (4' - 10' ONLY)
- 4 - CAST IRON (4' - 10' ONLY)
- 5 - STAINLESS STEEL - TYPE 304
- 6 - STAINLESS STEEL - TYPE 316 (REQUIRES 'S' NO.)

RLB 4-29-92 A5094L ECN1750

J	4-11-97	ECN 5566	PL BK				
G	5-31-96	ECN 4844	BK	L	6-2-98	ECN 5278C	<sup>PL</sup> RRB
F	4-29-92	ECN 1750	RT	K	5-5-98	ECN 6117	PL RLB
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

DRN BY RLB	DATE 4-29-92	CHK BY CSW	APPD BY	ENG APPL	A-PL-2900-904	SH. 3 OF 5	REV L
---------------	-----------------	---------------	------------	-------------	---------------	------------	----------

HEAD TYPE

000000T000000000

- A - THREADED (4" - 10" ONLY)
- B - CHANNEL - FLANGED - W/COVER (4" - 20" ONLY)
- C - CHANNEL - FLANGED - W/O COVER (ST'D)
- D - CHANNEL - THREADED - W/COVER (N.A.)
- E - CHANNEL - THREADED - W/O COVER (N.A.)
- F - FLANGED

TUBE PLATE

000000T000000000

- 1 - STEEL
  - 3 - CAST BRONZE SB-62 (4" - 12" ONLY)
  - 4 - CAST BRONZE SB-584 ALLOY 922 (4" - 12" ONLY)
  - 5 - STAINLESS STEEL - TYPE 304
  - 6 - STAINLESS STEEL - TYPE 316 (4" - 16" AND 20" ONLY)
  - 7 - NAVAL BRASS
  - 8 - CUPRO NICKEL 90/10
  - 9 - STEEL - B&G TUBE PLATE (4" - 12" ONLY)
  - A - STEEL - D/W HEAT EXCHANGER DESIGN
  - B - STAINLESS STEEL-TYPE 304-D/W HEAT EXCHANGER DESIGN
  - C - D/W DESIGN-HEAD SIDE-STAINLESS STEEL-TYPE 304  
SHELL SIDE-STEEL
  - D - D/W DESIGN-HEAD SIDE-STEEL  
SHELL SIDE-STAINLESS STEEL-TYPE 304
  - E - STEEL (GROOVED)
  - F - TYPE 304 S.S. (GROOVED)
  - G - TYPE 316 S.S. (GROOVED)
- (DOUBLE WALL ASSY ONLY)  
(SEE D-2900-S4 & S5)
- IF TUBING IS D, E, K OR M

M	2-5-97	ECN 5446	PL BK				
K	12-2-93	ECN 2950	BK				
J	11-9-93	ECN 2911		P	6-2-98	ECN 5278C	<i>PL</i>
H	4-29-92	ECN 1750		N	4-8-98	ECN 6542	PL
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE

TUBING

000000T000000000

- A - COPPER - 3/4 OD X .035 WALL SB75 20GA.
- B - COPPER - 3/4 OD X .049 WALL SB75 18GA.
- C - COPPER - 3/4 OD X .065 WALL SB75 16GA.
- D - S.S.-TYPE 304-3/4 OD X .049 WALL SA-249 TP304 18GA.
- E - S.S.-TYPE 316-3/4 OD X .049 WALL SA-249 TP316 18GA.
- F - CU/Ni-90/10-3/4 OD X .035 WALL SB111-706 20GA.
- G - CU/Ni-90/10-3/4 OD X .049 WALL SB111-706 18GA.
- H - CU/Ni-70/30-3/4 OD X .049 WALL SB111-715 18GA.
- J - ADMIRALTY-3/4 OD X .049 WALL SB111-445 18GA.
- K - STEEL - 3/4 OD X .049 WALL SA214 18GA.
- L - COPPER-1 1/4 OD X .065 WALL TC AND TW ONLY 16GA.
- M - STEEL - 3/4 OD X .049 WALL SA179 18GA.
- N - COPPER-(DOUBLE WALL)-3/4 OD X 15/32 ID, 19 FINS/INCH .049 T
- S - DOUBLE WALL COPPER OUTER/CU NI INNER 3/4 OD 19 FINS/IN .049 T
- I - DOUBLE WALL CU NI OUTER/CU NI INNER 3/4 OD 19 FINS/IN .049 T

BAFFLE

000000T000000000

- P - BRONZE (4" ONLY)
- T - STEEL
- U - STAINLESS STEEL - TYPE 304
- X - STAINLESS STEEL - TYPE 316 (4", 6", 8" & 10" ONLY)
- Y - NAVAL BRASS
- Z - CUPRO - NICKEL 90/10 (4", 6" & 8" ONLY)

PITCH

000000T000000000

02, 03, 04, 06, 08, 10, ETC. (BAFFLE PITCH IN INCHES)

L	12-2-93	ECN 2950	BK	R	6-2-98	ECN 5278C	<i>PL BK</i>
K	11-9-93	ECN 2911		P	9-5-97	ECN 5983	PL BK
Q	4-6-98	ECN 6542		M	10-2-95	ECN 4312	PL
REV	DATE	DESCRIPTION	APPD	REV	DATE	DESCRIPTION	APPD

KEY TO  
HEAT EXCHANGER CODE