



There must be
~~3600~~ easy ways
to put these
ultra-reliable
workhorses
to use.

Trouble-Free Versatility



Applications

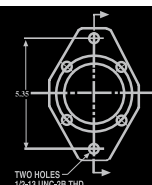
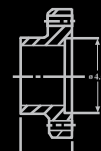
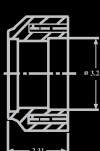
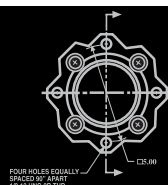
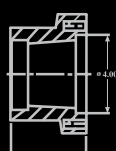
- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

Features

- Heavy duty cast iron helical gear pumps
- Bi-directional, self-priming
- Differential pressures to 125psi
- Up to 340gpm
- Standard operation up to 212F
- Can be built to operate up to 500F
- Maintenance-free durability

Options

- Through ports or angled ports; 2-sided or top and side configuration
- Threaded ports or flanged, tapped port connections
- Integral relief valve and integral gear reducer
- Outboard bearing, depending on drive and seal arrangements



3600 Series

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www.roperpumps.com

Pump Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
3611/3711	.11GPR(416.4 CC.REV)	750RPM	82.5GPM (18.6M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
4611/4711	.11GPR(416.4 CC.REV)	750RPM	82.5GPM (18.6M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
3617/3717	.17GPR(643.5 CC.REV)	750RPM	127.5GPM (28.8M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
4617/4717	.17GPR(643.5 CC.REV)	750RPM	127.5GPM (28.8M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
3622/3722	.22GPR(832.8 CC.REV)	750RPM	165GPM (37.2M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
4622/4722	.22GPR(832.8 CC.REV)	750RPM	165GPM (37.2M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
3635/3735	.37GPR(1400.6 CC.REV)	600RPM	222GPM (50.4M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
4638/4738	.38GPR(1438.4 CC.REV)	900RPM	342GPM (77.4M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
3648/3748	.52GPR(1968.4 CC.REV)	900RPM	468GPM (106.2M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
3658/3758	.60GPR(2271.2 CC.REV)	600RPM	360GPM (81.6M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
4658/4758	.58GPR(2195.53 CC.REV)	600RPM	348GPM (79.2M ³ /HR)	125 PSI (8.6Bar)	4"NPT"

Materials of Construction

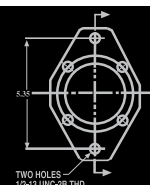
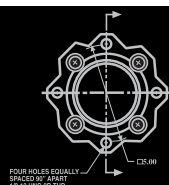
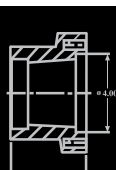
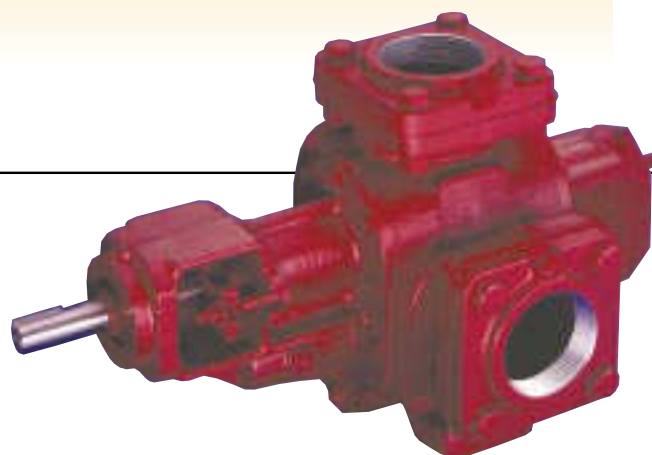
Housing	Gears	Bearings	Shaft
• Cast Iron	• Hardened Steel	• Bronze	• Steel
Options	• Stainless Steel	• Iron	• Stainless Steel
		• Carbon	

Key Features

- Right angle or thru port design
- Bi-directional rotation
- Steam jackets available
- Flange or foot mounted configurations

Options

- Integral gear reducer
- Bearing materials
- Packing or seals available
- Internal relief valve





3600 Series Nomenclature:

First digit indicates port orientation

3 has the ports located at 90^0 i.e.: Top and side locations.

4 has the ports located at 180^0 i.e.: side and side locations.

Second digit identifies the sealing arrangement

6 is for packing

7 is for mechanical seal

Sizes Available

11 provides .11gpr

17 provides .17gpr

22 provides .23/.22gpr

35 provides .37gpr

38 provides .38gpr

48 provides .52gpr

58 provides .58/.60gpr

Drive Arrangements

H - Pump head without outboard bearing.

HB - Pump head with outboard bearing.

GHB - Pump head with outboard bearing and built-on gear reduction unit.

F - Pump with flanged ports.

Example: **3611HBF**

1st number (3): 90^0 ports

2nd number (6): packing seal

3rd number (11): .11 gallons per revolutions

HB: pump head with outboard bearing

F: flanged ports



4668-4699 Series Nomenclature:

The nomenclature is the same as the other 3600 Series pumps, with there only being two sizes:

68 provides 0.68gpr

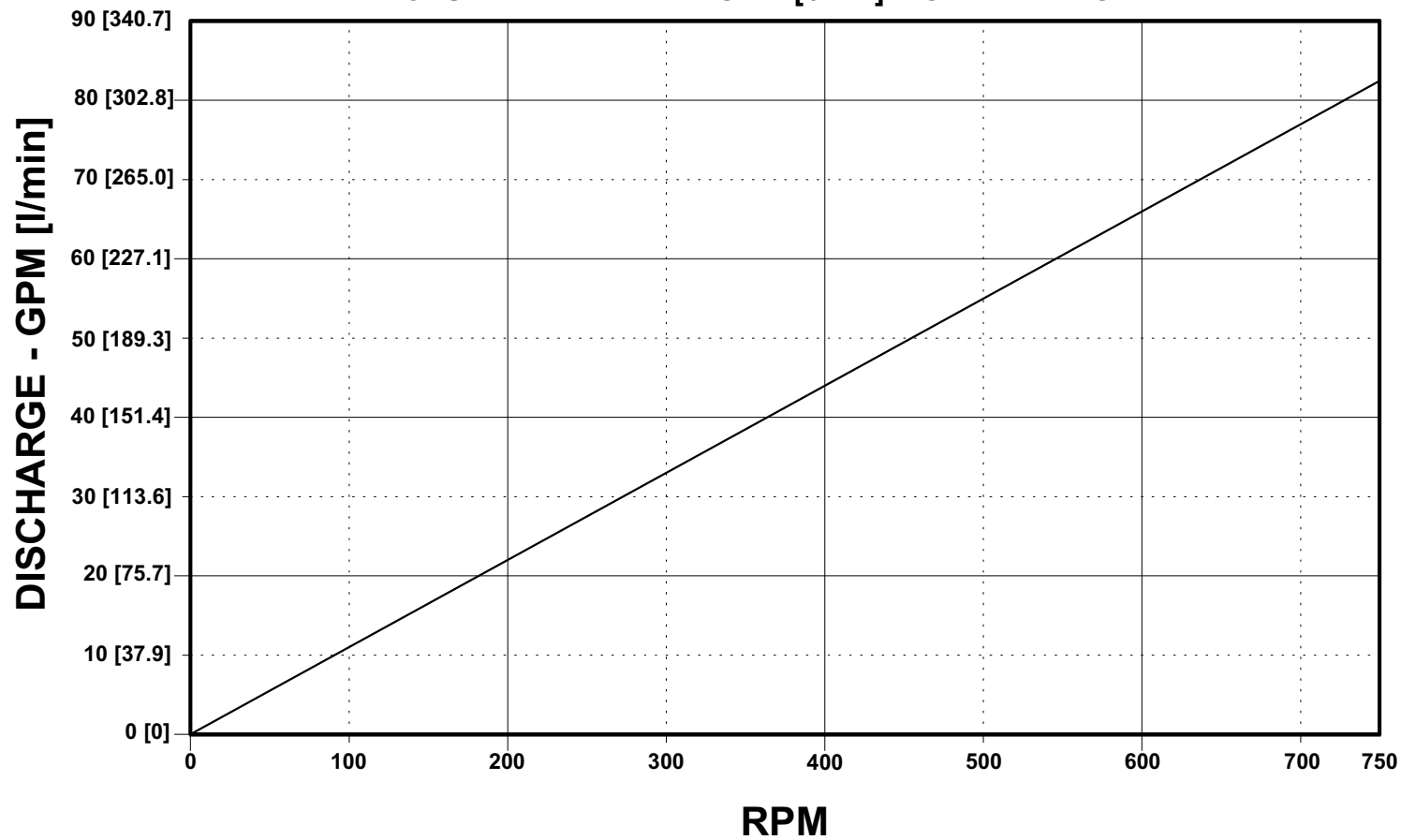
99 provides 0.99gpr

SERIES: 3611, 3711, 4611, 4711

GRAPH 1

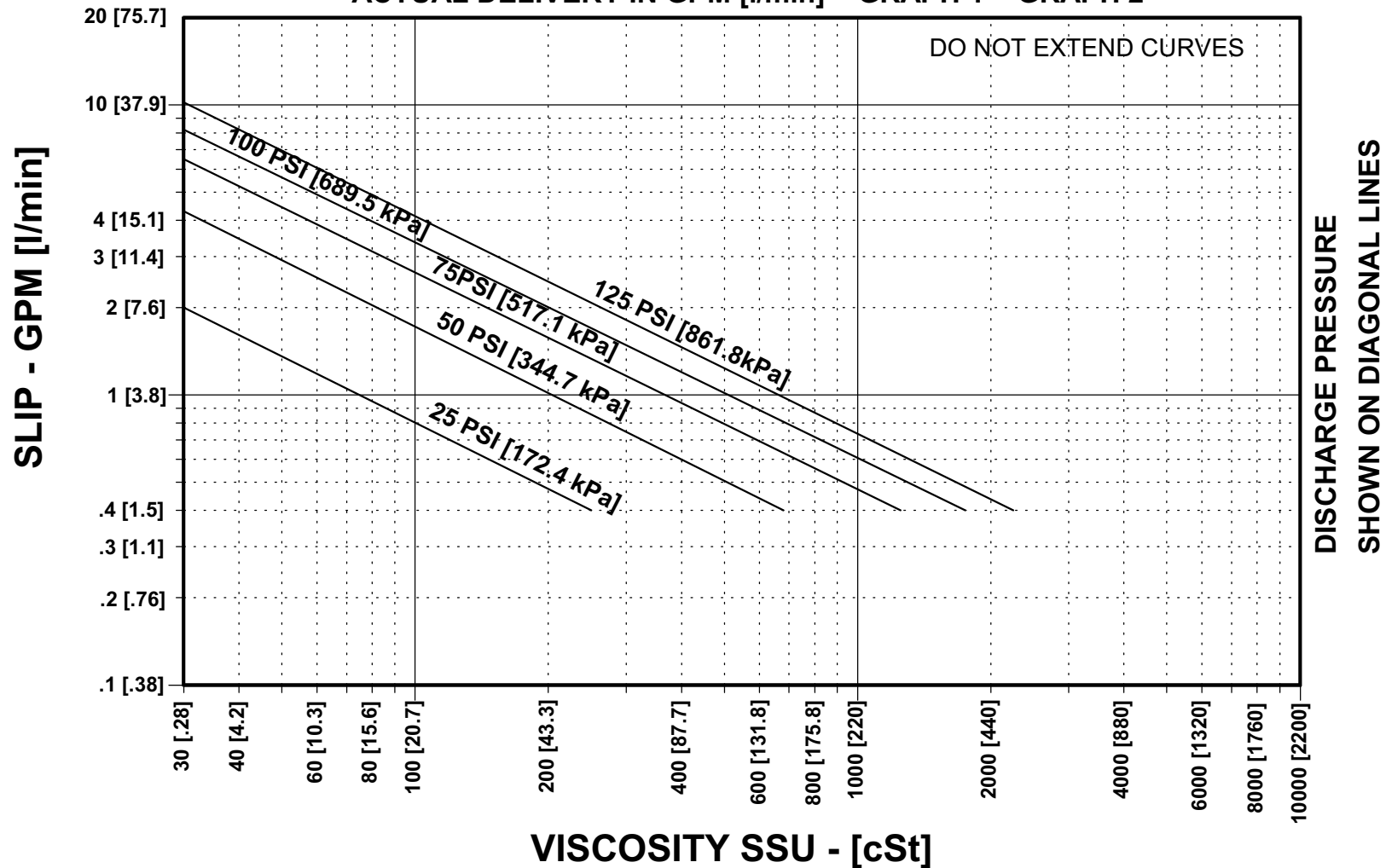
THEORETICAL GPM

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 + GRAPH 2



SERIES: 3611, 3711, 4611, 4711
GRAPH 2
SLIP

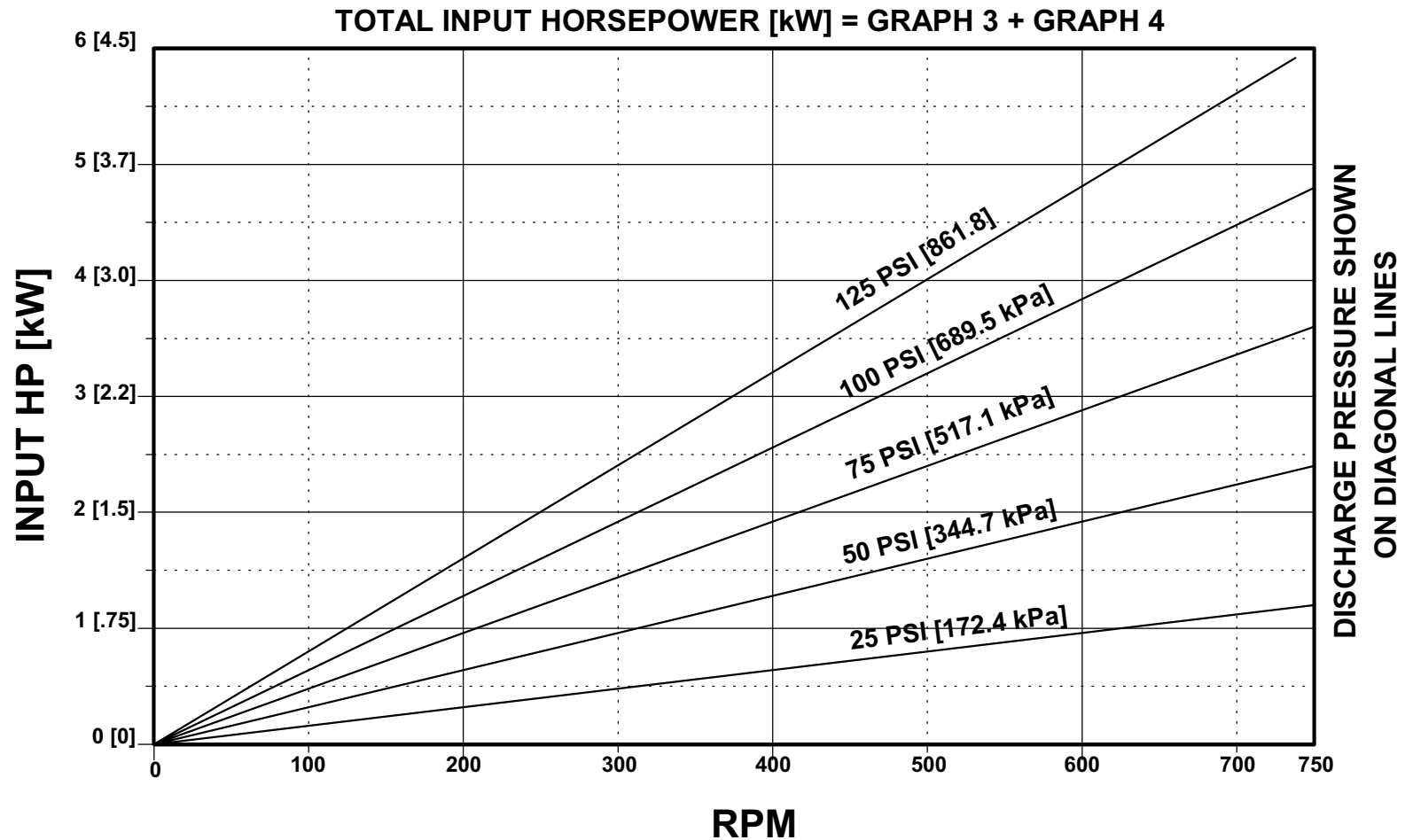
ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 + GRAPH 2



SERIES: 3611, 4611, 3711, 4711

GRAPH 3

INPUT HORSEPOWER



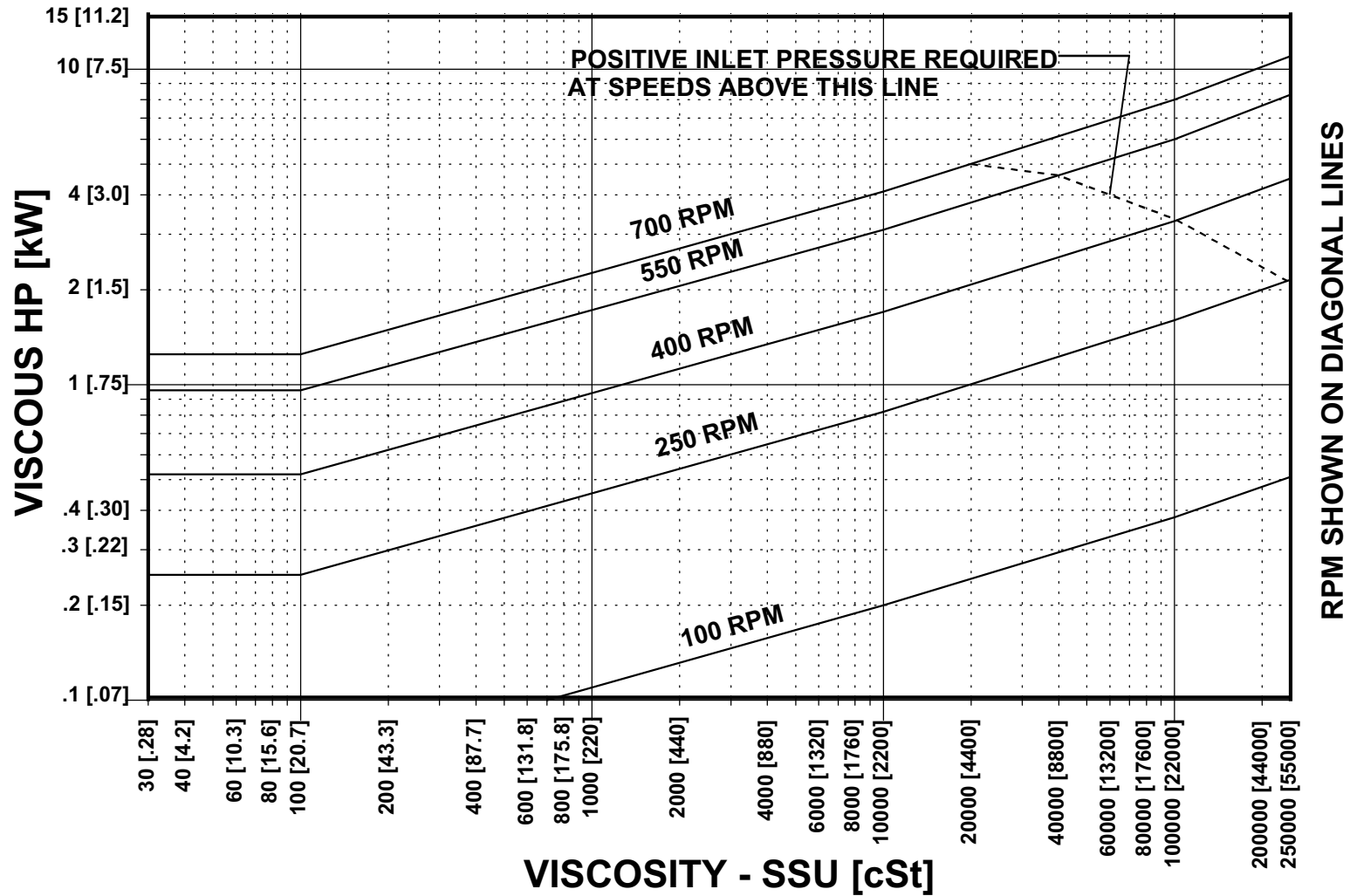
SERIES: 3611, 3711, 4611, 4711

GRAPH 4

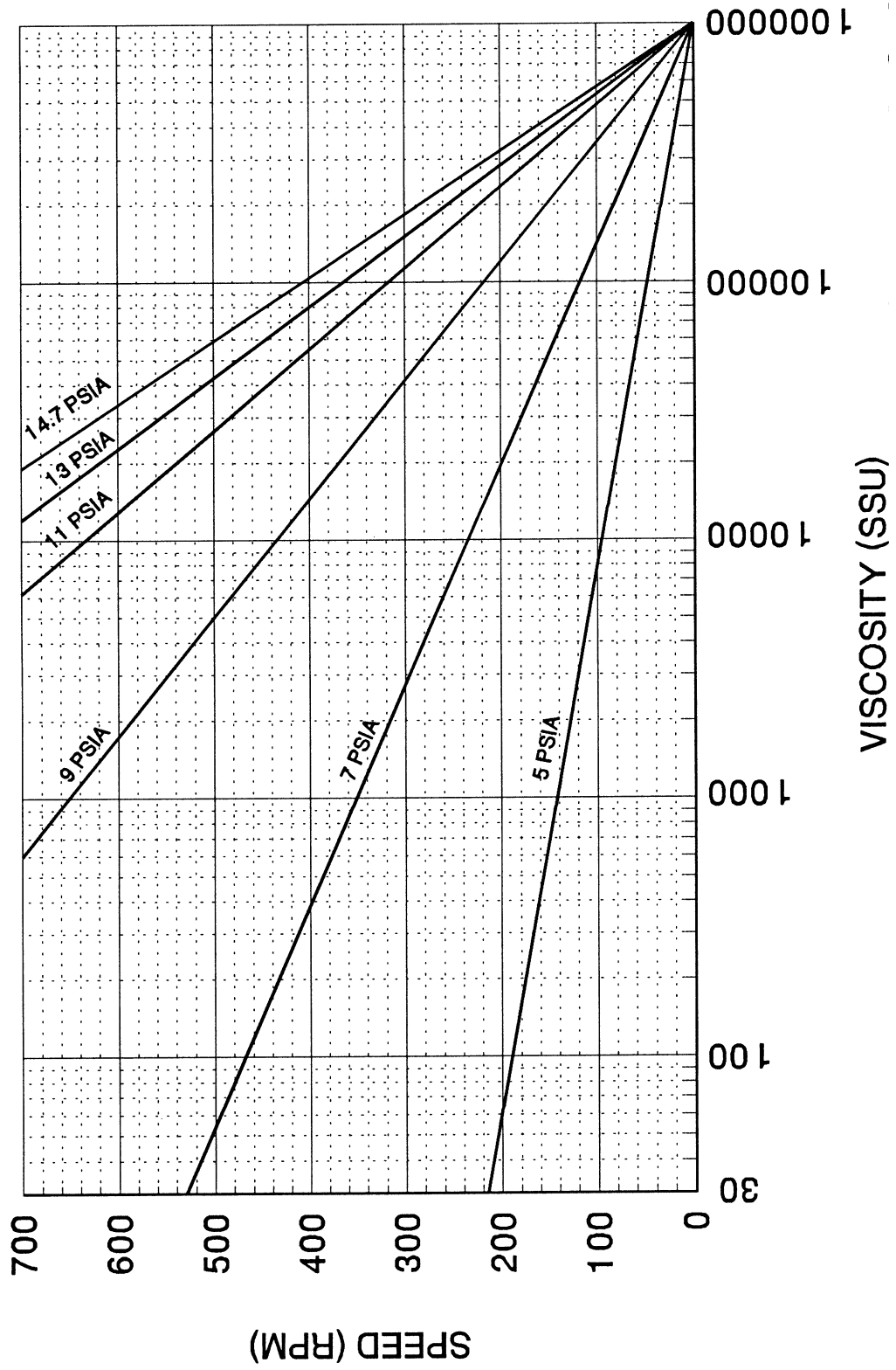
VISCOUS HORSEPOWER

Carbon bearings recommended
for low viscosity, non-lubricating
liquids.

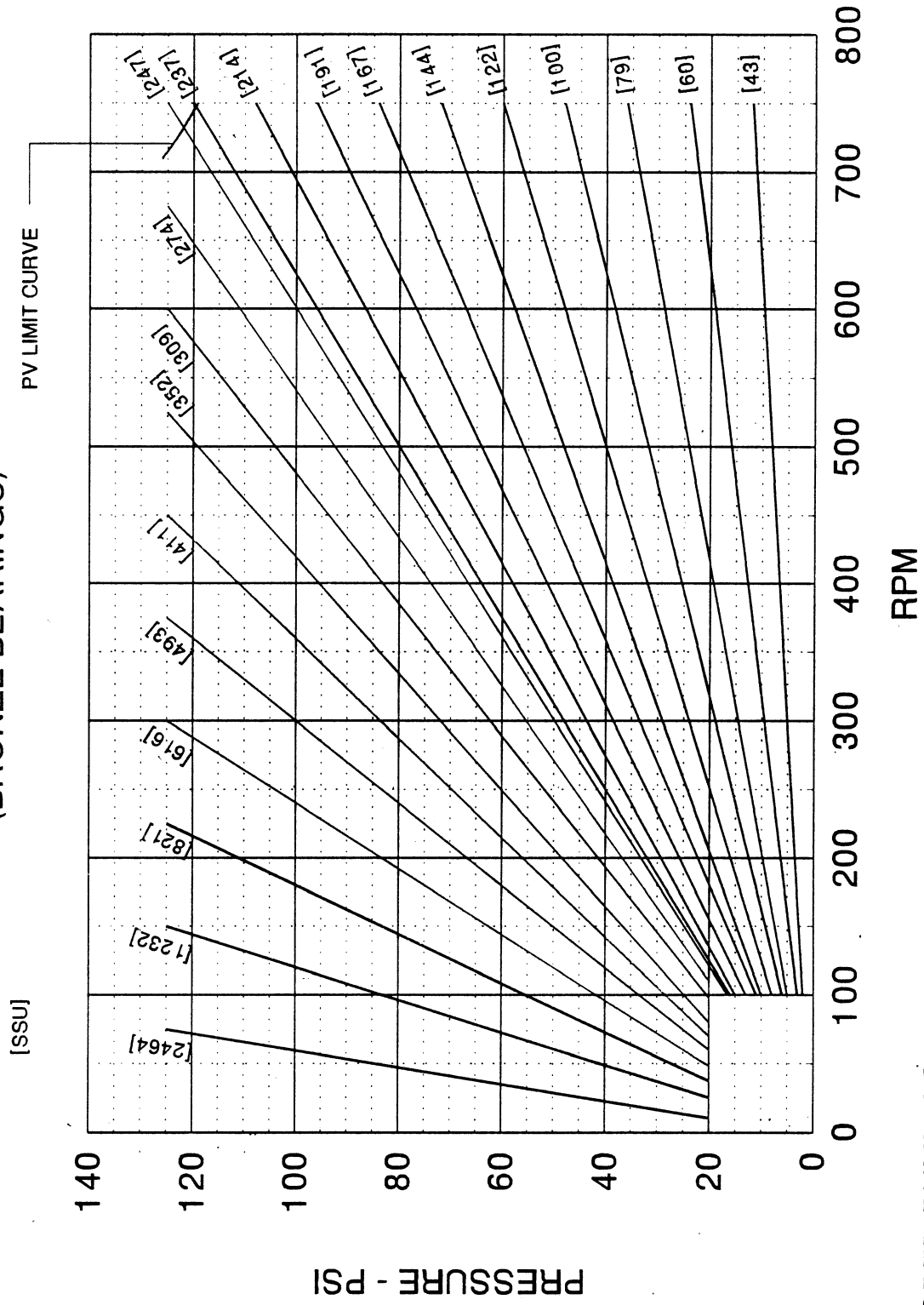
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



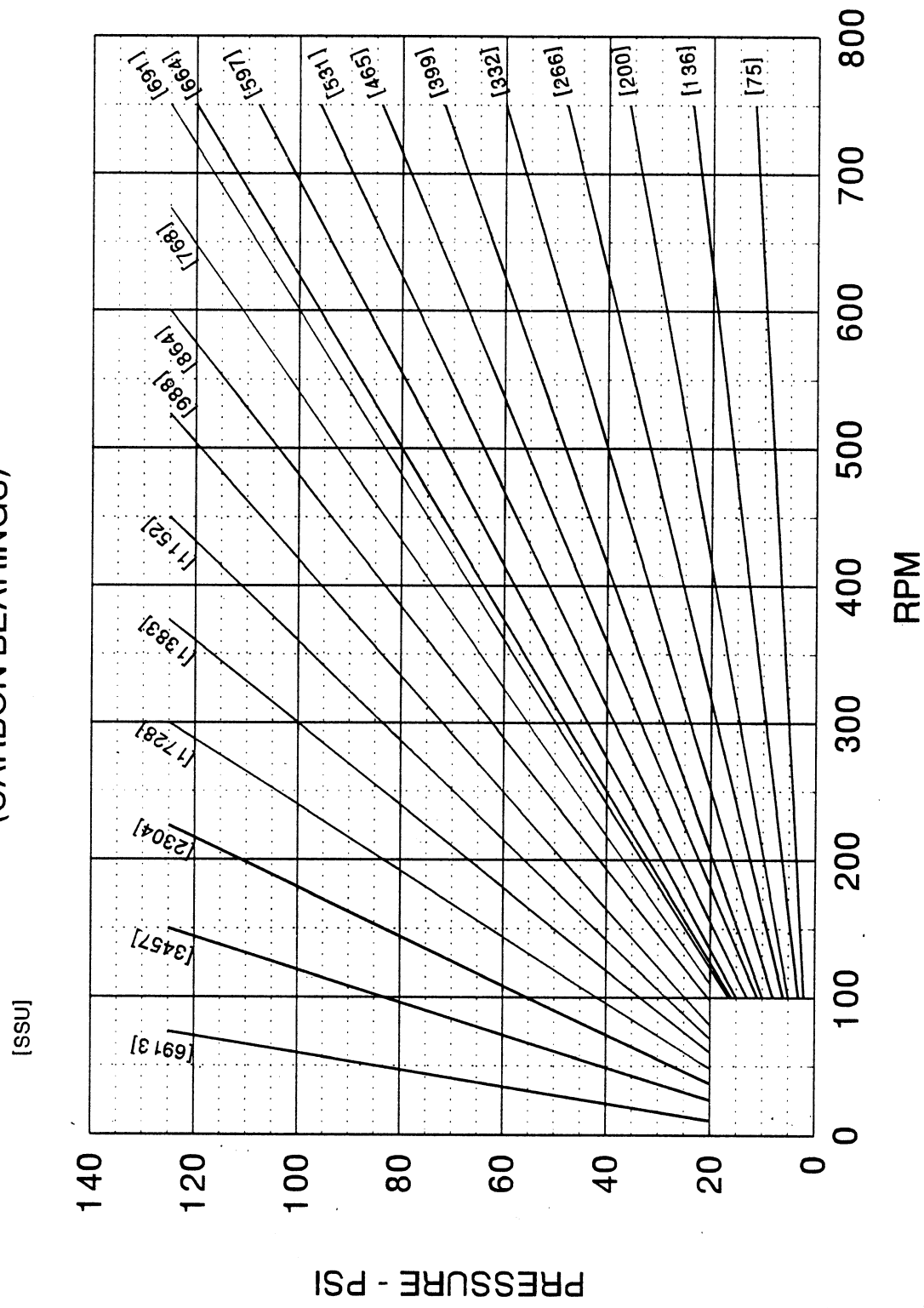
3611,3711,3617,3717,3622,3722,4611,4711,4617,4717,4622,4722
REQUIRED NET INLET PRESSURE



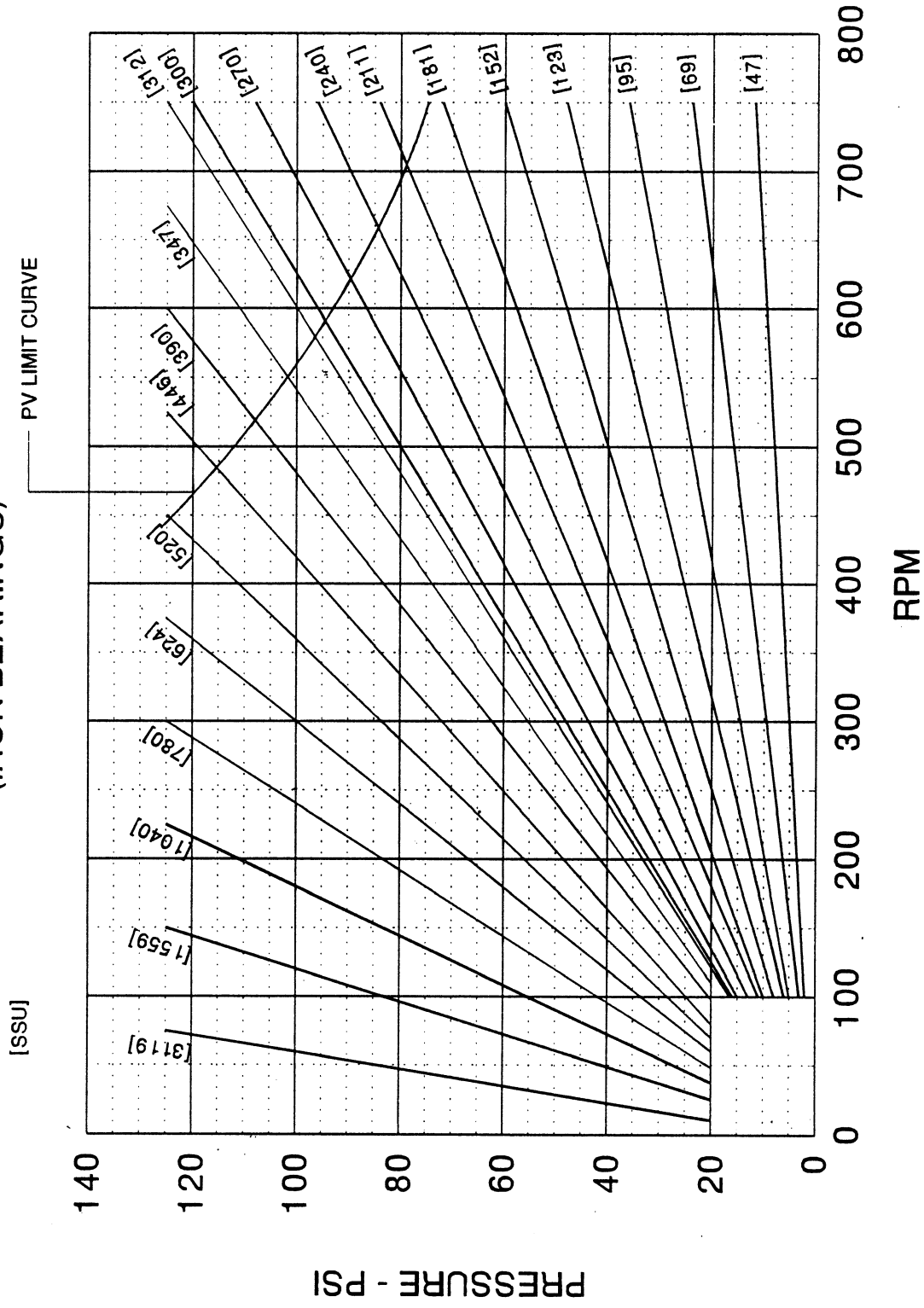
3611,3711,4611,4711 (BRONZE BEARINGS)



3611,3711,4611,4711 (CARBON BEARINGS)



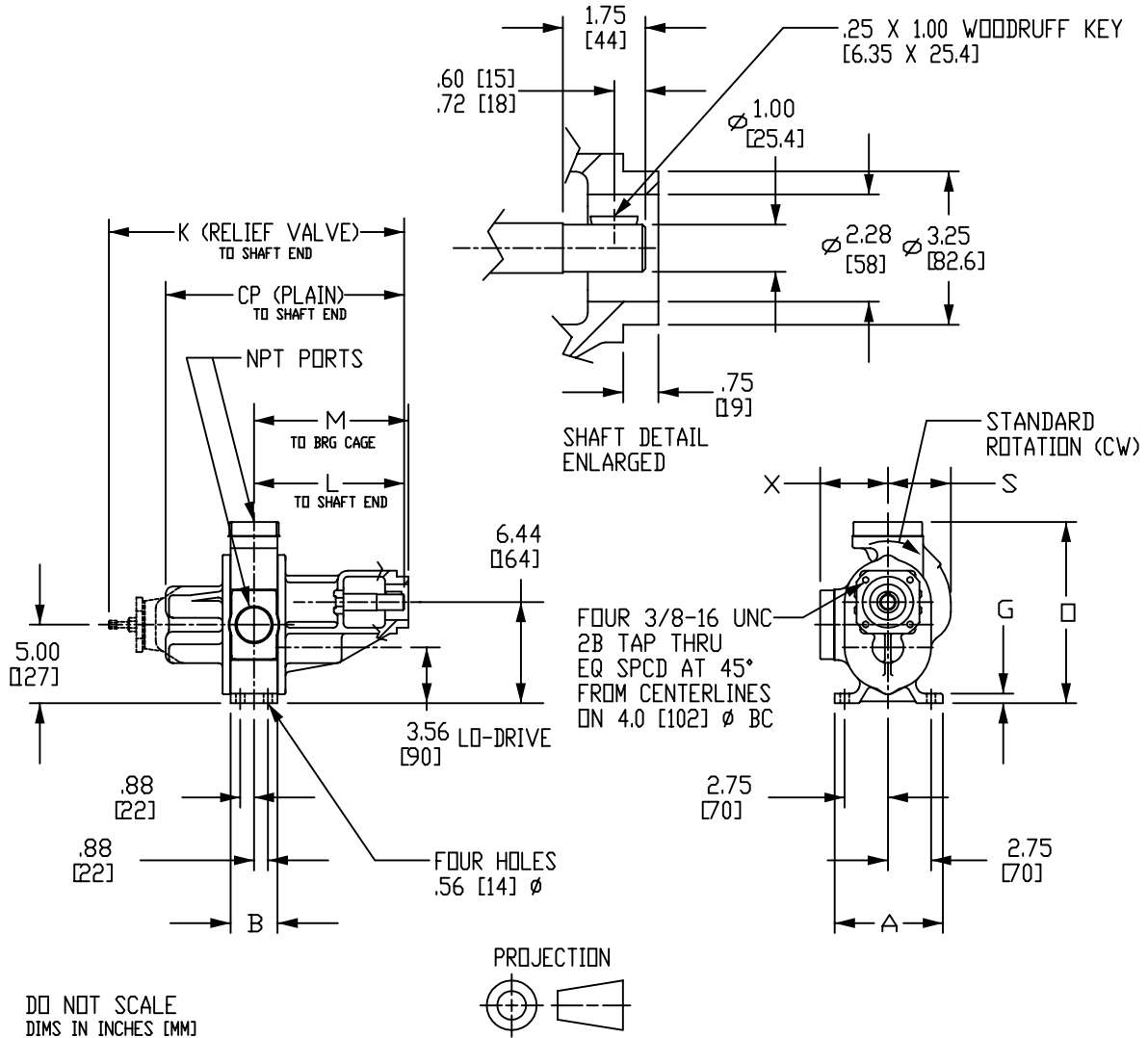
3611,3711,4611,4711 (IRON BEARINGS)



ROPER PUMP COMPANY
ISSUED:1 /96

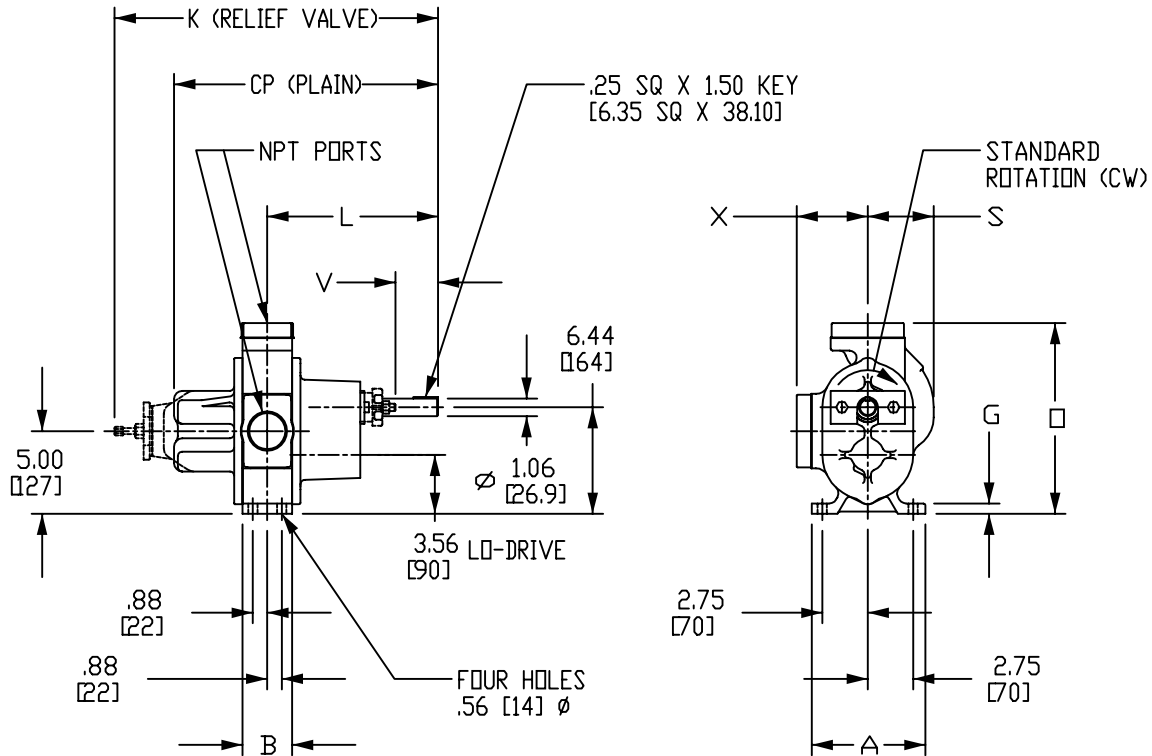
COMMERCE, GEORGIA

3611-3722 BH,F,RV TYPE 3

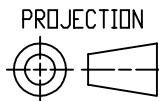


PUMP	A	B	CP	G	K	L	M	□	PORTS	S	X			
3611 & 3711 BH	7.00	3.00	15.24	.75	18.84	9.61	9.89	10.75	2' TAPPED	4.00	3.62			
3611 & 3711 BHRV	[178]			[19]				[478]			[244]	[251]	[273]	[92]
3611 & 3711 BHF	6.88			.62				11.54	2' FLANGED		4.30			
3611 & 3711 BHFRV	[175]	[16]	[293]	[109]										
3617 & 3717 BH	7.00	3.50	16.74	.75	20.34	10.36	10.64	10.75	2' TAPPED		3' FLANGED	3.62		
3617 & 3717 BHRV	[178]							[517]				[263]	[270]	[273]
3617 & 3717 BHF	6.88							11.54	3' FLANGED			4.30		
3617 & 3717 BHFRV	[175]							[293]			[109]			
3622 & 3722 BHF	7.00							3.62	18.24	21.84	11.11	11.39	12.16	4.41
3622 & 3722 BHFRV	[178]	[92]	[463]		[555]	[282]	[289]	[309]	[112]					

3611-3722 H,F,RV SPEC G TYPE 3



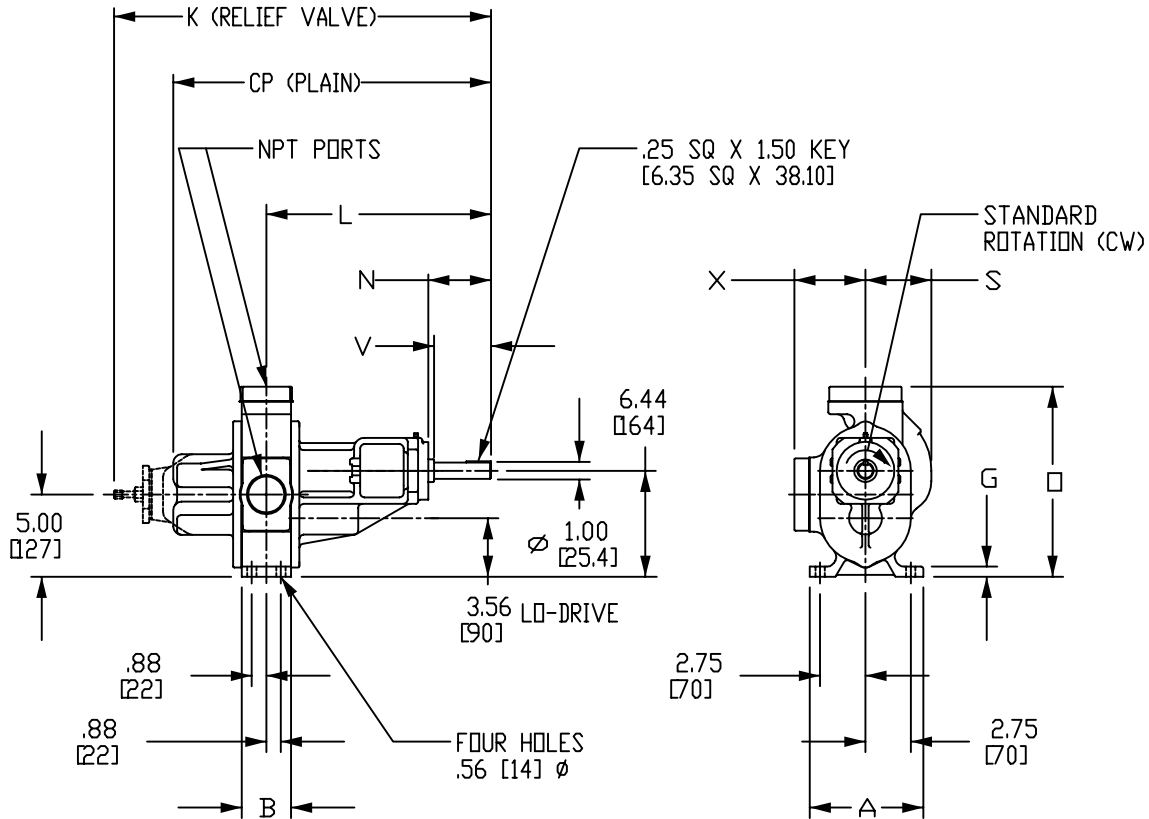
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DIMS IN INCHES [MM]



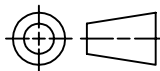
▲ PACKED BOX
★ MECH SEAL

PUMP	A	B	CP	G	K	L	□	PORTS	S	▲ V ★		X		
3611 & 3711 H	7.00	3.00 [76]	15.97 [406]	.75 [19]	19.57 [497]	10.34 [263]	10.75 [273]	2" TAPPED	4.00 [102]	2.58 [66]	4.18 [106]	3.62 [92]		
3611 & 3711 HRV	[178]													
3611 & 3711 HF	6.88			.62 [16]			11.54 [293]	2" FLANGED				4.30 [109]		
3611 & 3711 HFRV	[175]													
3617 & 3717 H	7.00	3.50 [89]	16.72 [425]	.75 [19]	20.33 [516]		10.75 [273]	2" TAPPED			1.83 [47]	3.43 [87]	3.62 [92]	
3617 & 3717 HRV	[178]													
3617 & 3717 HF	6.88						11.54 [293]	2" FLANGED					4.30 [109]	
3617 & 3717 HFRV	[175]													
3622 & 3722 HF	7.00	3.62 [92]	18.59 [472]			22.19 [564]	11.46 [291]	12.16 [309]	2" FLANGED		4.41 [112]	2.20 [56]	3.80 [96]	6.41 [163]
3622 & 3722 HFRV	[178]													

3611-3722 HB,F,RV TYPE 3



PROJECTION

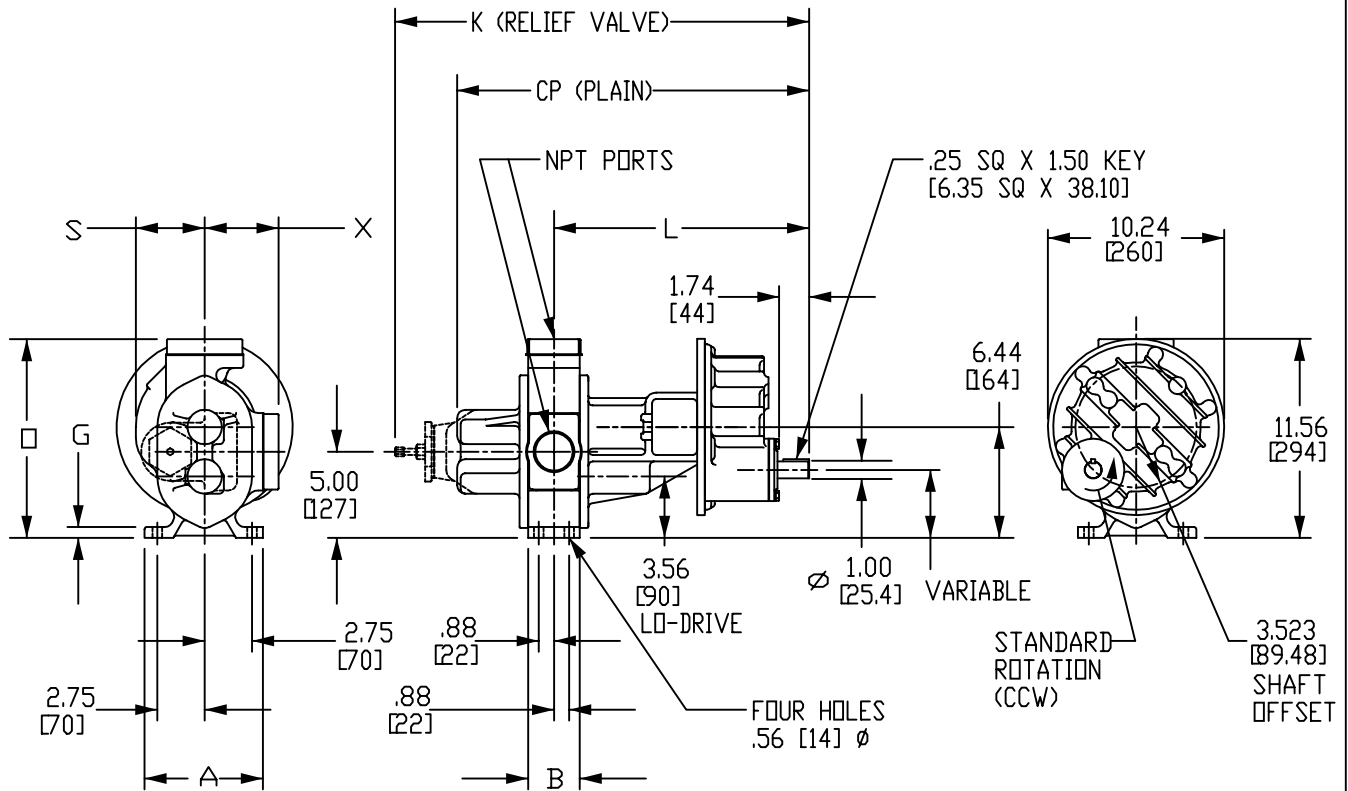


DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

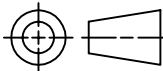
[illegible]

3611-3722 GHB,F,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

PROJECTION

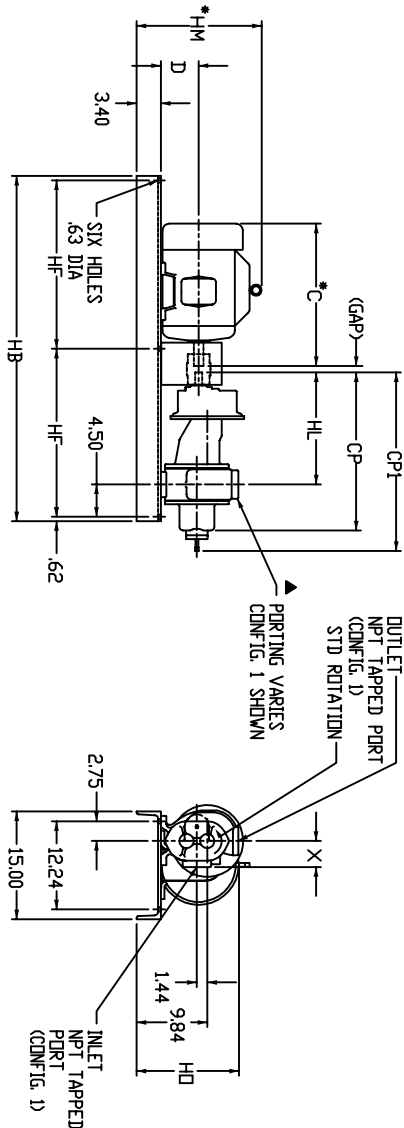


DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

PUMP	A	B	CP	G	K	L	□	PORTS	S	X
3611 & 3711 GHB	7.00	3.00	20.47	.75	24.07	14.83	10.75	2" TAPPED	4.00	3.62
3611 & 3711 GHBRV	[178]			[19]			[273]			[92]
3611 & 3711 GHBF	6.88	[76]	[596]	.62	[611]	[377]	11.54	2" FLANGED		4.30
3611 & 3711 GHBFRV	[175]			[16]			[293]			[109]
3617 & 3717 GHB	7.00	3.50	21.97	.75	25.57	15.58	10.75	2" TAPPED	[102]	3.62
3617 & 3717 GHBRV	[178]						[273]			[92]
3617 & 3717 GHBF	6.88						11.54	3" FLANGED		4.30
3617 & 3717 GHBFRV	[175]						[293]			[109]
3622 & 3722 GHBF	7.00	3.62	23.47		27.07	16.33	12.16		4.41	6.41
3622 & 3722 GHBFRV	[178]						[309]			[163]

3611-4722 MGHB, F, RV TYPE 3



✓	PUMP	PORT CONFIG.	PORT SIZE	X	HD	CP	CP1	HL	PLAIN PUMP WEIGHT	W/RV
	3611-3711 GHB, RV	1	2" NPT	3.62	14.15				105	109
	3611-3711 GHB, F, RV	2	2" NPT FLG	4.30	14.94	20.47	24.07	14.83	105	109
	4611-4711 GHB, F, RV	3	2" NPT FLG	4.17	12.84				105	109
	4611-4711 GHB, A, RV	4	2" ANSI FLG	4.73	12.84				115	119
	3617-3717 GHB, RV	1	2" NPT	3.62	14.15				123	127
	3617-3717 GHB, F, RV	2	2" NPT FLG	4.30	14.94	21.97	25.57	15.58	123	127
	4617-4717 GHB, F, RV	3	3" NPT FLG	4.41	12.84				123	127
	4617-4717 GHB, A, RV	4	3" ANSI FLG	4.73	12.84				131	135
	3622-3722 GHB, F, RV	2	3" NPT FLG	6.41	15.56				151	155
	4622-4722 GHB, F, RV	3	4" NPT FLG	4.85	12.84	23.47	27.07	16.33	151	155
	4622-4722 GHB, A, RV	4	4" ANSI FLG	5.53	12.90				157	161

✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
LOVEJOY COUPLINGS STANDARD

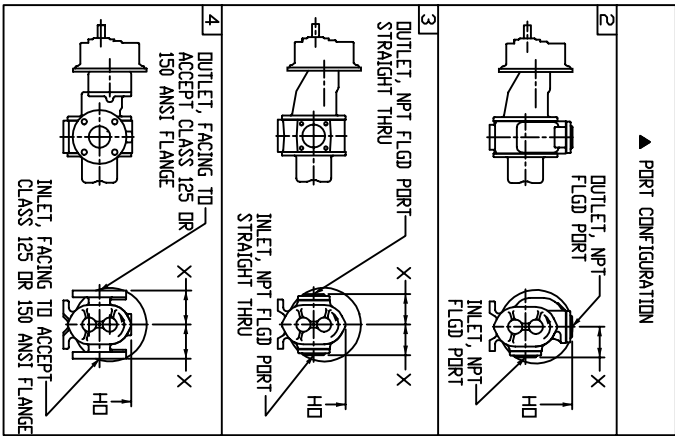
BASE/COUPLING/
HARDWARE WEIGHT

✓	MOTOR FRAME WEIGHT	11	17	22	*C	D	*HM	HB	HF	(GAP)
	143T	54	118	118	12.56	3.50	10.88			.50
	145T	65			12.82			40	19.38	
	182T	97			16.56	4.50	14.65			.88
	184T	110	119	119	18.06					
	213T	162			18.56	5.25	16.40			.88
	215T	189	144	144	21.09			48	23.38	
	254T	283	N/A	145	23.19	6.25	17.59			1.0
	256T	290			23.19					



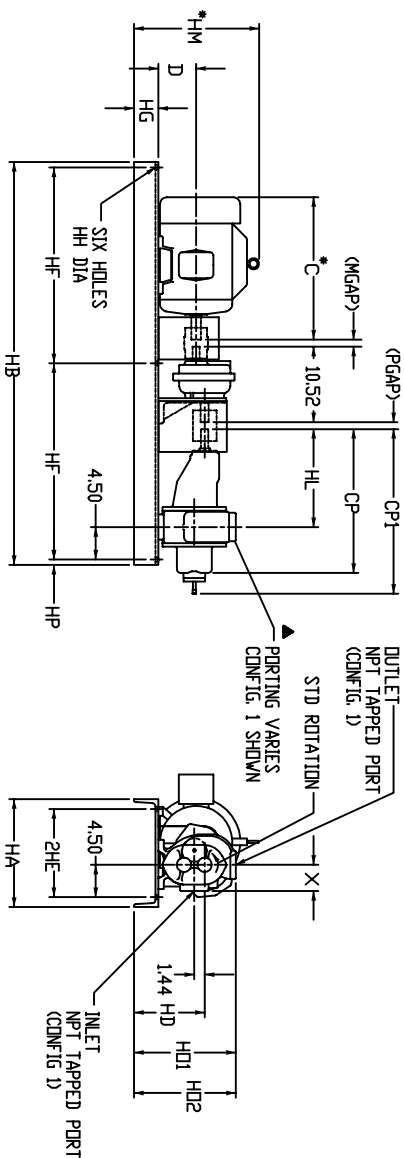
ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD MAYSVILLE RD
COMMERCE, GEORGIA 30529 U.S.A.
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

▲ PORT CONFIGURATION



DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

3611-4722 HMB.F.RV TYPE 3
(WITH ROPER FIGURE 4125 GEAR REDUCER)



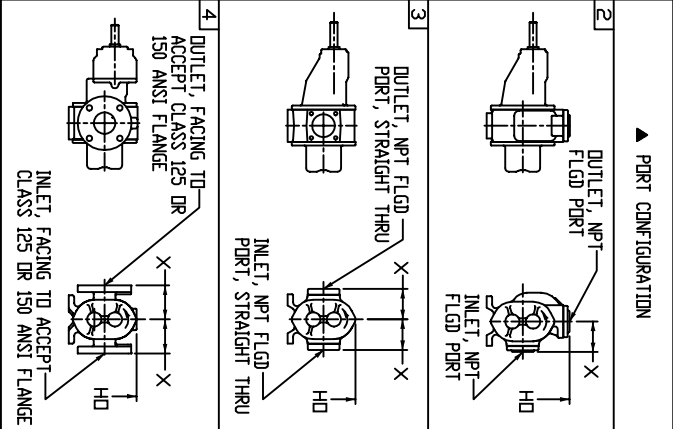
✓	PUMP	PORT CONFIG.	PORT SIZE	X	CP	CP1	HL	PLAIN	W/RV	H01	H02	APPROXIMATE PUMP WEIGHT	1431-1847 MOTOR	2131-2567 MOTOR
✓	3611-3711 HBRV	1	2" NPT	362				65	69	14.15	14.70			
	3611-3711 HBF.RV	2	2" NPT FLG	4.30				65	69	14.94	15.49			
	4611-4711 HBF.RV	3	2" NPT FLG	4.17	19.32	22.92	13.69	65	69	12.84	13.39			
	4611-4711 HBARV	4	2" ANSI FLG	4.73				75	79	12.84	13.39			
	3617-3717 HBRV	1	2" NPT	362				83	87	14.15	14.70			
	3617-3717 HBF.RV	2	2" NPT FLG	4.30				83	87	14.94	15.49			
	4617-4717 HBF.RV	3	3" NPT FLG	4.41	20.07	23.67	13.69	83	87	12.84	13.39			
	4617-4717 HBARV	4	3" ANSI FLG	4.73				91	95	12.84	13.39			
	3622-3722 HBF.RV	2	3" NPT FLG	6.41				111	115	15.56	16.11			
	4622-4722 HBF.RV	3	4" NPT FLG	4.85	21.57	25.17	14.44	111	115	12.84	13.39			
	4622-4722 HBARV	4	4" ANSI FLG	5.53				117	121	12.90	13.45			

✓	MOTOR FRAME WEIGHT	11	17	22	*C	D	*HM	HA	HB	HD	2HE	HF	HG	HH	HP	(PGAP) (MGP)	(MGP)
✓	143T	54	150	150	150	10.88										.50	.50
	145T	65	150	150	150	12.82										.75	.50
	182T	97	154	154	154	16.56										.88	.88
	184T	110	154	154	154	18.06										.88	.88
	213T	162	219	219	219	18.56										.88	.88
	215T	189	219	219	219	21.09										.88	.88
	254T	283	223	223	223	23.19										1.0	1.0
	256T	290	223	223	223	23.19										1.0	1.0



ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD WAYSVILLE RD
COMMERCE, GEORGIA 30529 USA
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

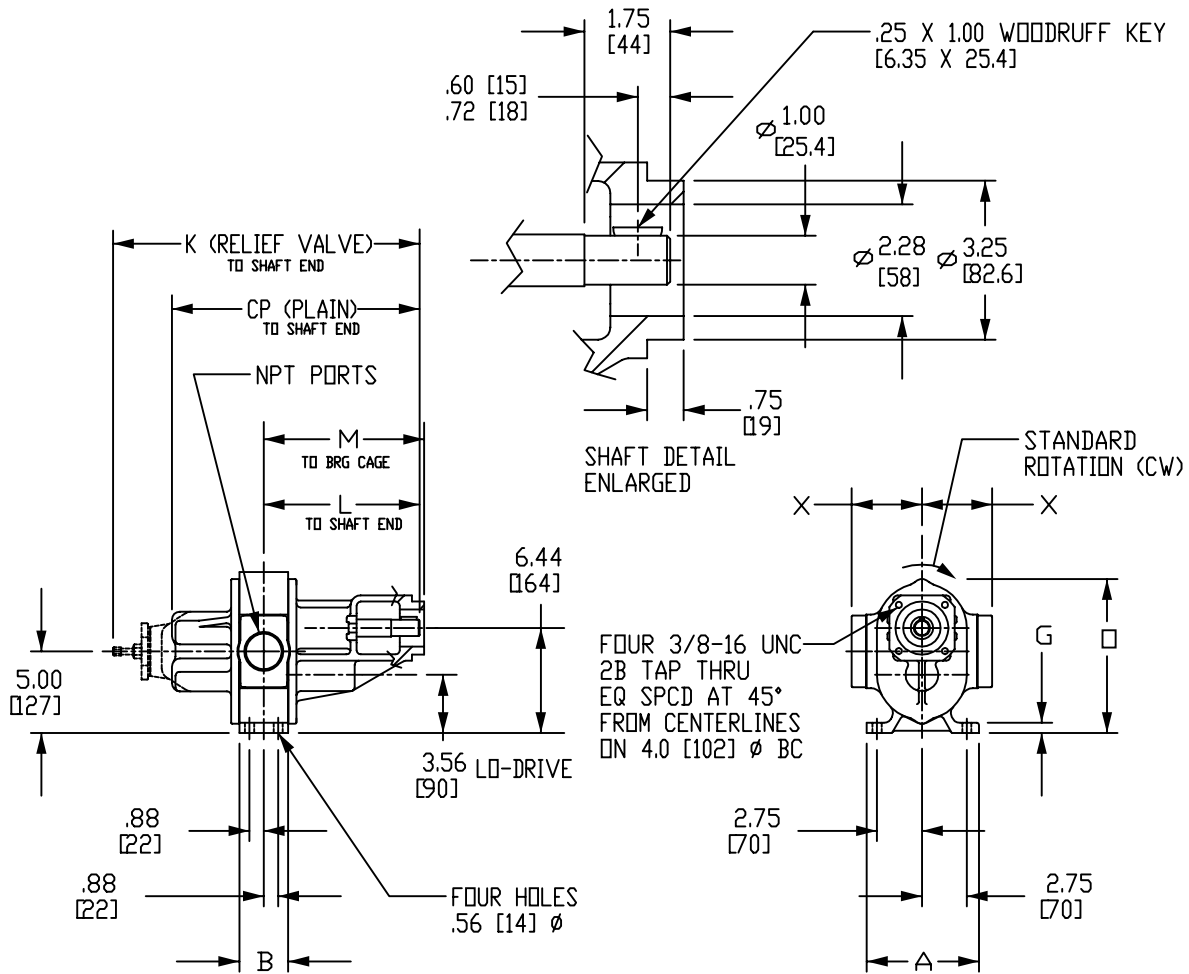
▲ PORT CONFIGURATION



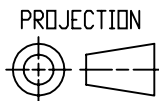
✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TEC 3 PHASE MOTORS.
RV = RELIEF VALVE
FIGURE 4125 GEAR REDUCER WEIGHT - 55
LOVEJOY COUPLINGS STANDARD

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

4611-4722 BHF,RV TYPE 3

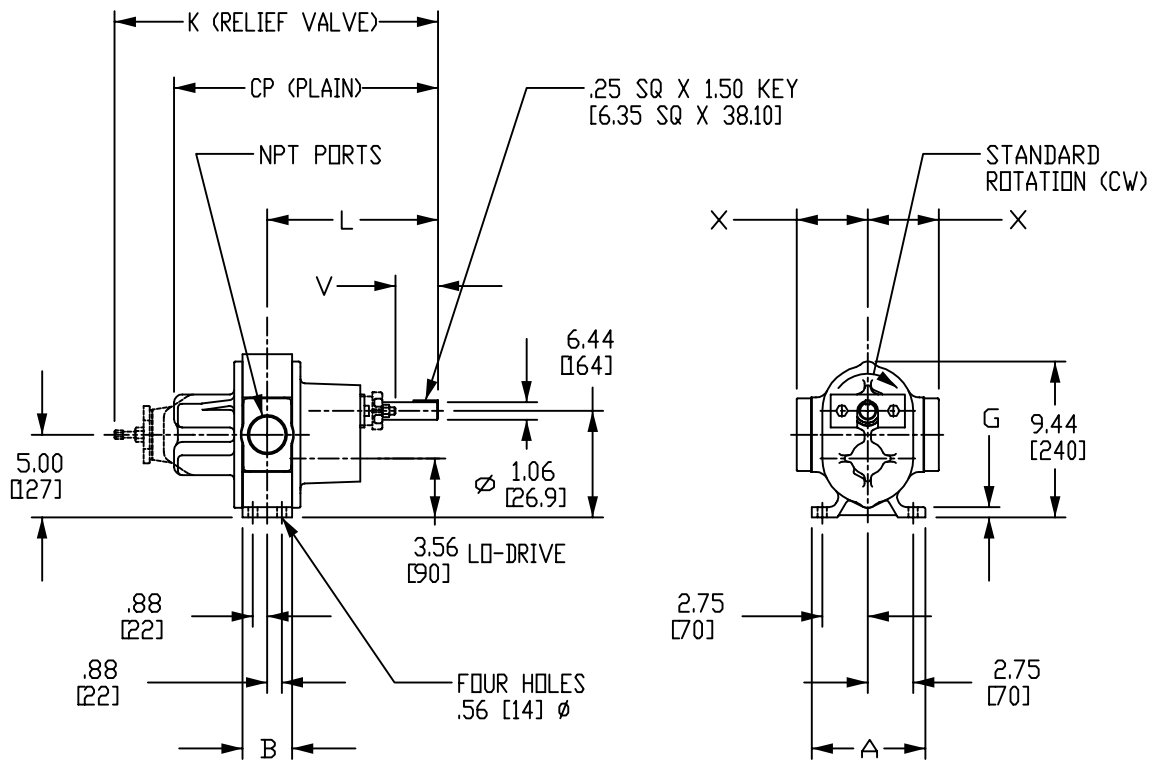


DO NOT SCALE
DIMS IN INCHES [MM]

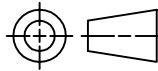


PUMP	A	B	CP	G	K	L	M	PORTS	X
4611 & 4711 BHF	6.50 [165]	3.00 [76]	15.24 [387]	.62 [16]	18.84 [478]	9.61 [244]	9.89 [251]	2" FLANGED	4.17 [106]
4611 & 4711 BHFRV									
4617 & 4717 BHF		4.50 [114]	16.74 [425]	.75 [19]	20.34 [517]	10.36 [263]	10.64 [270]	3" FLANGED	4.41 [112]
4617 & 4717 BHFRV									
4622 & 4722 BHF	7.00 [178]	3.62 [92]	18.24 [463]		21.84 [555]	11.11 [282]	11.39 [289]	4" FLANGED	4.85 [123]
4622 & 4722 BHFRV									

4611-4722 HF,RV SPEC G TYPE 3



PROJECTION

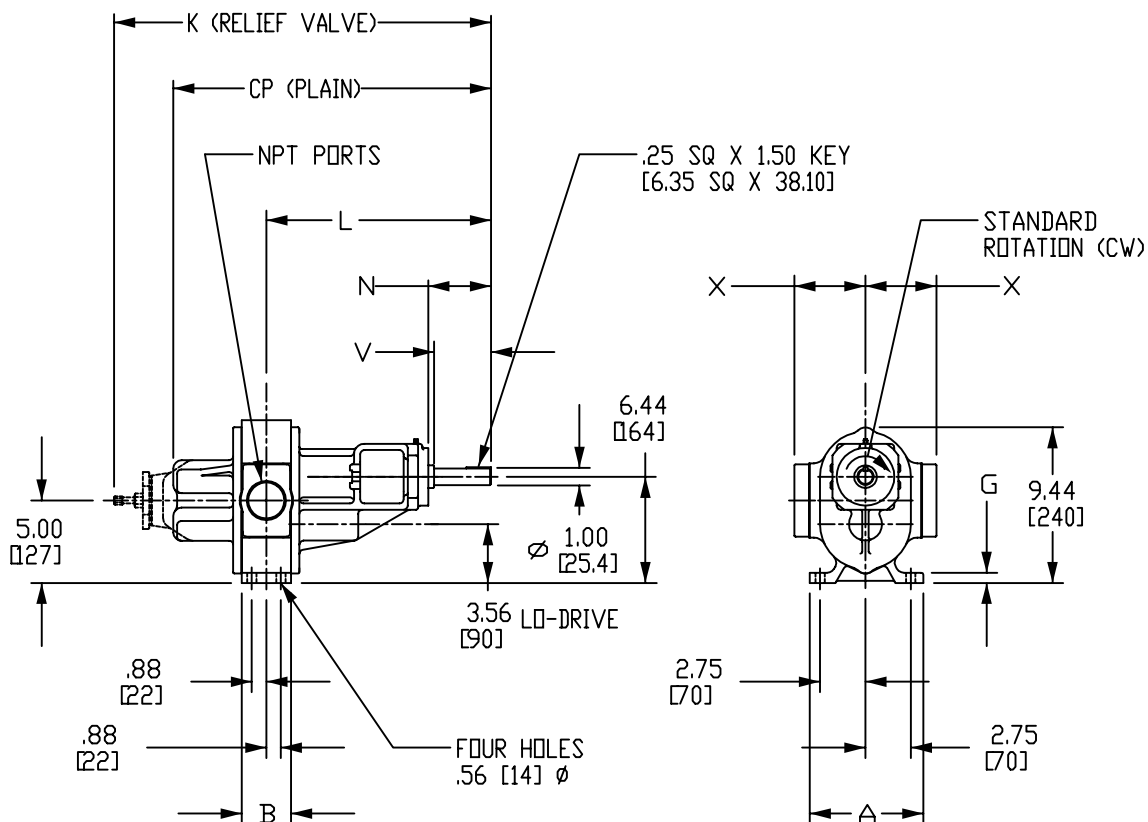


DO NOT SCALE
DIMS IN INCHES [MM]

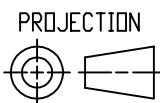
▲ PACKED BOX
★ MECH SEAL

PUMP	A	B	CP	G	K	L	PORTS	▲ V ★	X		
4611 & 4711 HF	6.50 [165]	3.00 [76]	15.97 [406]	.62 [16]	19.57 [497]	10.34 [263]	2" FLANGED	2.58 [66]	4.18 [106]	4.17 [106]	
4611 & 4711 HFRV		4.50 [114]	16.72 [425]	.75 [19]	20.33 [516]		3" FLANGED	1.83 [47]	3.43 [87]	4.41 [112]	
4617 & 4717 HF						7.00 [178]					3.62 [92]
4617 & 4717 HFRV											

4611-4722 HBF,RV TYPE 3



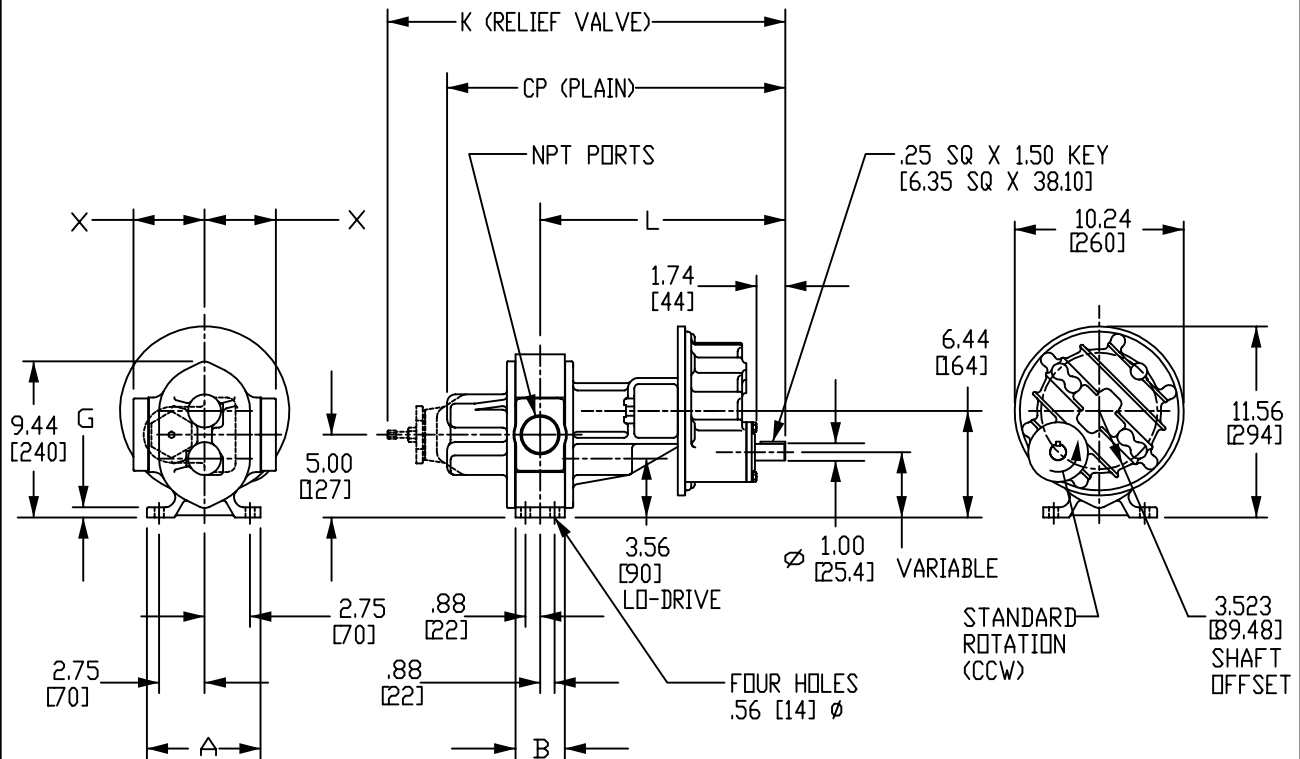
DO NOT SCALE
DIMS IN INCHES [MM]



N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

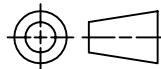
PUMP	A	B	CP	G	K	L	N	PORTS	V	X
4611 & 4711 HBF	6.50 [165]	3.00 [76]	19.32 [491]	.62 [16]	22.92 [582]	13.69 [348]	3.80 [97]	2' FLANGED	3.45 [88]	4.17 [106]
4611 & 4711 HBF RV										
4617 & 4717 HBF		4.50 [114]	20.07 [510]	.75 [19]	23.67 [610]	3.05 [77]	3' FLANGED	2.70 [69]	4.41 [112]	4.85 [123]
4617 & 4717 HBF RV										
4622 & 4722 HBF	7.00 [178]	3.62 [92]	21.57 [548]		25.17 [639]	14.44 [367]	4' FLANGED			
4622 & 4722 HBF RV										

4611-4722 GHBF,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

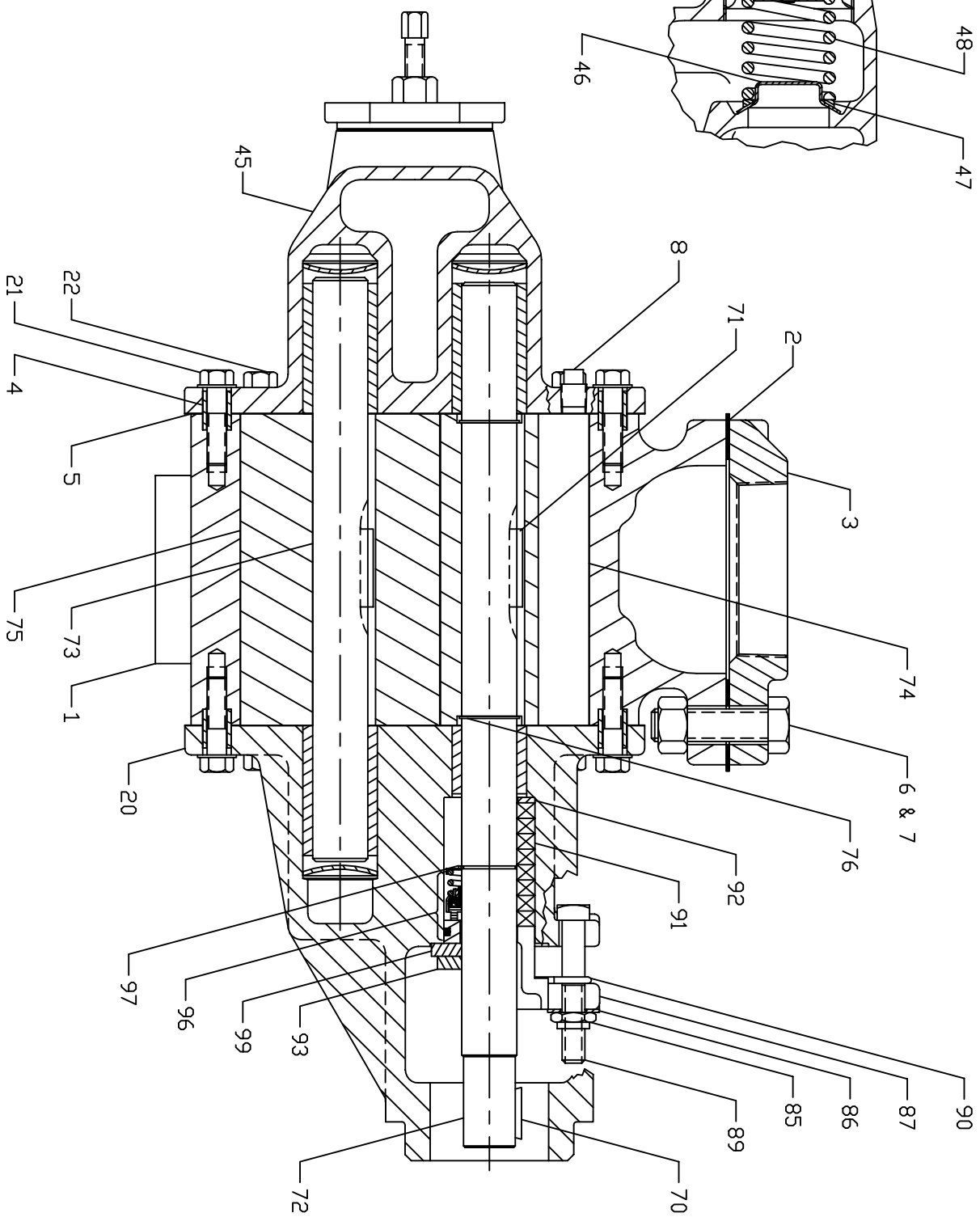
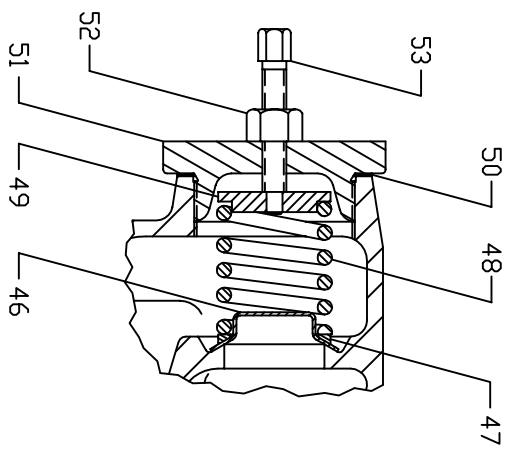
PROJECTION



DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

PUMP	A	B	CP	G	K	L	PORTS	X
4611 & 4711 GHBF	6.88	3.00	20.47	.62	24.07	14.83	2" FLANGED	4.30 [109]
4611 & 4711 GHBFVR	[175]	[76]	[596]	[16]	[611]	[377]		
4617 & 4717 GHBF	6.88	3.50	21.97	.75 [19]	25.57	15.58	3" FLANGED	4.30 [109]
4617 & 4717 GHBFVR	[175]	[89]	[558]		[649]	[396]		
4622 & 4722 GHBF	7.00	3.62	23.47		27.07	16.33	4" FLANGED	6.41 [163]
4622 & 4722 GHBFVR	[178]	[92]	[596]		[688]	[415]		



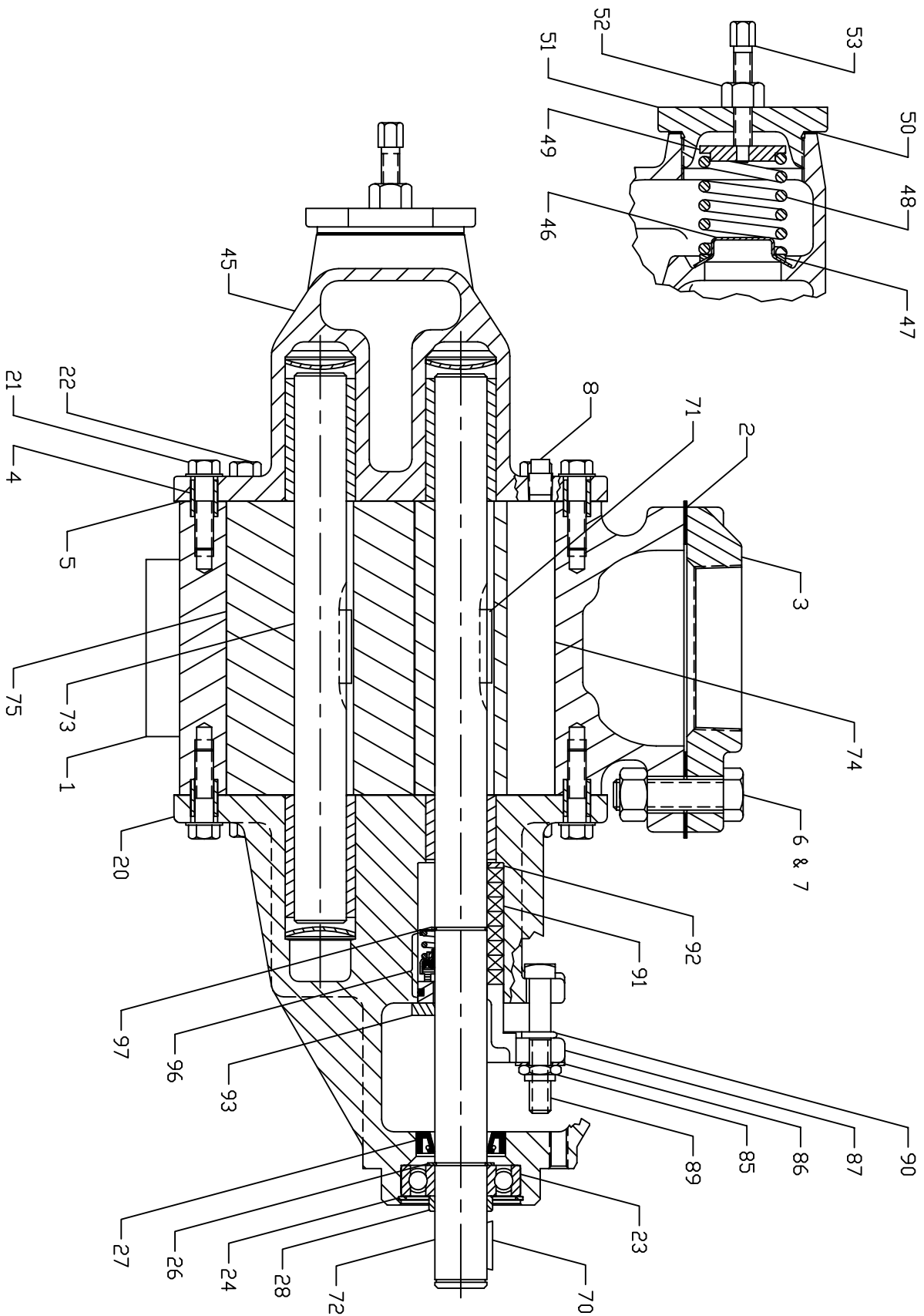
3611-4722 BH,F,RV

3611-4722 BH,F,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx BH)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx BHF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx BHF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1312	1	N2-1312	1	N2-1312
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-32	1	D30-32	1	D30-32
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2424	1	D1-2425	1	D1-2426
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-418	1	P6-414	1	P6-430
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
76	Ret Ring	2	G41-108	2	G41-108	2	G41-108
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76
99	Seal Locator Ring	1	D8-443	1	D8-443	1	D8-443

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



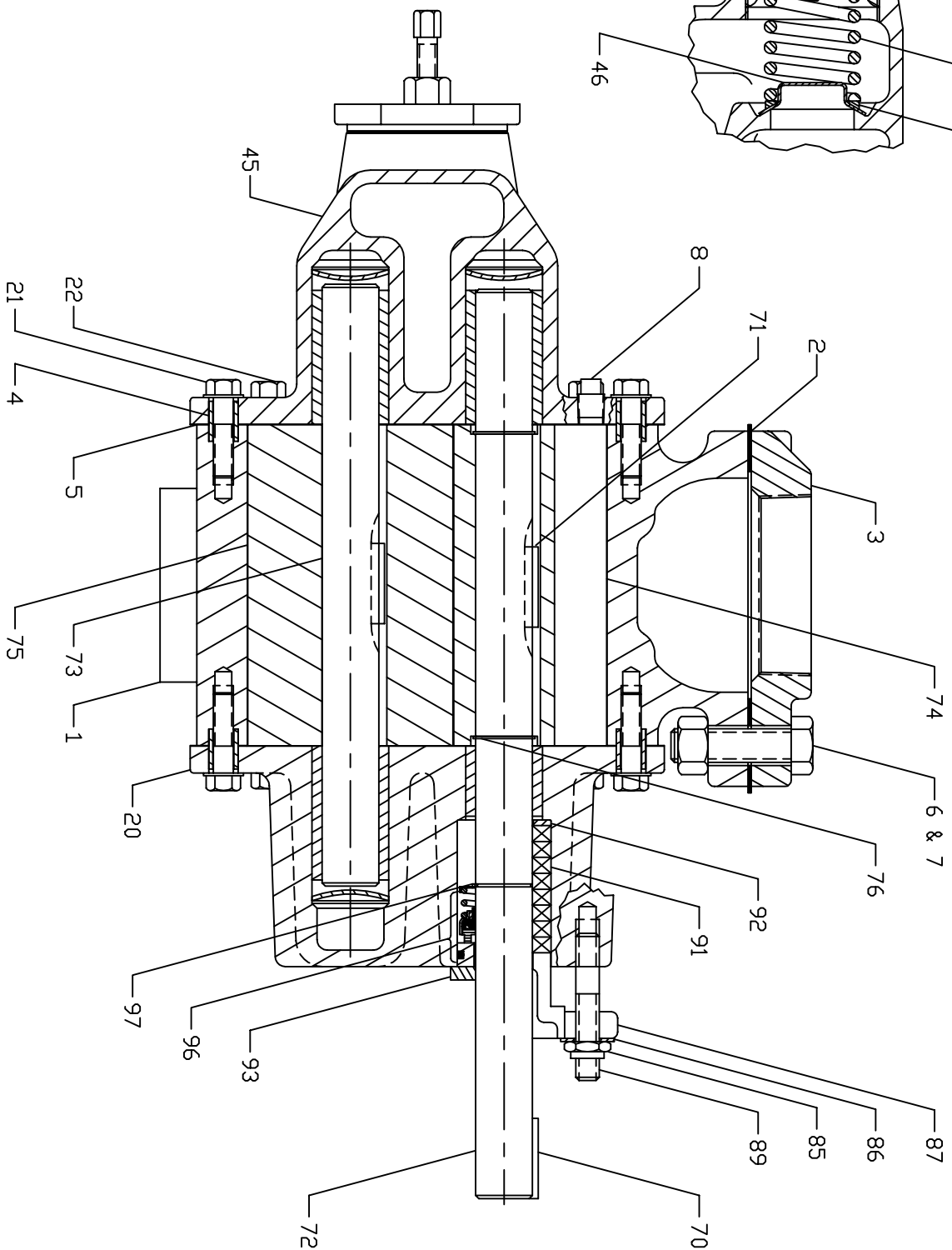
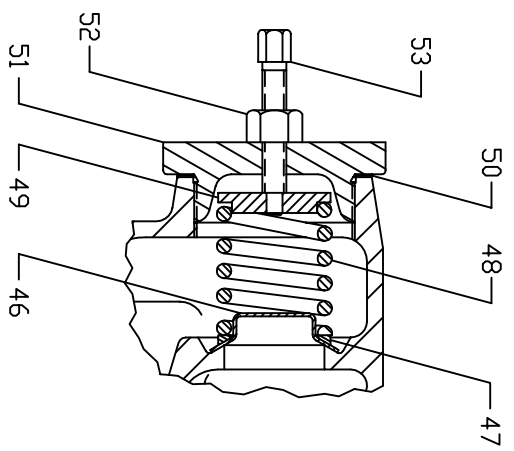
3611-4722 GHB,F,D,RV

3611-4722 GHB,F,O,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx GHB)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx GHBF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx GHBF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-406	1	N2-406	1	N2-406
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
23	Ball Brg	1	G40-147	1	G40-147	1	G40-147
24	Ret Ring	1	G41-20	1	G41-20	1	G41-20
26	Ret Ring	1	G41-76	1	G41-76	1	G41-76
27	Lip Seal	1	D83-5	1	D83-5	1	D83-5
28	Spacer	1	D45-100	1	D45-100	1	D45-100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-32	1	D30-32	1	D30-32
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2074	1	D1-2075	1	D1-2001
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-276	1	P6-274	1	P6-278
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



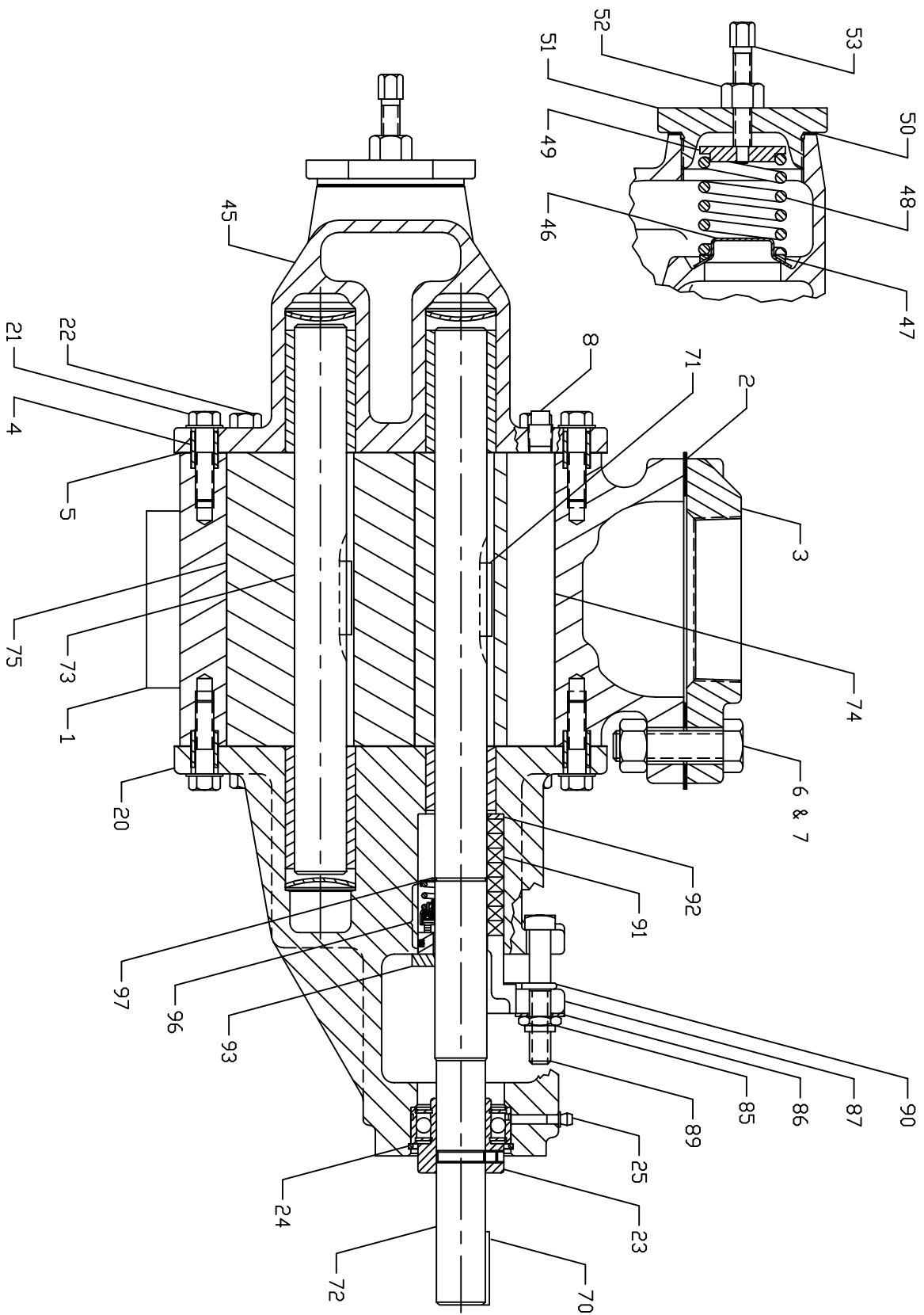
3611-4722 H,F,RV

3611-4722 H,F,RV SPEC G

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx H)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx HF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx HF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1012	1	N2-1012	1	N2-1012
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-9	1	D30-9	1	D30-9
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2093	1	D1-2097	1	D1-2099
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-418	1	P6-414	1	P6-430
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
76	Ret Ring	2	G41-108	2	G41-108	2	G41-108
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Stud, Pkg	2	D22-245	2	D22-245	2	D22-245
	Hex Hd Cap Screw, Mech Seal	2	G49-043100	2	G49-043100	2	G49-043100
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



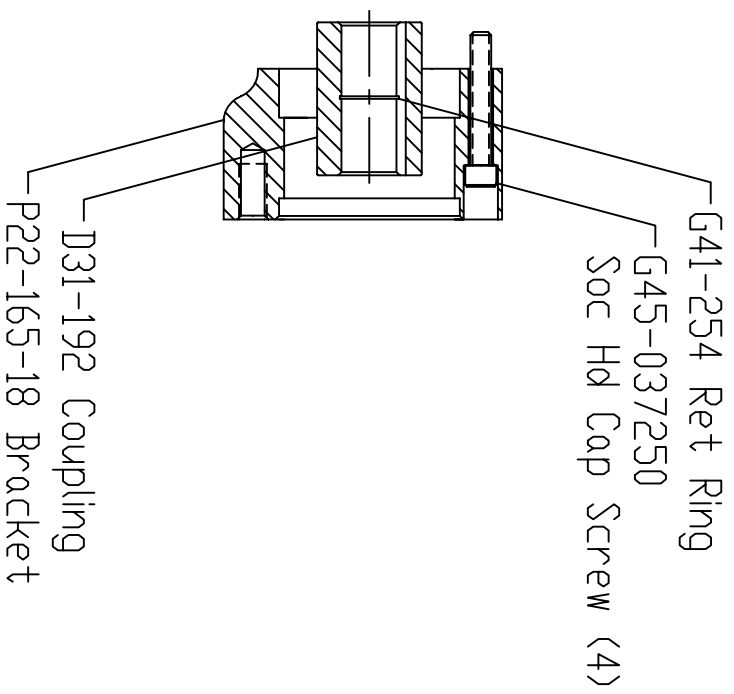
3611-4722 HB,F,RV

3611-4722 HB,F,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx HB)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx HBF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx HBF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-403	1	N2-403	1	N2-403
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
23	Ball Brg	1	G40-41	1	G40-41	1	G40-41
24	Ret Ring	1	G41-10	1	G41-10	1	G41-10
25	Lube Ftg	1	G63-1	1	G63-1	1	G63-1
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-9	1	D30-9	1	D30-9
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2072	1	D1-2073	1	D1-1998
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-276	1	P6-274	1	P6-278
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

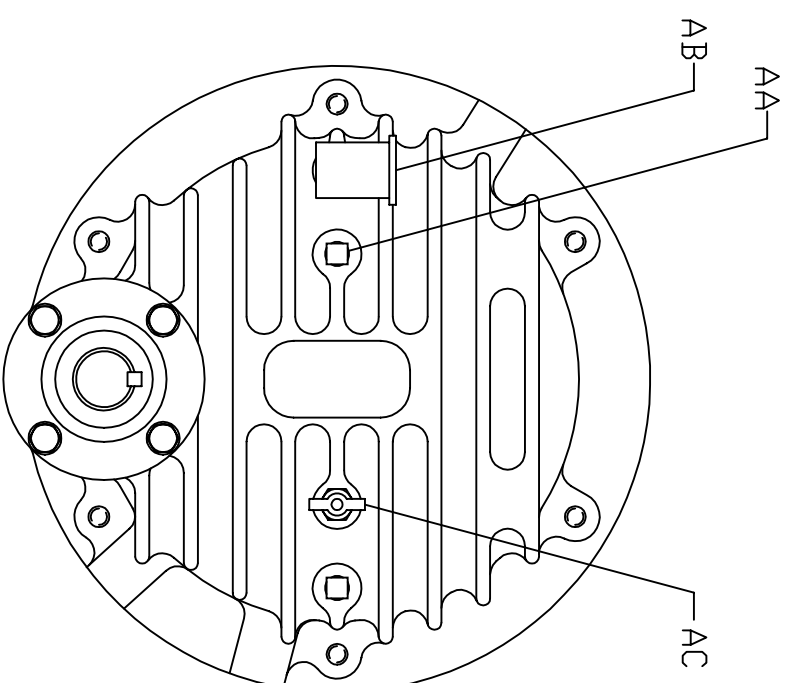
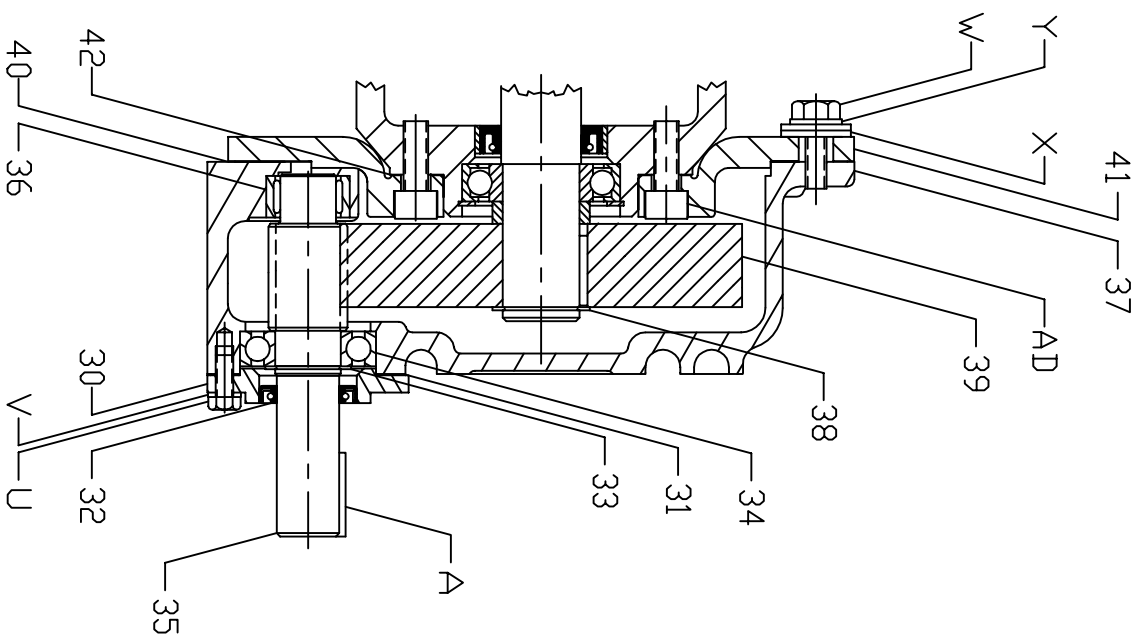
Faceplate Assy includes Brz Brgs: (2) G5-257



3611-4722 MBH,F,RV
COUPLING ASSEMBLY

N41-XXX-1

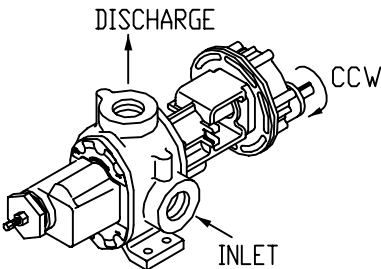
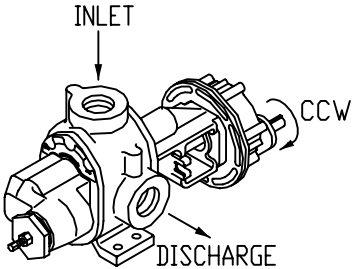
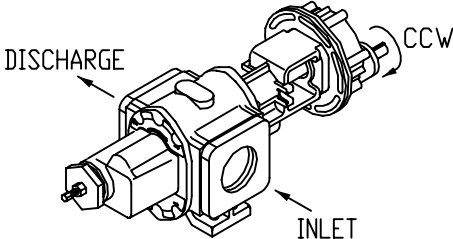
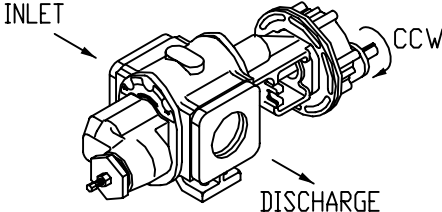
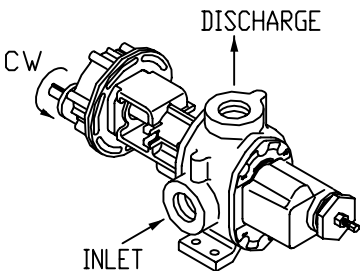
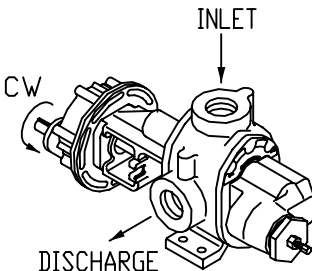
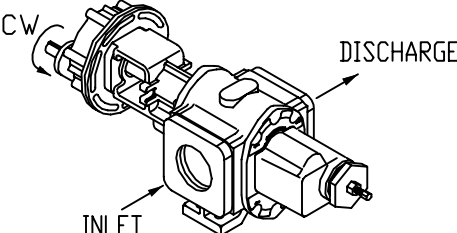
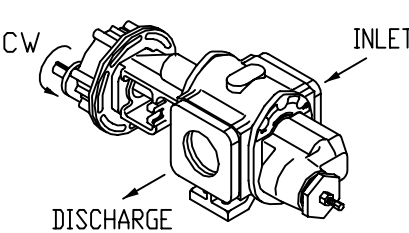
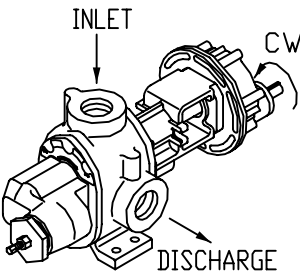
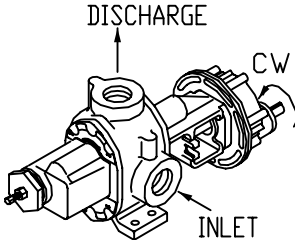
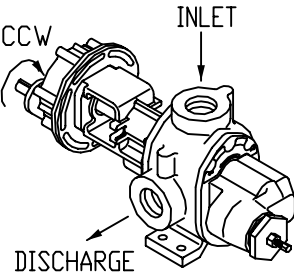
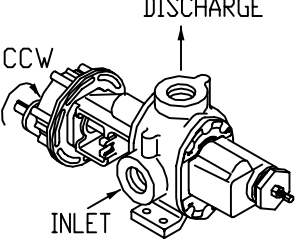
KEY NO.	DESCRIPTION	N41-320-1		N41-394-1		N41-460-1	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	D83-22	1	D83-22	1	D83-22
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-120	1	D37-117	1	D37-115
36	Needle Bearing	1	G40-30	1	G40-30	1	G40-30
37	Gear Case	1	P49-2	1	P49-2	1	P49-2
38	Retaining Ring	1	G41-76	1	G41-76	1	G41-76
39	Drive Gear	1	D37-64	1	D37-67	1	D37-69
40	Gear Case Gasket	1	D11-278	1	D11-278	1	D11-278
41	Gear Box Cover	1	P22-13	1	P22-13	1	P22-13
42	Cover Gasket	1	D11-276	1	D11-276	1	D11-276
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cup	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-037100	4	G45-037100	4	G45-037100
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-037125	6	G49-037125	6	G49-037125
X	Flat Washer	12	G8-52	12	G8-52	12	G8-52
Y	Lockwasher	6	G8-72	6	G8-72	6	G8-72



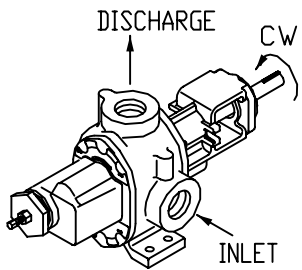
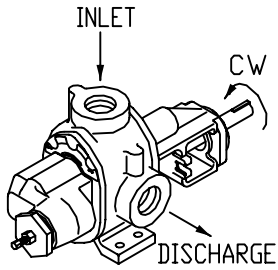
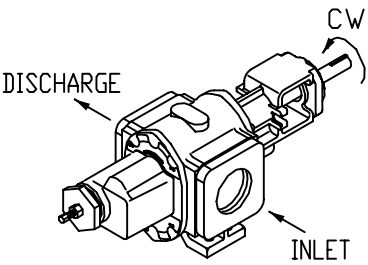
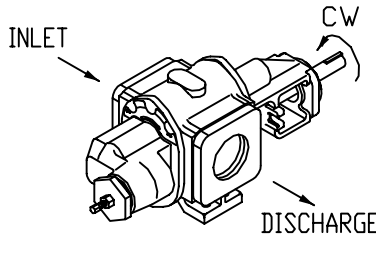
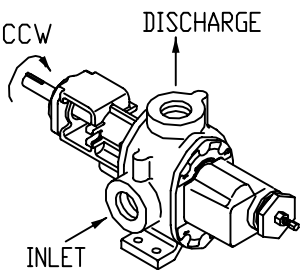
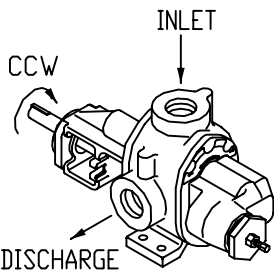
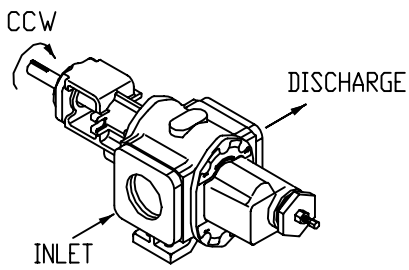
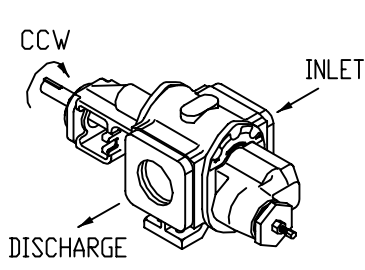
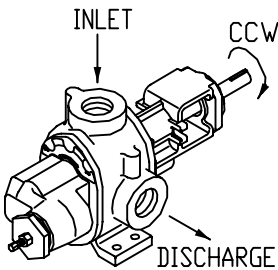
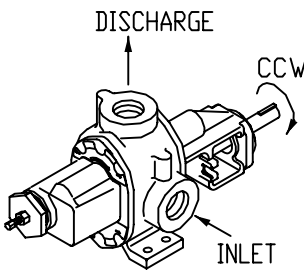
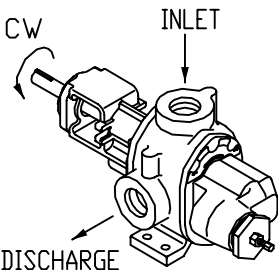
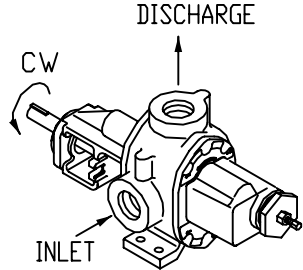
N41-3

N41-XXX-3

KEY NO.	DESCRIPTION	N41-426-3		N41-488-3		N41-566-3	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	G17-84	1	G17-84	1	G17-84
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-119	1	D37-118	1	D37-116
36	Needle Bearing	1	G40-51	1	G40-51	1	G40-51
37	Gear Case	1	P49-6	1	P49-6	1	P49-6
38	Retaining Ring	1	G41-80	1	G41-80	1	G41-80
39	Drive Gear	1	D37-91	1	D37-93	1	D37-95
40	Gear Case Gasket	1	D11-305	1	D11-305	1	D11-305
41	Gear Box Cover	1	P22-25	1	P22-25	1	P22-25
42	Cover Gasket	1	D11-304	1	D11-304	1	D11-304
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cap	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-050125	4	G45-050125	4	G45-050125
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-050125	6	G49-050125	6	G49-050125
X	Flat Washer	12	G8-54	12	G8-54	12	G8-54
Y	Lockwasher	6	G8-74	6	G8-74	6	G8-74

	W		LW	
3X11-3X22				
4X11-4X22				
	Z		LZ	
3X11-3X22				
4X11-4X22				
	X	LX	Y	LY
3X11-3X22				

DIRECTION OF ROTATION FOR 3611 TO 4722 GHB PUMP USING RELIEF VALVE

	W		LW	
3X11-3X22				
4X11-4X22				
	Z		LZ	
3X11-3X22				
4X11-4X22				
	X	LX	Y	LY
3X11-3X22				

DIRECTION OF ROTATION FOR 3611 TO 4722 H AND HB PUMP USING RELIEF VALVE



There must be
3600 easy ways
to put these
ultra-reliable
workhorses
to use.

Trouble-Free Versatility



Applications

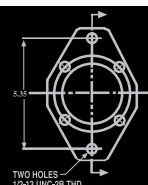
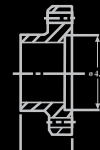
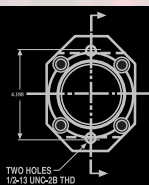
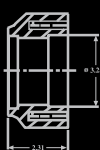
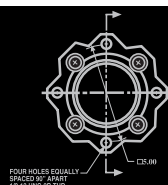
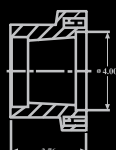
- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

Features

- Heavy duty cast iron helical gear pumps
- Bi-directional, self-priming
- Differential pressures to 125psi
- Up to 340gpm
- Standard operation up to 212F
- Can be built to operate up to 500F
- Maintenance-free durability

Options

- Through ports or angled ports; 2-sided or top and side configuration
- Threaded ports or flanged, tapped port connections
- Integral relief valve and integral gear reducer
- Outboard bearing, depending on drive and seal arrangements

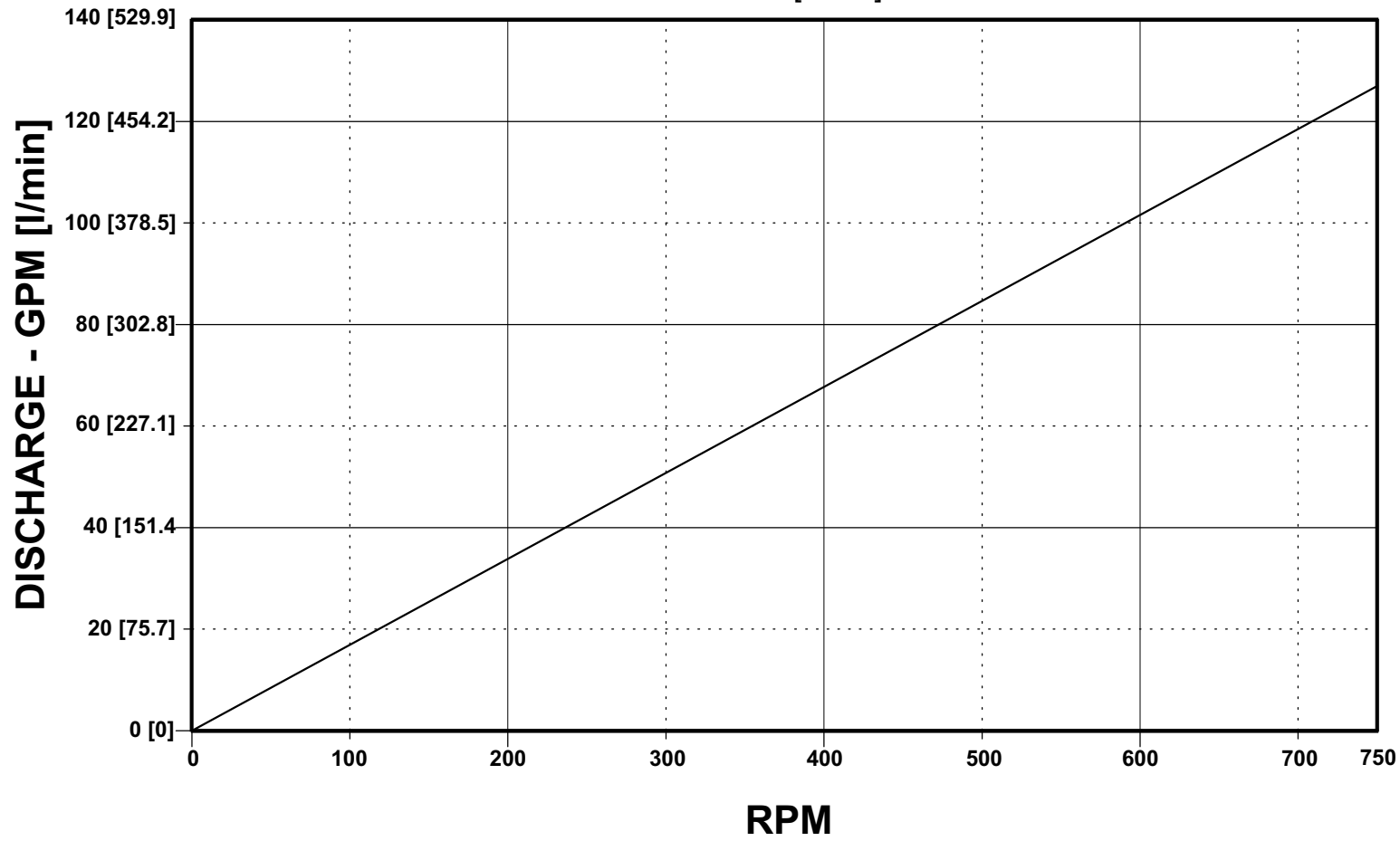


SERIES: 3617, 3717, 4617, 4717

GRAPH 1

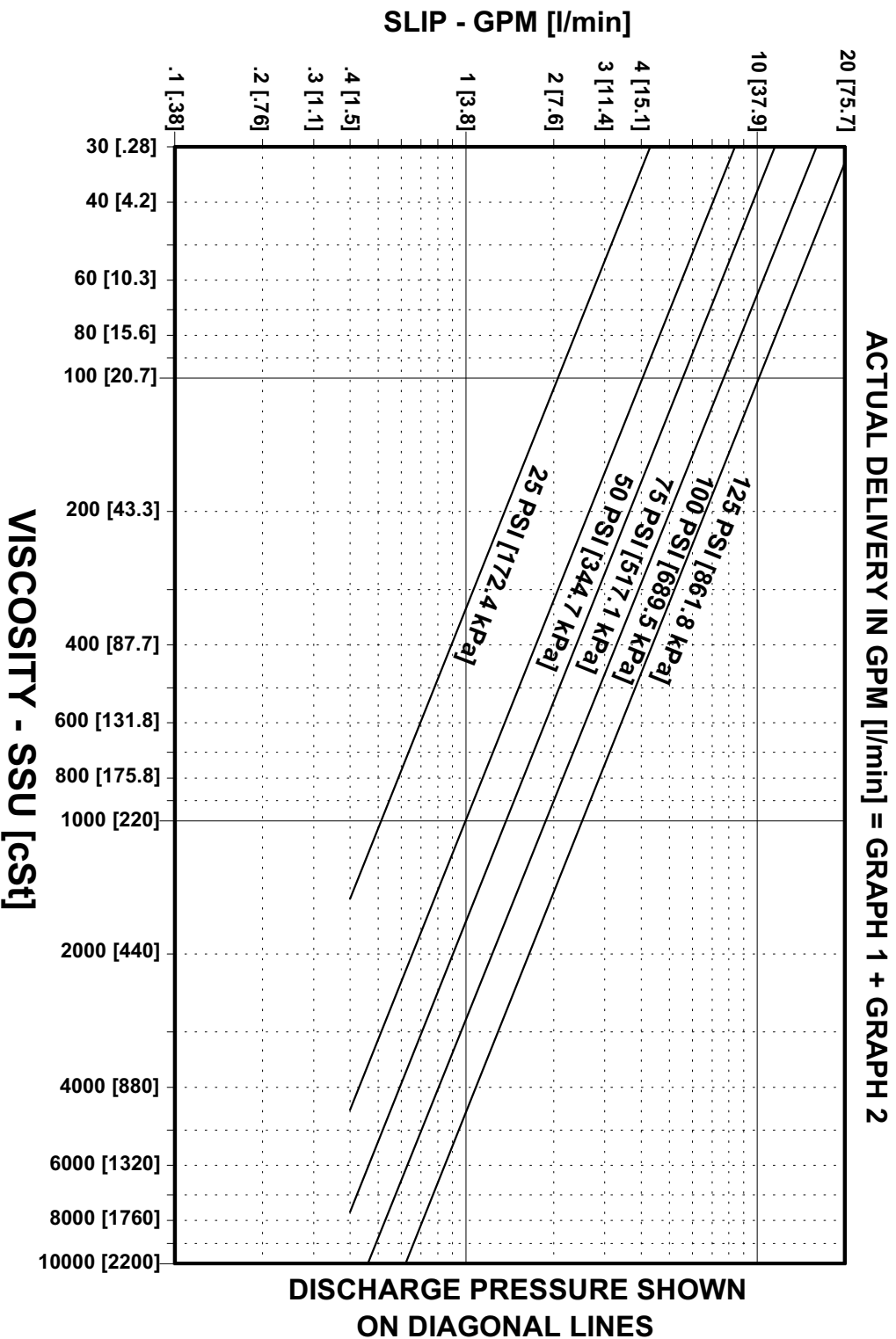
THEORETICAL GPM

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 + GRAPH 2



SERIES: 3617, 3717, 4617, 4717 GRAPH 2

SLIP

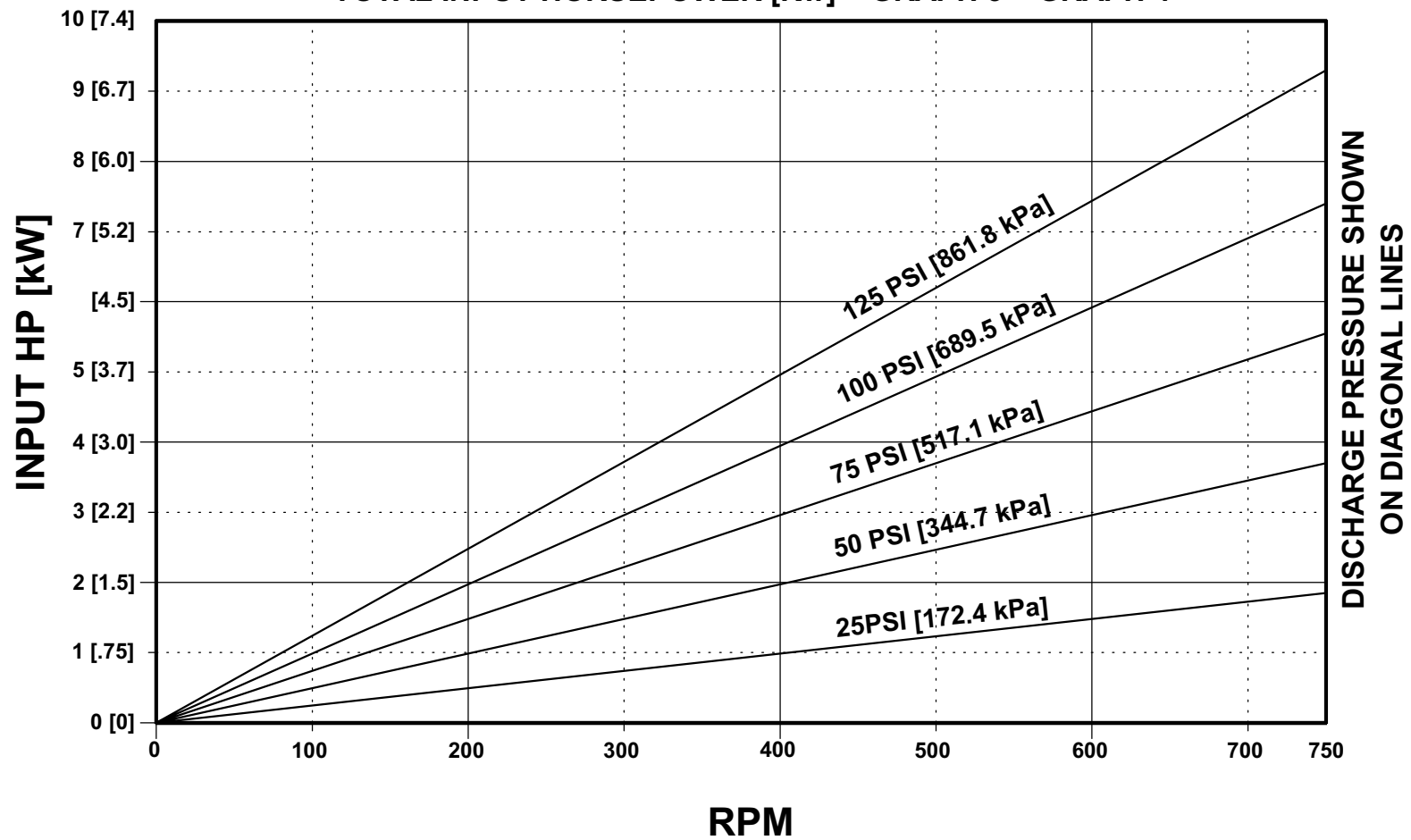


SERIES: 3617, 4617, 3717, 4717

GRAPH 3

INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [Kw] = GRAPH 3 + GRAPH 4



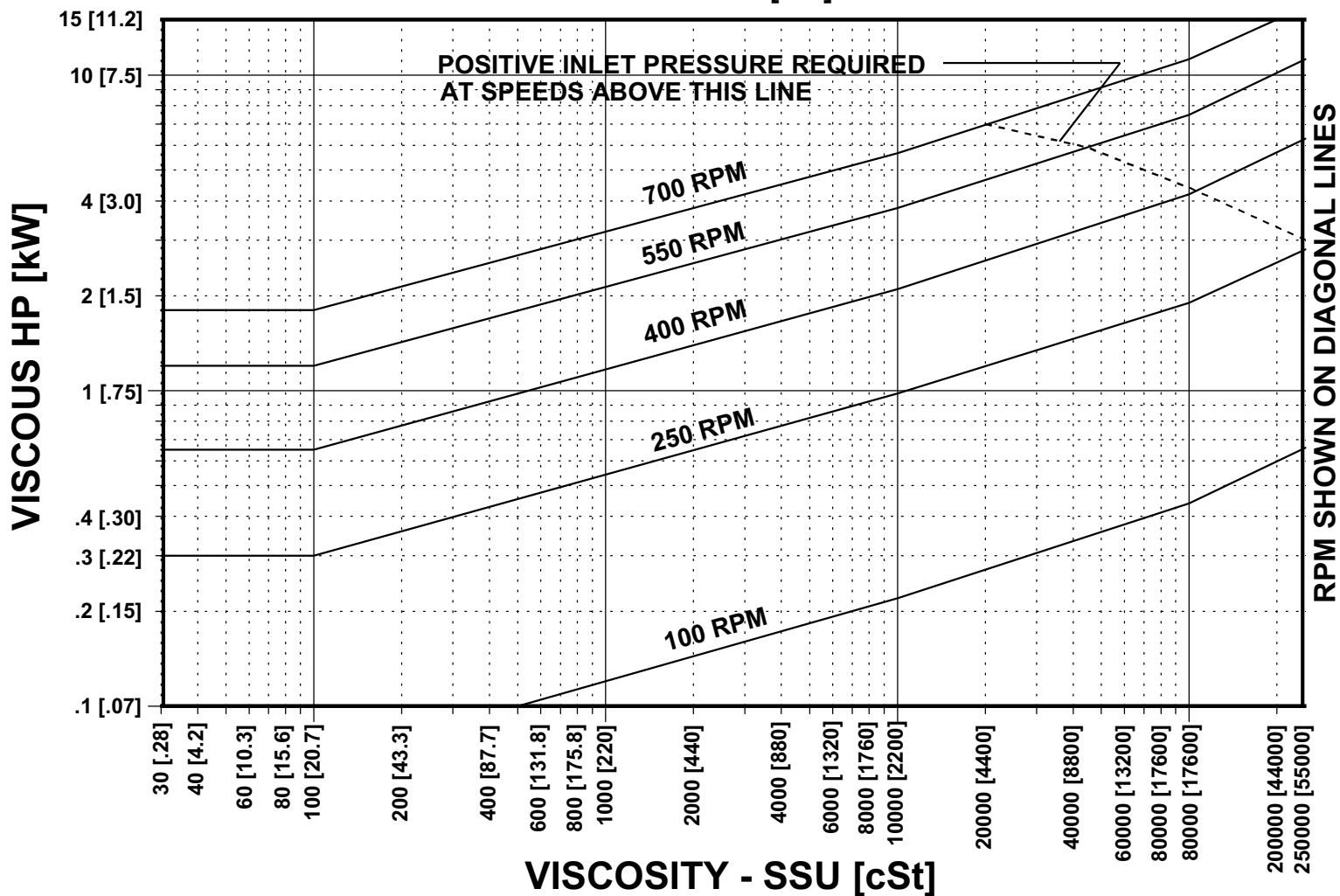
SERIES: 3617, 3717, 4617, 4717

GRAPH 4

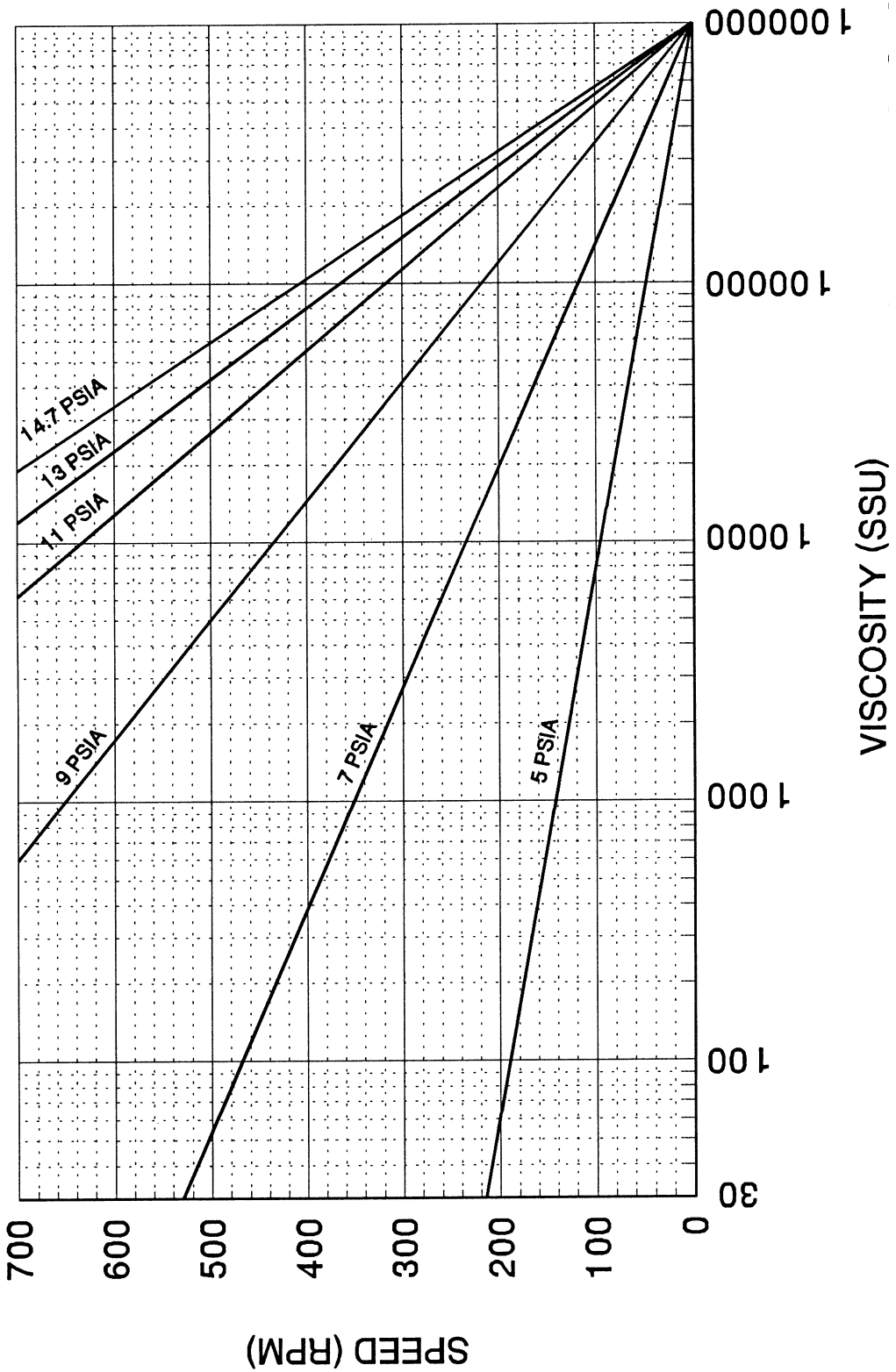
Carbon bearings recommended
for low viscosity, non-lubricating
liquids.

VISCOUS HORSEPOWER

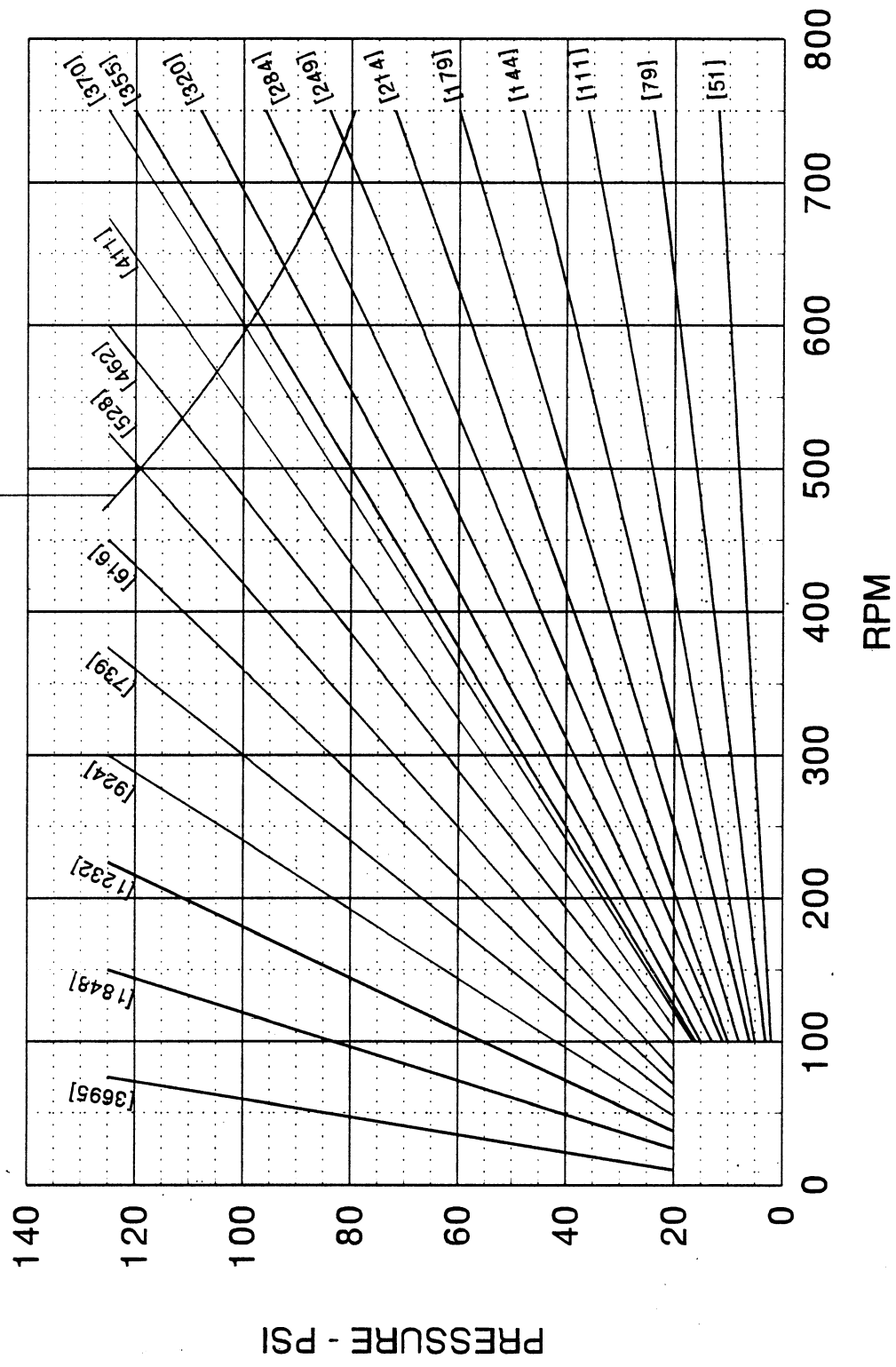
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



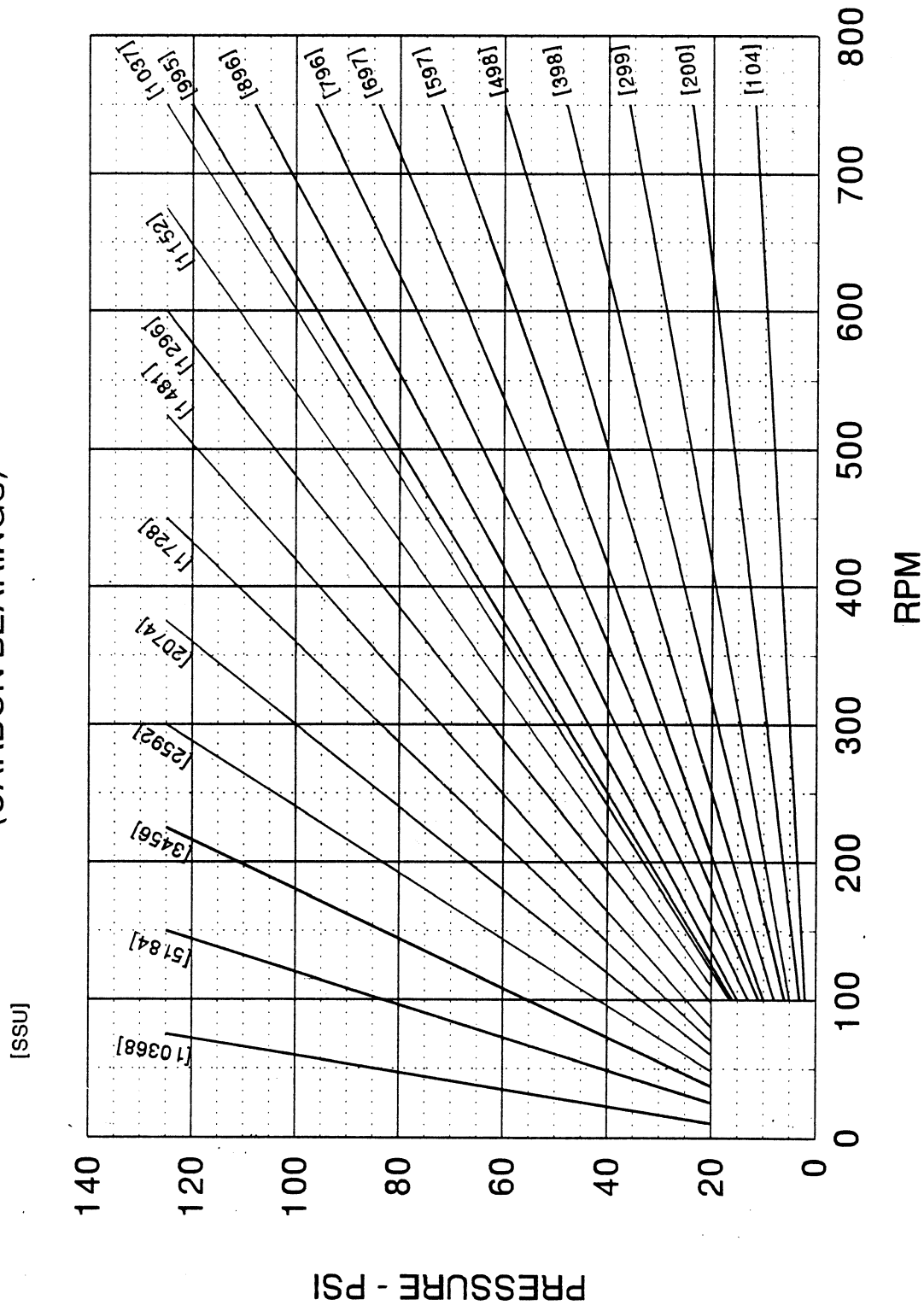
3611,3711,3617,3717,3622,3722,4611,4711,4617,4717,4622,4722
REQUIRED NET INLET PRESSURE



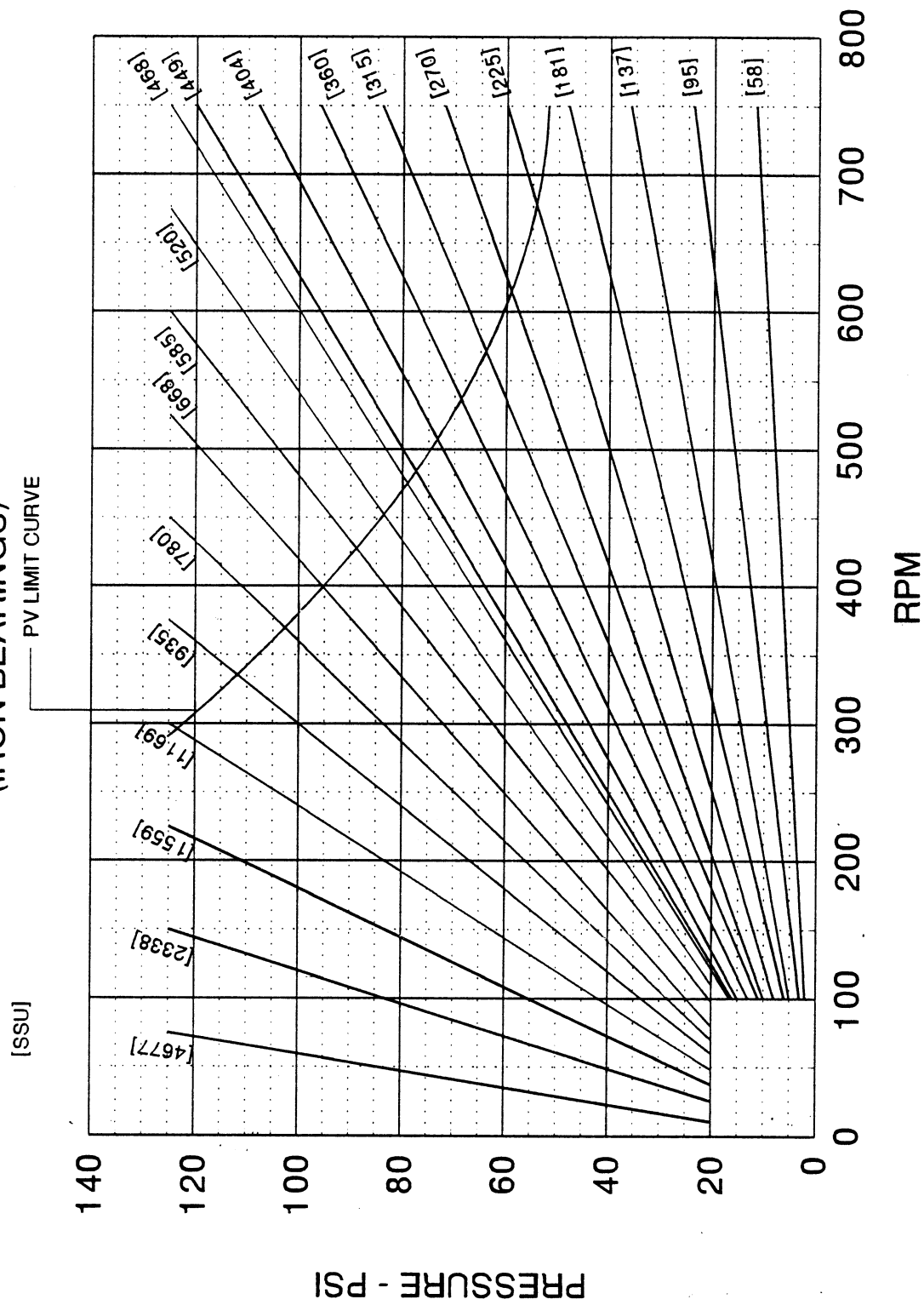
PV LIMIT CURVE



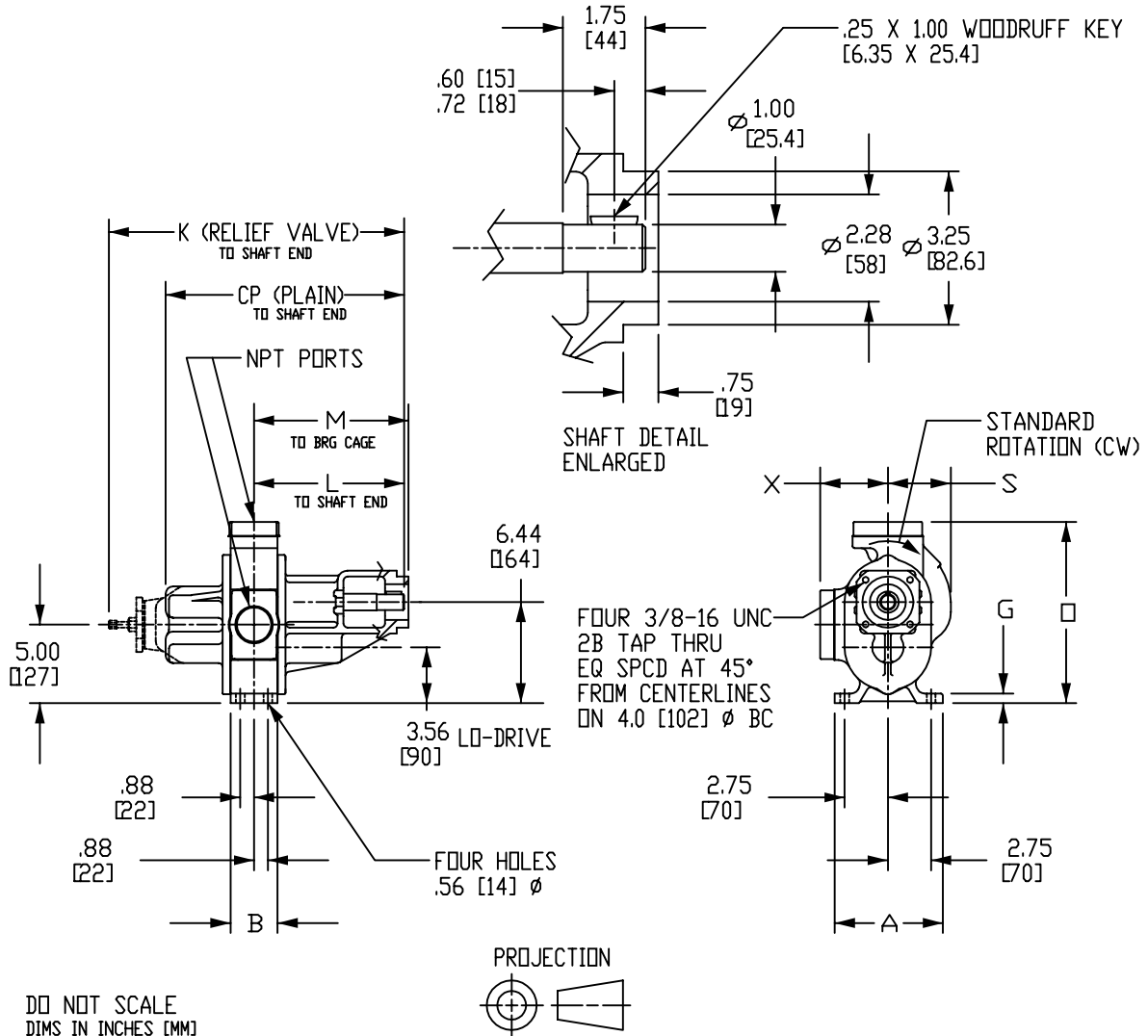
361 7,371 7,461 7,471 7
(CARBON BEARINGS)



361 7,371 7,461 7,471 7
(IRON BEARINGS)

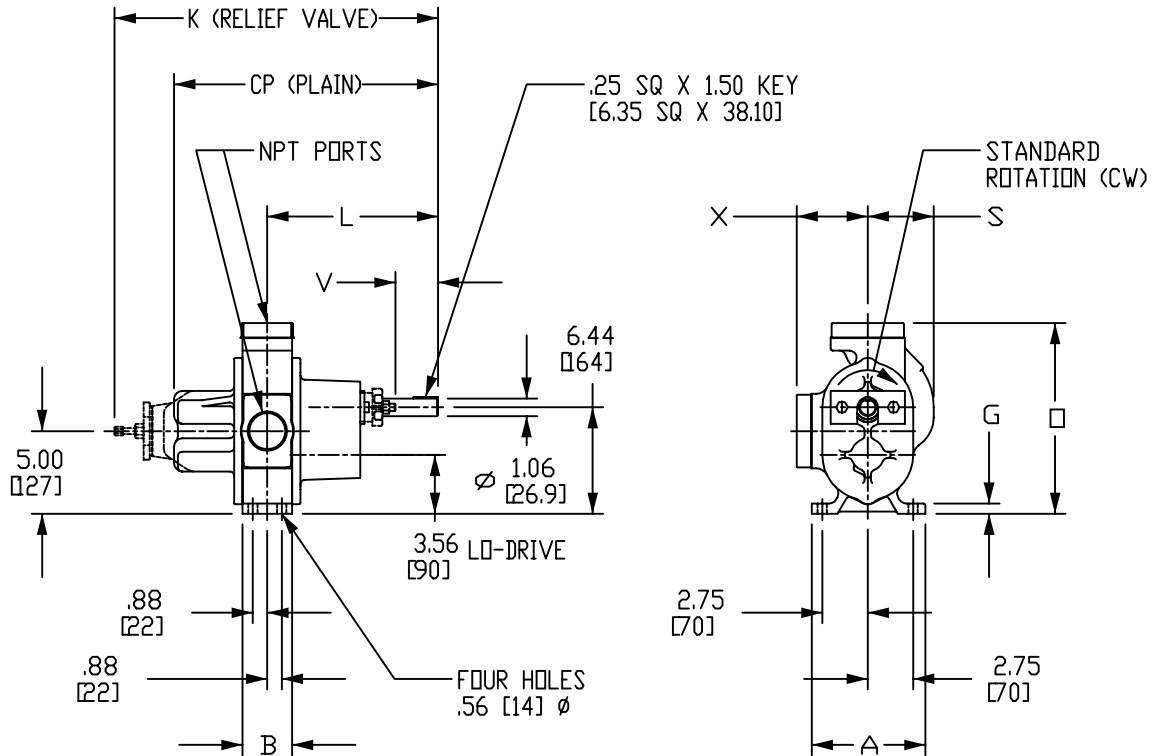


3611-3722 BH,F,RV TYPE 3

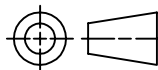


PUMP	A	B	CP	G	K	L	M	□	PORTS	S	X
3611 & 3711 BH	7.00	3.00	15.24	.75	18.84	9.61	9.89	10.75	2" TAPPED	4.00	3.62
3611 & 3711 BHRV	[178]			[19]				[273]			[92]
3611 & 3711 BHF	6.88			.62				11.54	2" FLANGED		4.30
3611 & 3711 BHFRV	[175]		[387]	[16]	[478]	[244]	[251]	[293]			[109]
3617 & 3717 BH	7.00	3.50	16.74	.75	20.34	10.36	10.64	10.75	2" TAPPED	4.00	3.62
3617 & 3717 BHRV	[178]							[273]			[92]
3617 & 3717 BHF	6.88							11.54	2" FLANGED		4.30
3617 & 3717 BHFRV	[175]		[425]	[19]	[517]	[263]	[270]	[293]			[109]
3622 & 3722 BHF	7.00	3.62	18.24		21.84	11.11	11.39	12.16	3" FLANGED	4.41	6.41
3622 & 3722 BHFRV	[178]	[92]	[463]		[555]	[282]	[289]	[309]		[112]	[163]

3611-3722 H,F,RV SPEC G TYPE 3



PROJECTION

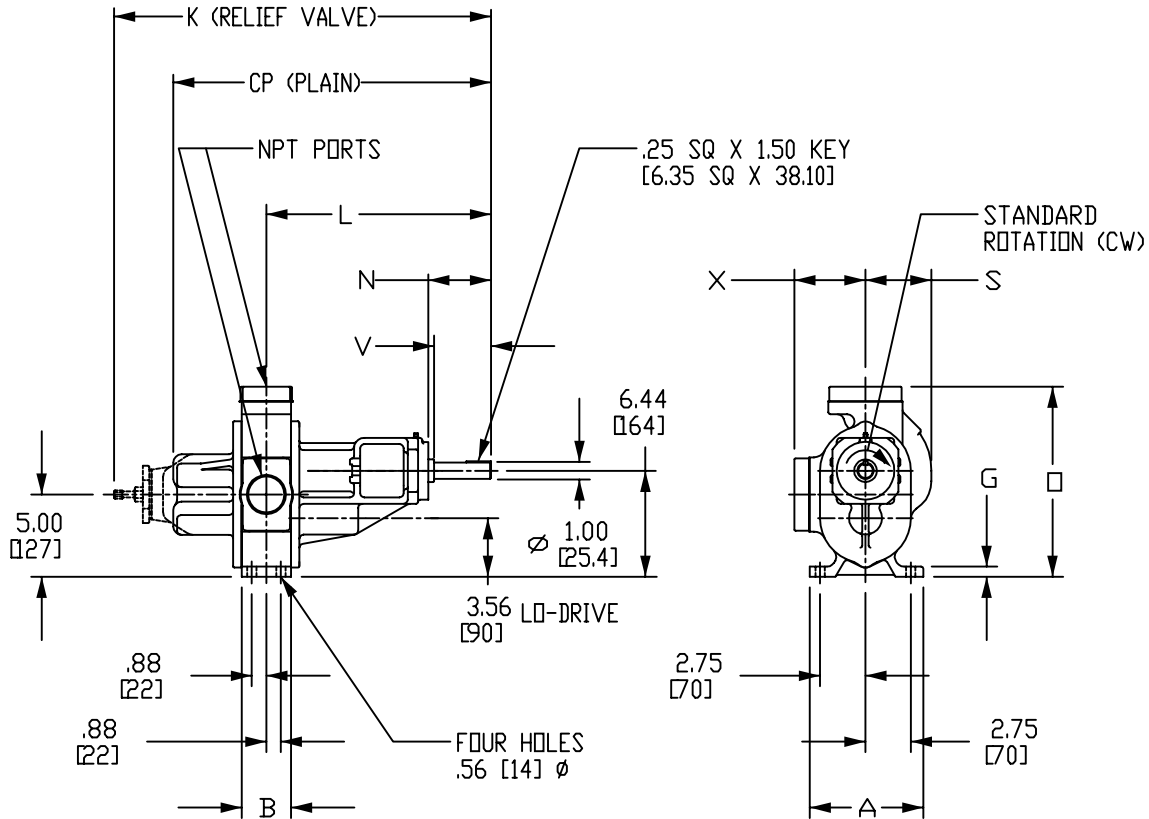


DO NOT SCALE
DIMS IN INCHES [MM]

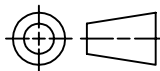
▲ PACKED BOX
★ MECH SEAL

PUMP	A	B	CP	G	K	L	□	PORTS	S	▲ V ★		X
3611 & 3711 H	7.00	3.00 [76]	15.97 [406]	.75 [19]	19.57 [497]	10.34 [263]	10.75 [273]	2" TAPPED	4.00 [102]	2.58 [66]	4.18 [106]	3.62 [92]
3611 & 3711 HRV	[178]											
3611 & 3711 HF	6.88											
3611 & 3711 HFRV	[175]											
3617 & 3717 H	7.00	3.50 [89]	16.72 [425]	.75 [19]	20.33 [516]	11.46 [291]	10.75 [273]	2" TAPPED	4.41 [112]	1.83 [47]	3.43 [87]	3.62 [92]
3617 & 3717 HRV	[178]											
3617 & 3717 HF	6.88											
3617 & 3717 HFRV	[175]											
3622 & 3722 HF	7.00	3.62 [92]	18.59 [472]		22.19 [564]	11.46 [291]	12.16 [309]	2" FLANGED				6.41 [163]
3622 & 3722 HFRV	[178]								4.41 [112]	2.20 [56]	3.80 [96]	

3611-3722 HB,F,RV TYPE 3



PROJECTION

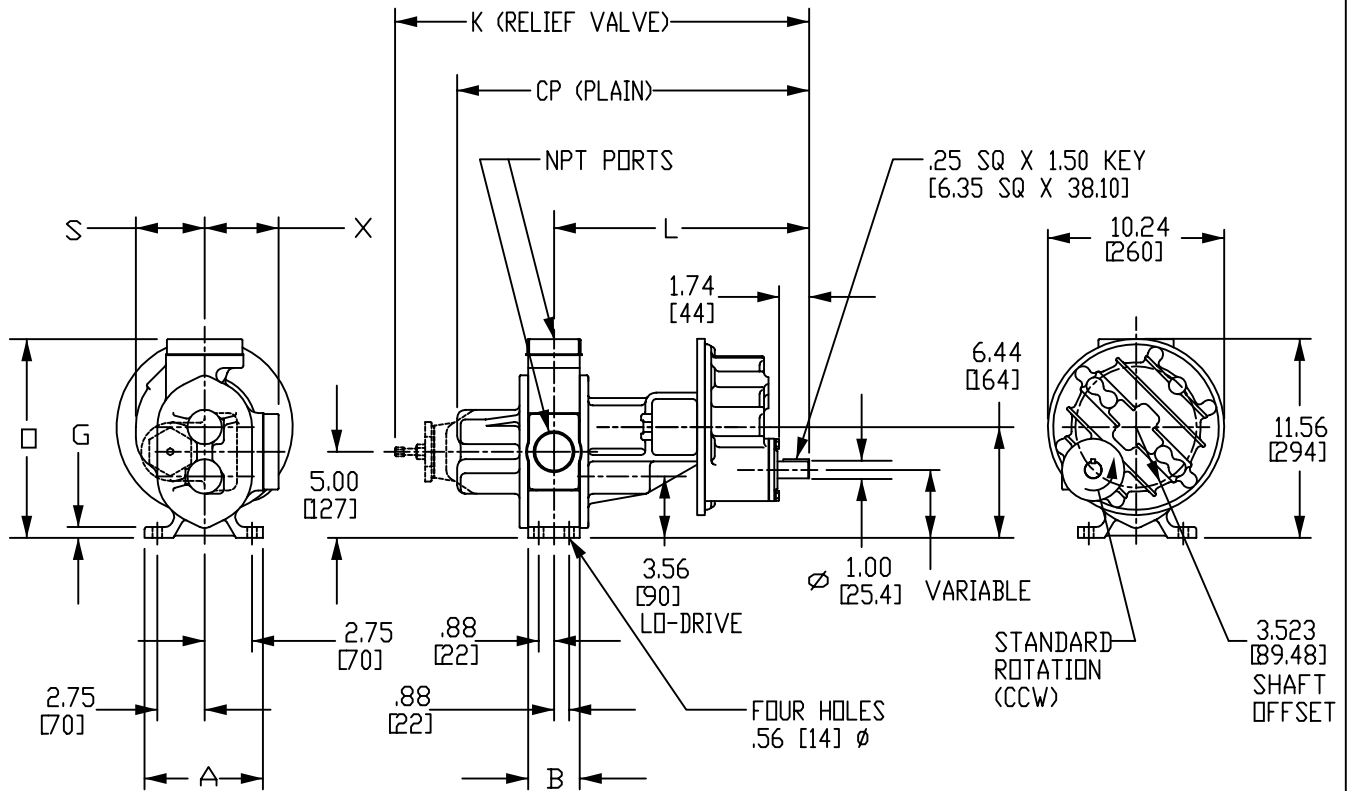


DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

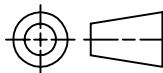
PUMP	A	B	CP	G	K	L	N	□	PORTS	S	V	X	
3611 & 3711 HB	7.00	3.00	19.32	.75	22.92	13.69	3.80	10.75	2" TAPPED	4.00	3.45	3.62	
3611 & 3711 HBRV	[178]			[19]				[582]	[273]				[92]
3611 & 3711 HBF	6.88			.62				11.54	2" FLANGED			4.30	
3611 & 3711 HBFRV	[175]	[16]		[293]		[109]							
3617 & 3717 HB	7.00	3.50	20.07	.75	23.67	14.44	3.05	10.75	2" TAPPED	4.41	2.70	3.62	
3617 & 3717 HBRV	[178]							[610]					
3617 & 3717 HBF	6.88							11.54				4.30	
3617 & 3717 HBFRV	[175]		[293]				[109]						
3622 & 3722 HBF	7.00	3.62	21.57		25.17			12.16	3" FLANGED	4.41		6.41	
3622 & 3722 HBFRV	[178]	[92]	[548]		[639]	[367]		[309]				[112]	[163]

3611-3722 GHB,F,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

PROJECTION

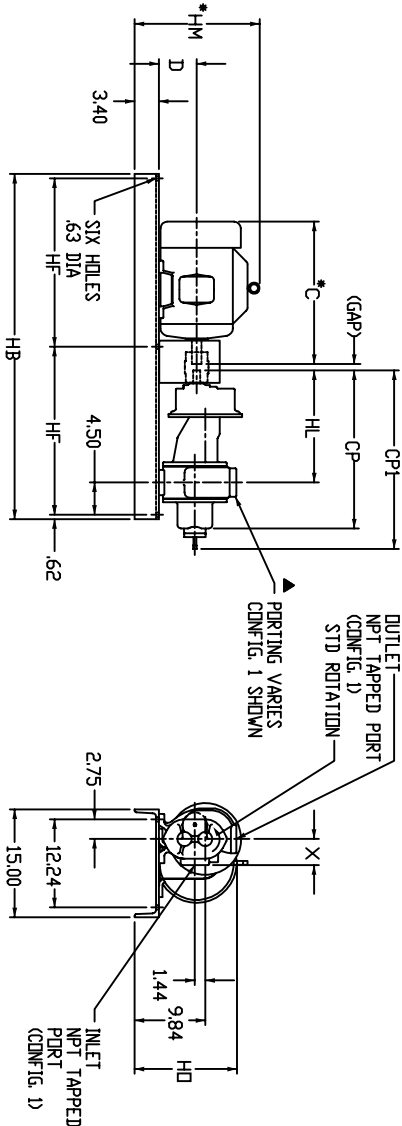


DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

PUMP	A	B	CP	G	K	L	□	PORTS	S	X
3611 & 3711 GHB	7.00	3.00	20.47	.75	24.07	14.83	10.75	2" TAPPED	4.00	3.62
3611 & 3711 GHBRV	[178]			[19]			[273]			[92]
3611 & 3711 GHBF	6.88	[76]	[596]	.62	[611]	[377]	11.54	2" FLANGED		4.30
3611 & 3711 GHBFRV	[175]			[16]			[293]			[109]
3617 & 3717 GHB	7.00	3.50	21.97	.75	25.57	15.58	10.75	2" TAPPED	[102]	3.62
3617 & 3717 GHBRV	[178]						[273]			[92]
3617 & 3717 GHBF	6.88						11.54	3" FLANGED		4.30
3617 & 3717 GHBFRV	[175]						[293]			[109]
3622 & 3722 GHBF	7.00	3.62	23.47		27.07	16.33	12.16		4.41	6.41
3622 & 3722 GHBFRV	[178]						[309]			[163]

3611-4722 MGHBF, RV TYPE 3



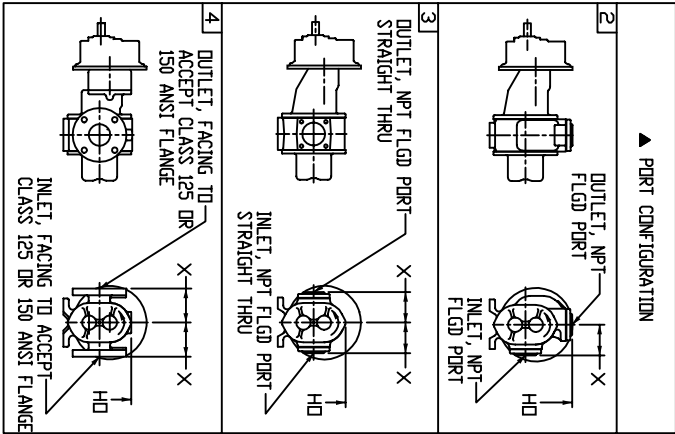
✓	PUMP	PORT CONFIG.	PORT SIZE	X	HD	CP	CP1	HL	PLAIN PUMP WEIGHT	W/RV
	3611-3711 GHB, RV	1	2" NPT	3.62	14.15				105	109
	3611-3711 GHB, RV	2	2" NPT FLG	4.30	14.94	20.47	24.07	14.83	105	109
	4611-4711 GHB, RV	3	2" NPT FLG	4.17	12.84				105	109
	4611-4711 GHB, RV	4	2" ANSI FLG	4.73	12.84				115	119
	3617-3717 GHB, RV	1	2" NPT	3.62	14.15				123	127
	3617-3717 GHB, RV	2	2" NPT FLG	4.30	14.94	21.97	25.57	15.58	123	127
	4617-4717 GHB, RV	3	3" NPT FLG	4.41	12.84				123	127
	4617-4717 GHB, RV	4	3" ANSI FLG	4.73	12.84				131	135
	3622-3722 GHB, RV	2	3" NPT FLG	6.41	15.56				151	155
	4622-4722 GHB, RV	3	4" NPT FLG	4.85	12.84	23.47	27.07	16.33	151	155
	4622-4722 GHB, RV	4	4" ANSI FLG	5.53	12.90				157	161

✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
LOVEJOY COUPLINGS STANDARD

✓	MOTOR FRAME WEIGHT	11	17	22	*C	D	*HM	HB	HF	(GAP)
	143T	54	118	118	12.56	3.50	10.88			.50
	145T	65			12.82			40	19.38	
	182T	97	119	119	16.56	4.50	14.65			.88
	184T	110			18.06					
	213T	162	144	144	18.56	5.25	16.40			.88
	215T	189			21.09			48	23.38	
	254T	283	N/A	145	23.19	6.25	17.59			1.0
	256T	290			23.19					

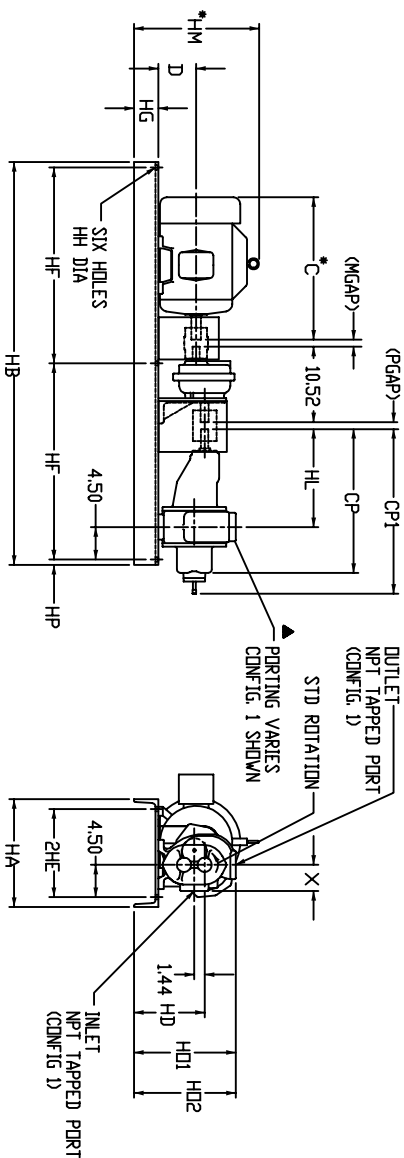
ROPER PUMPS
ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD MAYSVILLE RD
COMMERCE, GEORGIA 30529 U.S.A.
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

▲ PORT CONFIGURATION



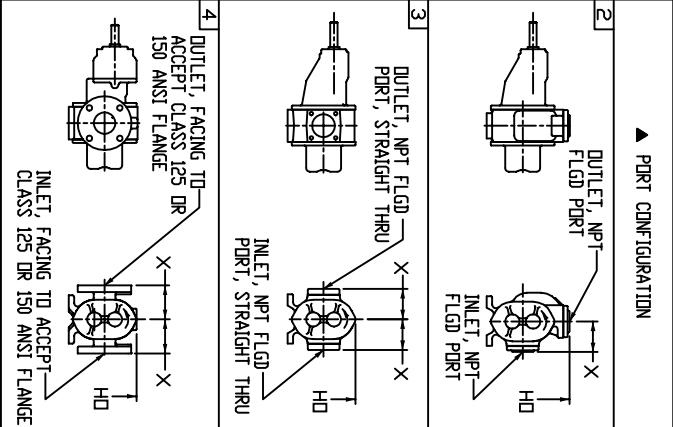
DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

3611-4722 HMB.F.RV TYPE 3
(WITH ROPER FIGURE 4125 GEAR REDUCER)



✓	PUMP	PORT CONFIG.	PORT SIZE	X	CP	CP1	HL	PLAIN	W/RV	HD1	HD2	APPROXIMATE PUMP WEIGHT	1431-1847 MOTOR	2131-2567 MOTOR
✓	3611-3711 HBRV	1	2" NPT	362				65	69	14.15	14.70			
	3611-3711 HBF.RV	2	2" NPT FLG	4.30				65	69	14.94	15.49			
	4611-4711 HBF.RV	3	2" NPT FLG	4.17	19.32	22.92	13.69	65	69	12.84	13.39			
	4611-4711 HBARV	4	2" ANSI FLG	4.73				75	79	12.84	13.39			
	3617-3717 HBRV	1	2" NPT	362				83	87	14.15	14.70			
	3617-3717 HBF.RV	2	2" NPT FLG	4.30				83	87	14.94	15.49			
	4617-4717 HBF.RV	3	3" NPT FLG	4.41	20.07	23.67	13.69	83	87	12.84	13.39			
	4617-4717 HBARV	4	3" ANSI FLG	4.73				91	95	12.84	13.39			
	3622-3722 HBF.RV	2	3" NPT FLG	6.41				111	115	15.56	16.11			
	4622-4722 HBF.RV	3	4" NPT FLG	4.85	21.57	25.17	14.44	111	115	12.84	13.39			
	4622-4722 HBARV	4	4" ANSI FLG	5.53				117	121	12.90	13.45			

BASE/COUPLING/HARDWARE WEIGHT													
✓	MOTOR FRAME WEIGHT	11	17	22	*C	D	*HM	HA	HB	HD	2HE	HF	HG
	143T	54	150	150	150	10.88							
	145T	65			12.82			15	48	9.84	12.24	23.38	3.4
	182T	97	154	154	16.56	4.50	14.65						
	184T	110			18.06								
	213T	162	219	219	18.56	5.25	16.94						
	215T	189			21.09								
	254T	283	223	223	23.19	6.25	18.13	18	56	10.39	15	27.25	3.95
	256T	290			23.19								



✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
FIGURE 4125 GEAR REDUCER WEIGHT - 55
LOVEJOY COUPLINGS STANDARD

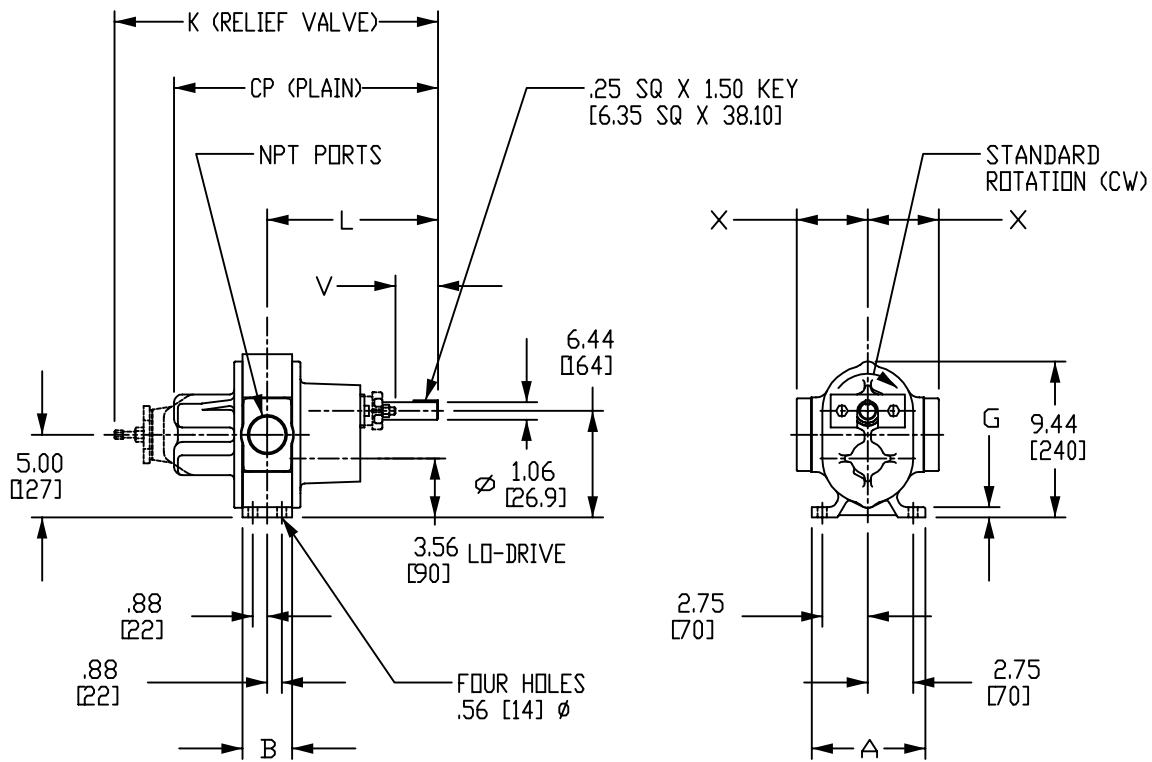
Roper Pumps

ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD WAYSVILLE RD
COMMERCE, GEORGIA 30529 USA.

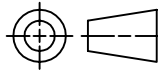
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

4611-4722 HF,RV SPEC G TYPE 3



PROJECTION

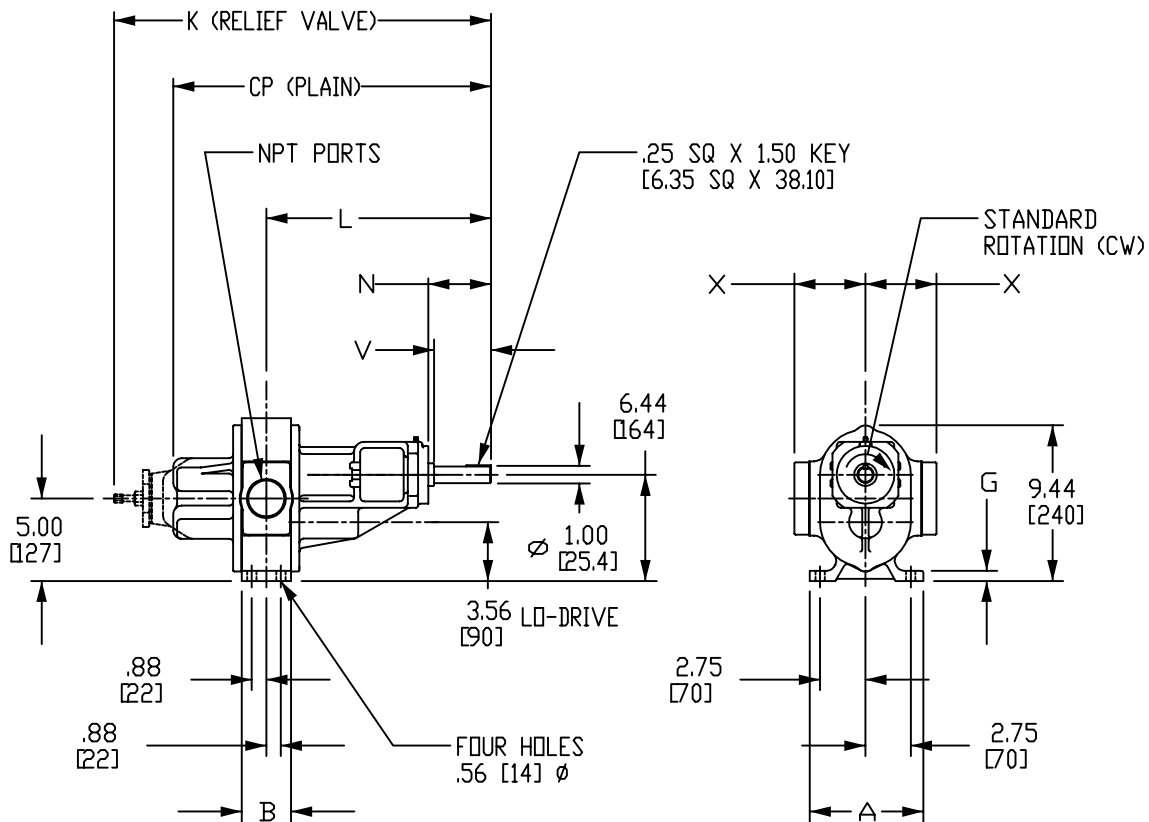


DO NOT SCALE
DIMS IN INCHES [MM]

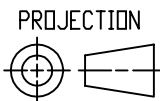
▲ PACKED BOX
★ MECH SEAL

PUMP	A	B	CP	G	K	L	PORTS	V		X
4611 & 4711 HF	6.50 [165]	3.00	15.97	.62	19.57	10.34 [263]	2" FLANGED	2.58	4.18	4.17
4611 & 4711 HFRV		[76]	[406]	[16]	[497]			[66]	[106]	[106]
4617 & 4717 HF		4.50	16.72	.75 [19]	20.33		3" FLANGED	1.83	3.43	4.41
4617 & 4717 HFRV		[114]	[425]		[516]			[47]	[87]	[112]
4622 & 4722 HF	7.00	3.62	18.59	[19]	22.19	11.46	4" FLANGED	2.20	3.80	4.85
4622 & 4722 HFRV	[178]	[92]	[472]		[564]	[291]			[56]	[96]

4611-4722 HBF,RV TYPE 3



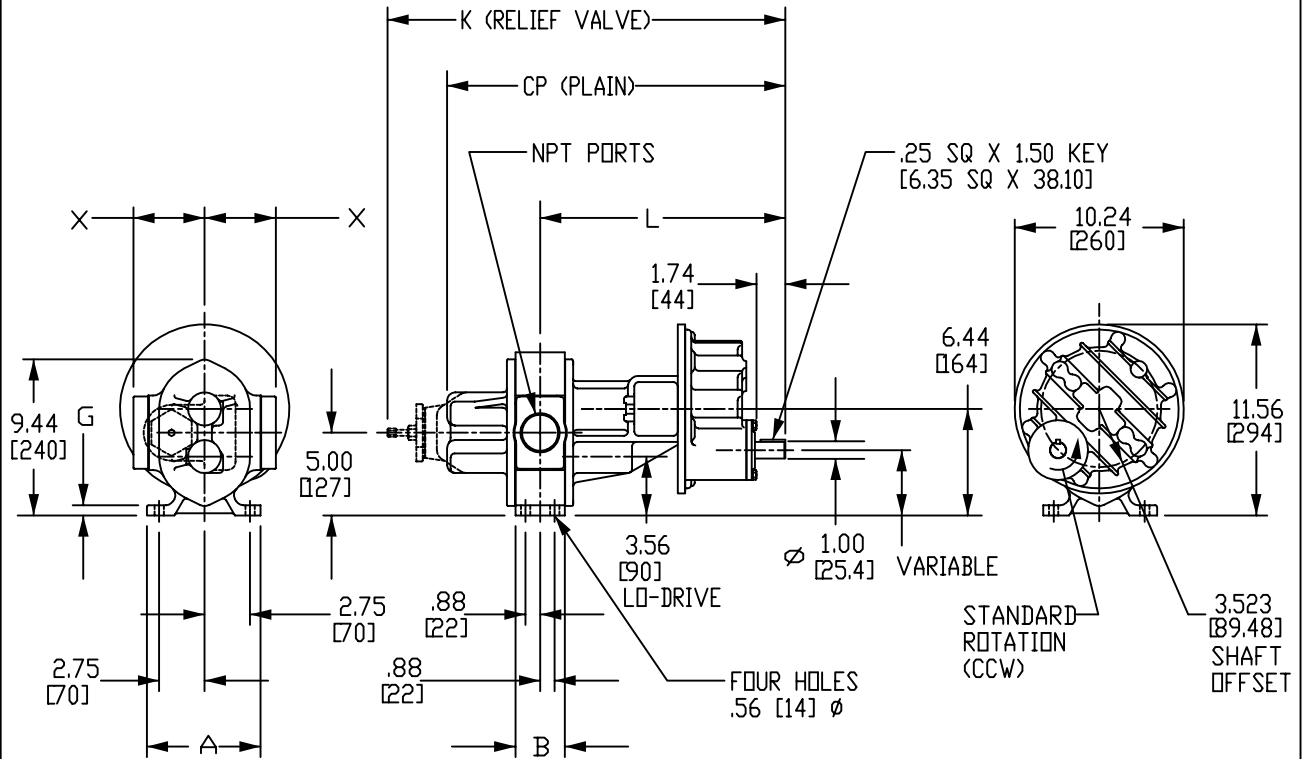
DO NOT SCALE
DIMS IN INCHES [MM]



N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

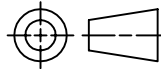
PUMP	A	B	CP	G	K	L	N	PORTS	V	X
4611 & 4711 HBF	6.50 [165]	3.00 [76]	19.32 [491]	.62 [16]	22.92 [582]	13.69 [348]	3.80 [97]	2" FLANGED	3.45 [88]	4.17 [106]
4611 & 4711 HBFRV		4.50 [114]	20.07 [510]		23.67 [610]			3" FLANGED		4.41 [112]
4617 & 4717 HBF				.75 [19]	25.17 [639]	14.44 [367]	3.05 [77]	4" FLANGED	2.70 [69]	4.85 [123]
4617 & 4717 HBFRV	7.00 [178]	3.62 [92]	21.57 [548]							

4611-4722 GHBF,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

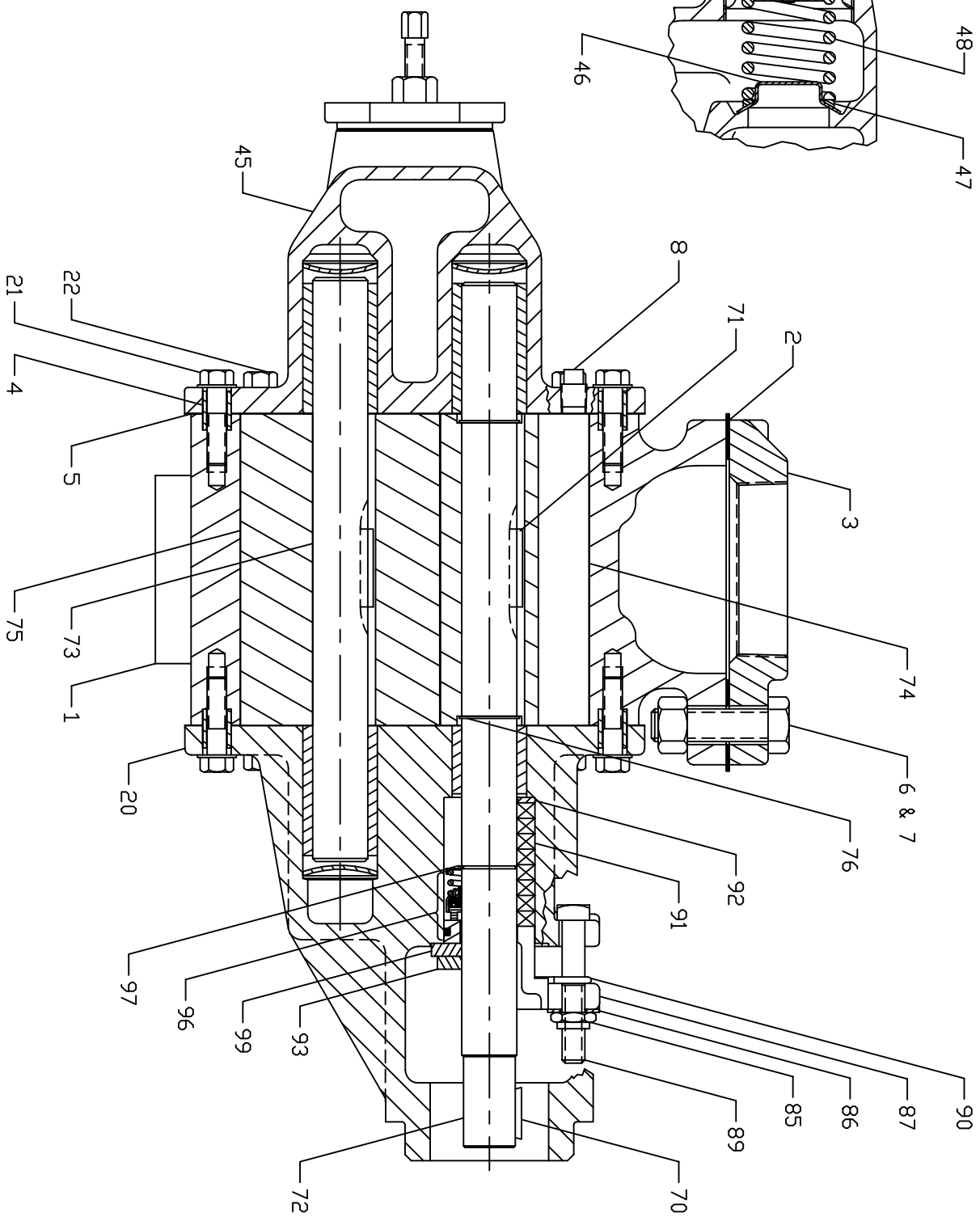
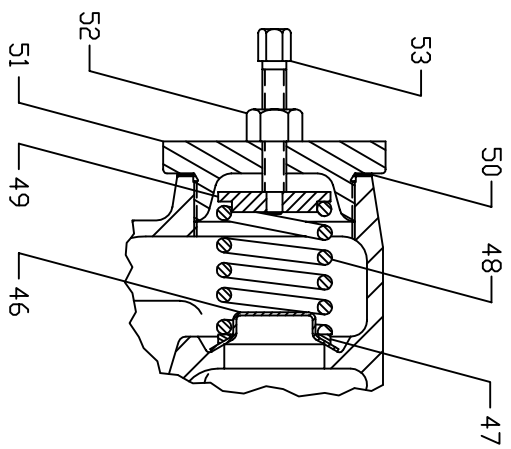
PROJECTION



DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

PUMP	A	B	CP	G	K	L	PORTS	X
4611 & 4711 GHBF	6.88 [175]	3.00 [76]	20.47 [596]	.62 [16]	24.07 [611]	14.83 [377]	2" FLANGED	4.30 [109]
4611 & 4711 GHBF RV								
4617 & 4717 GHBF	6.88 [175]	3.50 [89]	21.97 [558]	.75 [19]	25.57 [649]	15.58 [396]	3" FLANGED	4.30 [109]
4617 & 4717 GHBF RV								
4622 & 4722 GHBF	7.00 [178]	3.62 [92]	23.47 [596]		27.07 [688]	16.33 [415]	4" FLANGED	6.41 [163]
4622 & 4722 GHBF RV								



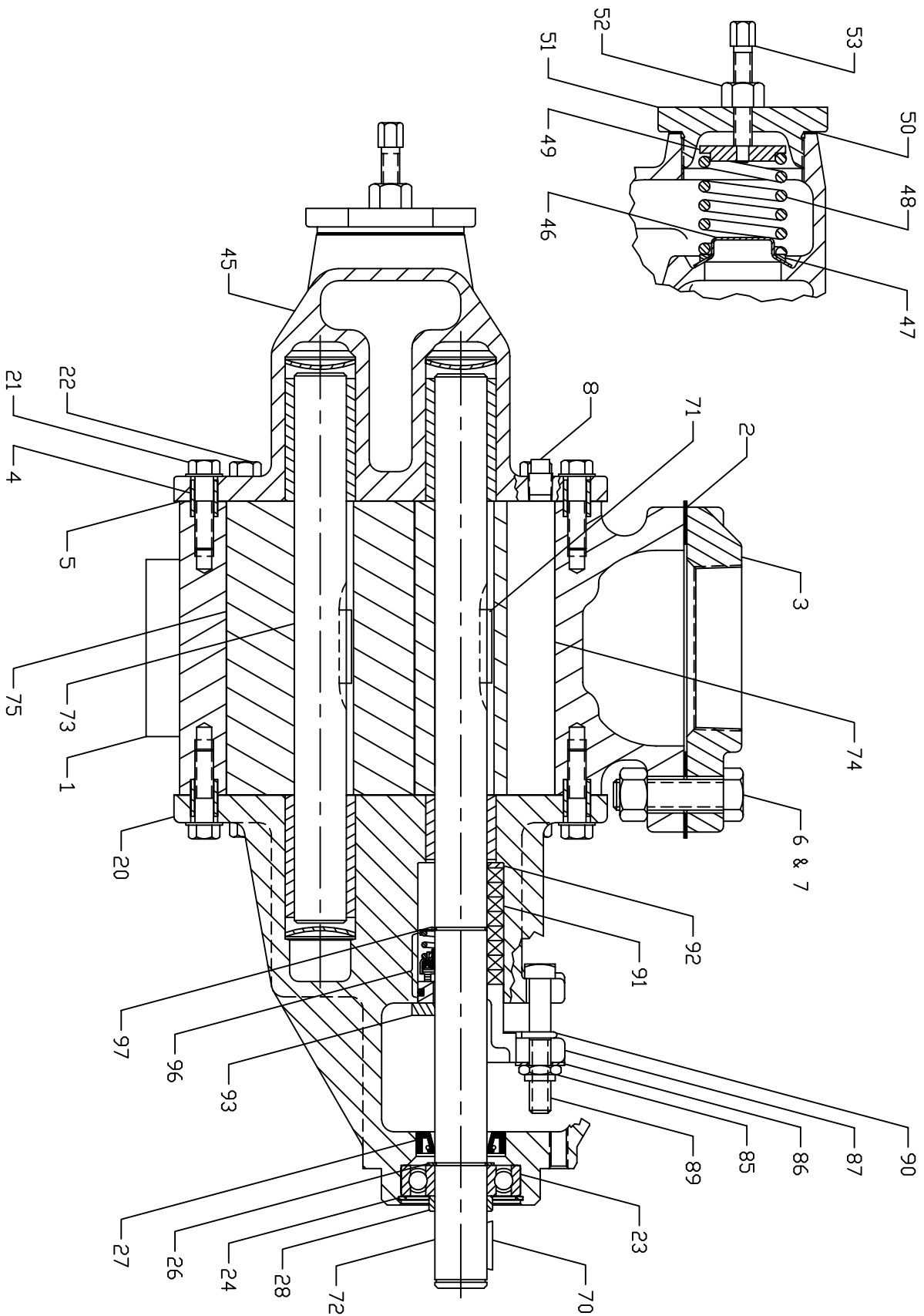
3611-4722 BH,F,RV

3611-4722 BH,F,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx BH)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx BHF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx BHF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1312	1	N2-1312	1	N2-1312
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-32	1	D30-32	1	D30-32
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2424	1	D1-2425	1	D1-2426
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-418	1	P6-414	1	P6-430
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
76	Ret Ring	2	G41-108	2	G41-108	2	G41-108
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76
99	Seal Locator Ring	1	D8-443	1	D8-443	1	D8-443

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



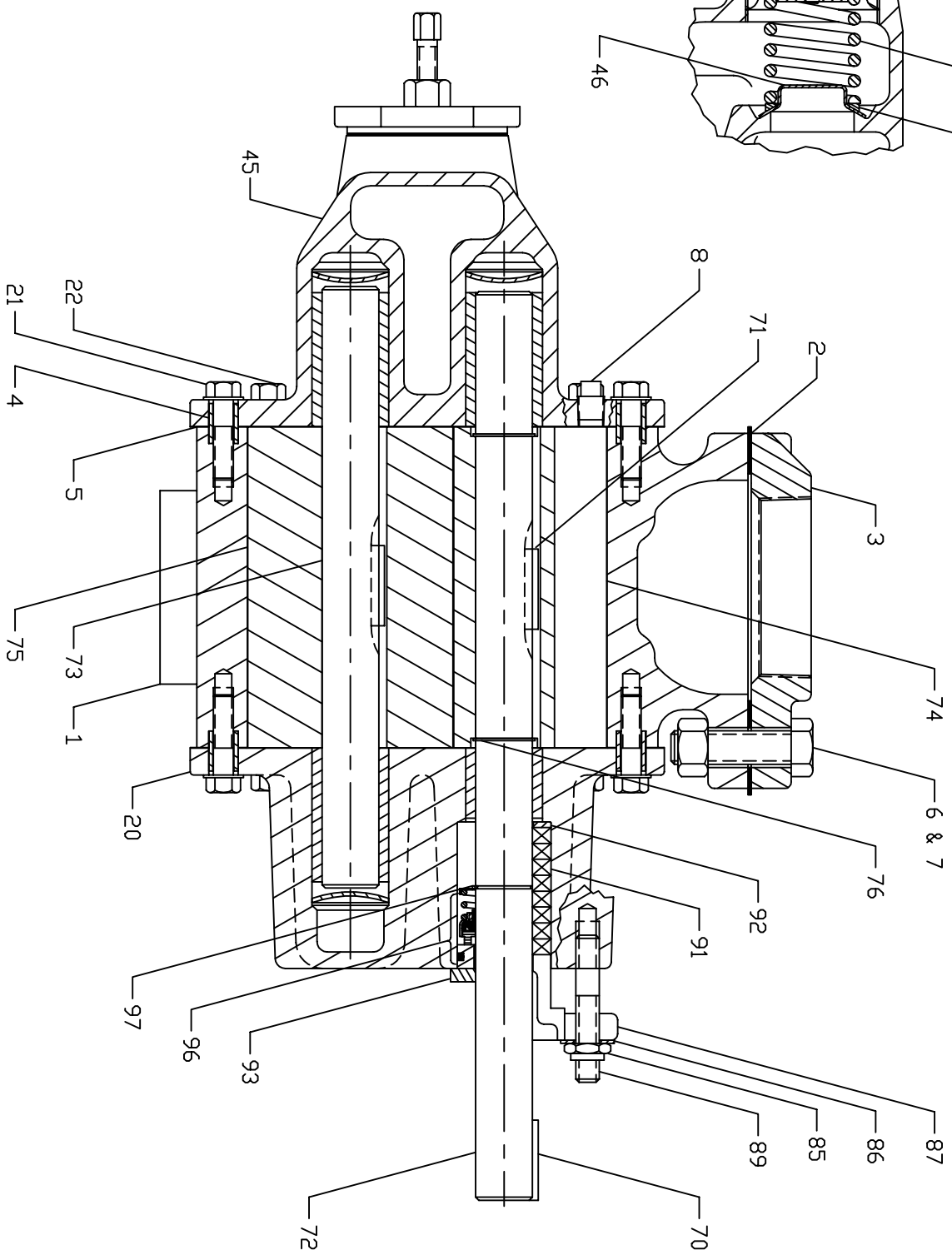
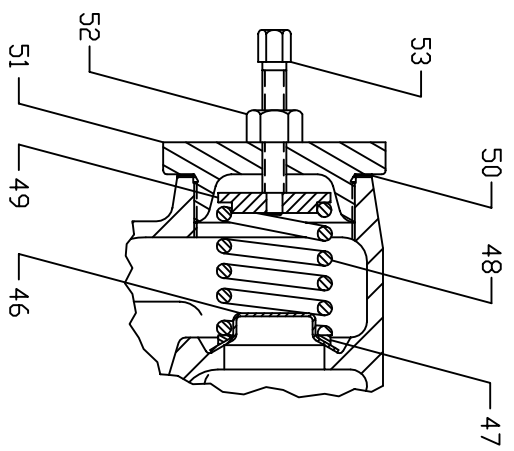
3611-4722 GHB,F,D,RV

3611-4722 GHB,F,O,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx GHB)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx GHBF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx GHBF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-406	1	N2-406	1	N2-406
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
23	Ball Brg	1	G40-147	1	G40-147	1	G40-147
24	Ret Ring	1	G41-20	1	G41-20	1	G41-20
26	Ret Ring	1	G41-76	1	G41-76	1	G41-76
27	Lip Seal	1	D83-5	1	D83-5	1	D83-5
28	Spacer	1	D45-100	1	D45-100	1	D45-100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-32	1	D30-32	1	D30-32
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2074	1	D1-2075	1	D1-2001
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-276	1	P6-274	1	P6-278
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



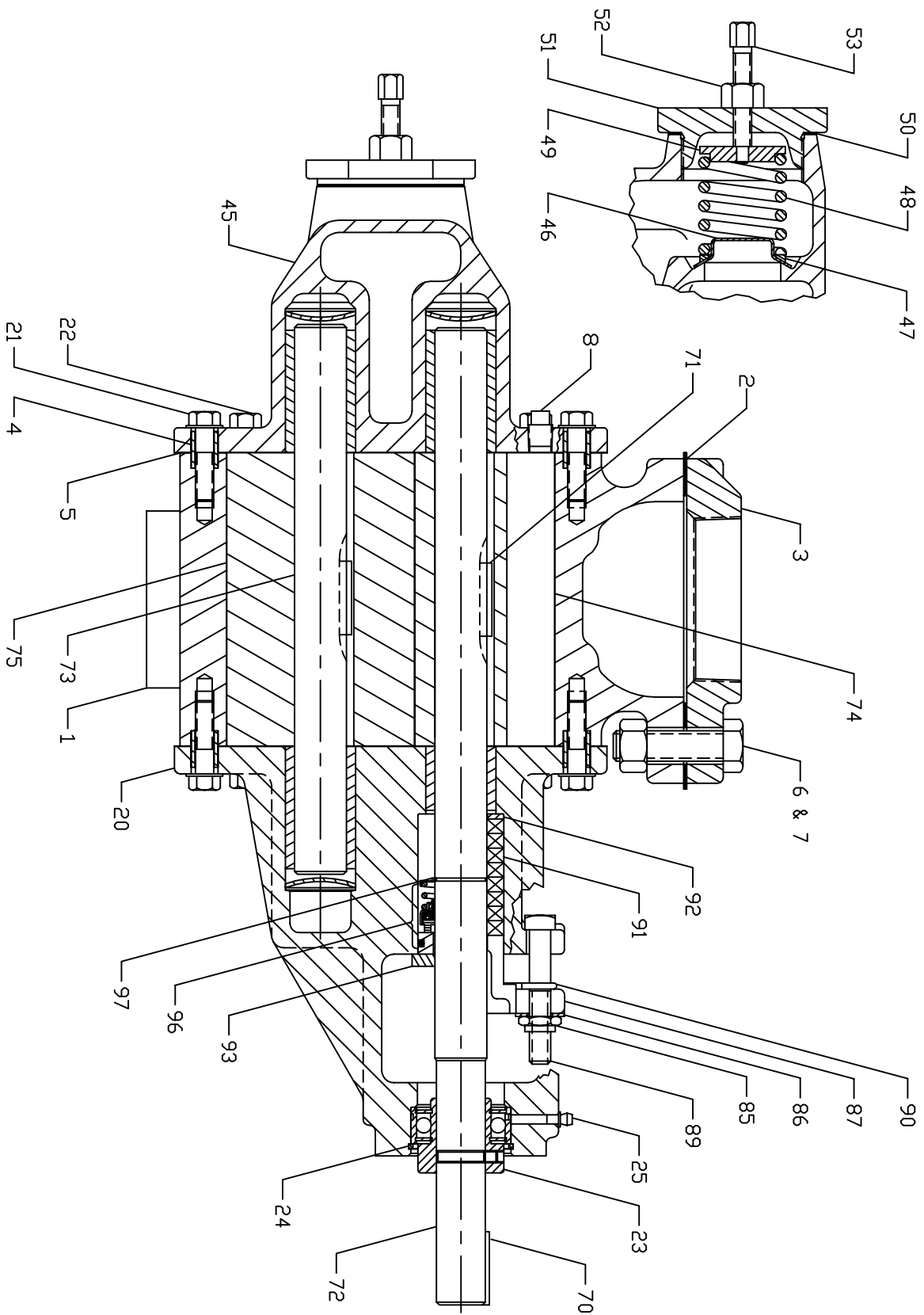
3611-4722 H,F,RV

3611-4722 H,F,RV SPEC G

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx H)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx HF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx HF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1012	1	N2-1012	1	N2-1012
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-9	1	D30-9	1	D30-9
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2093	1	D1-2097	1	D1-2099
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-418	1	P6-414	1	P6-430
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
76	Ret Ring	2	G41-108	2	G41-108	2	G41-108
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Stud, Pkg	2	D22-245	2	D22-245	2	D22-245
	Hex Hd Cap Screw, Mech Seal	2	G49-043100	2	G49-043100	2	G49-043100
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



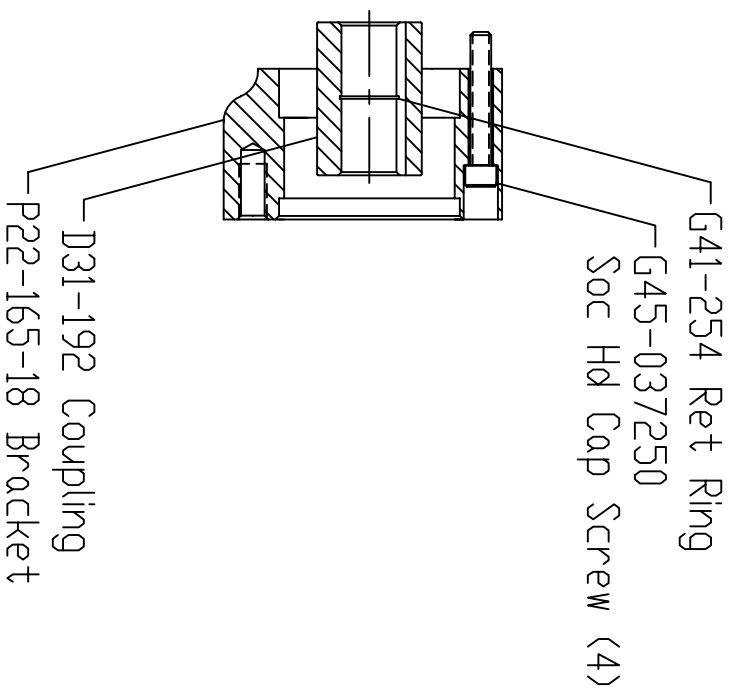
3611-4722 HB,F,RV

3611-4722 HB,F,RV

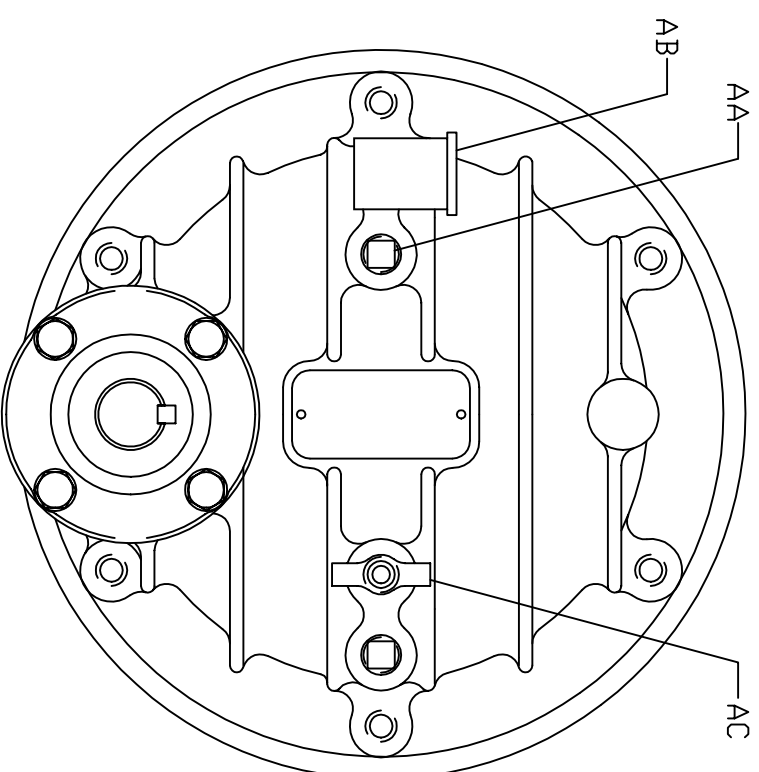
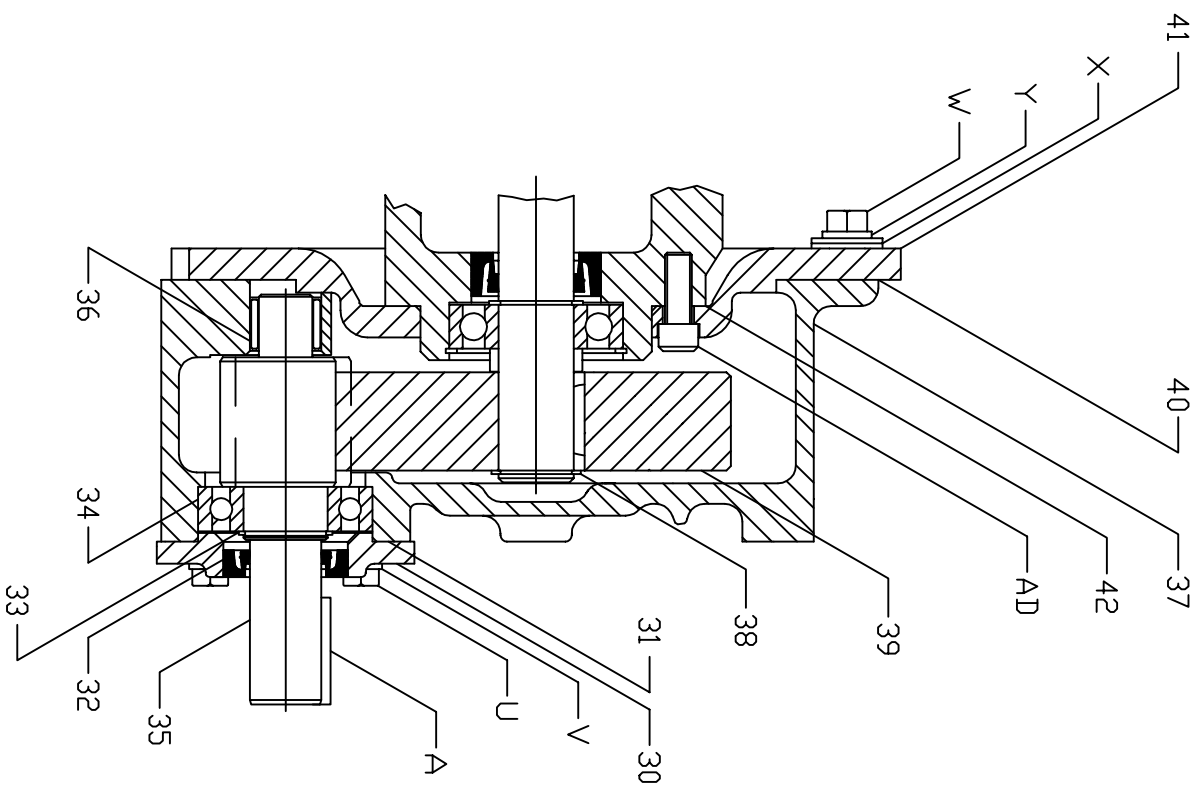
KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx HB)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx HBF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx HBF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-403	1	N2-403	1	N2-403
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
23	Ball Brg	1	G40-41	1	G40-41	1	G40-41
24	Ret Ring	1	G41-10	1	G41-10	1	G41-10
25	Lube Ftg	1	G63-1	1	G63-1	1	G63-1
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-9	1	D30-9	1	D30-9
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2072	1	D1-2073	1	D1-1998
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-276	1	P6-274	1	P6-278
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



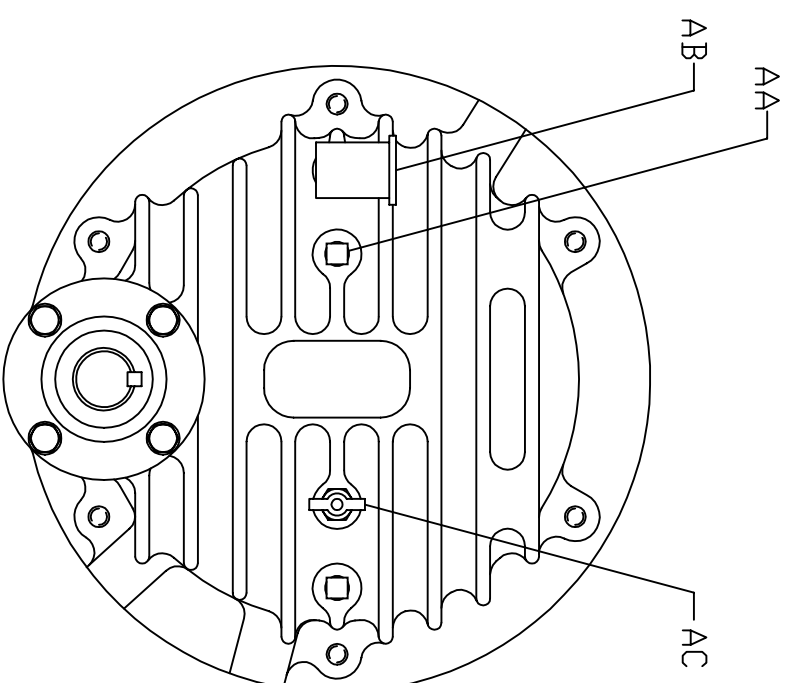
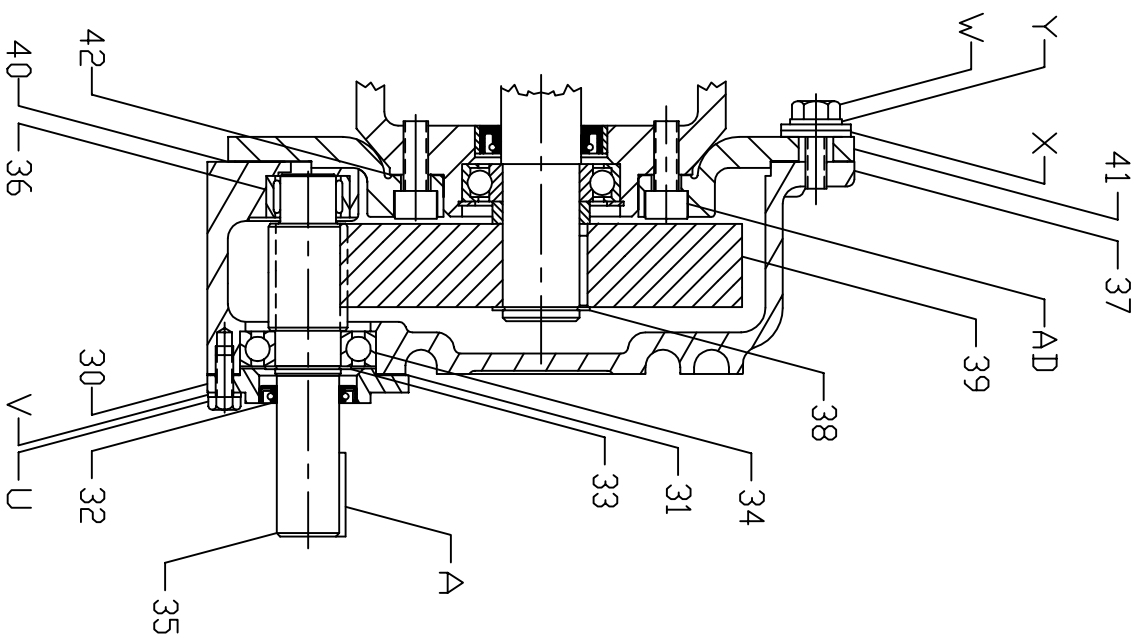
3611-4722 MBH,F,RV
COUPLING ASSEMBLY



N41-1

N41-XXX-1

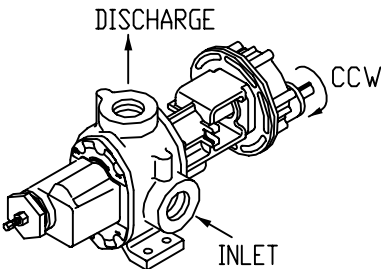
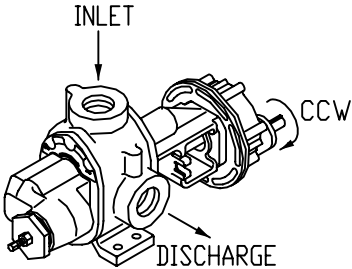
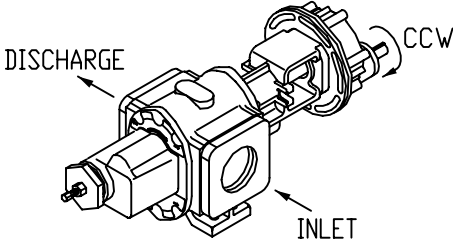
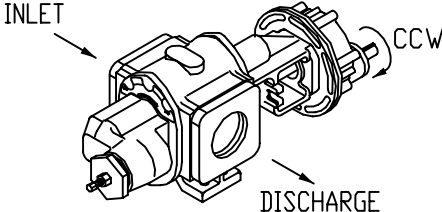
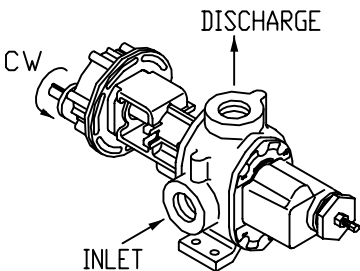
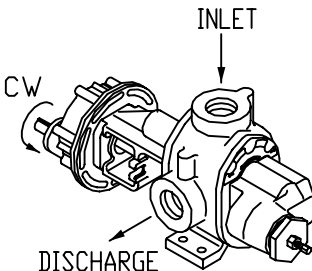
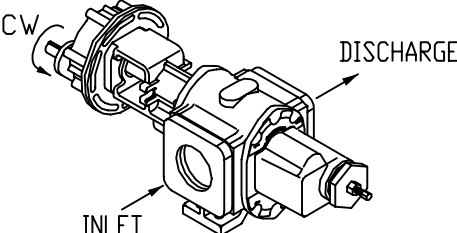
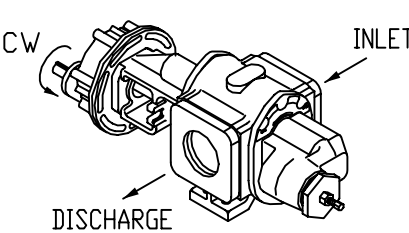
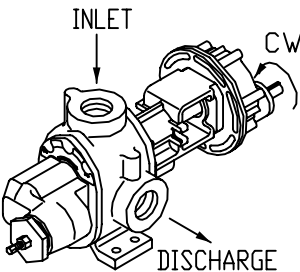
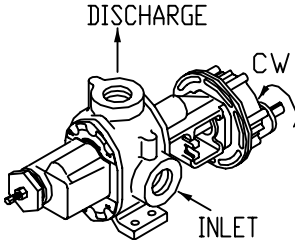
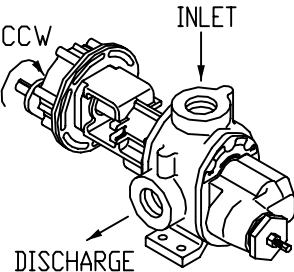
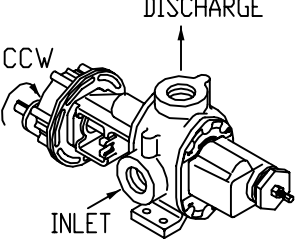
KEY NO.	DESCRIPTION	N41-320-1		N41-394-1		N41-460-1	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	D83-22	1	D83-22	1	D83-22
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-120	1	D37-117	1	D37-115
36	Needle Bearing	1	G40-30	1	G40-30	1	G40-30
37	Gear Case	1	P49-2	1	P49-2	1	P49-2
38	Retaining Ring	1	G41-76	1	G41-76	1	G41-76
39	Drive Gear	1	D37-64	1	D37-67	1	D37-69
40	Gear Case Gasket	1	D11-278	1	D11-278	1	D11-278
41	Gear Box Cover	1	P22-13	1	P22-13	1	P22-13
42	Cover Gasket	1	D11-276	1	D11-276	1	D11-276
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cup	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-037100	4	G45-037100	4	G45-037100
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-037125	6	G49-037125	6	G49-037125
X	Flat Washer	12	G8-52	12	G8-52	12	G8-52
Y	Lockwasher	6	G8-72	6	G8-72	6	G8-72



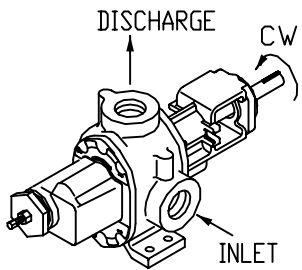
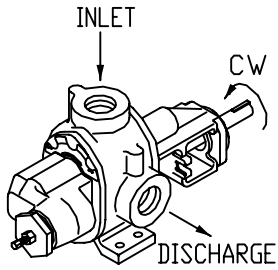
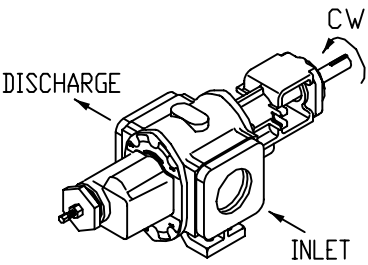
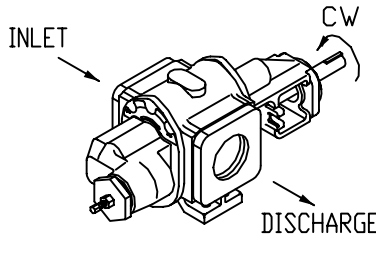
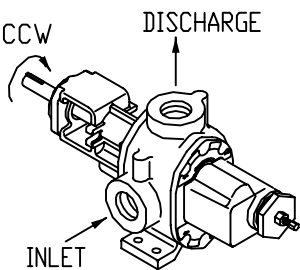
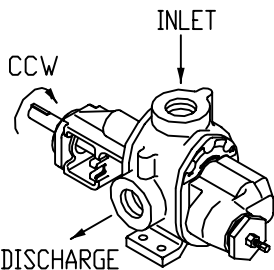
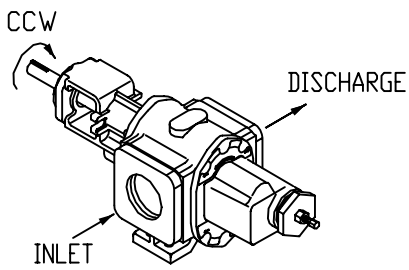
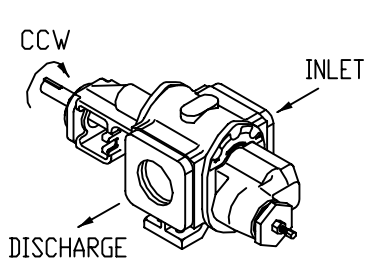
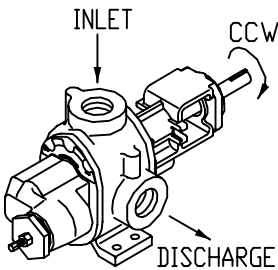
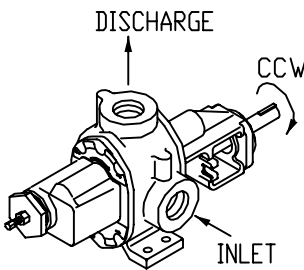
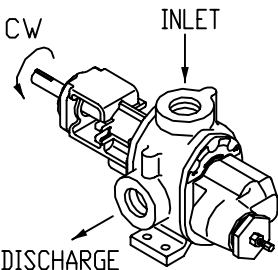
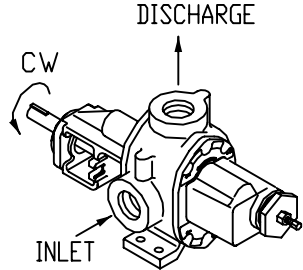
N41-3

N41-XXX-3

KEY NO.	DESCRIPTION	N41-426-3		N41-488-3		N41-566-3	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	G17-84	1	G17-84	1	G17-84
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-119	1	D37-118	1	D37-116
36	Needle Bearing	1	G40-51	1	G40-51	1	G40-51
37	Gear Case	1	P49-6	1	P49-6	1	P49-6
38	Retaining Ring	1	G41-80	1	G41-80	1	G41-80
39	Drive Gear	1	D37-91	1	D37-93	1	D37-95
40	Gear Case Gasket	1	D11-305	1	D11-305	1	D11-305
41	Gear Box Cover	1	P22-25	1	P22-25	1	P22-25
42	Cover Gasket	1	D11-304	1	D11-304	1	D11-304
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cap	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-050125	4	G45-050125	4	G45-050125
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-050125	6	G49-050125	6	G49-050125
X	Flat Washer	12	G8-54	12	G8-54	12	G8-54
Y	Lockwasher	6	G8-74	6	G8-74	6	G8-74

	W		LW	
3X11-3X22				
4X11-4X22				
	Z		LZ	
3X11-3X22				
4X11-4X22				
	X	LX	Y	LY
3X11-3X22				

DIRECTION OF ROTATION FOR 3611 TO 4722 GHB PUMP USING RELIEF VALVE

	W		LW	
3X11-3X22				
4X11-4X22				
	Z		LZ	
3X11-3X22				
4X11-4X22				
	X	LX	Y	LY
3X11-3X22				

DIRECTION OF ROTATION FOR 3611 TO 4722 H AND HB PUMP USING RELIEF VALVE



There must be
3600 easy ways
to put these
ultra-reliable
workhorses
to use.

Trouble-Free Versatility



The leading force behind liquids.

Applications

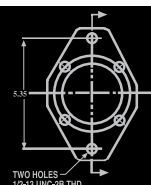
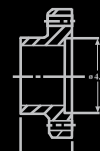
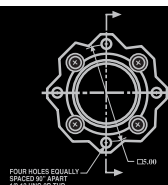
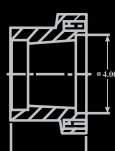
- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

Features

- Heavy duty cast iron helical gear pumps
- Bi-directional, self-priming
- Differential pressures to 125psi
- Up to 340gpm
- Standard operation up to 212F
- Can be built to operate up to 500F
- Maintenance-free durability

Options

- Through ports or angled ports; 2-sided or top and side configuration
- Threaded ports or flanged, tapped port connections
- Integral relief valve and integral gear reducer
- Outboard bearing, depending on drive and seal arrangements



3600 Series

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www.roperpumps.com

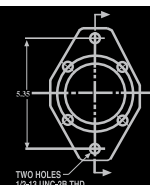
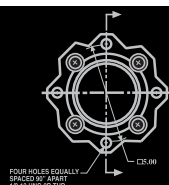
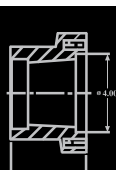
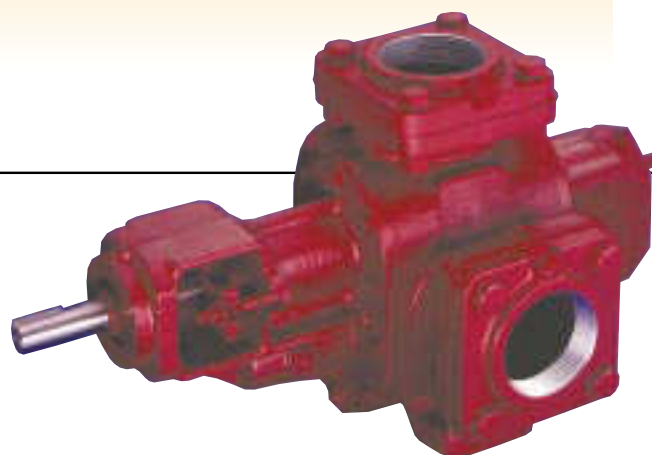
Pump Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
3611/3711	.11GPR(416.4 CC.REV)	750RPM	82.5GPM (18.6M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
4611/4711	.11GPR(416.4 CC.REV)	750RPM	82.5GPM (18.6M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
3617/3717	.17GPR(643.5 CC.REV)	750RPM	127.5GPM (28.8M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
4617/4717	.17GPR(643.5 CC.REV)	750RPM	127.5GPM (28.8M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
3622/3722	.22GPR(832.8 CC.REV)	750RPM	165GPM (37.2M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
4622/4722	.22GPR(832.8 CC.REV)	750RPM	165GPM (37.2M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
3635/3735	.37GPR(1400.6 CC.REV)	600RPM	222GPM (50.4M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
4638/4738	.38GPR(1438.4 CC.REV)	900RPM	342GPM (77.4M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
3648/3748	.52GPR(1968.4 CC.REV)	900RPM	468GPM (106.2M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
3658/3758	.60GPR(2271.2 CC.REV)	600RPM	360GPM (81.6M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
4658/4758	.58GPR(2195.53 CC.REV)	600RPM	348GPM (79.2M ³ /HR)	125 PSI (8.6Bar)	4"NPT"

Materials of Construction

Housing	Gears	Bearings	Shaft
• Cast Iron	• Hardened Steel	• Bronze	• Steel
Options	• Stainless Steel	• Iron	• Stainless Steel
		• Carbon	

Key Features

- Right angle or thru port design
 - Bi-directional rotation
 - Steam jackets available
 - Flange or foot mounted configurations
- Options
- Integral gear reducer
 - Bearing materials
 - Packing or seals available
 - Internal relief valve





3600 Series Nomenclature:

First digit indicates port orientation

3 has the ports located at 90^0 i.e.: Top and side locations.

4 has the ports located at 180^0 i.e.: side and side locations.

Second digit identifies the sealing arrangement

6 is for packing

7 is for mechanical seal

Sizes Available

11 provides .11gpr

17 provides .17gpr

22 provides .23/.22gpr

35 provides .37gpr

38 provides .38gpr

48 provides .52gpr

58 provides .58/.60gpr

Drive Arrangements

H - Pump head without outboard bearing.

HB - Pump head with outboard bearing.

GHB - Pump head with outboard bearing and built-on gear reduction unit.

F - Pump with flanged ports.

Example: **3611HBF**

1st number (3): 90^0 ports

2nd number (6): packing seal

3rd number (11): .11 gallons per revolutions

HB: pump head with outboard bearing

F: flanged ports



4668-4699 Series Nomenclature:

The nomenclature is the same as the other 3600 Series pumps, with there only being two sizes:

68 provides 0.68gpr

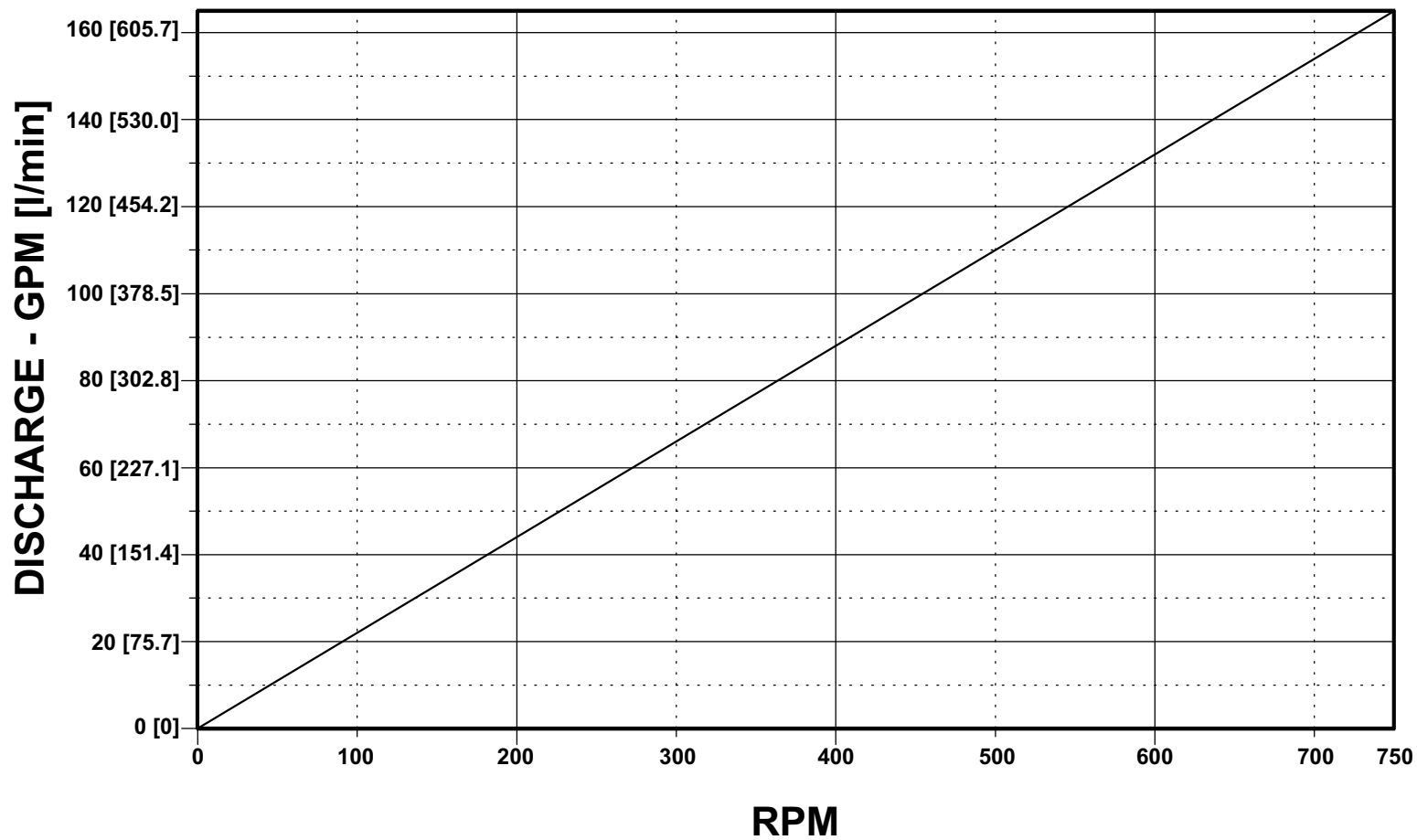
99 provides 0.99gpr

SERIES: 3622, 3722, 4622, 4722

GRAPH 1

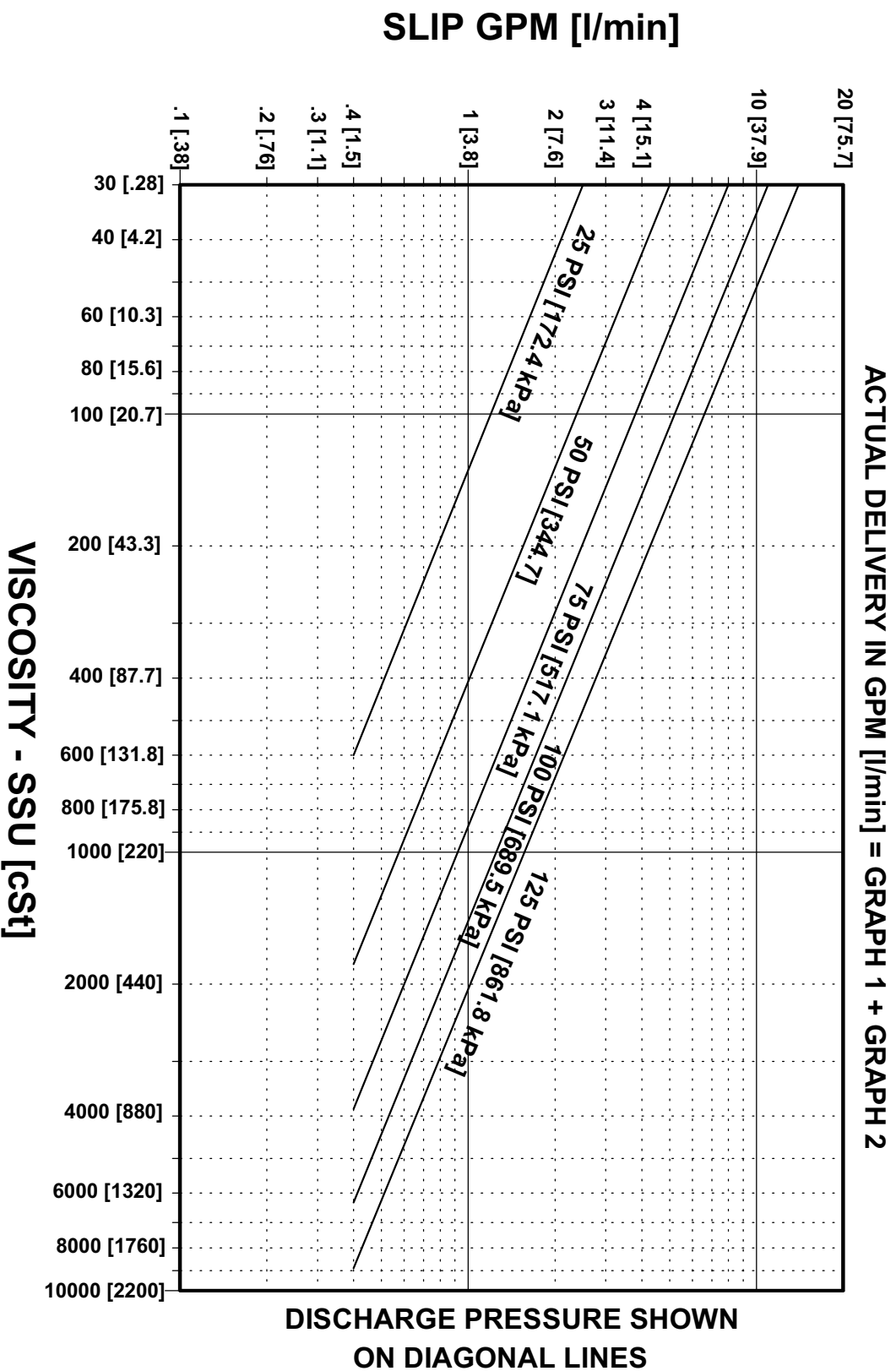
THEORETICAL GPM

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 + GRAPH 2



SERIES: 3622, 3722, 4622, 4722 GRAPH 2

SLIP

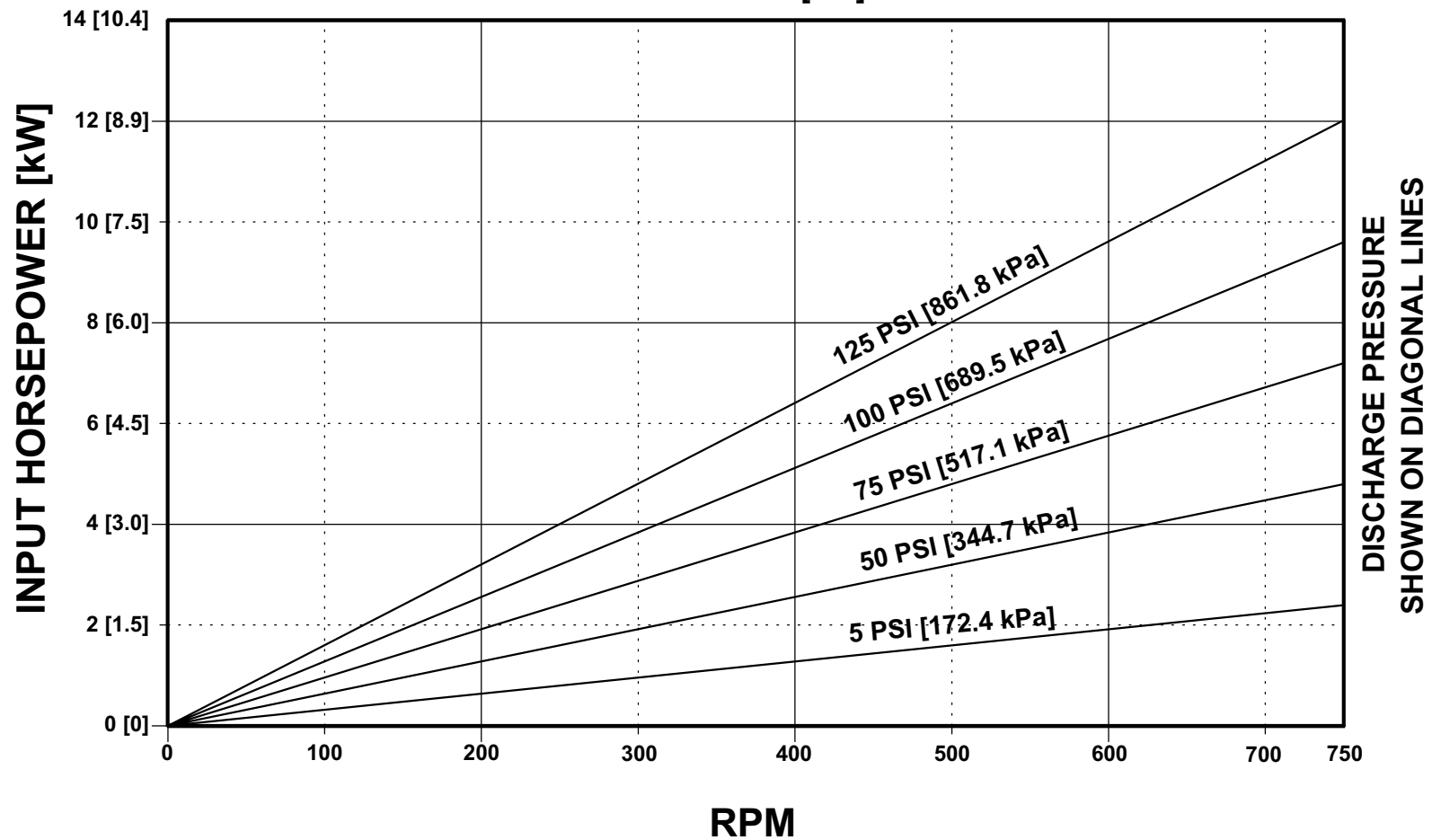


SERIES: 3622, 3722, 4622, 4722

GRAPH 3

INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

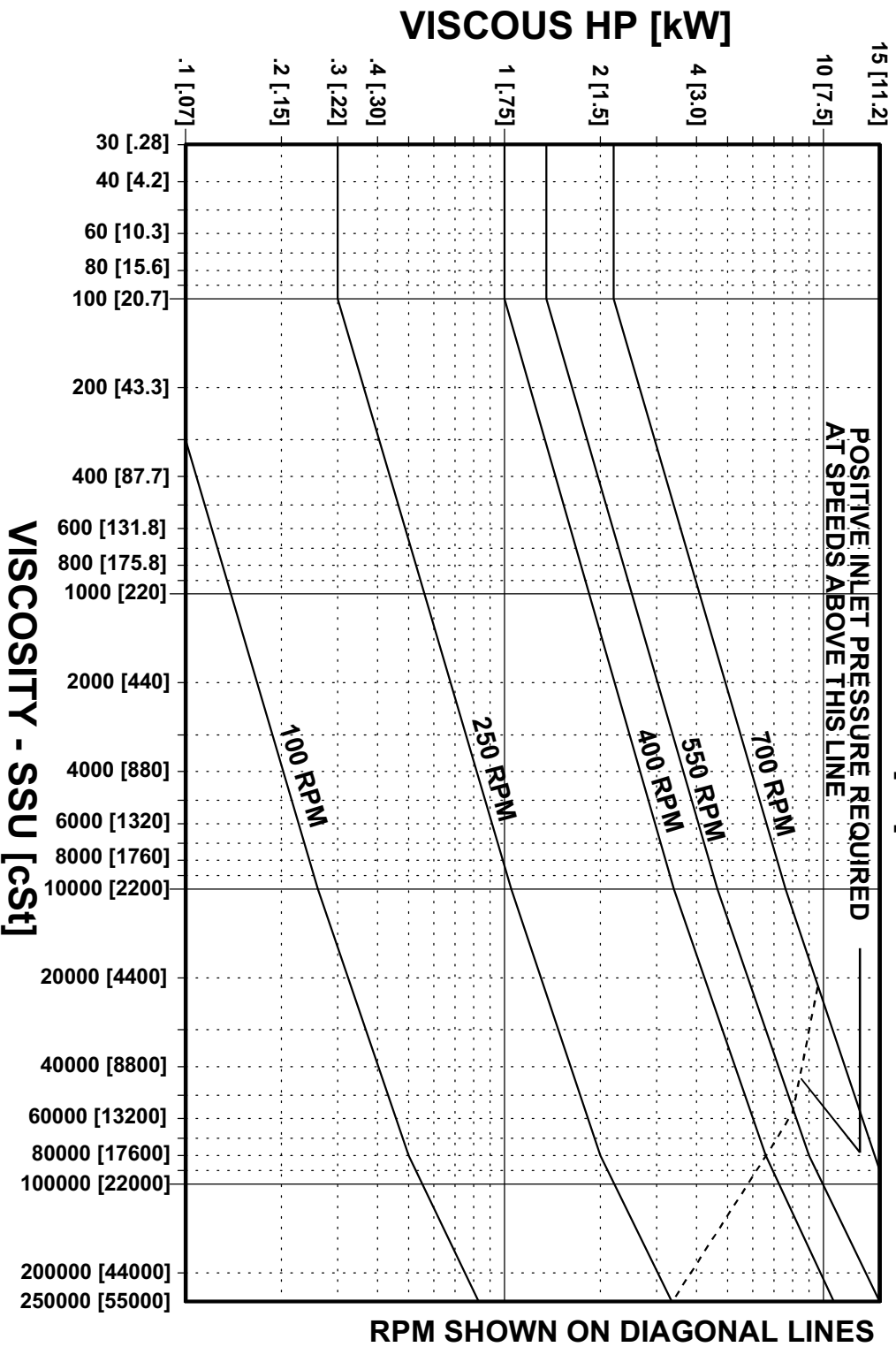


SERIES: 3622, 3722, 4622, 4722

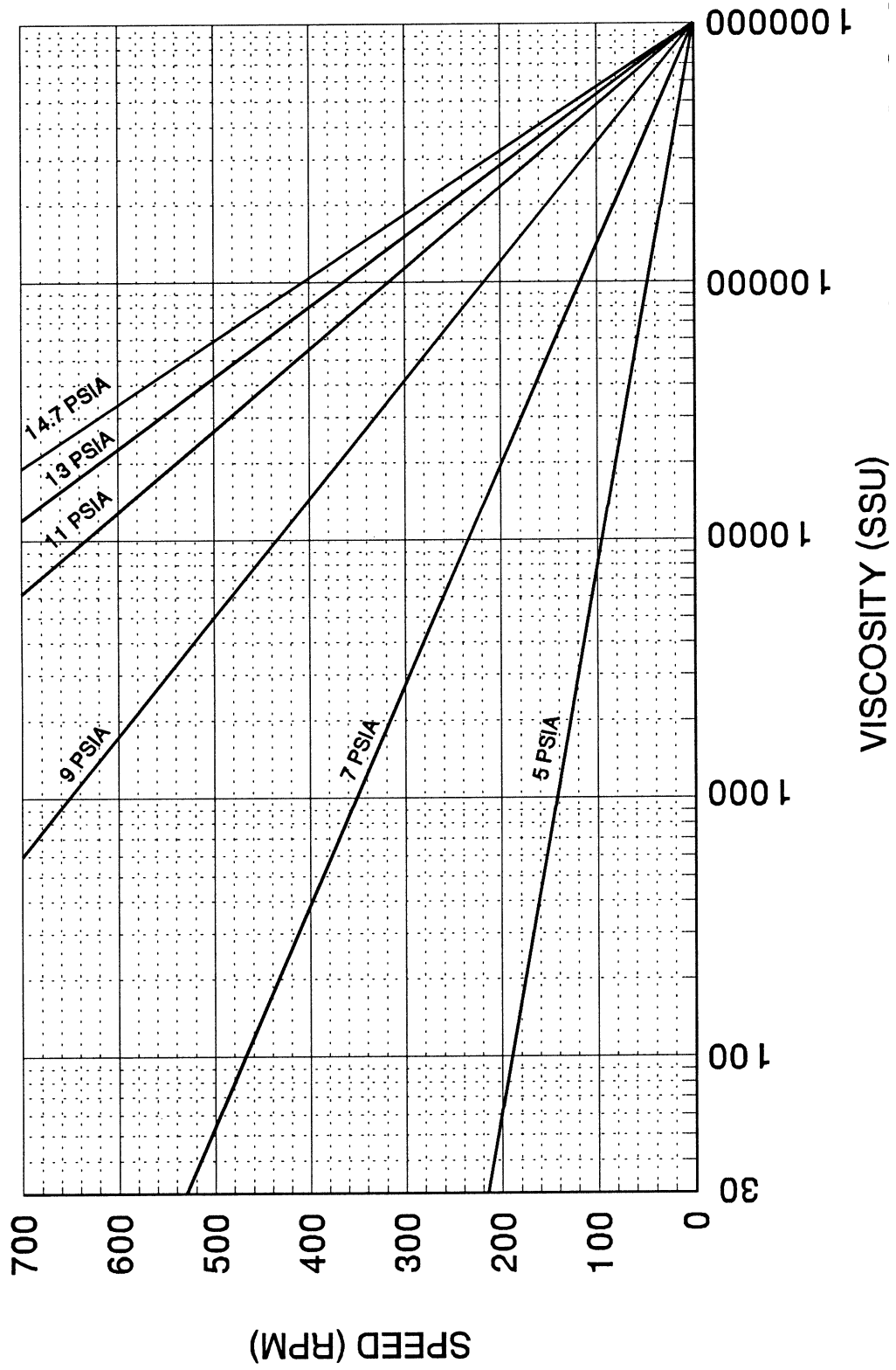
GRAPH 4

VISCOUS HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



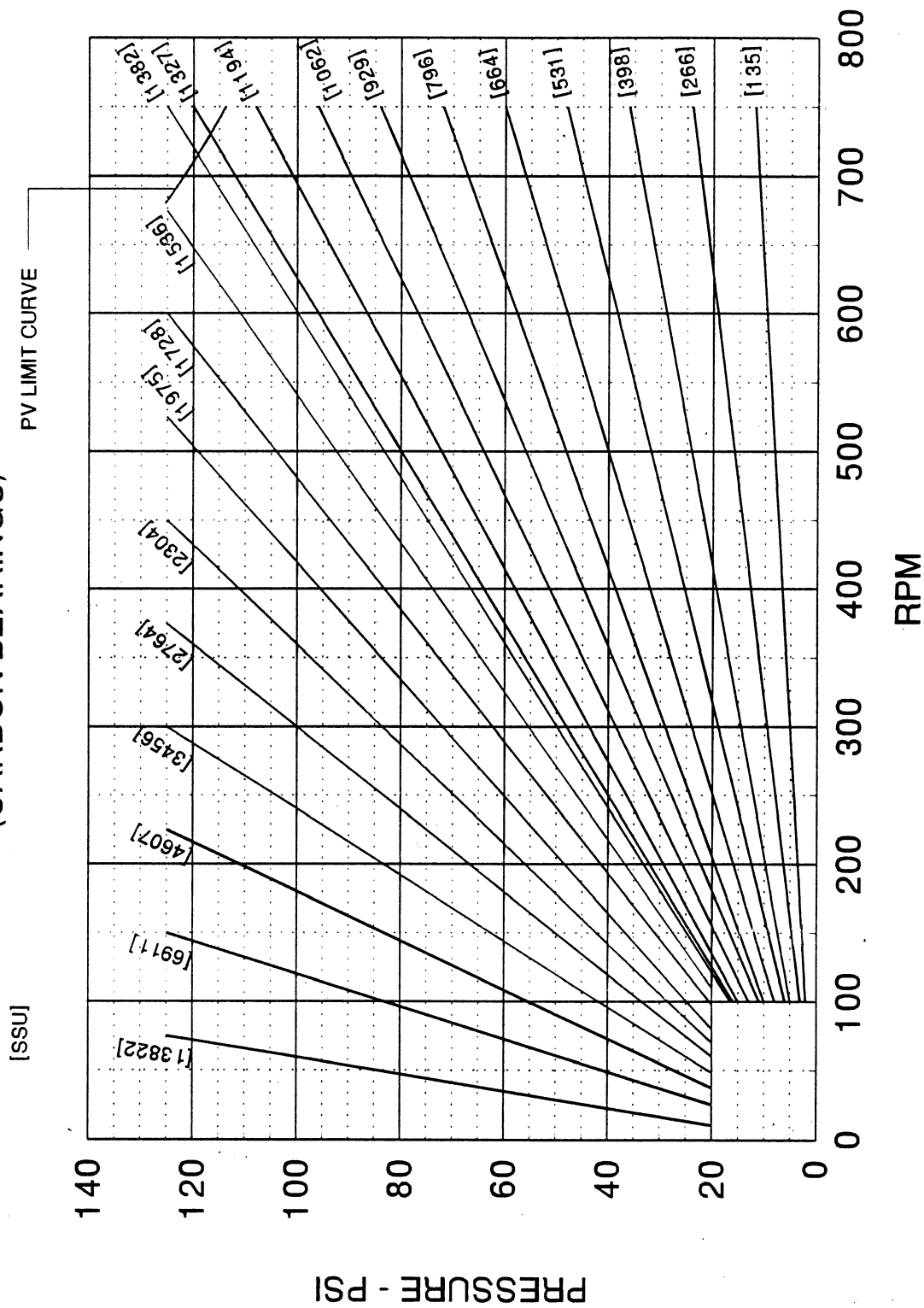
3611,3711,3617,3717,3622,3722,4611,4711,4617,4717,4622,4722
REQUIRED NET INLET PRESSURE



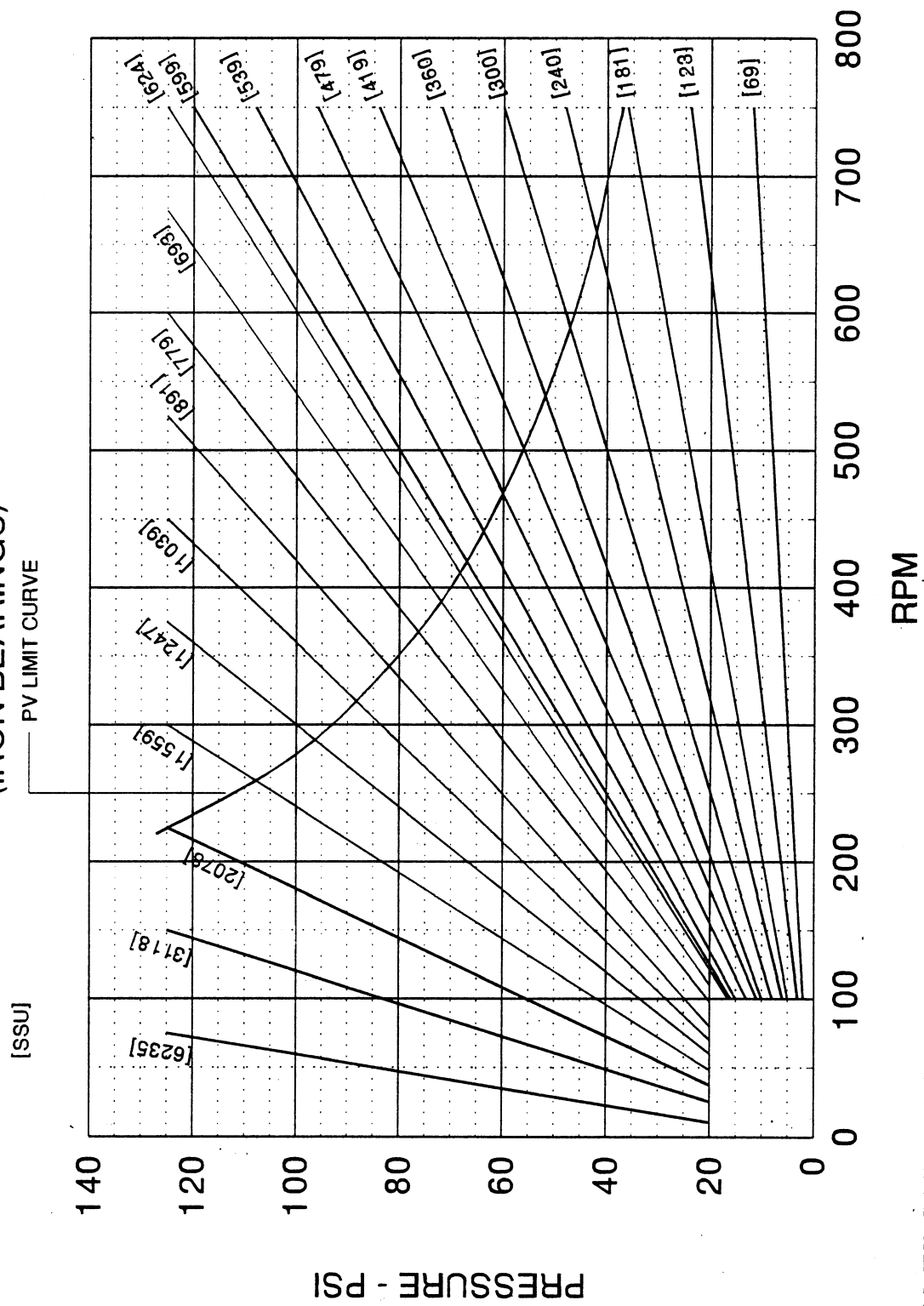
[illegible]

[ns]

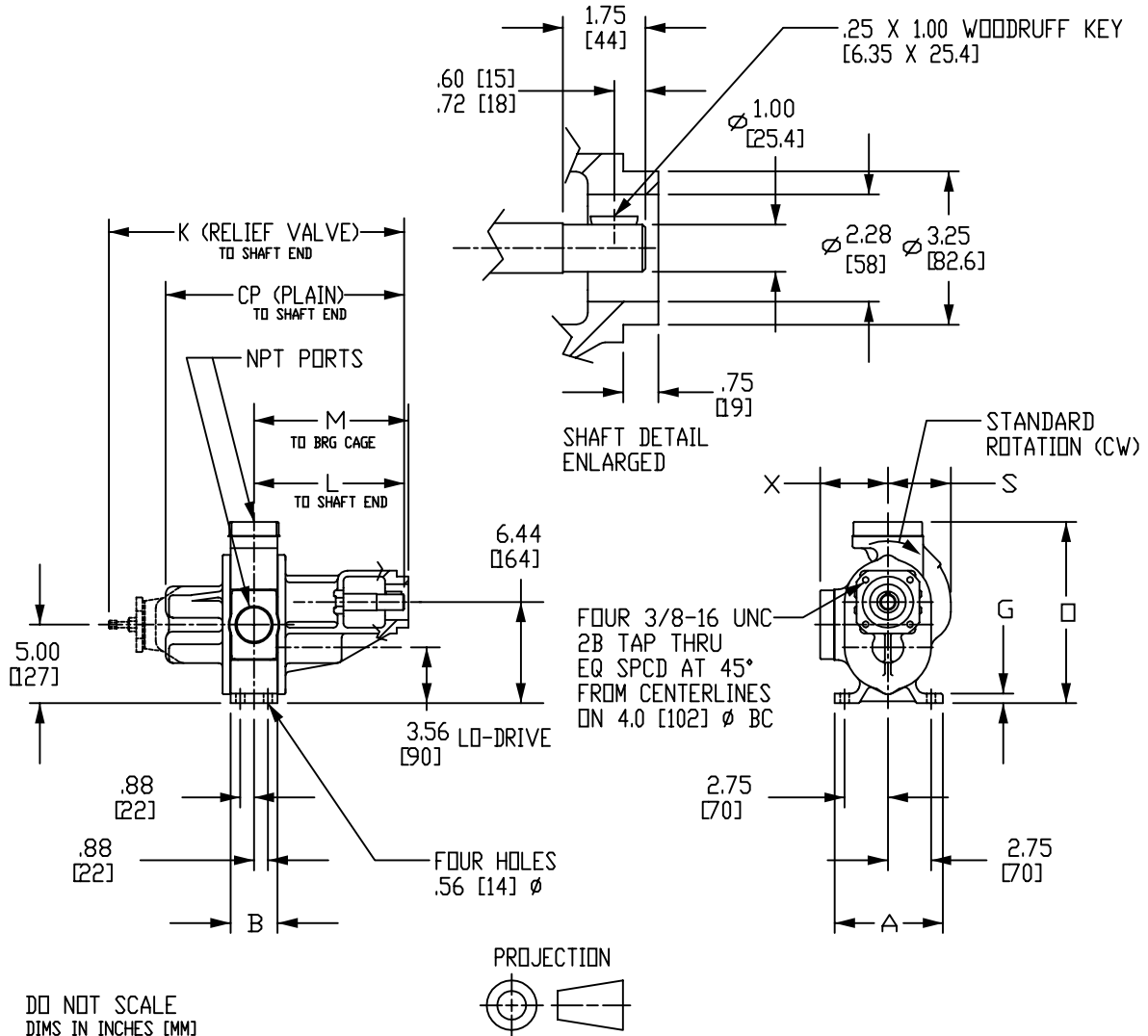
3622,3722,4622,4722 (CARBON BEARINGS)



3622,3722,4622,4722 (IRON BEARINGS)

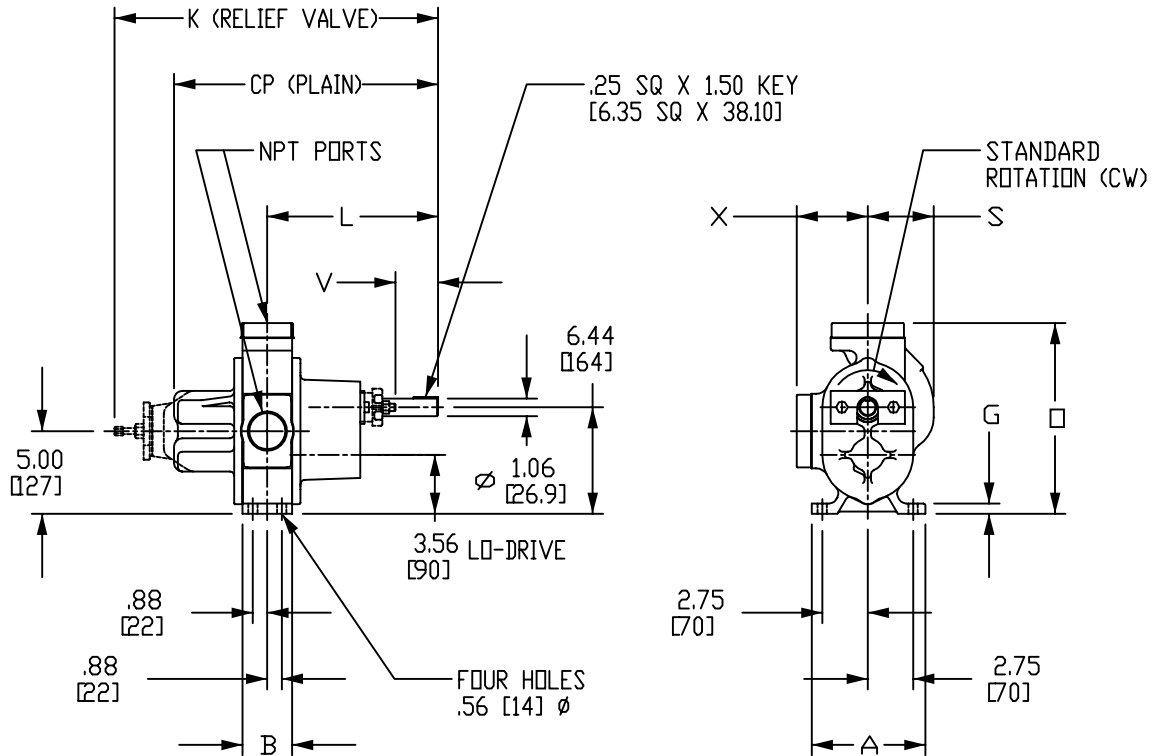


3611-3722 BH,F,RV TYPE 3

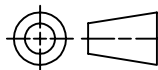


PUMP	A	B	CP	G	K	L	M	□	PORTS	S	X
3611 & 3711 BH	7.00	3.00	15.24	.75	18.84	9.61	9.89	10.75	2" TAPPED	4.00	3.62
3611 & 3711 BHRV	[178]			[19]				[273]			[92]
3611 & 3711 BHF	6.88			.62				11.54	2" FLANGED		4.30
3611 & 3711 BHFRV	[175]		[387]	[16]	[478]	[244]	[251]	[293]			[109]
3617 & 3717 BH	7.00	3.50	16.74	.75	20.34	10.36	10.64	10.75	2" TAPPED	4.00	3.62
3617 & 3717 BHRV	[178]							[273]			[92]
3617 & 3717 BHF	6.88							11.54	2" FLANGED		4.30
3617 & 3717 BHFRV	[175]		[425]	[19]	[517]	[263]	[270]	[293]			[109]
3622 & 3722 BHF	7.00	3.62	18.24		21.84	11.11	11.39	12.16	3" FLANGED	4.41	6.41
3622 & 3722 BHFRV	[178]	[92]	[463]		[555]	[282]	[289]	[309]		[112]	[163]

3611-3722 H,F,RV SPEC G TYPE 3



PROJECTION

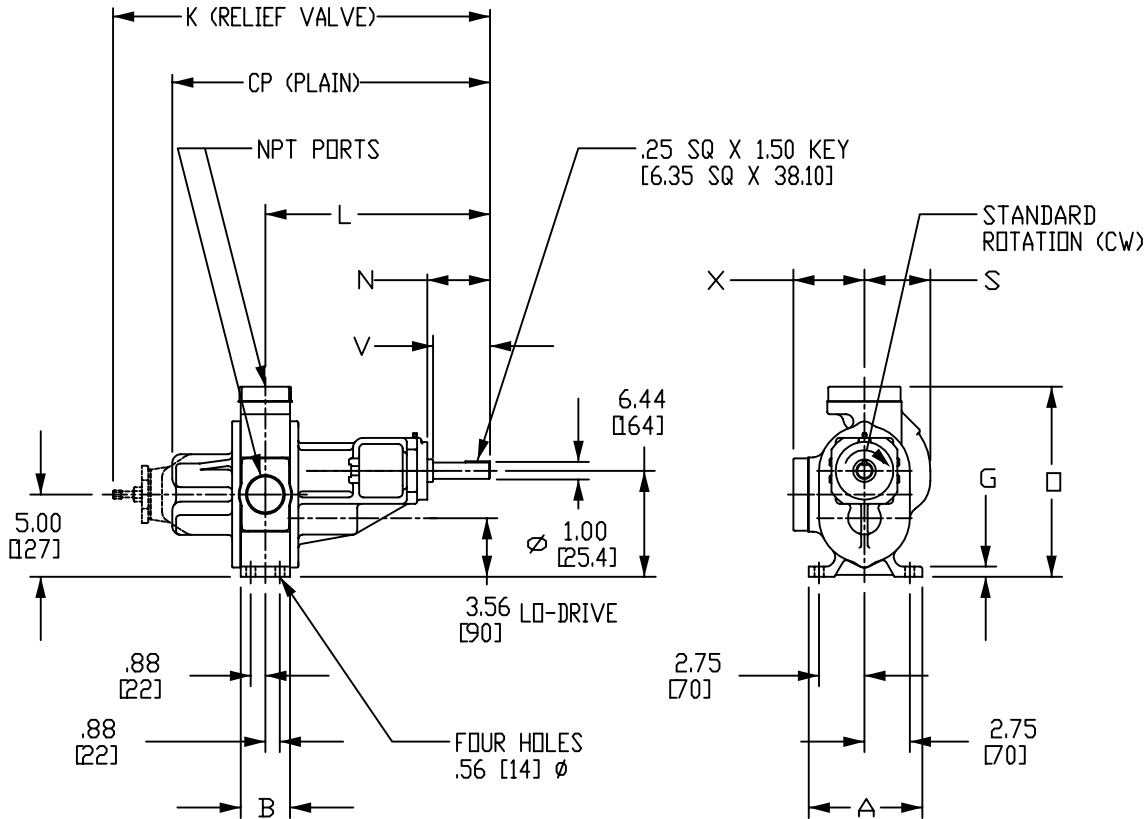


DO NOT SCALE
DIMS IN INCHES [MM]

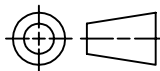
▲ PACKED BOX
★ MECH SEAL

PUMP	A	B	CP	G	K	L	□	PORTS	S	V		X
3611 & 3711 H	7.00	3.00 [76]	15.97 [406]	.75 [19]	19.57 [497]	10.34 [263]	10.75 [273]	2" TAPPED	4.00 [102]	2.58 [66]	4.18 [106]	3.62 [92]
3611 & 3711 HRV	[178]											
3611 & 3711 HF	6.88											
3611 & 3711 HFRV	[175]											
3617 & 3717 H	7.00	3.50 [89]	16.72 [425]	.75 [19]	20.33 [516]	11.46 [291]	10.75 [273]	2" TAPPED	4.41 [112]	1.83 [47]	3.43 [87]	3.62 [92]
3617 & 3717 HRV	[178]											
3617 & 3717 HF	6.88											
3617 & 3717 HFRV	[175]											
3622 & 3722 HF	7.00	3.62 [92]	18.59 [472]		22.19 [564]	11.46 [291]	12.16 [309]	2" FLANGED				6.41 [163]
3622 & 3722 HFRV	[178]								4.41 [112]	2.20 [56]	3.80 [96]	

3611-3722 HB,F,RV TYPE 3



PROJECTION

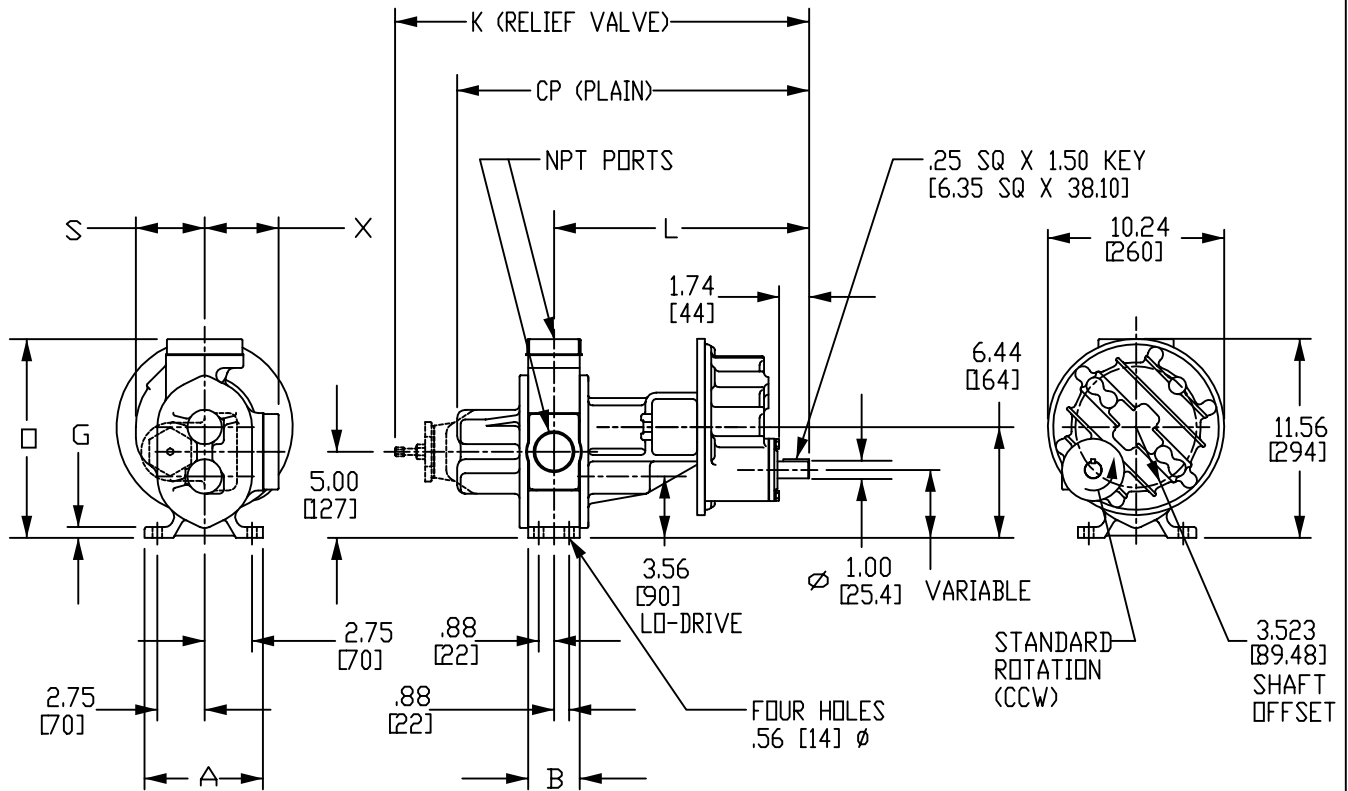


DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

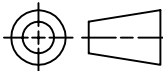
PUMP	A	B	CP	G	K	L	N	□	PORTS	S	V	X	
3611 & 3711 HB	7.00	3.00	19.32	.75	22.92	13.69	3.80	10.75	2" TAPPED	4.00	3.45	3.62	
3611 & 3711 HBRV	[178]			[19]				[582]				[273]	[92]
3611 & 3711 HBF	6.88			.62			11.54	4.30					
3611 & 3711 HBFRV	[175]		[16]				[293]	2" FLANGED				[109]	
3617 & 3717 HB	7.00	3.50	20.07		23.67	14.44	3.05	10.75	2" TAPPED		4.41	2.70	3.62
3617 & 3717 HBRV	[178]							[610]					[273]
3617 & 3717 HBF	6.88							[510]	11.54	4.30			
3617 & 3717 HBFRV	[175]							[19]	[293]	[109]			
3622 & 3722 HBF	7.00	3.62	21.57	25.17	14.44	12.16	3" FLANGED	4.41	6.41				
3622 & 3722 HBFRV	[178]	[92]	[548]							[639]		[367]	[309]

3611-3722 GHB,F,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

PROJECTION

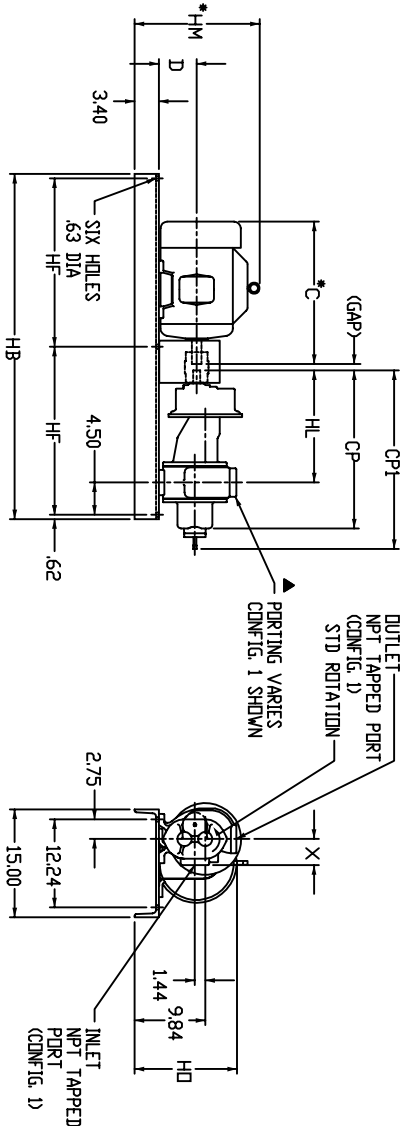


DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

PUMP	A	B	CP	G	K	L	□	PORTS	S	X
3611 & 3711 GHB	7.00	3.00 [76]	20.47 [596]	.75 [19]	24.07 [611]	14.83 [377]	10.75 [273]	2" TAPPED	4.00 [102]	3.62 [92]
3611 & 3711 GHBRV	[178]									
3611 & 3711 GHBF	6.88									
3611 & 3711 GHBFRV	[175]									
3617 & 3717 GHB	7.00	3.50 [89]	21.97 [558]	.75 [19]	25.57 [649]	15.58 [396]	10.75 [273]	2" TAPPED		3.62 [92]
3617 & 3717 GHBRV	[178]									
3617 & 3717 GHBF	6.88									
3617 & 3717 GHBFRV	[175]									
3622 & 3722 GHBF	7.00	3.62 [92]	23.47 [596]		27.07 [688]	16.33 [415]	12.16 [309]	3" FLANGED	4.41 [112]	6.41 [163]
3622 & 3722 GHBFRV	[178]									

3611-4722 MGHBF, RV TYPE 3



✓	PUMP	PORT CONFIG.	PORT SIZE	X	HD	CP	CP1	HL	PLAIN PUMP WEIGHT	W/RV
	3611-3711 GHB,RV	1	2" NPT	3.62	14.15				105	109
	3611-3711 GHB,RV	2	2" NPT FLG	4.30	14.94	20.47	24.07	14.83	105	109
	4611-4711 GHB,RV	3	2" NPT FLG	4.17	12.84				105	109
	4611-4711 GHB,RV	4	2" ANSI FLG	4.73	12.84				115	119
	3617-3717 GHB,RV	1	2" NPT	3.62	14.15				123	127
	3617-3717 GHB,RV	2	2" NPT FLG	4.30	14.94	21.97	25.57	15.58	123	127
	4617-4717 GHB,RV	3	3" NPT FLG	4.41	12.84				123	127
	4617-4717 GHB,RV	4	3" ANSI FLG	4.73	12.84				131	135
	3622-3722 GHB,RV	2	3" NPT FLG	6.41	15.56				151	155
	4622-4722 GHB,RV	3	4" NPT FLG	4.85	12.84	23.47	27.07	16.33	151	155
	4622-4722 GHB,RV	4	4" ANSI FLG	5.53	12.90				157	161

✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
LOVEJOY COUPLINGS STANDARD

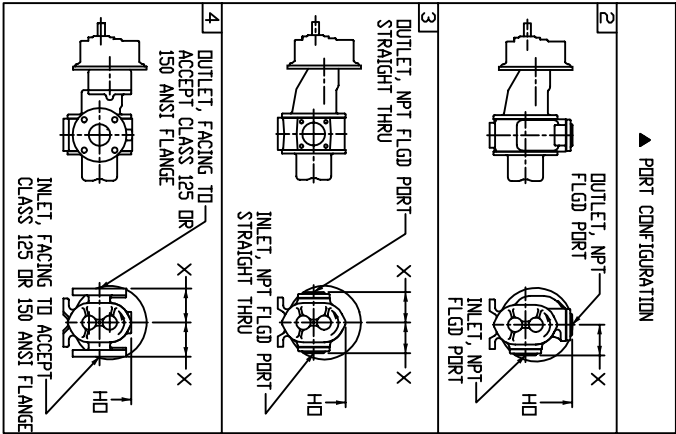
BASE/COUPLING/
HARDWARE WEIGHT

✓	MOTOR FRAME WEIGHT	11	17	22	*C	D	*HM	HB	HF	(GAP)
	143T	54	118	118	12.56	3.50	10.88			.50
	145T	65			12.82			40	19.38	
	182T	97	119	119	16.56	4.50	14.65			.88
	184T	110			18.06					
	213T	162	144	144	18.56	5.25	16.40			.88
	215T	189			21.09			48	23.38	
	254T	283	N/A	145	23.19	6.25	17.59			1.0
	256T	290			23.19					



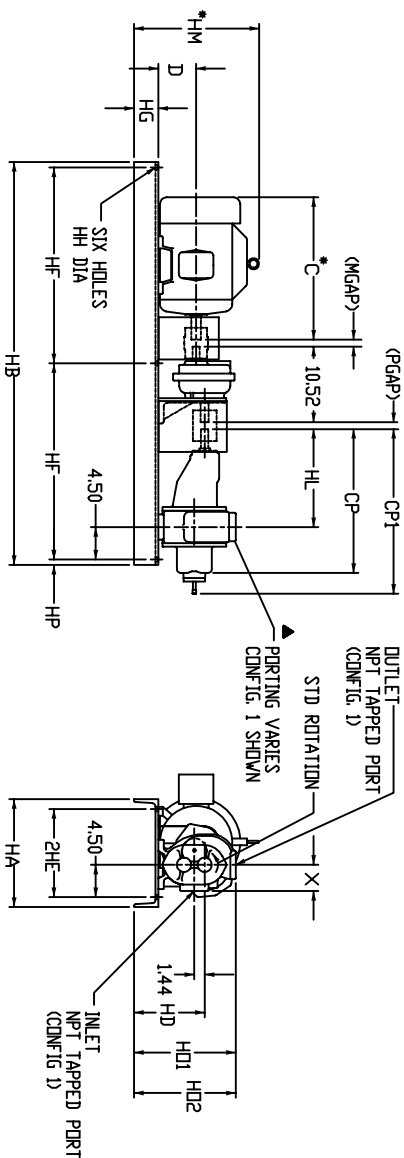
ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD MAYSVILLE RD
COMMERCE, GEORGIA 30529 U.S.A.
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

▲ PORT CONFIGURATION



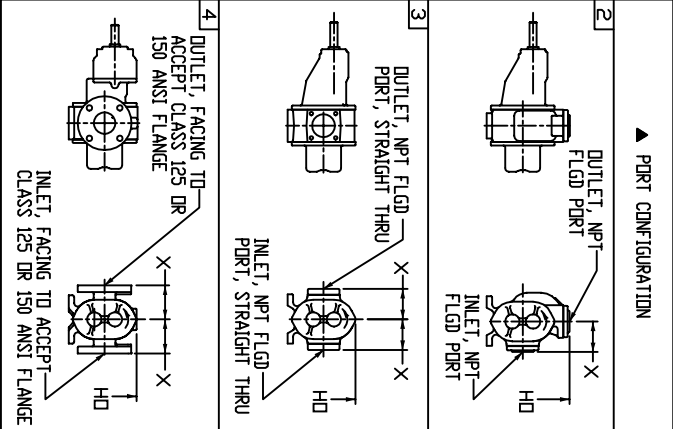
DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

3611-4722 HMB.F.RV TYPE 3
(WITH ROPER FIGURE 4125 GEAR REDUCER)



PUMP	PORT CONFIG.	PORT SIZE	X	CP	CP1	HL	APPROXIMATE PUMP WEIGHT				
							PLAIN	W/RV	H01	H02	
✓ 3611-3711 HBRV	1	2" NPT	362				65	69	14.15	14.70	
3611-3711 HBF.RV	2	2" NPT FLG	4.30				65	69	14.94	15.49	
4611-4711 HBF.RV	3	2" NPT FLG	4.17	19.32	22.92	13.69	65	69	12.84	13.39	
4611-4711 HBARV	4	2" ANSI FLG	4.73				75	79	12.84	13.39	
3617-3717 HBRV	1	2" NPT	362				83	87	14.15	14.70	
3617-3717 HBF.RV	2	2" NPT FLG	4.30				83	87	14.94	15.49	
4617-4717 HBF.RV	3	3" NPT FLG	4.41	20.07	23.67	13.69	83	87	12.84	13.39	
4617-4717 HBARV	4	3" ANSI FLG	4.73				91	95	12.84	13.39	
3622-3722 HBF.RV	2	3" NPT FLG	6.41				111	115	15.56	16.11	
4622-4722 HBF.RV	3	4" NPT FLG	4.85	21.57	25.17	14.44	111	115	12.84	13.39	
4622-4722 HBARV	4	4" ANSI FLG	5.53				117	121	12.90	13.45	

BASE/COUPLING/HARDWARE WEIGHT											
✓ MOTOR FRAME WEIGHT	11	17	22	* C	D	* HM	HA	HB	HD	2HE	HF
143T 54	150	150	150	12.56	3.50	10.88					
145T 65				12.82			15	48	9.84	12.24	23.38
182T 97	154	154	154	16.56	4.50	14.65					
184T 110				18.06							
213T 162	219	219	219	18.56	5.25	16.94					
215T 189				21.09							
254T 283	223	223	223	23.19	6.25	18.13	18	56	10.39	15	27.25
256T 290				23.19							



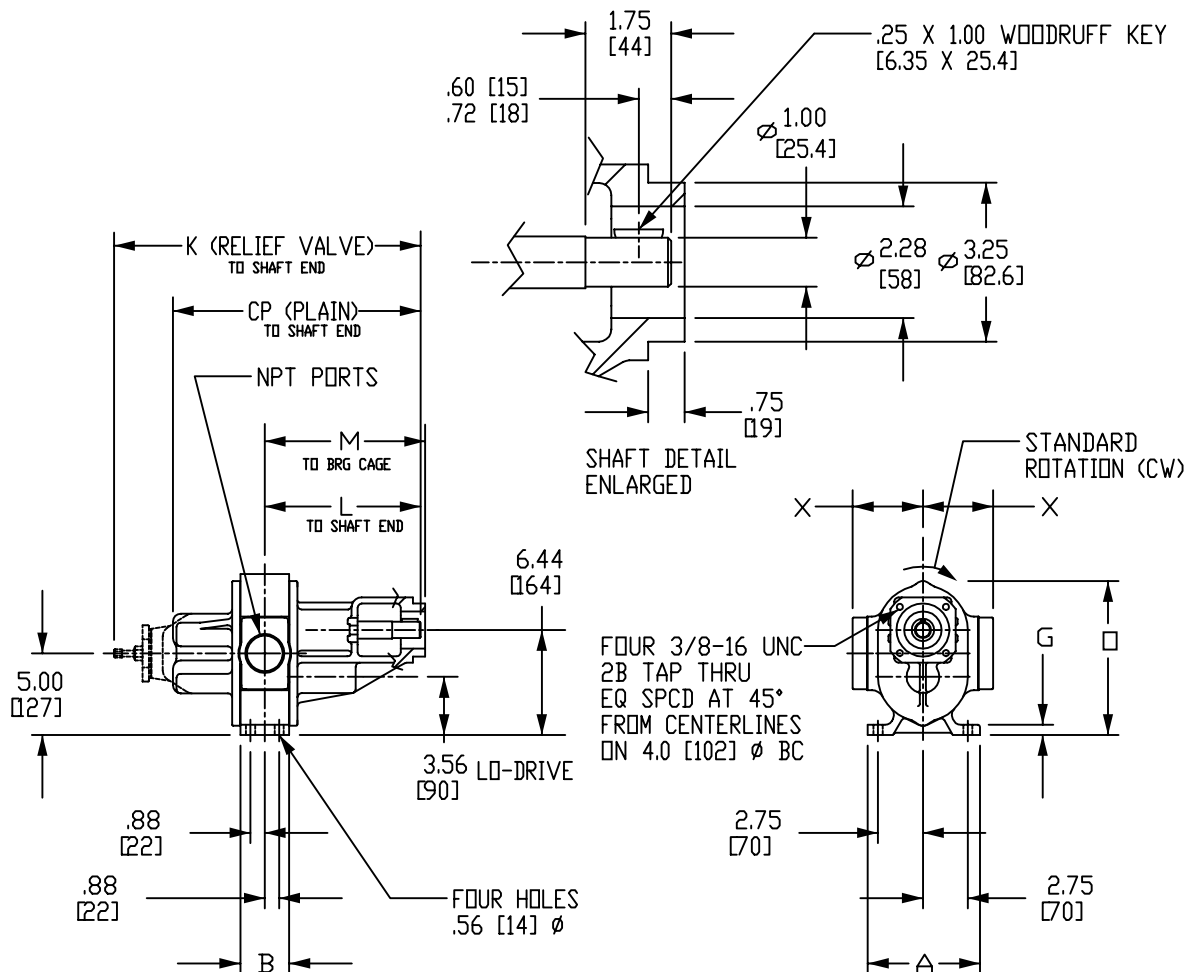
✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
FIGURE 4125 GEAR REDUCER WEIGHT - 55
LOVEJOY COUPLINGS STANDARD



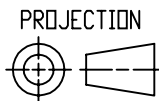
ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD WAYSVILLE RD
COMMERCE, GEORGIA 30529 USA
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

4611-4722 BHF,RV TYPE 3

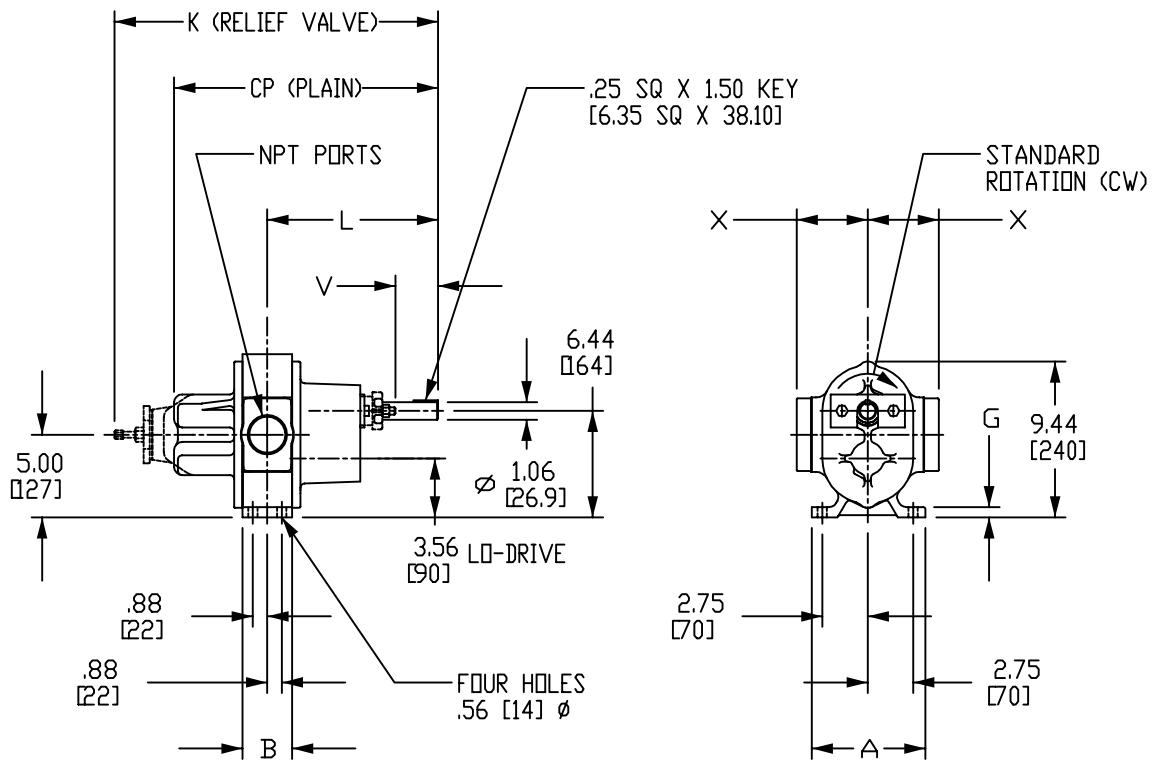


DO NOT SCALE
DIMS IN INCHES [MM]

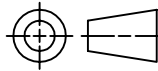


PUMP	A	B	CP	G	K	L	M	PORTS	X
4611 & 4711 BHF	6.50 [165]	3.00 [76]	15.24 [387]	.62 [16]	18.84 [478]	9.61 [244]	9.89 [251]	2" FLANGED	4.17 [106]
4611 & 4711 BHFRV									
4617 & 4717 BHF		4.50 [114]	16.74 [425]	.75 [19]	20.34 [517]	10.36 [263]	10.64 [270]	3" FLANGED	4.41 [112]
4617 & 4717 BHFRV									
4622 & 4722 BHF	7.00 [178]	3.62 [92]	18.24 [463]		21.84 [555]	11.11 [282]	11.39 [289]	4" FLANGED	4.85 [123]
4622 & 4722 BHFRV									

4611-4722 HF,RV SPEC G TYPE 3



PROJECTION

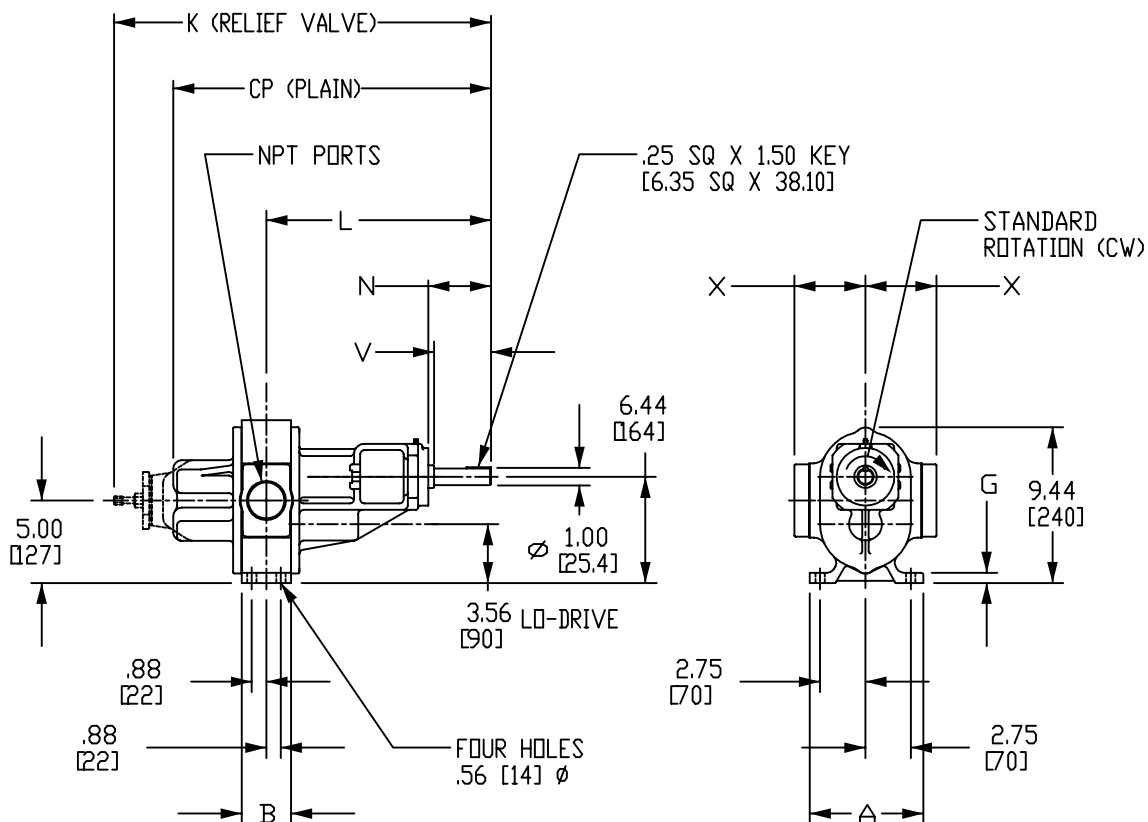


DO NOT SCALE
DIMS IN INCHES [MM]

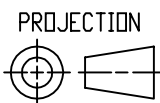
▲ PACKED BOX
★ MECH SEAL

PUMP	A	B	CP	G	K	L	PORTS	V		X
4611 & 4711 HF	6.50 [165]	3.00	15.97	.62	19.57	10.34 [263]	2" FLANGED	2.58	4.18	4.17
4611 & 4711 HFRV		[76]	[406]	[16]	[497]			[66]	[106]	[106]
4617 & 4717 HF		4.50	16.72	.75 [19]	20.33		3" FLANGED	1.83	3.43	4.41
4617 & 4717 HFRV		[114]	[425]		[516]			[47]	[87]	[112]
4622 & 4722 HF	7.00	3.62	18.59	[19]	22.19	11.46	4" FLANGED	2.20	3.80	4.85
4622 & 4722 HFRV	[178]	[92]	[472]		[564]	[291]			[56]	[96]

4611-4722 HBF,RV TYPE 3



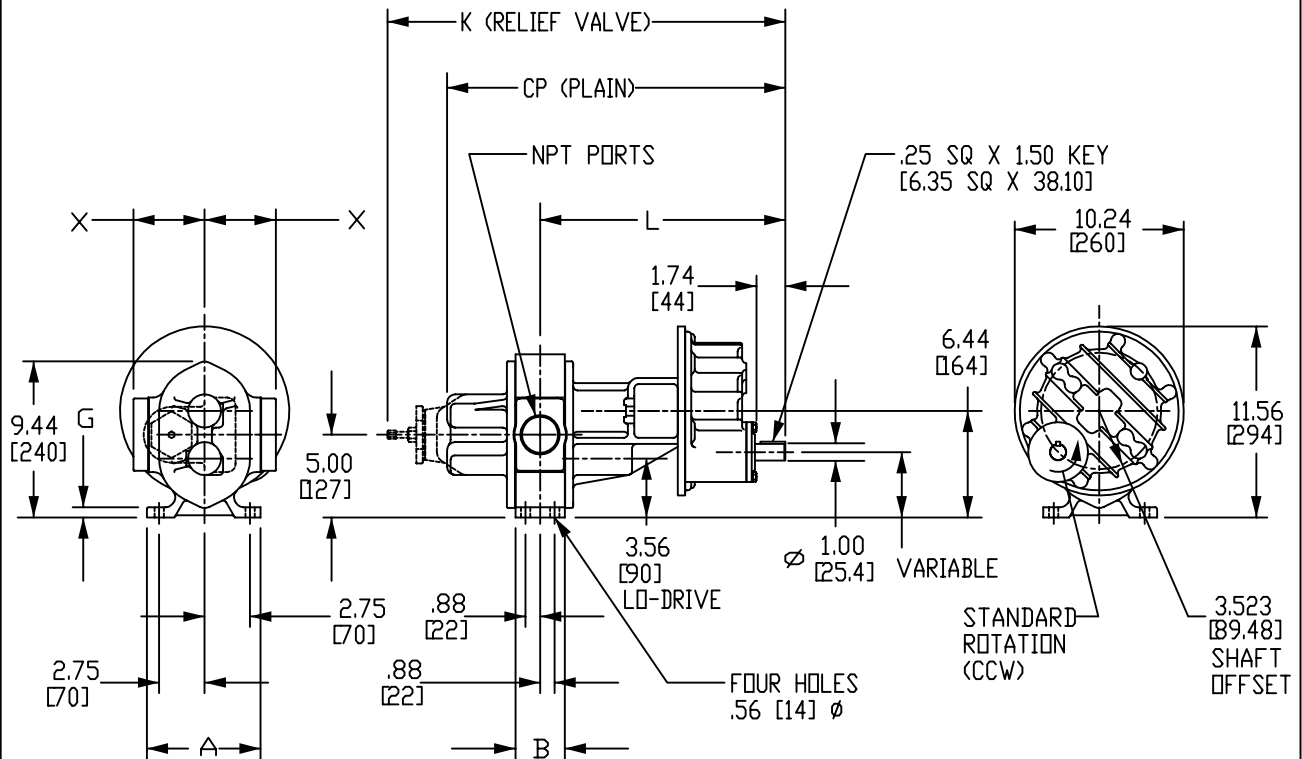
DO NOT SCALE
DIMS IN INCHES [MM]



N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

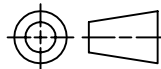
PUMP	A	B	CP	G	K	L	N	PORTS	V	X
4611 & 4711 HBF	6.50 [165]	3.00 [76]	19.32 [491]	.62 [16]	22.92 [582]	13.69 [348]	3.80 [97]	2' FLANGED	3.45 [88]	4.17 [106]
4611 & 4711 HBF RV										
4617 & 4717 HBF		4.50 [114]	20.07 [510]	.75 [19]	23.67 [610]	3.05 [77]	3' FLANGED	2.70 [69]	4.41 [112]	4.85 [123]
4617 & 4717 HBF RV										
4622 & 4722 HBF	7.00 [178]	3.62 [92]	21.57 [548]		25.17 [639]	14.44 [367]	4' FLANGED			
4622 & 4722 HBF RV										

4611-4722 GHBF,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

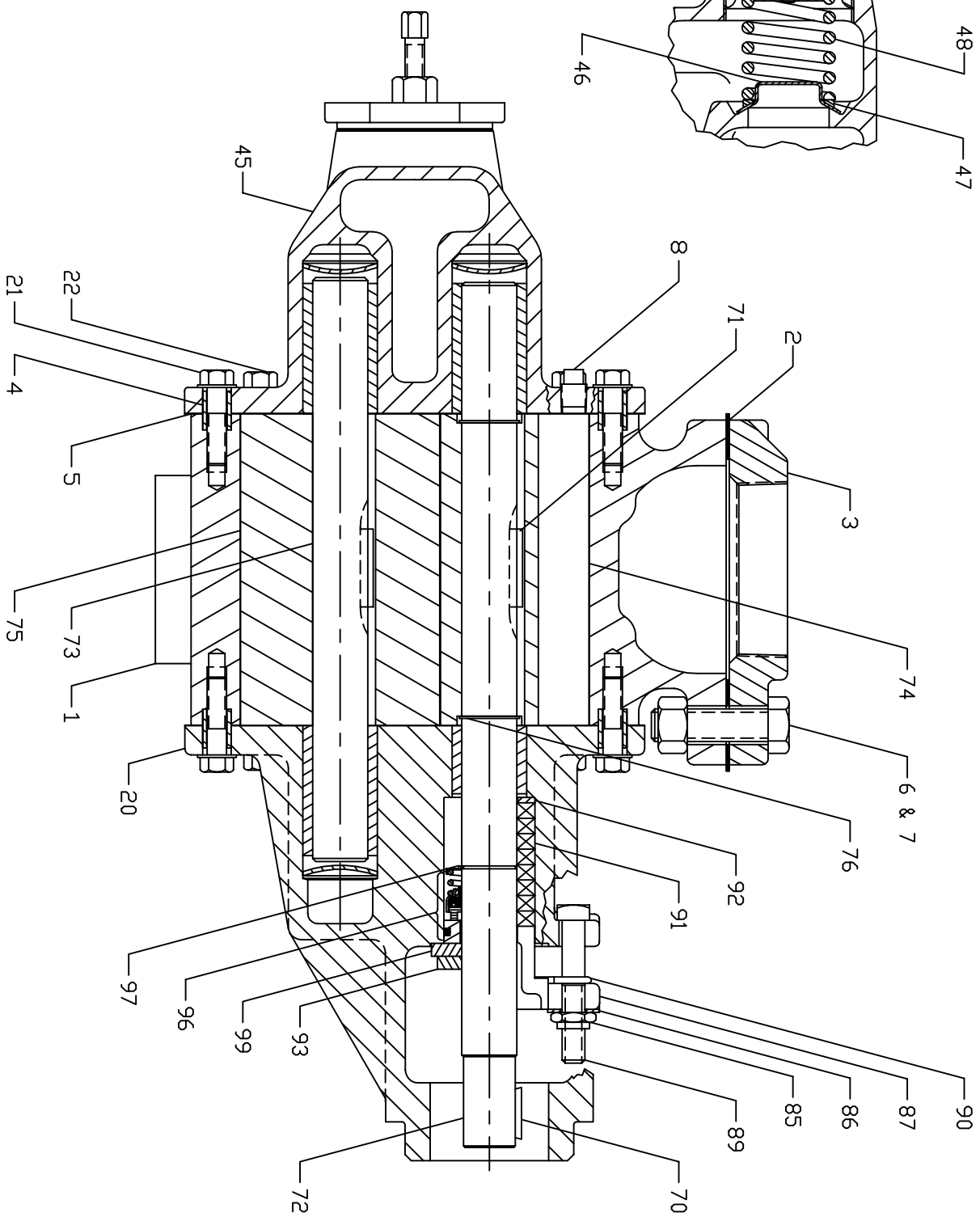
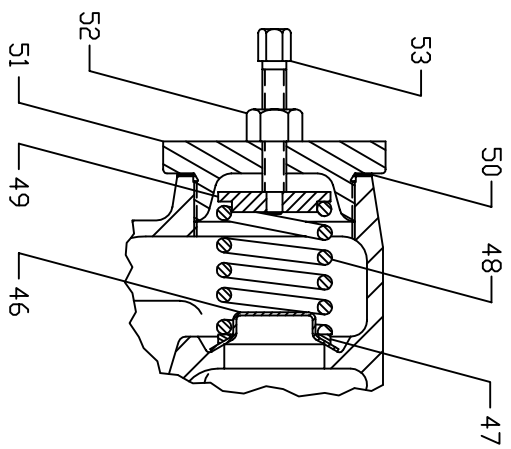
PROJECTION



DO NOT SCALE
DIMS IN INCHES [MM]

N = SHAFT END TO BRG CAGE
V = FREE SHAFT LENGTH

PUMP	A	B	CP	G	K	L	PORTS	X
4611 & 4711 GHBF	6.88 [175]	3.00 [76]	20.47 [596]	.62 [16]	24.07 [611]	14.83 [377]	2" FLANGED	4.30 [109]
4611 & 4711 GHBF RV								
4617 & 4717 GHBF	6.88 [175]	3.50 [89]	21.97 [558]	.75 [19]	25.57 [649]	15.58 [396]	3" FLANGED	4.30 [109]
4617 & 4717 GHBF RV								
4622 & 4722 GHBF	7.00 [178]	3.62 [92]	23.47 [596]		27.07 [688]	16.33 [415]	4" FLANGED	6.41 [163]
4622 & 4722 GHBF RV								



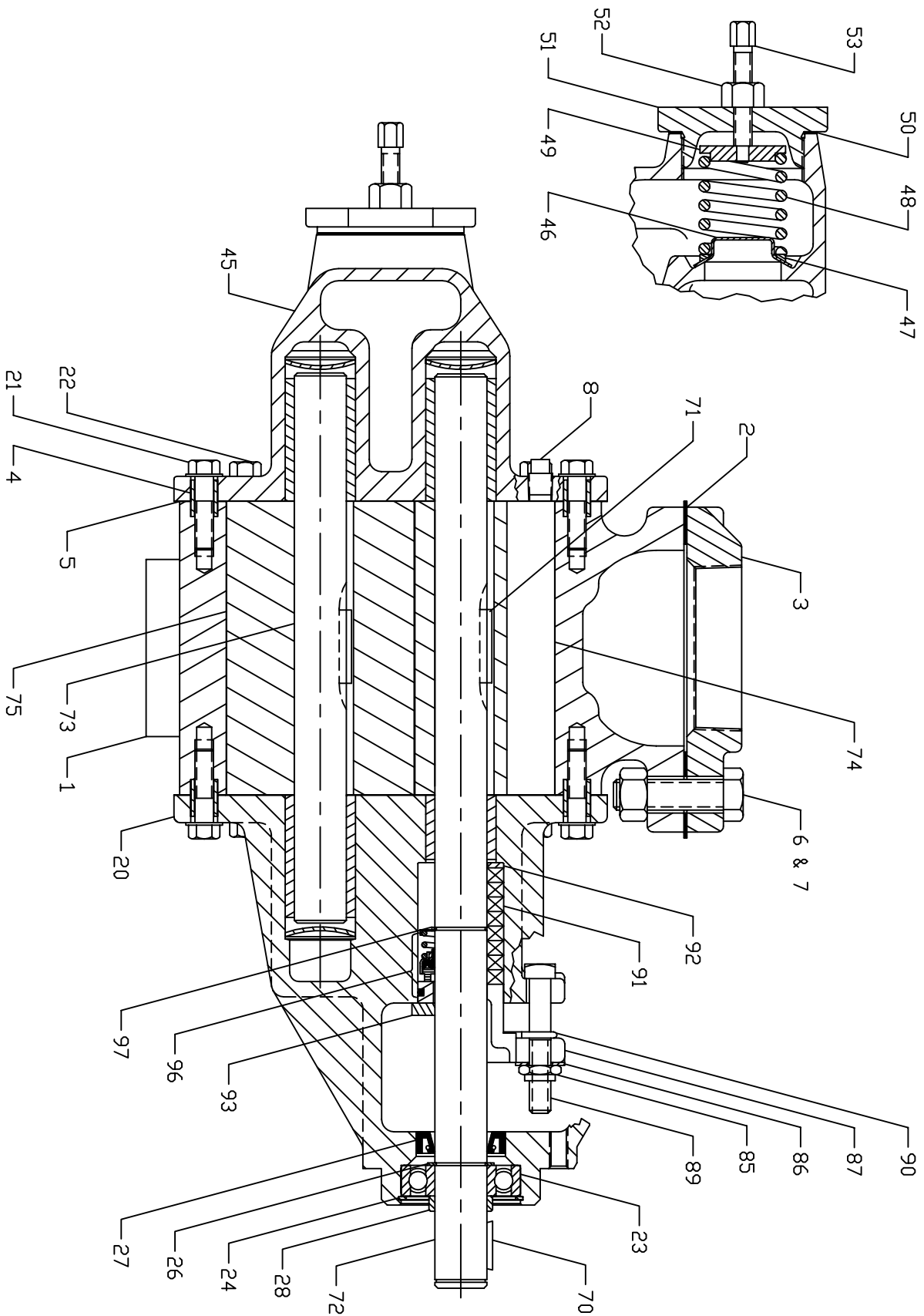
3611-4722 BH,F,RV

3611-4722 BH,F,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx BH)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx BHF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx BHF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1312	1	N2-1312	1	N2-1312
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-32	1	D30-32	1	D30-32
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2424	1	D1-2425	1	D1-2426
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-418	1	P6-414	1	P6-430
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
76	Ret Ring	2	G41-108	2	G41-108	2	G41-108
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76
99	Seal Locator Ring	1	D8-443	1	D8-443	1	D8-443

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



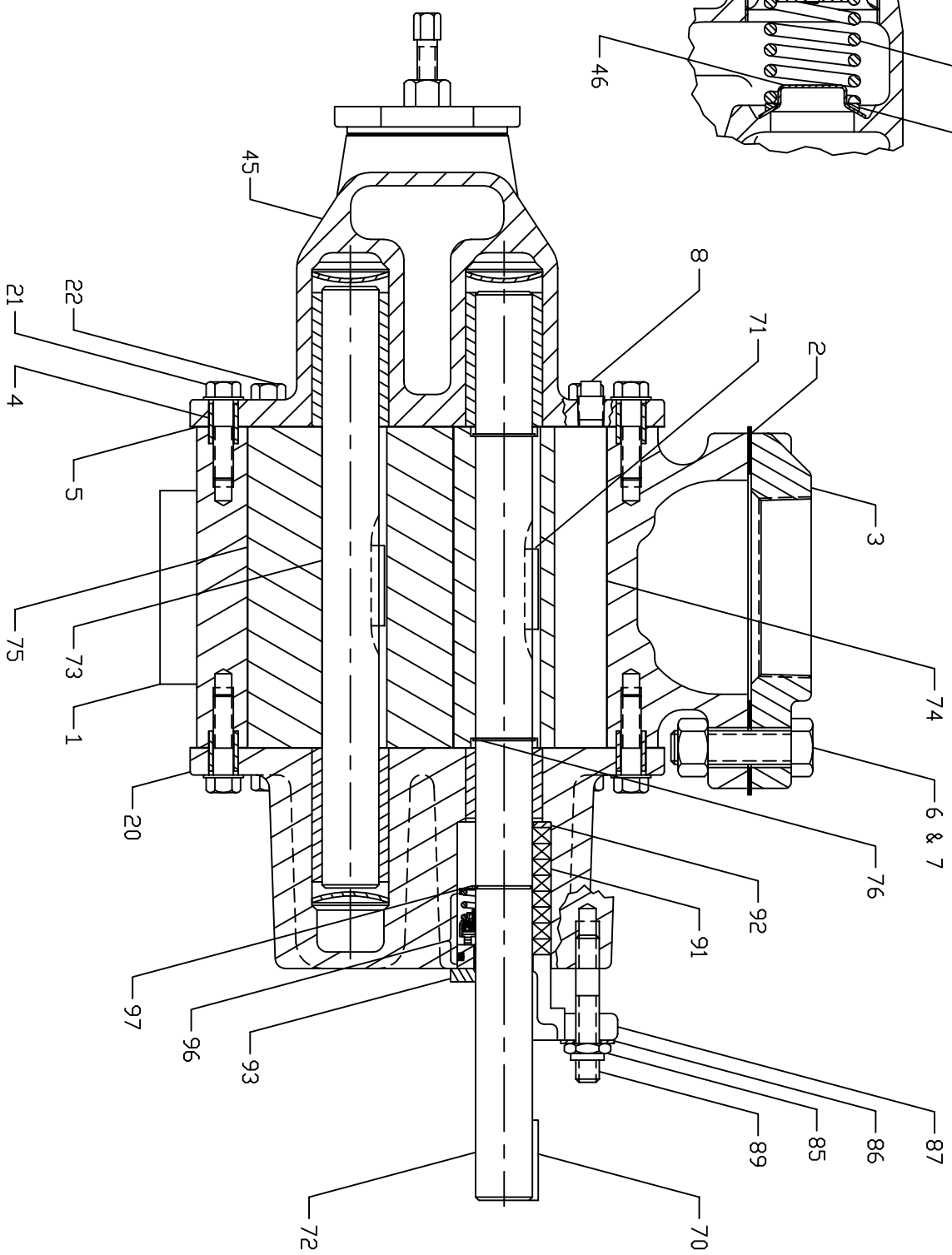
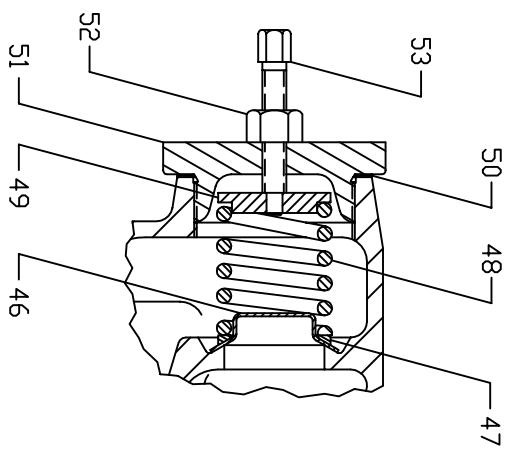
3611-4722 GHB,F,D,RV

3611-4722 GHB,F,O,RV

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx GHB)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx GHBF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx GHBF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-406	1	N2-406	1	N2-406
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
23	Ball Brg	1	G40-147	1	G40-147	1	G40-147
24	Ret Ring	1	G41-20	1	G41-20	1	G41-20
26	Ret Ring	1	G41-76	1	G41-76	1	G41-76
27	Lip Seal	1	D83-5	1	D83-5	1	D83-5
28	Spacer	1	D45-100	1	D45-100	1	D45-100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-32	1	D30-32	1	D30-32
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2074	1	D1-2075	1	D1-2001
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-276	1	P6-274	1	P6-278
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



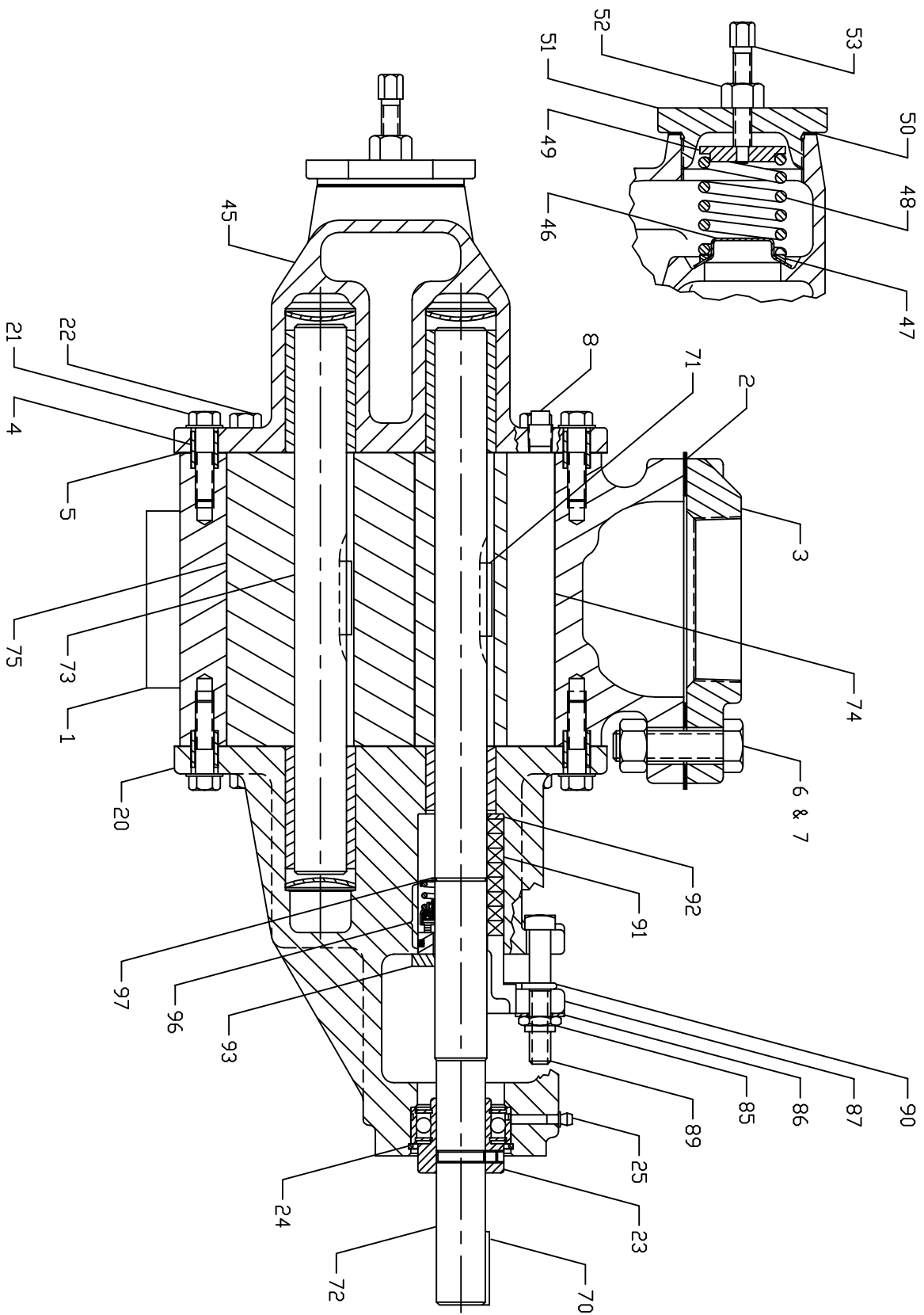
3611-4722 H,F,RV

3611-4722 H,F,RV SPEC G

KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx H)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx HF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx HF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1012	1	N2-1012	1	N2-1012
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-9	1	D30-9	1	D30-9
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2093	1	D1-2097	1	D1-2099
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-418	1	P6-414	1	P6-430
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
76	Ret Ring	2	G41-108	2	G41-108	2	G41-108
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Stud, Pkg	2	D22-245	2	D22-245	2	D22-245
	Hex Hd Cap Screw, Mech Seal	2	G49-043100	2	G49-043100	2	G49-043100
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



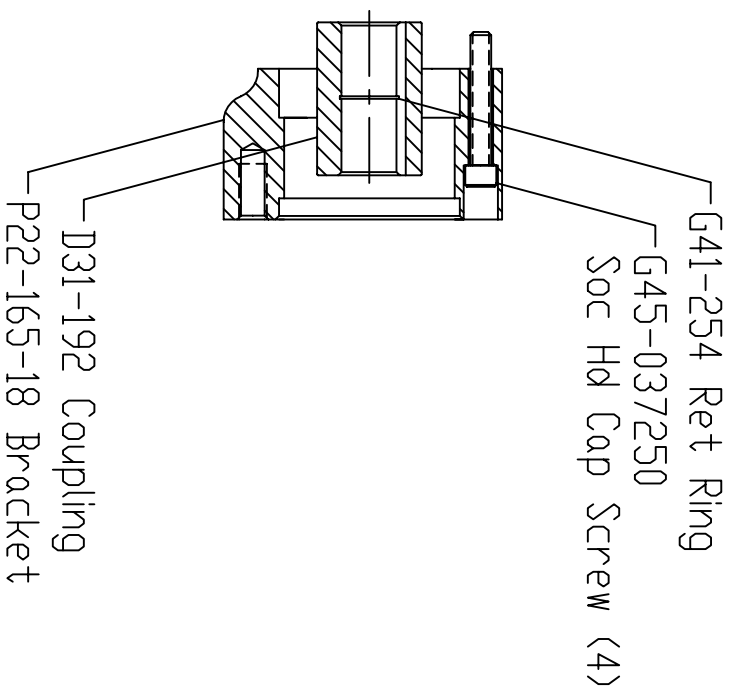
3611-4722 HB,F,RV

3611-4722 HB,F,RV

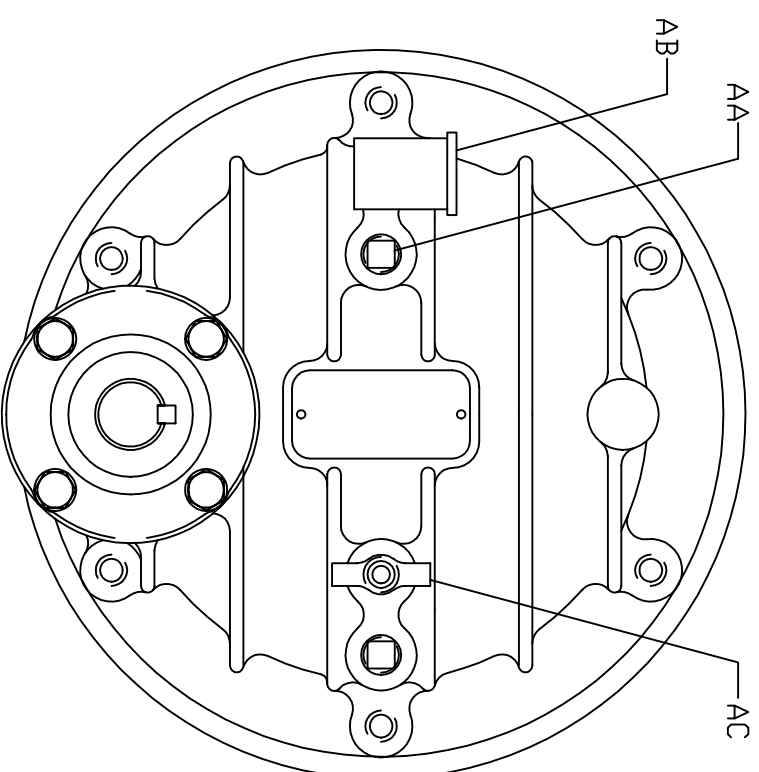
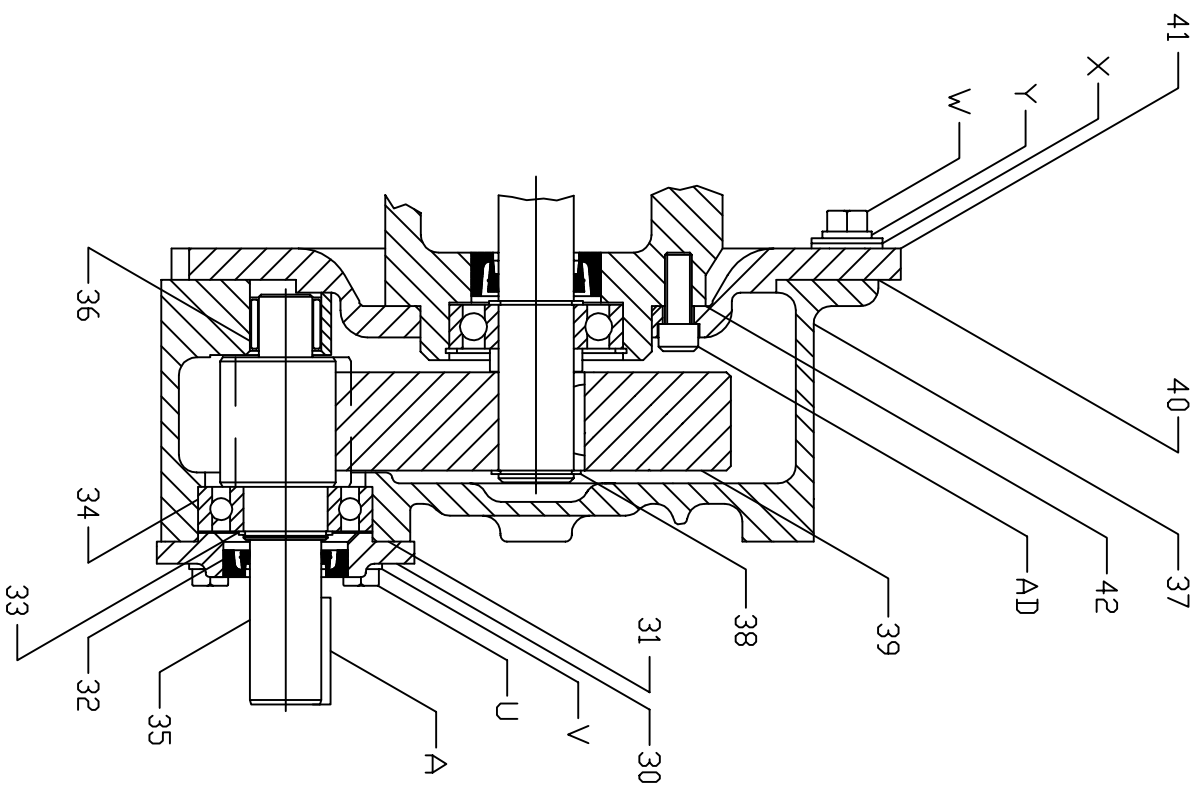
KEY NO.	DESCRIPTION	3611-4711		3617-4717		3622-4722	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx HB)	1	P1-178	1	P1-177	1	N/A
	Case (36xx-37xx HBF)	1	P1-401	1	P1-402	1	P1-175
	Case (46xx-47xx HBF)	1	P1-170	1	P1-181	1	P1-171
2	Gasket, Flange	2	D11-333	2	D11-332	2	D11-90
3	Flange (36xx-37xx)	2	P23-30	2	P23-12	2	P23-10
	Flange (46xx-47xx)	2	P23-30	2	P23-35	2	P23-19
4	Dowel Pin	4	D48-34	4	D48-34	4	D48-34
5	Case Gasket	2	D11-338	2	D11-338	2	D11-338
6	Hex Hd Cap Screw	8	G49-050150	8	G49-050125	8	G49-062225
7	Nut, Flange		N/A		N/A	8	G44-062
8	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-403	1	N2-403	1	N2-403
21	Washer Hd Cap Screw	4	G49-24	4	G49-24	4	G49-24
22	Hex Hd Cap Screw	16	G49-037100	16	G49-037100	16	G49-037100
23	Ball Brg	1	G40-41	1	G40-41	1	G40-41
24	Ret Ring	1	G41-10	1	G41-10	1	G41-10
25	Lube Ftg	1	G63-1	1	G63-1	1	G63-1
45	Faceplate Assy, Plain, Brz Brgs	1	N3-177	1	N3-177	1	N3-177
	Faceplate Assy, RV, Brz Brgs	1	N3-200	1	N3-200	1	N3-200
46	Poppet	1	D16-16	1	D16-16	1	D16-16
47	Adapter	1	G8-281	1	G8-281	1	G8-281
48	Spring, Std Press	1	G10-355	1	G10-355	1	G10-355
	Spring, High Press	1	G10-375	1	G10-375	1	G10-375
49	Spring Guide	1	D8-348	1	D8-348	1	D8-348
50	Gasket, RV Cap	1	D828-41	1	D828-41	1	D828-41
51	RV Cap	1	P17-110	1	P17-110	1	P17-110
52	Nut, Lock & Seal	1	G43-18	1	G43-18	1	G43-18
53	Adjusting Screw	1	G62-44	1	G62-44	1	G62-44
70	Key, Drive	1	D30-9	1	D30-9	1	D30-9
71	Key, Gear	2	D30-9	2	D30-9	2	D30-9
72	Drive Shaft	1	D1-2072	1	D1-2073	1	D1-1998
73	Idler Shaft	1	D1-1098	1	D1-1100	1	D1-1077
74	Gear, LH	1	P6-276	1	P6-274	1	P6-278
75	Gear, RH	1	P6-275	1	P6-273	1	P6-277
85	Locknut	2	D441-755	2	D441-755	2	D441-755
86	Pkg Gland Clip	2	D42-1	2	D42-1	2	D42-1
87	Pkg Gland	1	P10-178	1	P10-178	1	P10-178
89	Sq Hd Bolt, Pkg	2	G67-043250	2	G67-043250	2	G67-043250
	Sq Hd Bolt, Mech Seal	2	G67-043125	2	G67-043125	2	G67-043125
90	Spring Clip	1	D42-2	1	D42-2	1	D42-2
91	Pkg Set	1	N43-1	1	N43-1	1	N43-1
92	Pkg Washer	1	G8-246	1	G8-246	1	G8-246
93	Seal Retainer	1	D23-252	1	D23-252	1	D23-252
96	Mech Seal, Complete	1	G4-101	1	G4-101	1	G4-101
97	Ret Ring	1	G41-76	1	G41-76	1	G41-76

Backplate Assy includes Brz Brgs: (1) G5-257 and (1) G5-258

Faceplate Assy includes Brz Brgs: (2) G5-257



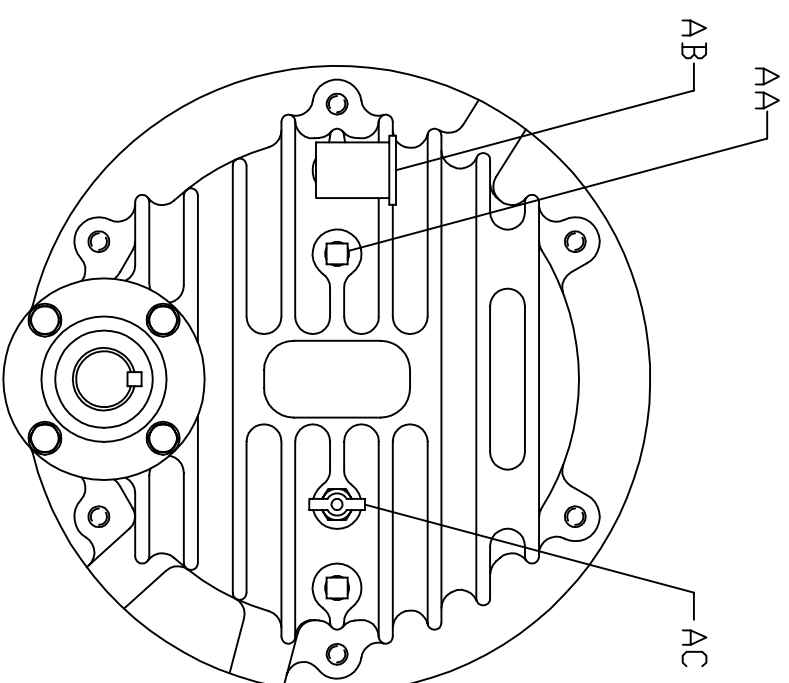
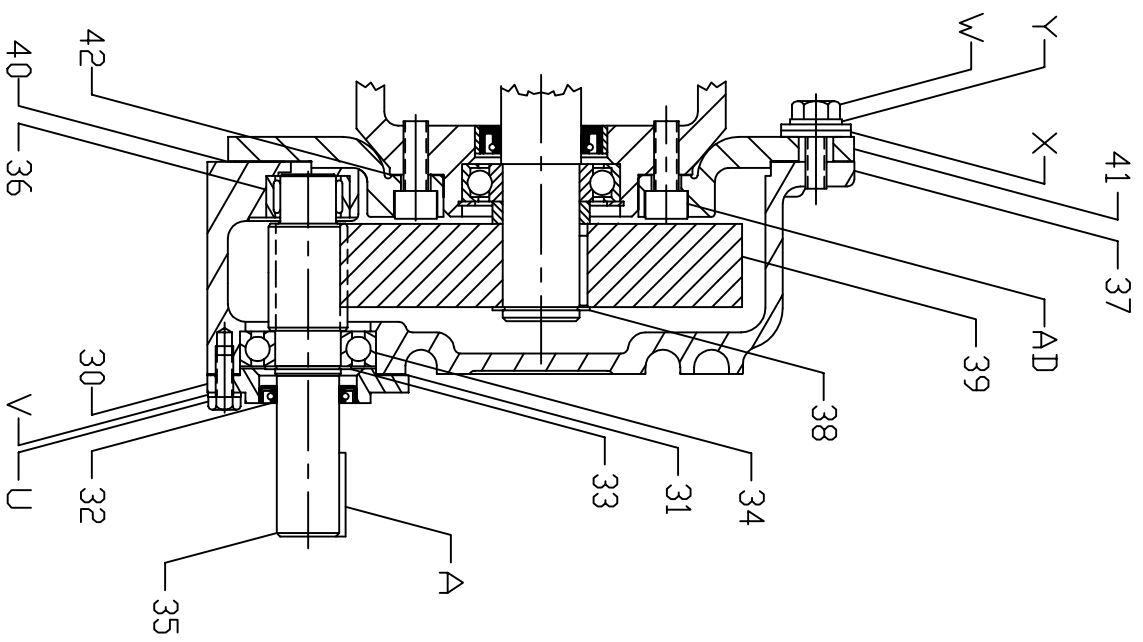
3611-4722 MBH,F,RV
COUPLING ASSEMBLY



N41-1

N41-XXX-1

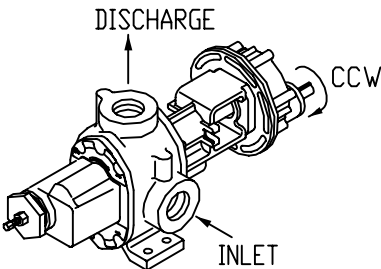
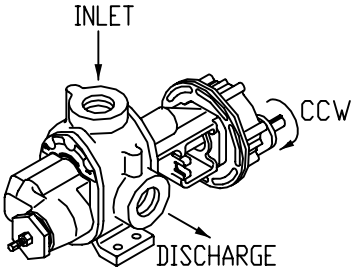
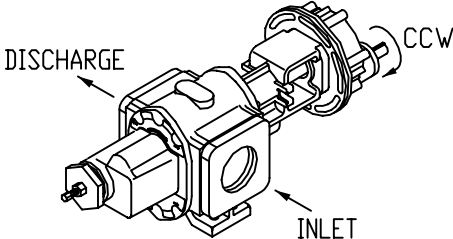
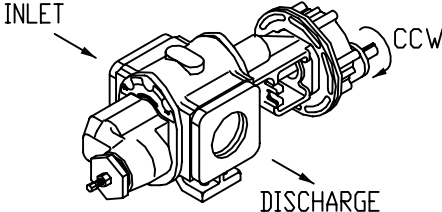
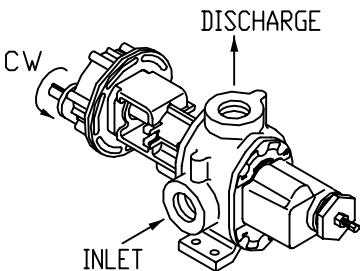
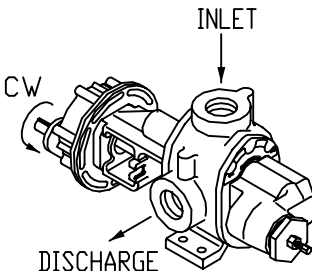
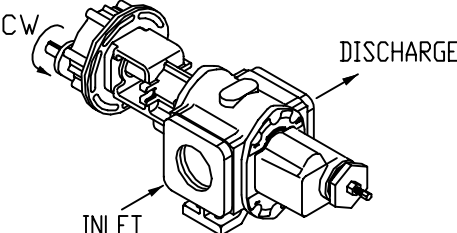
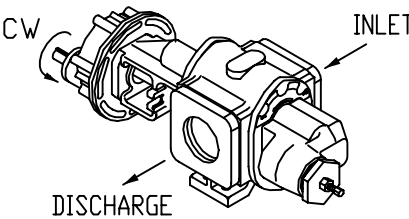
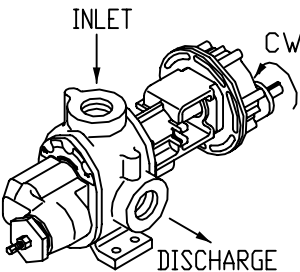
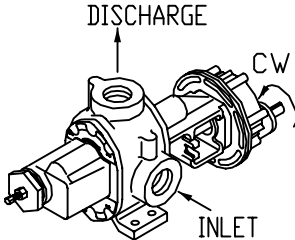
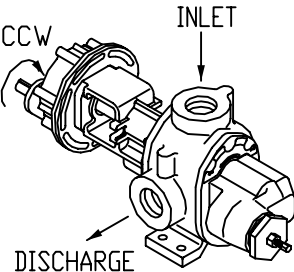
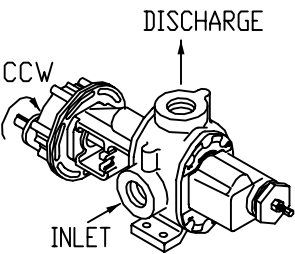
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		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	D83-22	1	D83-22	1	D83-22
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-120	1	D37-117	1	D37-115
36	Needle Bearing	1	G40-30	1	G40-30	1	G40-30
37	Gear Case	1	P49-2	1	P49-2	1	P49-2
38	Retaining Ring	1	G41-76	1	G41-76	1	G41-76
39	Drive Gear	1	D37-64	1	D37-67	1	D37-69
40	Gear Case Gasket	1	D11-278	1	D11-278	1	D11-278
41	Gear Box Cover	1	P22-13	1	P22-13	1	P22-13
42	Cover Gasket	1	D11-276	1	D11-276	1	D11-276
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cup	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-037100	4	G45-037100	4	G45-037100
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-037125	6	G49-037125	6	G49-037125
X	Flat Washer	12	G8-52	12	G8-52	12	G8-52
Y	Lockwasher	6	G8-72	6	G8-72	6	G8-72



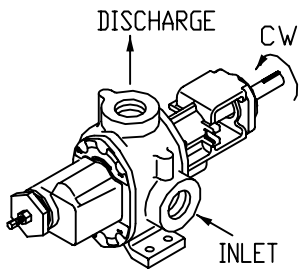
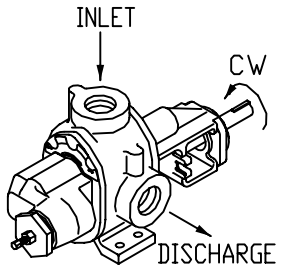
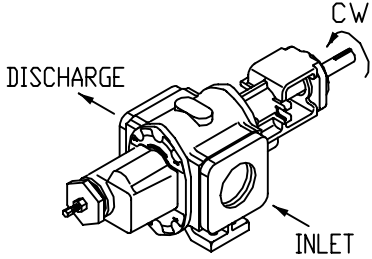
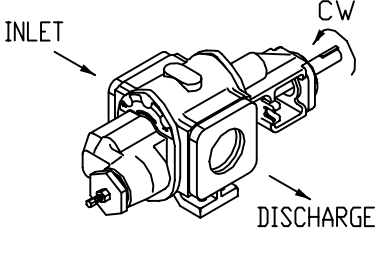
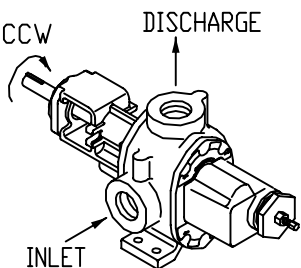
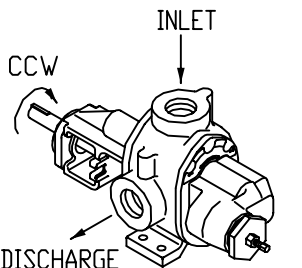
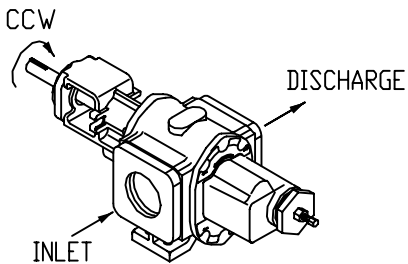
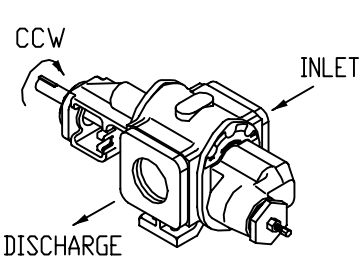
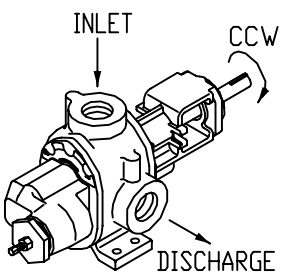
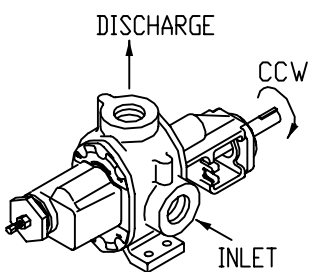
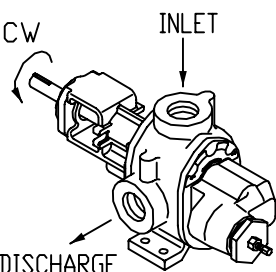
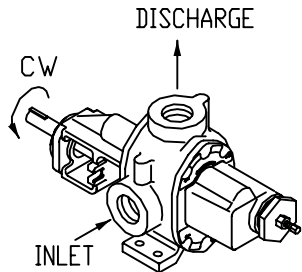
N41-3

N41-XXX-3

KEY NO.	DESCRIPTION	N41-426-3		N41-488-3		N41-566-3	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	G17-84	1	G17-84	1	G17-84
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-119	1	D37-118	1	D37-116
36	Needle Bearing	1	G40-51	1	G40-51	1	G40-51
37	Gear Case	1	P49-6	1	P49-6	1	P49-6
38	Retaining Ring	1	G41-80	1	G41-80	1	G41-80
39	Drive Gear	1	D37-91	1	D37-93	1	D37-95
40	Gear Case Gasket	1	D11-305	1	D11-305	1	D11-305
41	Gear Box Cover	1	P22-25	1	P22-25	1	P22-25
42	Cover Gasket	1	D11-304	1	D11-304	1	D11-304
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cap	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-050125	4	G45-050125	4	G45-050125
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-050125	6	G49-050125	6	G49-050125
X	Flat Washer	12	G8-54	12	G8-54	12	G8-54
Y	Lockwasher	6	G8-74	6	G8-74	6	G8-74

	W		LW	
3X11-3X22				
4X11-4X22				
	Z		LZ	
3X11-3X22				
4X11-4X22				
	X	LX	Y	LY
3X11-3X22				

DIRECTION OF ROTATION FOR 3611 TO 4722 GHB PUMP USING RELIEF VALVE

	W		LW	
3X11-3X22				
4X11-4X22				
	Z		LZ	
3X11-3X22				
4X11-4X22				
	X	LX	Y	LY
3X11-3X22				

DIRECTION OF ROTATION FOR 3611 TO 4722 H AND HB PUMP USING RELIEF VALVE



There must be
3600 easy ways
to put these
ultra-reliable
workhorses
to use.

Trouble-Free Versatility



Applications

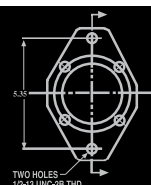
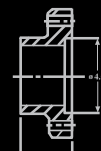
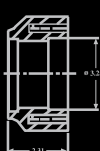
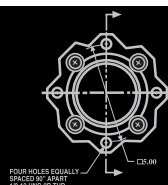
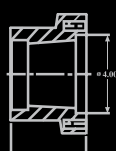
- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

Features

- Heavy duty cast iron helical gear pumps
- Bi-directional, self-priming
- Differential pressures to 125psi
- Up to 340gpm
- Standard operation up to 212F
- Can be built to operate up to 500F
- Maintenance-free durability

Options

- Through ports or angled ports; 2-sided or top and side configuration
- Threaded ports or flanged, tapped port connections
- Integral relief valve and integral gear reducer
- Outboard bearing, depending on drive and seal arrangements



3600 Series

Visit Us On The WorldWide Web
www.roperpumps.com

Pump Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
3611/3711	.11GPR(416.4 CC.REV)	750RPM	82.5GPM (18.6M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
4611/4711	.11GPR(416.4 CC.REV)	750RPM	82.5GPM (18.6M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
3617/3717	.17GPR(643.5 CC.REV)	750RPM	127.5GPM (28.8M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
4617/4717	.17GPR(643.5 CC.REV)	750RPM	127.5GPM (28.8M ³ /HR)	125 PSI (8.6Bar)	2"NPT"
3622/3722	.22GPR(832.8 CC.REV)	750RPM	165GPM (37.2M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
4622/4722	.22GPR(832.8 CC.REV)	750RPM	165GPM (37.2M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
3635/3735	.37GPR(1400.6 CC.REV)	600RPM	222GPM (50.4M ³ /HR)	125 PSI (8.6Bar)	3"NPT"
4638/4738	.38GPR(1438.4 CC.REV)	900RPM	342GPM (77.4M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
3648/3748	.52GPR(1968.4 CC.REV)	900RPM	468GPM (106.2M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
3658/3758	.60GPR(2271.2 CC.REV)	600RPM	360GPM (81.6M ³ /HR)	125 PSI (8.6Bar)	4"NPT"
4658/4758	.58GPR(2195.53 CC.REV)	600RPM	348GPM (79.2M ³ /HR)	125 PSI (8.6Bar)	4"NPT"

Materials of Construction

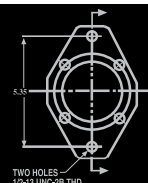
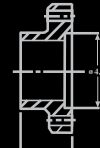
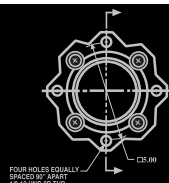
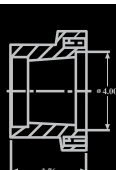
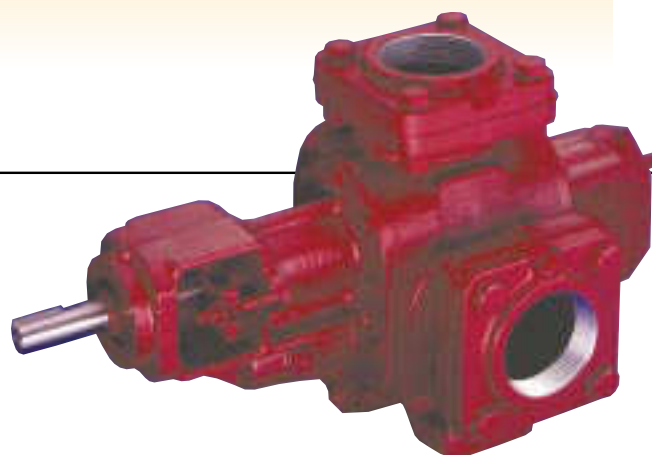
Housing	Gears	Bearings	Shaft
• Cast Iron	• Hardened Steel	• Bronze	• Steel
Options	• Stainless Steel	• Iron	• Stainless Steel
		• Carbon	

Key Features

- Right angle or thru port design
- Bi-directional rotation
- Steam jackets available
- Flange or foot mounted configurations

Options

- Integral gear reducer
- Bearing materials
- Packing or seals available
- Internal relief valve





3600 Series Nomenclature:

First digit indicates port orientation

3 has the ports located at 90^0 i.e.: Top and side locations.

4 has the ports located at 180^0 i.e.: side and side locations.

Second digit identifies the sealing arrangement

6 is for packing

7 is for mechanical seal

Sizes Available

11 provides .11gpr

17 provides .17gpr

22 provides .23/.22gpr

35 provides .37gpr

38 provides .38gpr

48 provides .52gpr

58 provides .58/.60gpr

Drive Arrangements

H - Pump head without outboard bearing.

HB - Pump head with outboard bearing.

GHB - Pump head with outboard bearing and built-on gear reduction unit.

F - Pump with flanged ports.

Example: **3611HBF**

1st number (3): 90^0 ports

2nd number (6): packing seal

3rd number (11): .11 gallons per revolutions

HB: pump head with outboard bearing

F: flanged ports



4668-4699 Series Nomenclature:

The nomenclature is the same as the other 3600 Series pumps, with there only being two sizes:

68 provides 0.68gpr

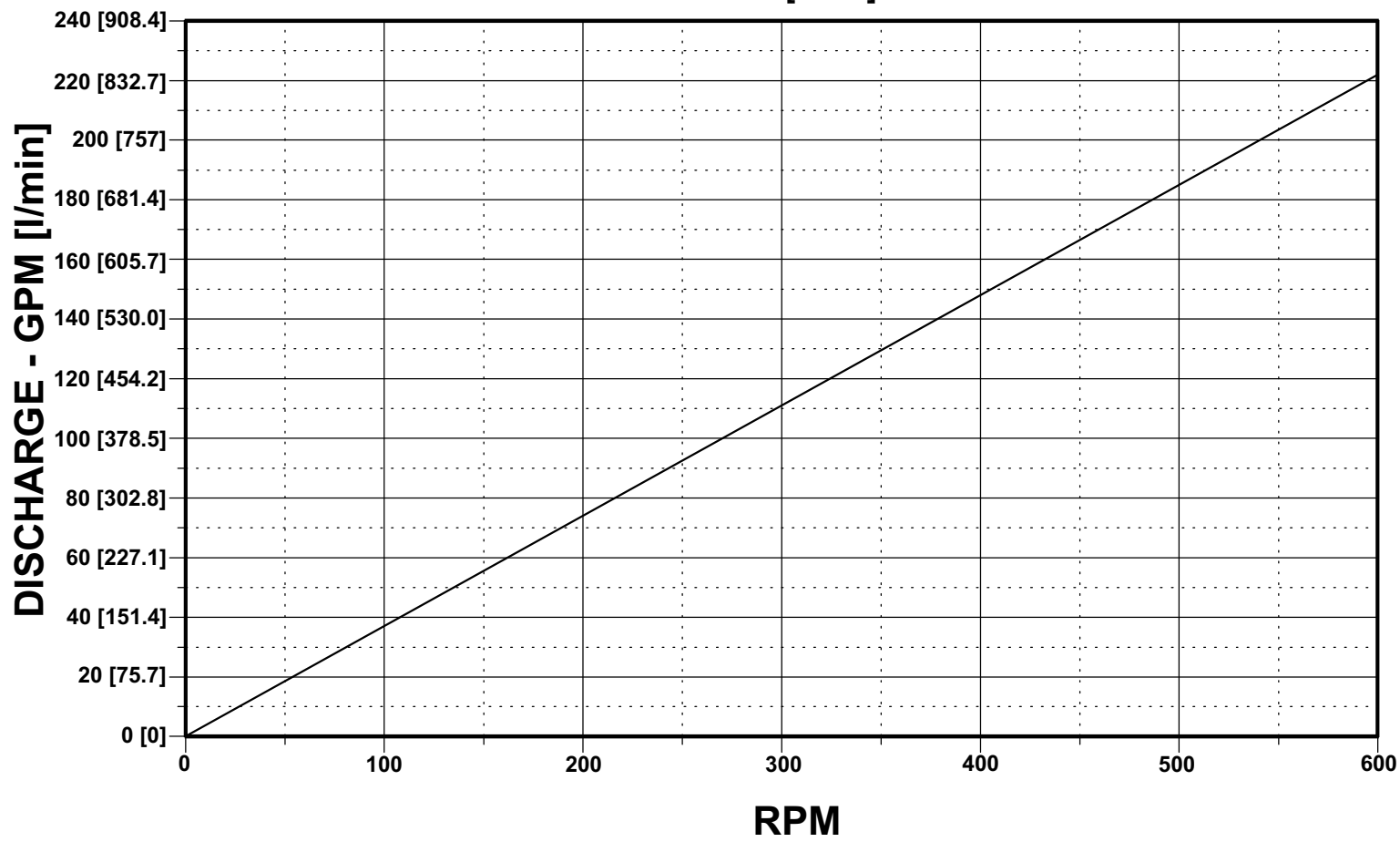
99 provides 0.99gpr

SERIES: 3635, 3735

GRAPH 1

THEORETICAL GPM

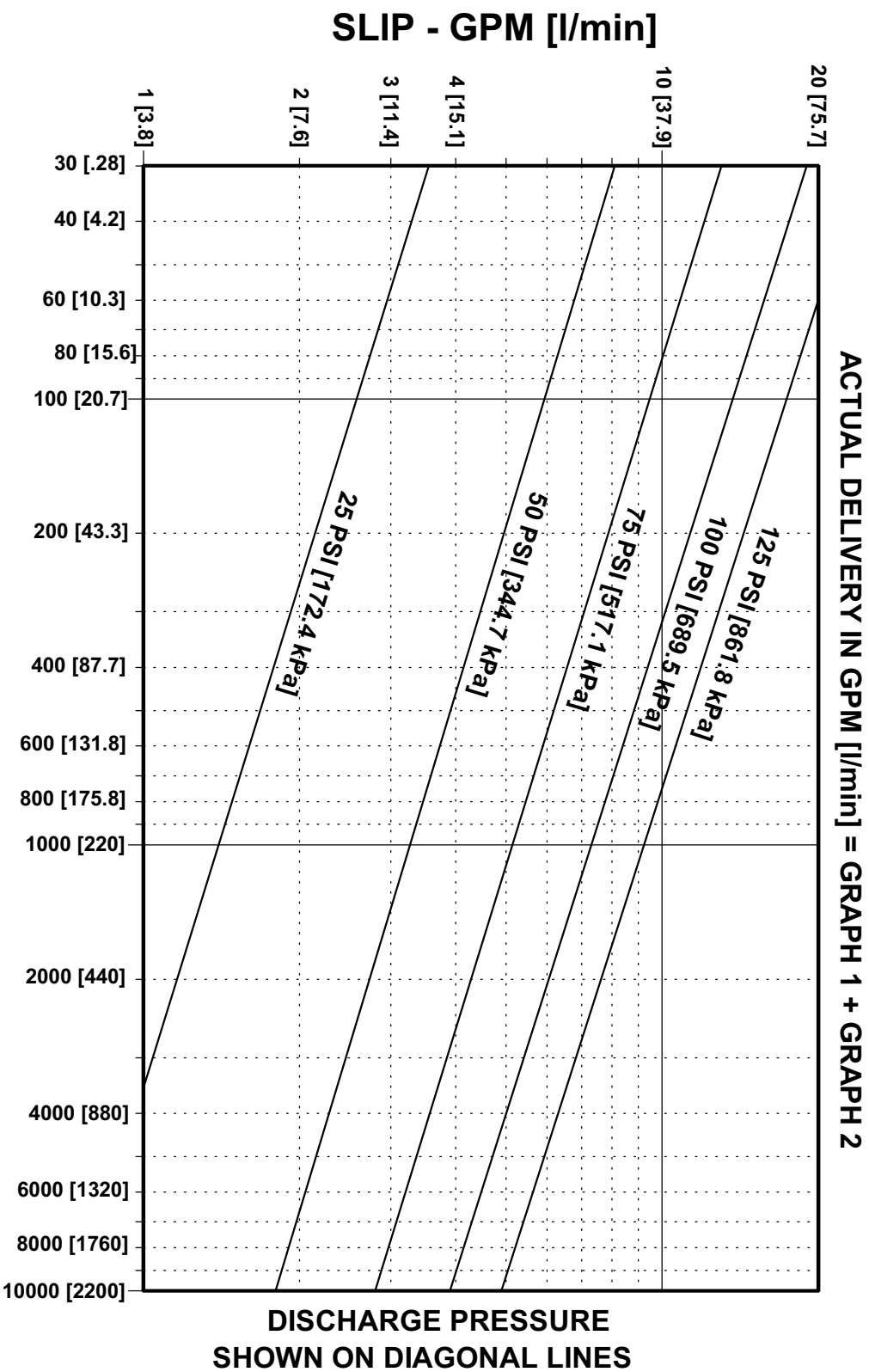
ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 + GRAPH 2



SERIES: 3635, 3735

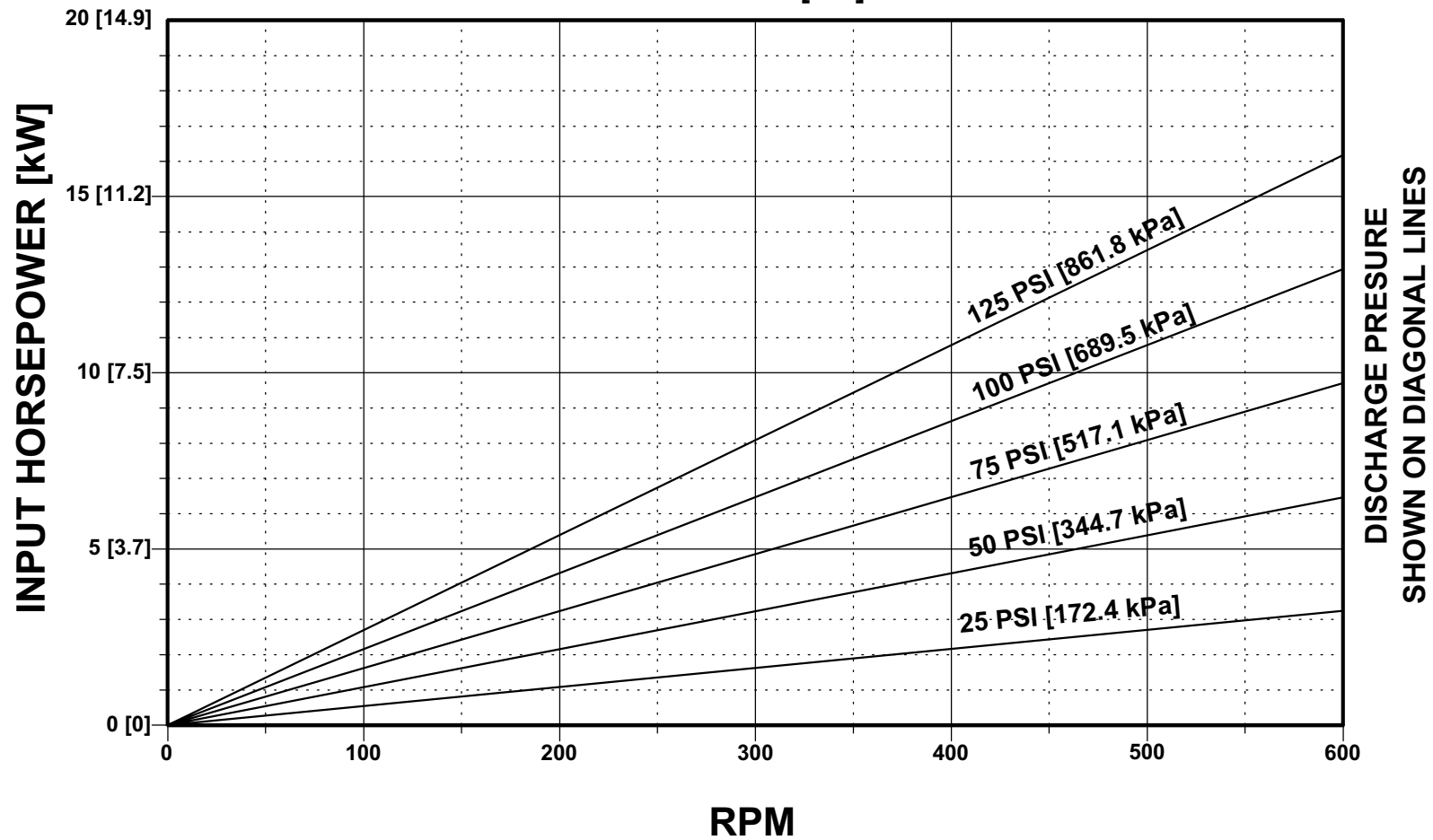
GRAPH 2

SLIP



SERIES: 3635, 3735
GRAPH 3
INPUT HORSEPOWER

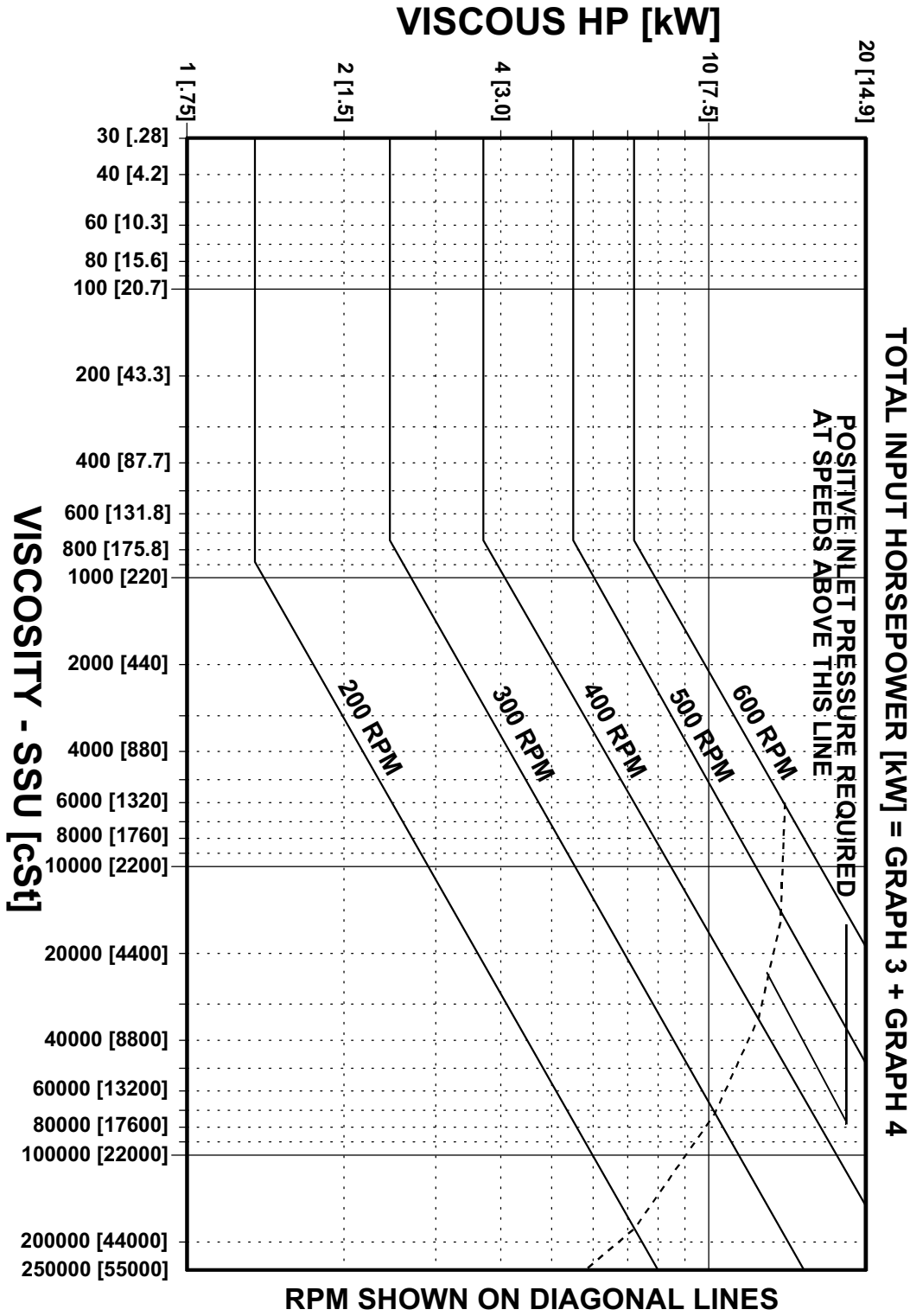
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



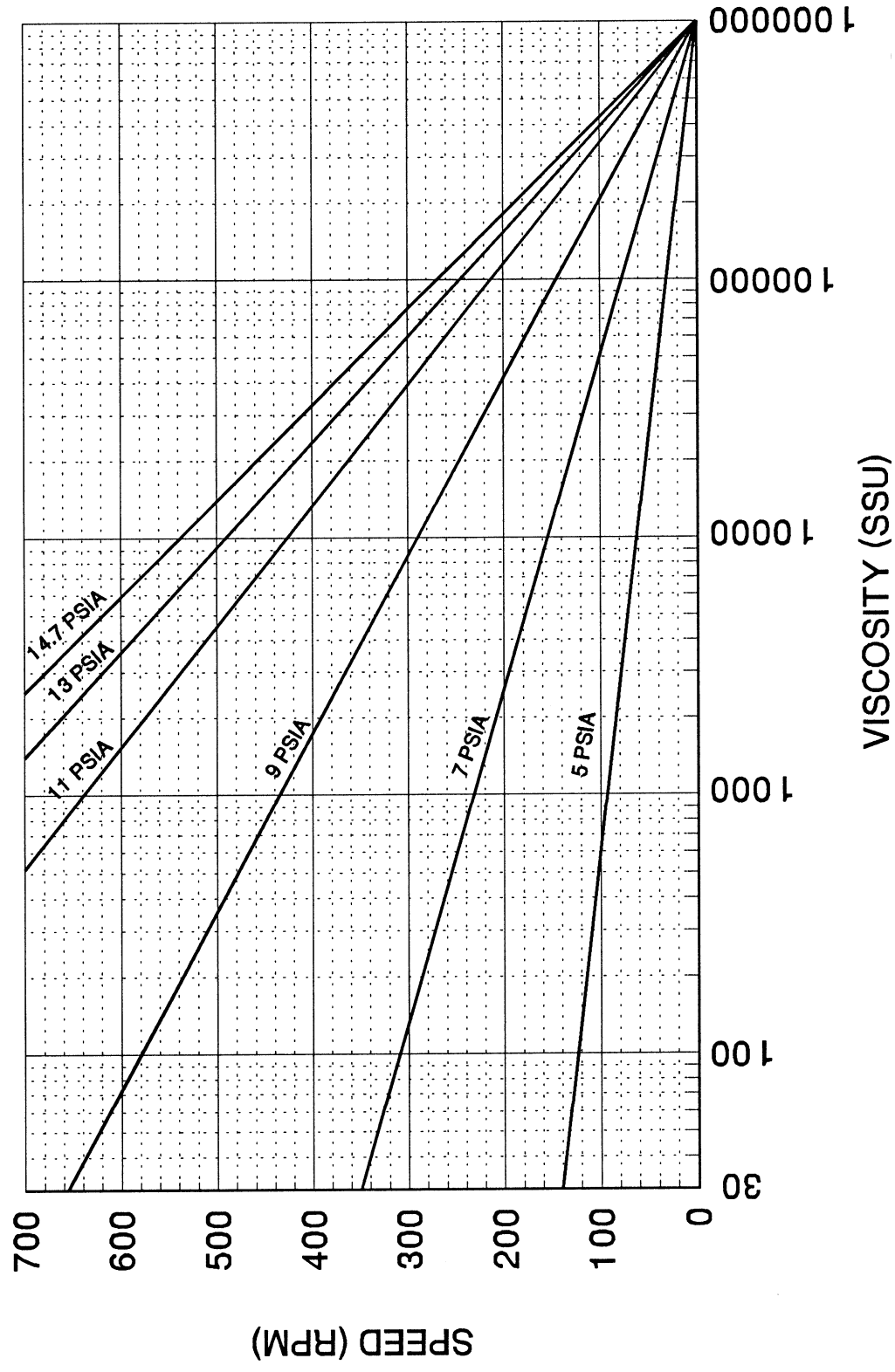
SERIES: 3635, 3735

GRAPH 4

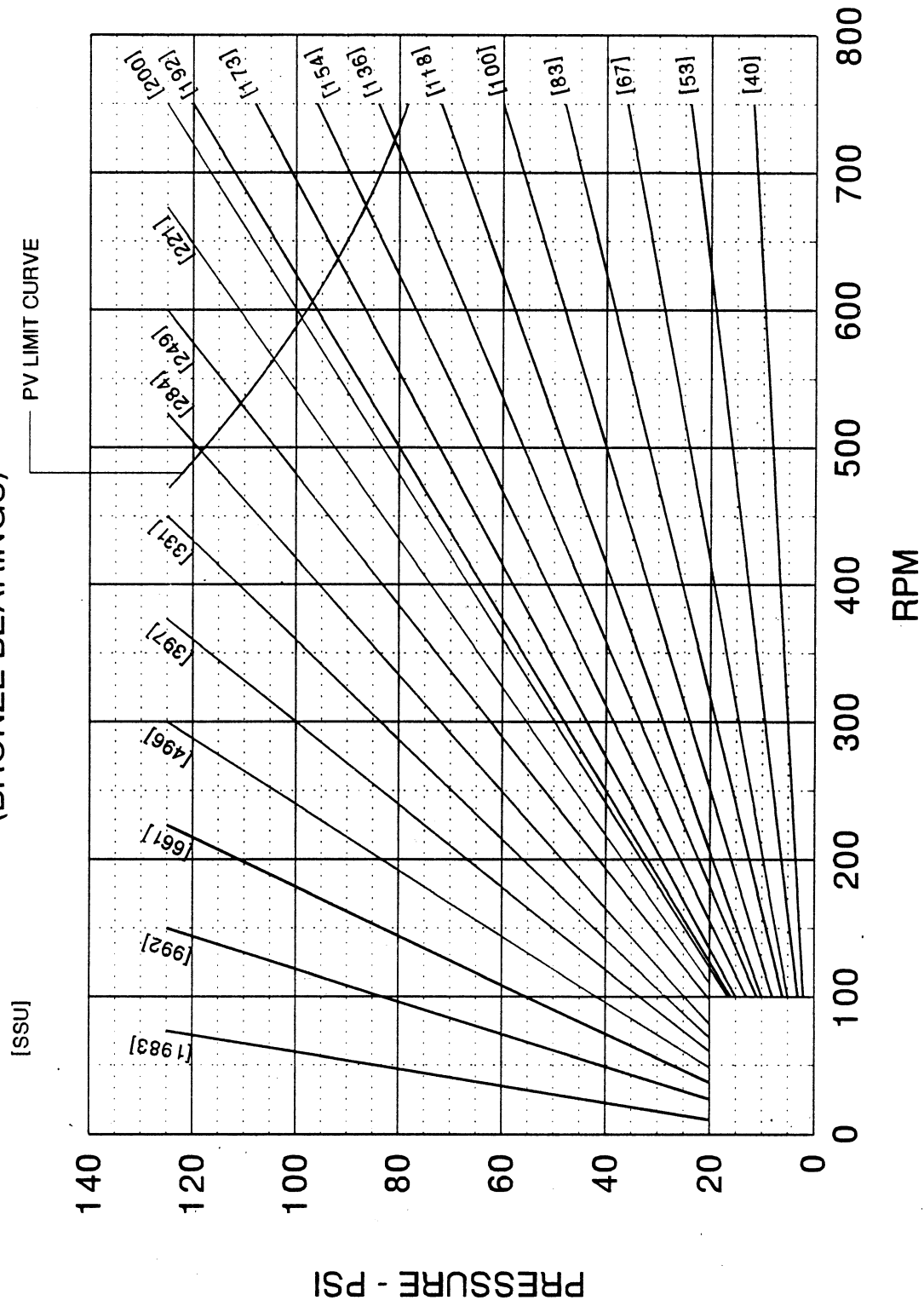
VISCOUS HORSEPOWER



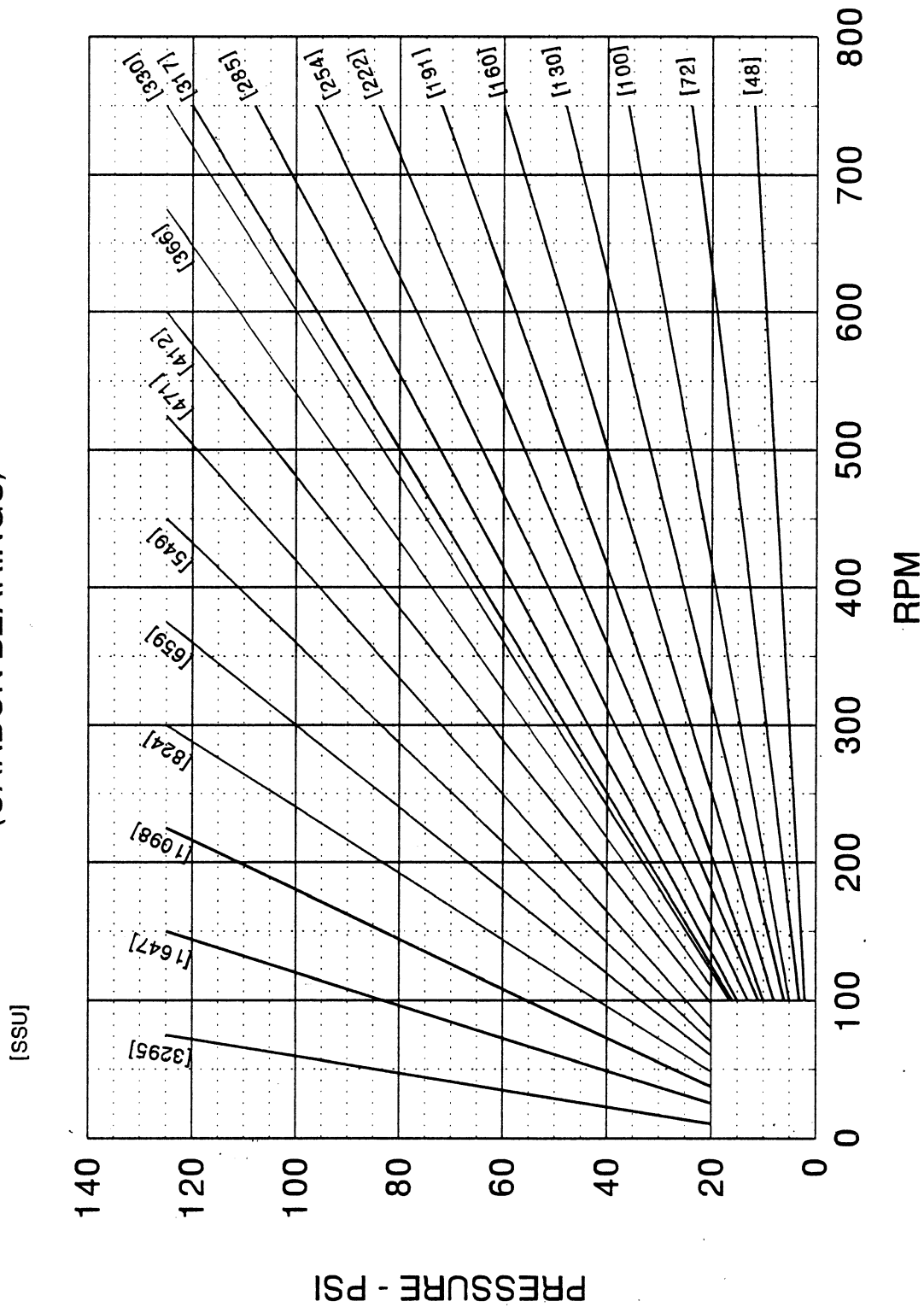
3635,3735,3658,3758,4658,4758
REQUIRED NET INLET PRESSURE



3635,3735 (BRONZE BEARINGS)

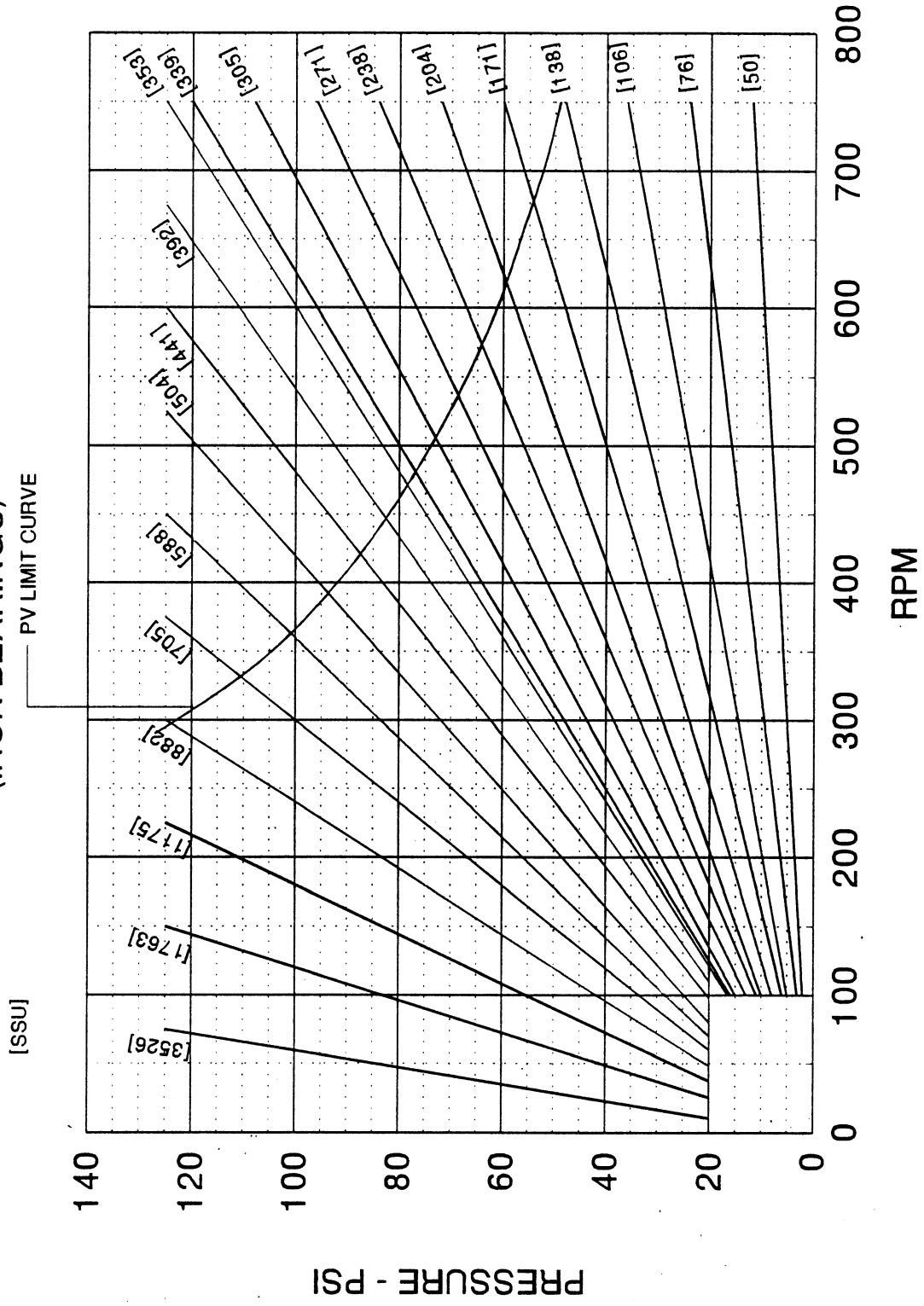


3635,3735 (CARBON BEARINGS)

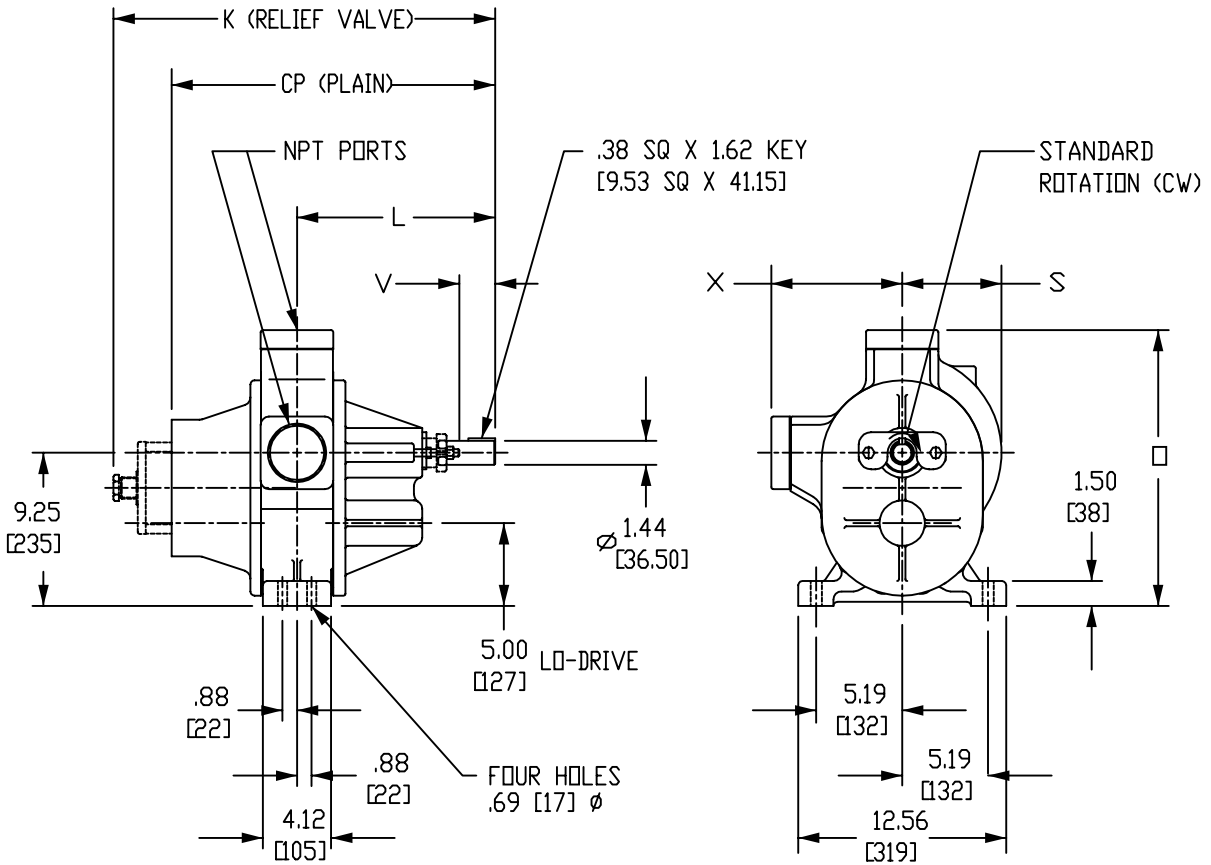


3635,3735

(IRON BEARINGS)



3635-3758 H,F,RV SPEC G TYPE 3



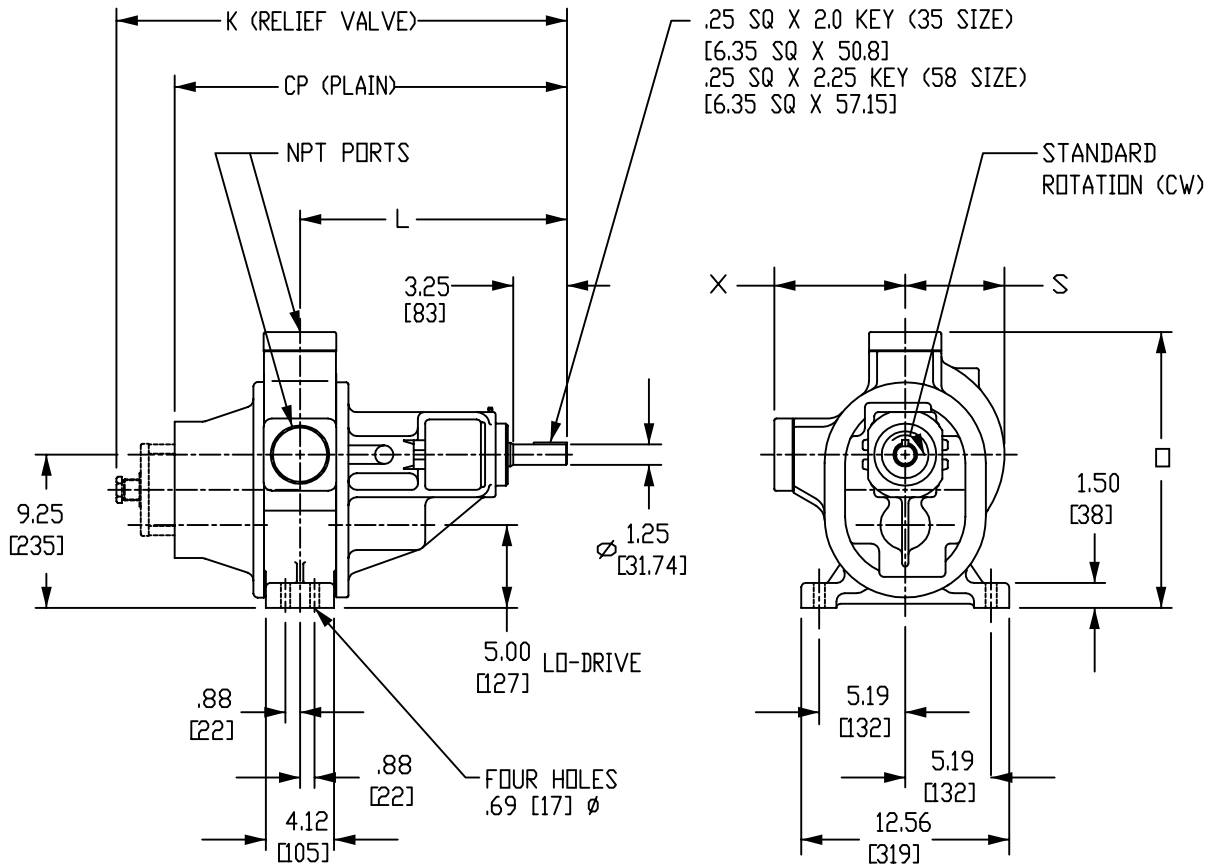
DO NOT SCALE
DIMS IN INCHES [MM]

▲ PACKED BOX

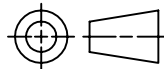
★ MECH SEAL

[illegible]

3635-3758 HB,F,RV TYPE 3



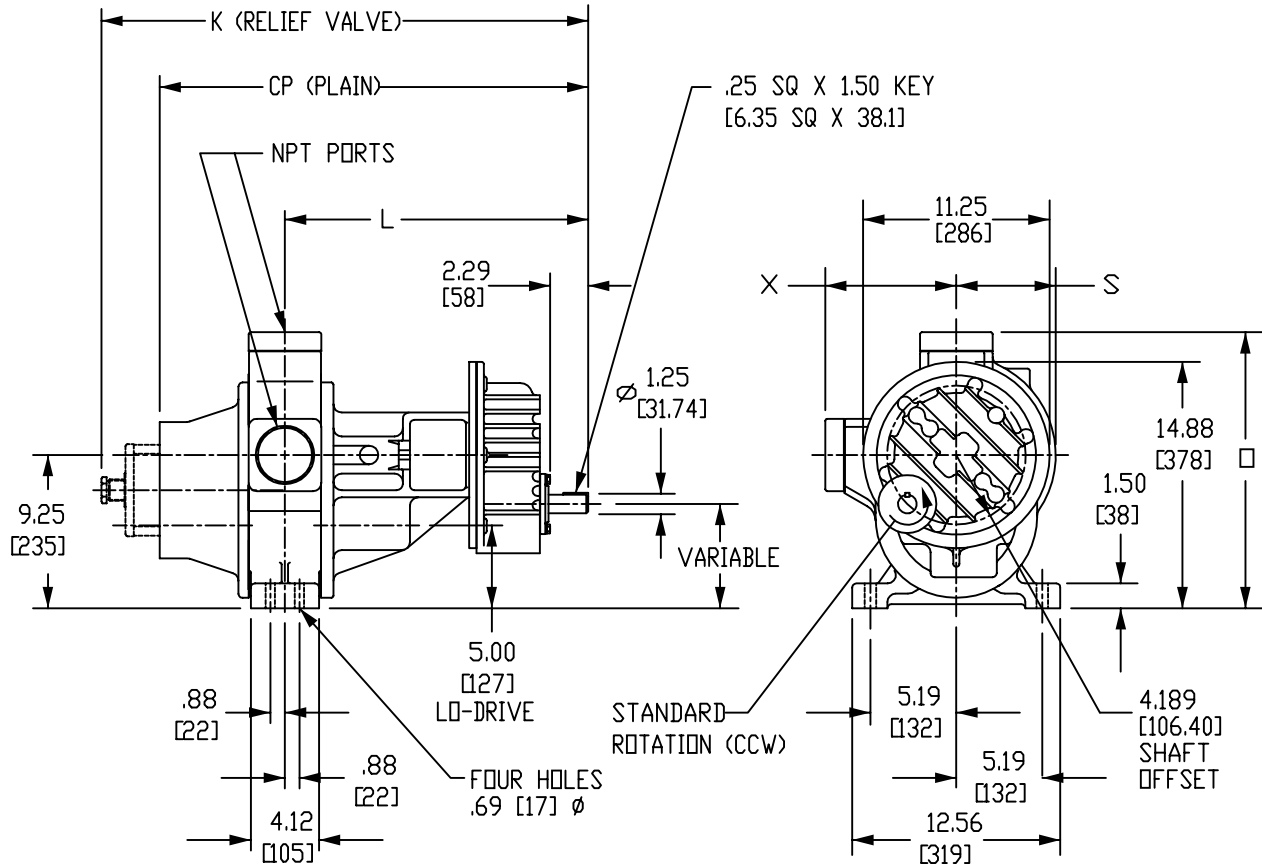
PROJECTION



DO NOT SCALE
DIMS IN INCHES [MM]

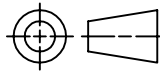
PUMP	CP	K	L	□	PORTS	S	X
3635 & 3735 HB				15.63 [397]	3" TAPPED		6.88 [175]
3635 & 3735 HBRV	23.69 [602]	27.20 [691]	16.12 [409]			6.00 [152]	
3635 & 3735 HBF				16.66 [423]	3" FLANGED		7.91 [201]
3635 & 3735 HBFRV							
3658 & 3758 HBF	26.53 [674]	30.04 [763]	17.54 [446]	17.35 [441]	4" FLANGED	6.28 [160]	8.10 [206]
3658 & 3758 HBFRV							

3635-3758 GHB,F,RV TYPE 3



CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

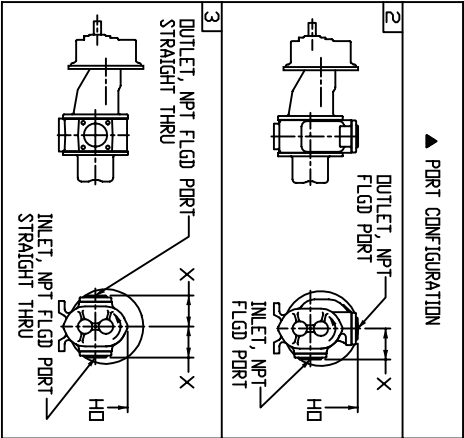
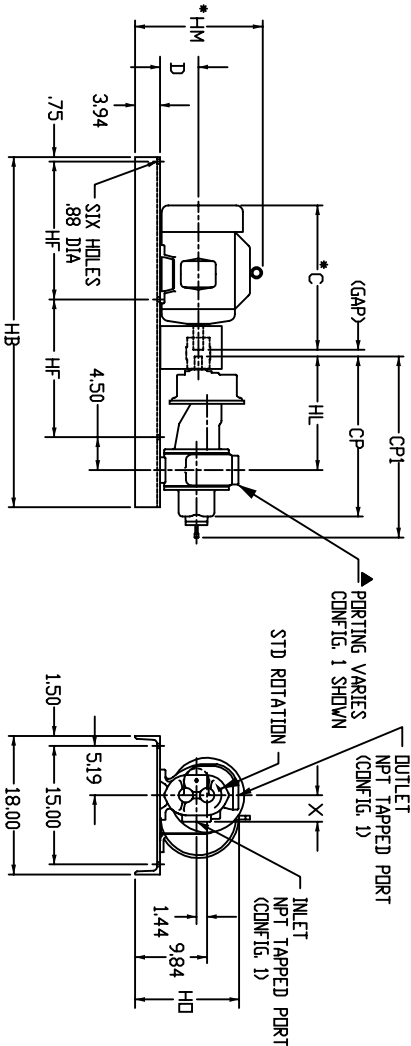
PROJECTION



DO NOT SCALE
DIMS IN INCHES [MM]

PUMP	CP	K	L	□	PORTS	S	X
3635 & 3735 GHb	25.88 [657]	29.39 [747]	18.31 [465]	15.63 [397]	3" TAPPED	6.00 [152]	6.88 [175]
3635 & 3735 GHBRV				3" FLANGED	16.66 [423]		7.91 [201]
3635 & 3735 GHBF							
3635 & 3735 GHBFrv							
3658 & 3758 GHBF	28.72 [730]	32.23 [819]	19.73 [501]	17.35 [441]	4" FLANGED	6.28 [160]	8.10 [206]
3658 & 3758 GHBFrv							

3635-4758 MGBF,RV TYPE 3



✓	PUMP	PORT CONFIG.	PORT SIZE	X	HD	CP	CP1	HL	PLAIN	W/RV	APPROXIMATE PUMP WEIGHT
	3635-3735 GHB,RV	1	3" NPT	6.88	19.56	25.88	29.38	18.31	275	285	
	3635-3735 GHBF,RV	2	3" NPT FLG	7.91	20.60	28.75	32.25	19.75	385	395	
	3658-3758 GHBF,RV	2	4" NPT FLG	8.10	21.29	28.75	32.25	19.75	385	395	
	4658-4758 GHBF,RV	3	4" NPT FLG	8.10	17.56	28.75	32.25	19.75	385	395	

BASE/COUPLING/
HARDWARE WEIGHT

✓	MOTOR FRAME	*MOTOR WEIGHT	35	58	*C	D	*HM	HB	HF	(GAP)
	182T	97	181	181	16.56	5.5	16.19	48	19.13	.88
	184T	110	181	181	18.06	5.5	16.19	48	19.13	.88
	213T	162	181	181	18.56	6.25	17.94	48	19.13	.88
	215T	189	181	181	21.09	6.25	17.94	48	19.13	.88
	254T	283	177	177	23.19	6.25	18.13	48	19.13	1.0
	256T	290	177	177	23.19	6.25	18.13	48	19.13	1.0
	284T	396	177	177	27.76	7.0	21.10	48	19.13	1.0
	286T	417	177	177	27.76	7.0	21.10	48	19.13	1.0

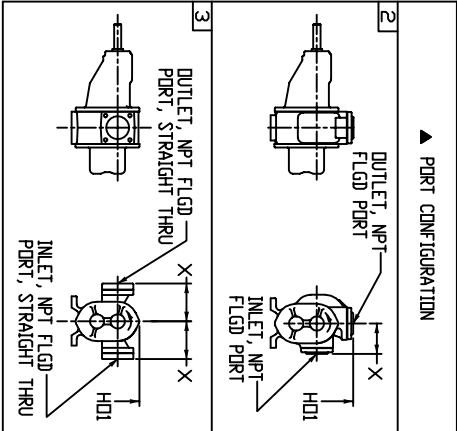
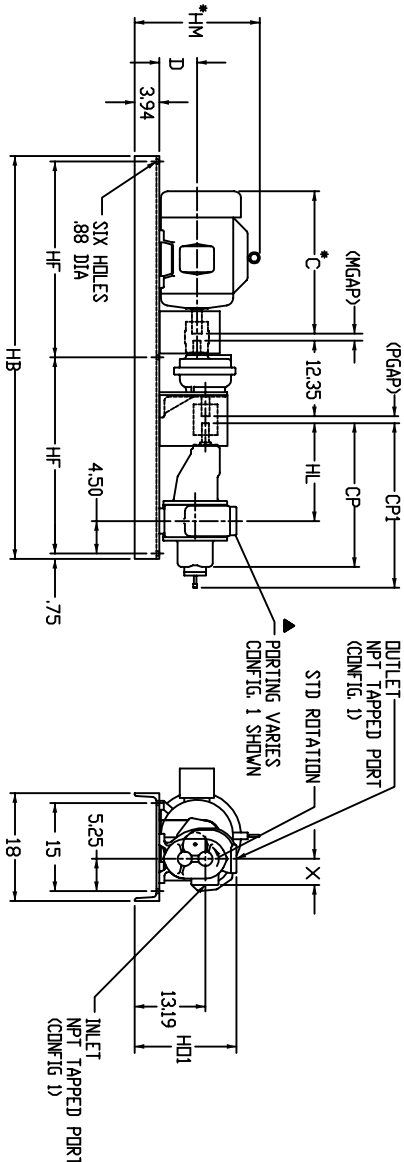


ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD MAYSVILLE RD
COMMERCE, GEORGIA 30529 U.S.A.
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TEFC 3 PHASE MOTORS.
RV = RELIEF VALVE
LOVEJOY COUPLINGS STANDARD

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

3635-4758 MHB,F,RV TYPE 3
(WITH ROPER FIGURE 4124 GEAR REDUCER)



PUMP		PORT CONFIG.		PORT SIZE	X	CP	CP1	HL	PUMP	
✓									HO1	APPROXIMATE PUMP WEIGHT
	3635-3735 HB, RV	1	3" NPT	6.88		23.69	27.20	16.12	19.57	214
	3635-3735 HBF, RV	2	3" NPT FLG	7.91		23.69	27.20	16.12	20.60	217
	3658-3758 HBF, RV	2	4" NPT FLG	8.10		26.53	30.04	17.54	21.29	290
	4658-4758 HBF, RV	3	4" NPT FLG	8.10		26.53	30.04	17.54	21.29	304
									17.57	312

BASE/COUPLING/
HARDWARE WEIGHT

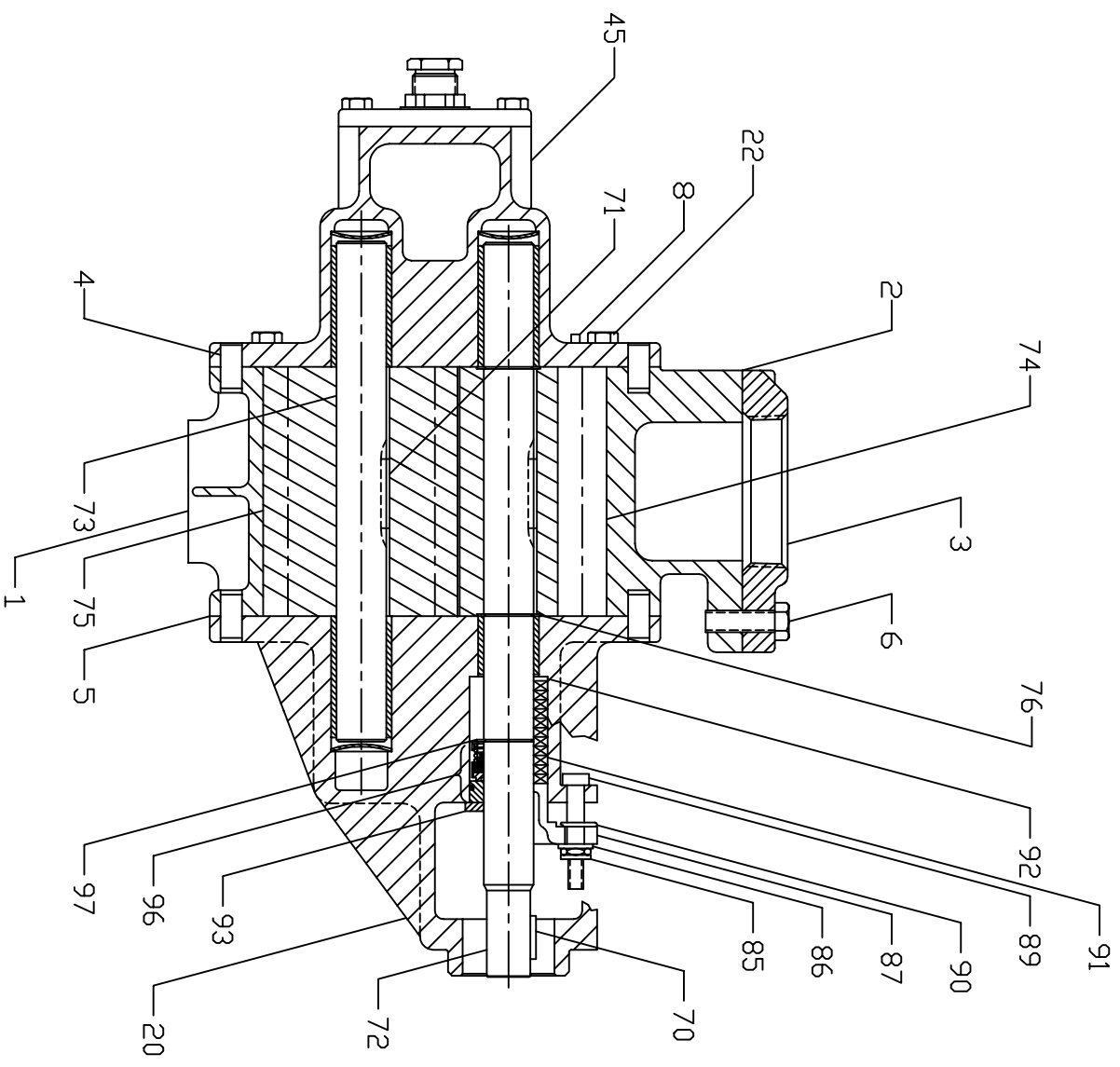
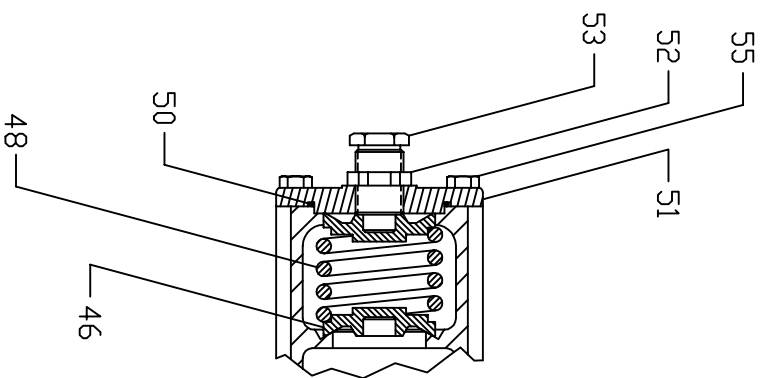
✓	MOTOR FRAME WEIGHT	3635	4758	*C	D	*HM	HB	HF	(PGAP)	(MGAP)
	182T	97	342	16.56	4.50	15.19			.88	
	184T	110	342	18.06	4.50	15.19	56	27.25	.88	
	213T	162	346	18.56	5.25	16.94				
	215T	189	352	21.09	5.25	16.94				
	254T	283	374	23.19	6.25	18.13	60	29.25	1.0	
	256T	290	374	23.19	6.25	18.13	60	29.25	1.0	
	284T	396	389	27.76	7.00	21.10	64	31.25		
	286T	417	404	27.76	7.00	21.10	64	31.25		



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COMMERCE, GEORGIA 30529 U.S.A.
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✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
FIGURE 4124 GEAR REDUCER WEIGHT = 120
LOVEJOY COUPLINGS STANDARD

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____



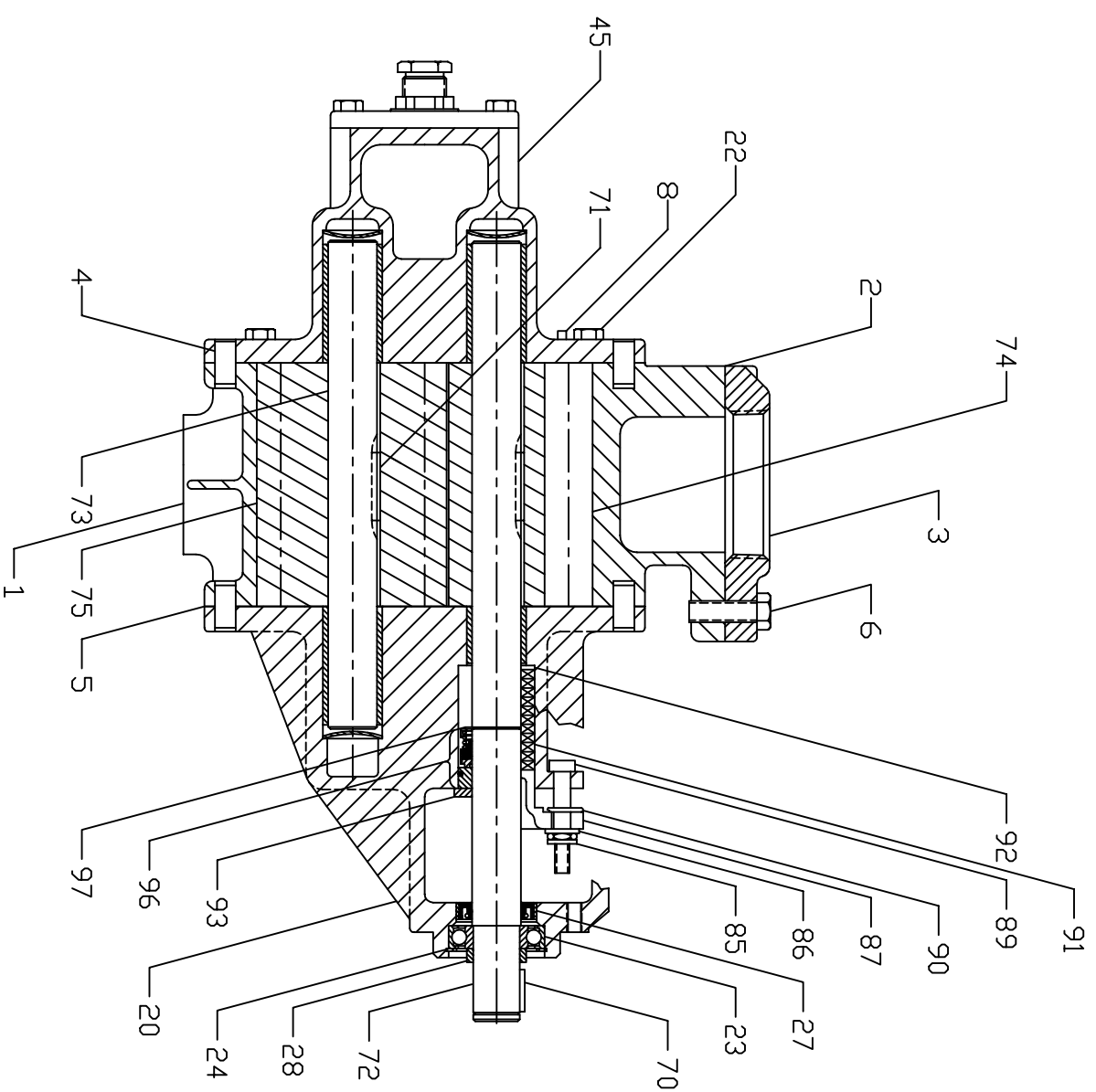
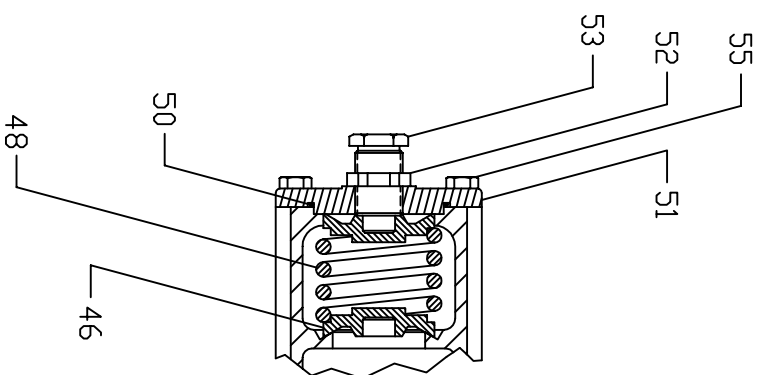
3635-4758 BH,F,RV

3635-4758 BH,F,RV

KEY NO.	DESCRIPTION	3635 & 3735		3658-4758	
		QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx BH)	1	P-5140		N/A
	Case (36xx-37xx BHF)	1	P1-695	1	P1-229
	Case (46xx-47xx BHF)		N/A	1	P1-277
2	Gasket, Flange	2	D11-332	2	D11-283
3	Flange (36xx-37xx)	2	P23-35	2	P23-52
	Flange (46xx-47xx)		N/A	2	P23-52
4	Dowel Pin	4	D48-55	4	D48-55
5	Case Gasket	3	D441-492	3	D441-492
6	Hex Hd Cap Screw	8	G49-062200	8	G49-062200
8	Pipe Plug	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1332	1	N2-1332
22	Hex Hd Cap Screw	28	G49-050125	28	G49-050125
45	Faceplate Assy, Plain, Brz Brgs	1	N3-85	1	N3-85
	Faceplate Assy, RV, Brz Brgs	1	N3-304	1	N3-304
46	Poppet	1	D16-112	1	D16-112
48	Spring, Std Press	1	G10-383	1	G10-383
	Spring, High Press	1	G10-386	1	G10-386
50	"O" Ring, RV Cap	1	G14-485	1	G14-485
51	RV Cap	1	P14-44	1	P14-44
52	Nut, Lock & Seal	1	G33-6	1	G33-6
53	Adjusting Screw	1	D15-42	1	D15-42
55	Hex Hd Cap Screw, RV	3	G49-050125	3	G49-050125
70	Key, Drive	1	D30-216	1	D30-216
71	Key, Gear	2	D30-10	2	D30-10
72	Drive Shaft	1	D1-2462	1	D1-2488
73	Idler Shaft	1	D1-2089	1	D1-2087
74	Gear, LH	1	P6-420	1	P6-421
75	Gear, RH	1	P6-290	1	P6-280
76	Ret Ring	2	G41-119	2	G41-119
85	Locknut	2	G43-12	2	G43-12
86	Pkg Gland Clip	2	D42-4	2	D42-4
87	Pkg Gland	1	P10-179	1	P10-179
89	Sq Hd Bolt, Pkg	2	G67-050300	2	G67-050300
	Sq Hd Bolt, Mech Seal	2	G67-050125	2	G67-050125
90	Spring Clip	1	D42-3	1	D42-3
91	Pkg Set	1	N43-3	1	N43-3
92	Pkg Washer	1	G8-249	1	G8-249
93	Seal Retainer	1	D23-267	1	D23-267
96	Mech Seal, Complete	1	G4-112	1	G4-112
97	Ret Ring	1	G41-155	1	G41-155

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

Faceplate Assy includes Brz Brgs: (2) G5-265



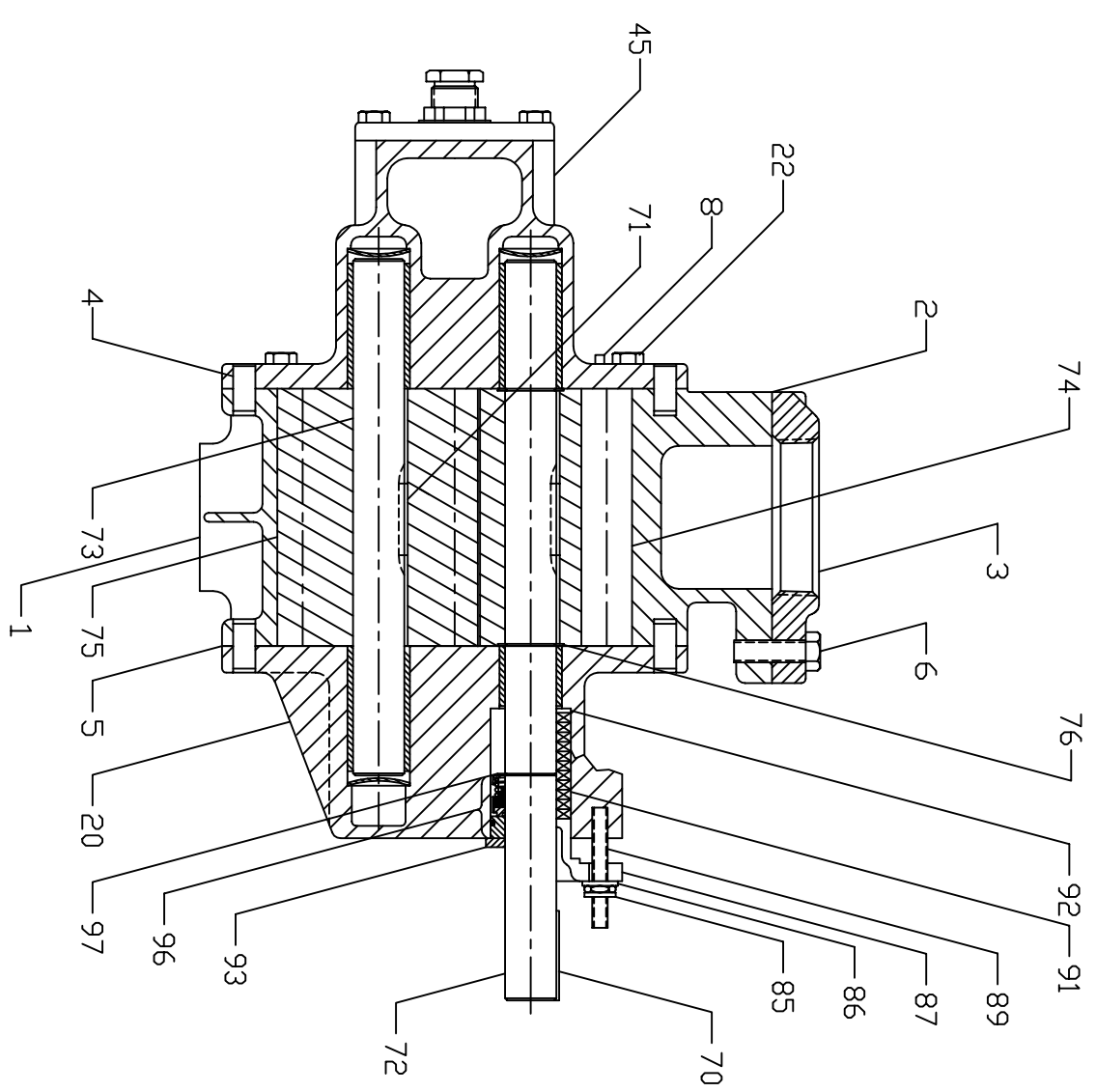
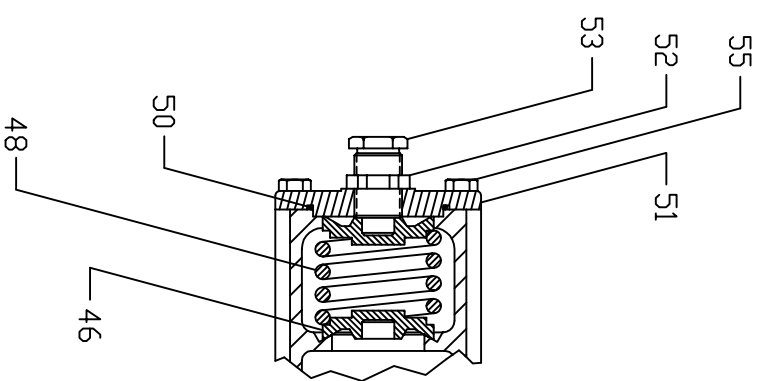
3635-4758 GHB,F,D,RV

3635-4758 GHB,F,O,RV

KEY NO.	DESCRIPTION	3635 & 3735		3658-4758	
		QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx GHB)	1	P-5140		N/A
	Case (36xx-37xx GHBF)	1	P1-695	1	P1-229
	Case (46xx-47xx GHBF)		N/A	1	P1-277
2	Gasket, Flange	2	D11-332	2	D11-283
3	Flange (36xx-37xx)	2	P23-35	2	P23-52
	Flange (46xx-47xx)		N/A	2	P23-52
4	Dowel Pin	4	D48-55	4	D48-55
5	Case Gasket	3	D441-492	3	D441-492
6	Hex Hd Cap Screw	8	G49-062200	8	G49-062200
8	Pipe Plug	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-646	1	N2-646
22	Hex Hd Cap Screw	28	G49-050125	28	G49-050125
23	Ball Brg	1	G40-35	1	G40-35
24	Ret Ring	1	G41-25	1	G41-25
25	Lube Ftg	1	G63-1	1	G63-1
27	Lip Seal	1	D83-9	1	D83-9
28	Spacer	1	D45-27	1	D45-27
45	Faceplate Assy, Plain, Brz Brgs	1	N3-85	1	N3-85
	Faceplate Assy, RV, Brz Brgs	1	N3-304	1	N3-304
46	Poppet	1	D16-112	1	D16-112
48	Spring, Std Press	1	G10-383	1	G10-383
	Spring, High Press	1	G10-386	1	G10-386
50	"O" Ring, RV Cap	1	G14-485	1	G14-485
51	RV Cap	1	P14-44	1	P14-44
52	Nut, Lock & Seal	1	G33-6	1	G33-6
53	Adjusting Screw	1	D15-42	1	D15-42
55	Hex Hd Cap Screw, RV	3	G49-050125	3	G49-050125
70	Key, Drive	1	D30-10	1	D30-11
71	Key, Gear	2	D30-10	2	D30-10
72	Drive Shaft	1	D1-2010	1	D1-2012
73	Idler Shaft	1	D1-2089	1	D1-2087
74	Gear, LH	1	P6-291	1	P6-279
75	Gear, RH	1	P6-290	1	P6-280
85	Locknut	2	G43-12	2	G43-12
86	Pkg Gland Clip	2	D42-4	2	D42-4
87	Pkg Gland	1	P10-179	1	P10-179
89	Sq Hd Bolt, Pkg	2	G67-050300	2	G67-050300
	Sq Hd Bolt, Mech Seal	2	G67-050125	2	G67-050125
90	Spring Clip	1	D42-3	1	D42-3
91	Pkg Set	1	N43-3	1	N43-3
92	Pkg Washer	1	G8-249	1	G8-249
93	Seal Retainer	1	D23-267	1	D23-267
96	Mech Seal, Complete	1	G4-112	1	G4-112
97	Ret Ring	1	G41-155	1	G41-155

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

Faceplate Assy includes Brz Brgs: (2) G5-265



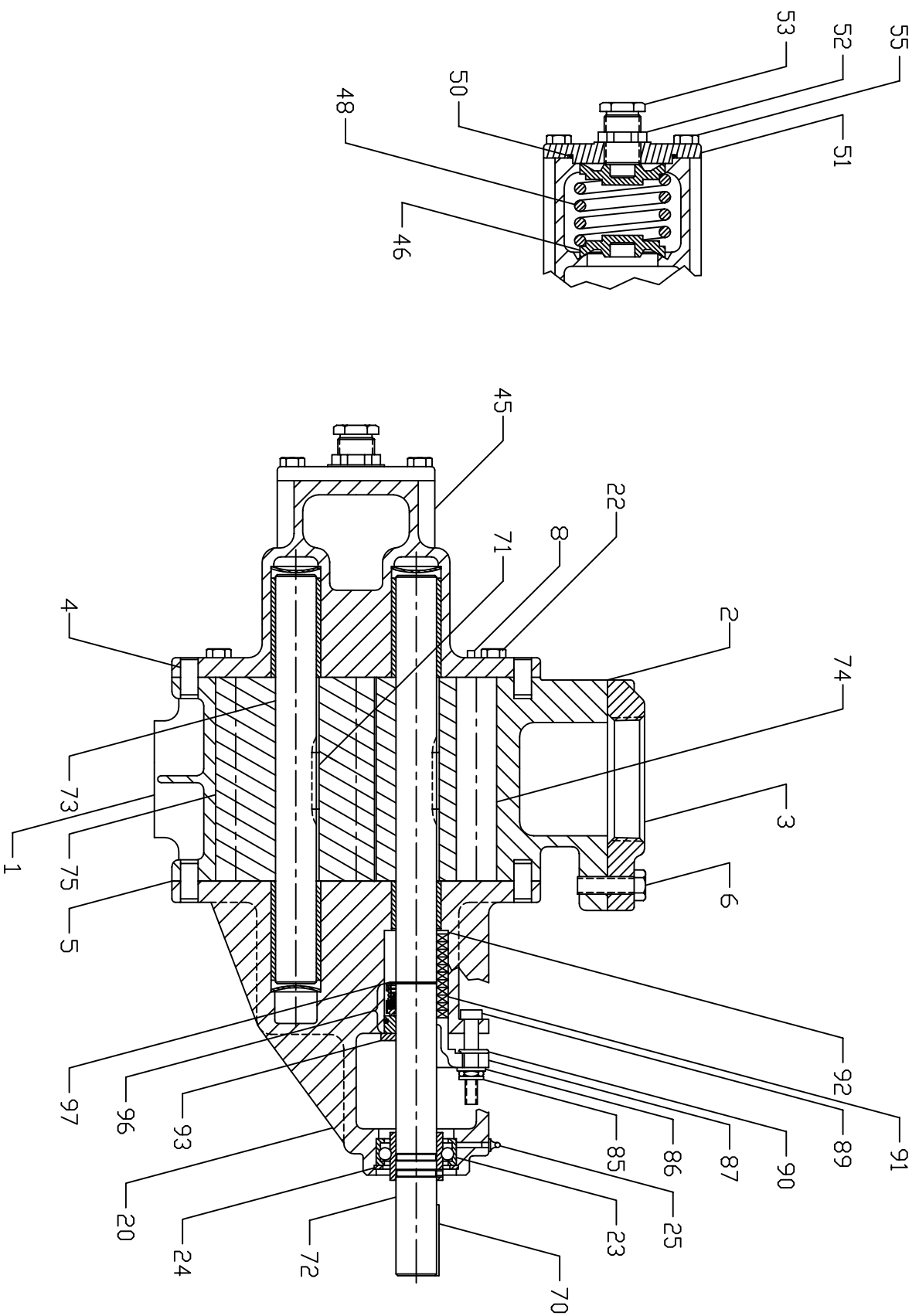
3635-4758 H,F,RV

3635-4758 H,F,RV SPEC G

KEY NO.	DESCRIPTION	3635 & 3735		3658-4758	
		QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx H)	1	P-5140		N/A
	Case (36xx-37xx HF)	1	P1-695	1	P1-229
	Case (46xx-47xx HF)		N/A	1	P1-277
2	Gasket, Flange	2	D11-332	2	D11-283
3	Flange (36xx-37xx)	2	P23-35	2	P23-52
	Flange (46xx-47xx)		N/A	2	P23-52
4	Dowel Pin	4	D48-55	4	D48-55
5	Case Gasket	3	D441-492	3	D441-492
6	Hex Hd Cap Screw	8	G49-062200	8	G49-062200
8	Pipe Plug	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-664	1	N2-664
22	Hex Hd Cap Screw	28	G49-050125	28	G49-050125
45	Faceplate Assy, Plain, Brz Brgs	1	N3-85	1	N3-85
	Faceplate Assy, RV, Brz Brgs	1	N3-304	1	N3-304
46	Poppet	1	D16-112	1	D16-112
48	Spring, Std Press	1	G10-383	1	G10-383
	Spring, High Press	1	G10-386	1	G10-386
50	"O" Ring, RV Cap	1	G14-485	1	G14-485
51	RV Cap	1	P14-44	1	P14-44
52	Nut, Lock & Seal	1	G33-6	1	G33-6
53	Adjusting Screw	1	D15-42	1	D15-42
55	Hex Hd Cap Screw, RV	3	G49-050125	3	G49-050125
70	Key, Drive	1	D30-25	1	D30-25
71	Key, Gear	2	D30-10	2	D30-10
72	Drive Shaft	1	D1-2101	1	D1-2104
73	Idler Shaft	1	D1-2089	1	D1-2087
74	Gear, LH	1	P6-420	1	P6-421
75	Gear, RH	1	P6-290	1	P6-280
76	Ret Ring	2	G41-119	2	G41-119
85	Locknut	2	G43-12	2	G43-12
86	Pkg Gland Clip	2	D42-4	2	D42-4
87	Pkg Gland	1	P10-179	1	P10-179
89	Stud, Pkg	2	G2-4	2	G2-4
	Hex Hd Cap Screw, Mech Seal	2	G49-050150	2	G49-050150
91	Pkg Set	1	N43-3	1	N43-3
92	Pkg Washer	1	G8-249	1	G8-249
93	Seal Retainer	1	D23-267	1	D23-267
96	Mech Seal, Complete	1	G4-112	1	G4-112
97	Ret Ring	1	G41-155	1	G41-155

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

Faceplate Assy includes Brz Brgs: (2) G5-265



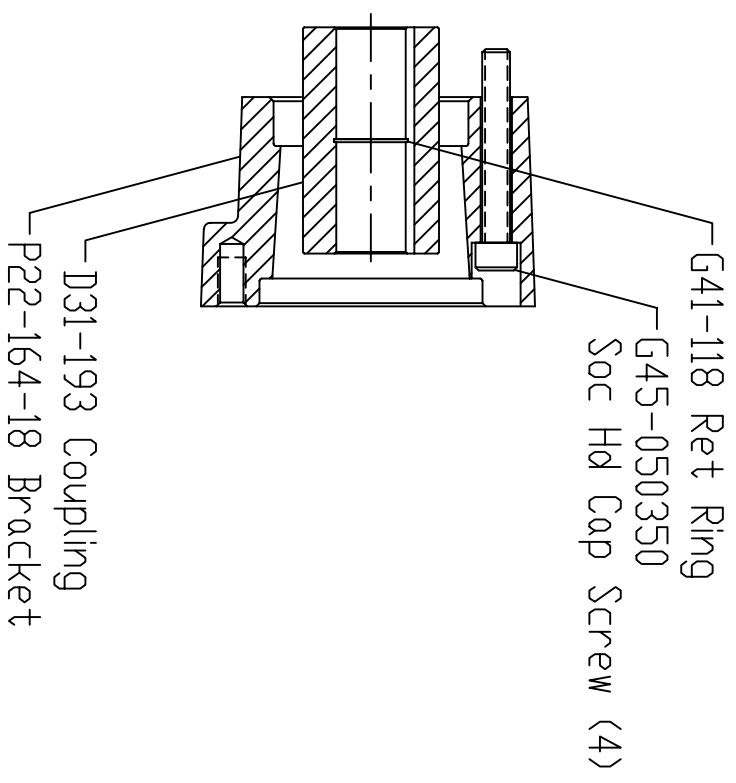
3635-4758 HB,F,RV

3635-4758 HB,F,RV

KEY NO.	DESCRIPTION	3635 & 3735		3658-4758	
		QTY	PART NO.	QTY	PART NO.
1	Case (36xx-37xx HB)	1	P-5140		N/A
	Case (36xx-37xx HBF)	1	P1-695	1	P1-229
	Case (46xx-47xx HBF)		N/A	1	P1-277
2	Gasket, Flange	2	D11-332	2	D11-283
3	Flange (36xx-37xx)	2	P23-35	2	P23-52
	Flange (46xx-47xx)		N/A	2	P23-52
4	Dowel Pin	4	D48-55	4	D48-55
5	Case Gasket	3	D441-492	3	D441-492
6	Hex Hd Cap Screw	8	G49-062200	8	G49-062200
8	Pipe Plug	2	G56-12	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-635	1	N2-635
22	Hex Hd Cap Screw	28	G49-050125	28	G49-050125
23	Ball Brg	1	G40-35	1	G40-35
24	Ret Ring	1	G41-5	1	G41-5
25	Lube Ftg	1	G63-1	1	G63-1
45	Faceplate Assy, Plain, Brz Brgs	1	N3-85	1	N3-85
	Faceplate Assy, RV, Brz Brgs	1	N3-304	1	N3-304
46	Poppet	1	D16-112	1	D16-112
48	Spring, Std Press	1	G10-383	1	G10-383
	Spring, High Press	1	G10-386	1	G10-386
50	"O" Ring, RV Cap	1	G14-485	1	G14-485
51	RV Cap	1	P14-44	1	P14-44
52	Nut, Lock & Seal	1	G33-6	1	G33-6
53	Adjusting Screw	1	D15-42	1	D15-42
55	Hex Hd Cap Screw, RV	3	G49-050125	3	G49-050125
70	Key, Drive	1	D30-216	1	D30-216
71	Key, Gear	2	D30-10	2	D30-10
72	Drive Shaft	1	D1-2006	1	D1-2009
73	Idler Shaft	1	D1-2089	1	D1-2087
74	Gear, LH	1	P6-291	1	P6-279
75	Gear, RH	1	P6-290	1	P6-280
85	Locknut	2	G43-12	2	G43-12
86	Pkg Gland Clip	2	D42-4	2	D42-4
87	Pkg Gland	1	P10-179	1	P10-179
89	Sq Hd Bolt, Pkg	2	G67-050300	2	G67-050300
	Sq Hd Bolt, Mech Seal	2	G67-050125	2	G67-050125
90	Spring Clip	1	D42-3	1	D42-3
91	Pkg Set	1	N43-3	1	N43-3
92	Pkg Washer	1	G8-249	1	G8-249
93	Seal Retainer	1	D23-267	1	D23-267
96	Mech Seal, Complete	1	G4-112	1	G4-112
97	Ret Ring	1	G41-155	1	G41-155

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

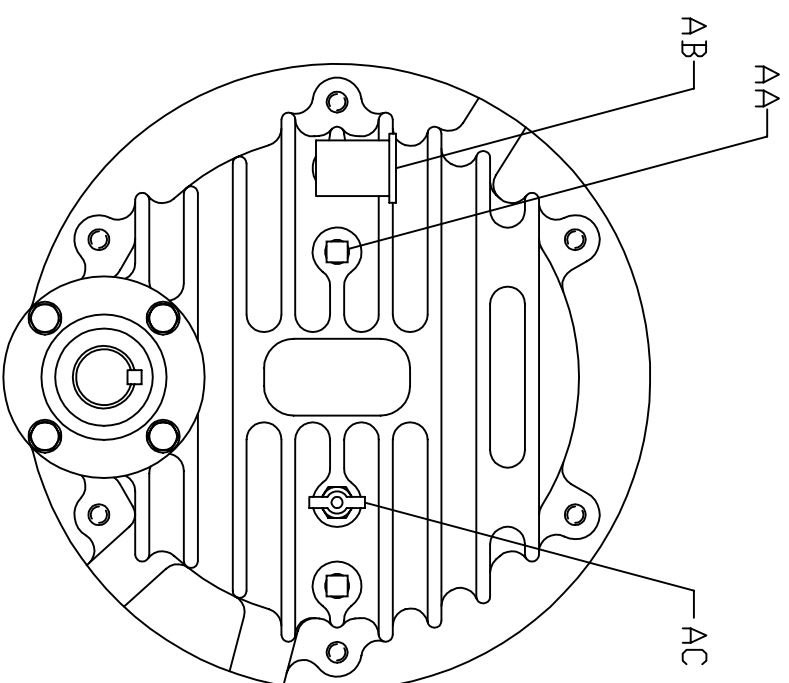
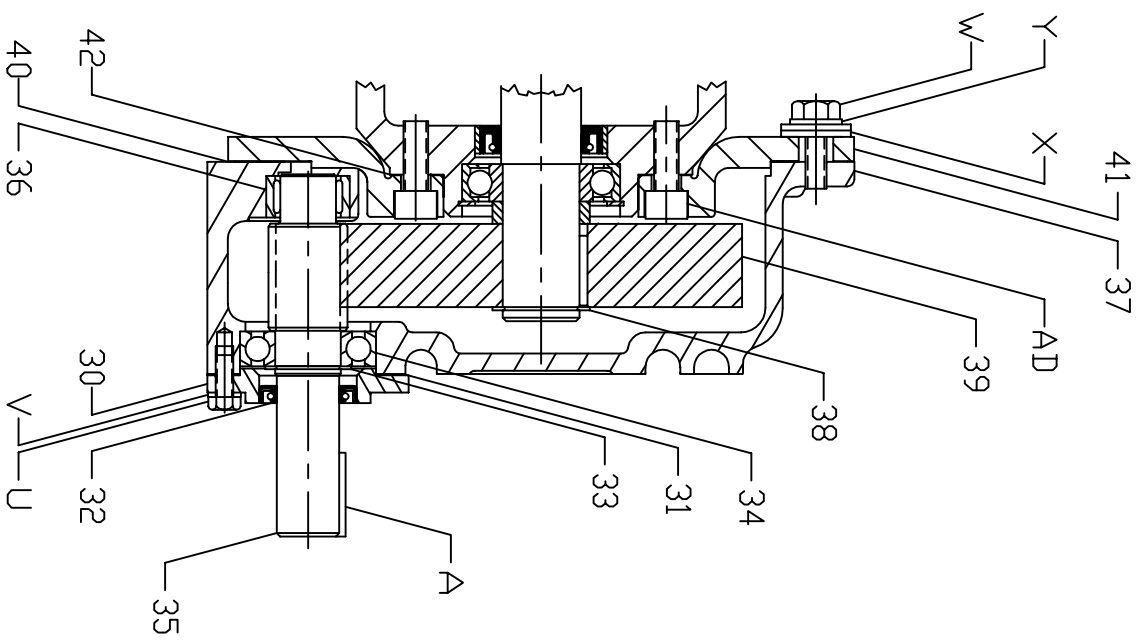
Faceplate Assy includes Brz Brgs: (2) G5-265



3635-4758 MBH,F,RV
COUPLING ASSEMBLY

N41-XXX-1

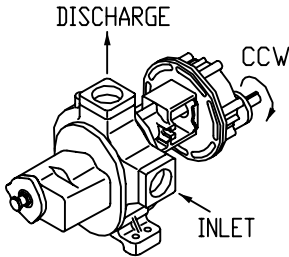
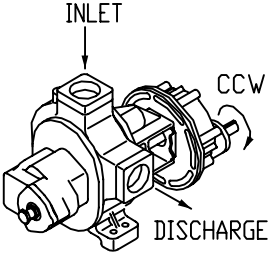
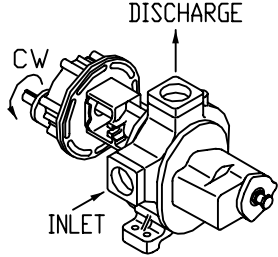
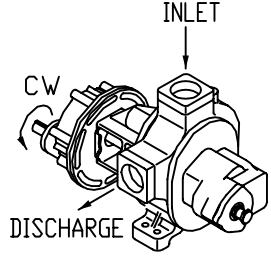
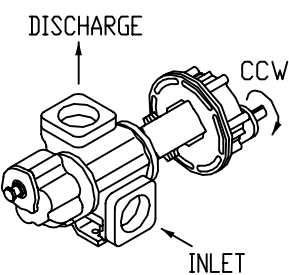
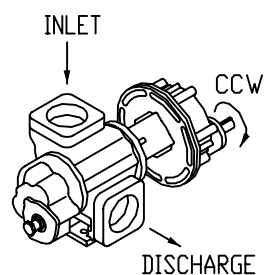
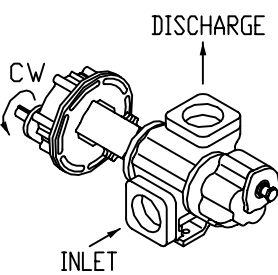
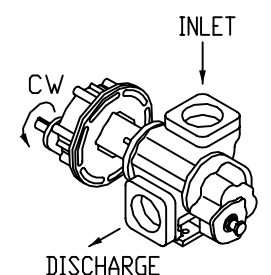
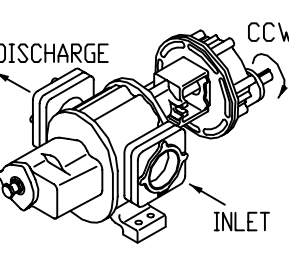
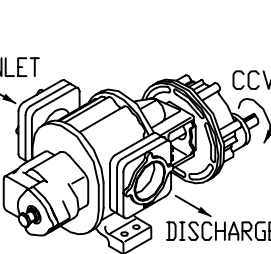
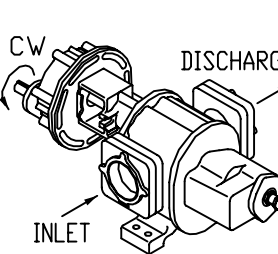
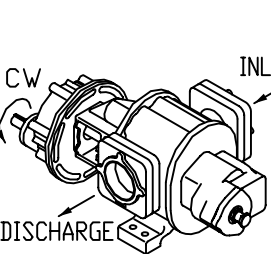
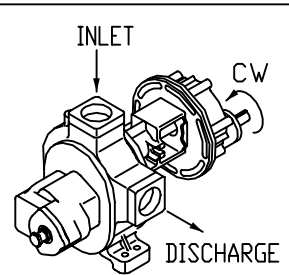
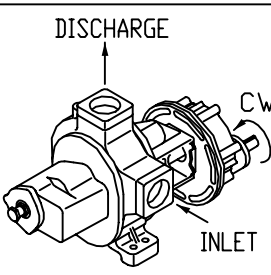
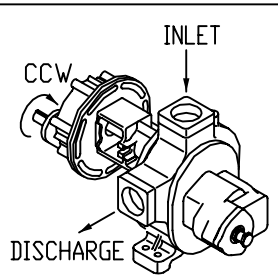
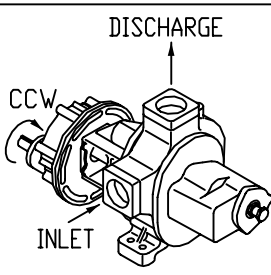
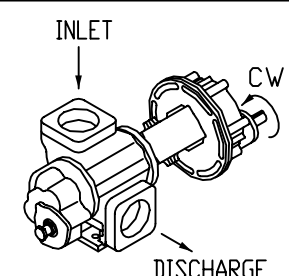
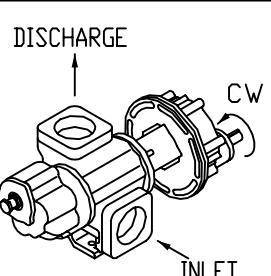
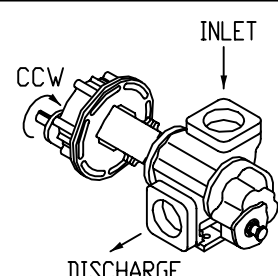
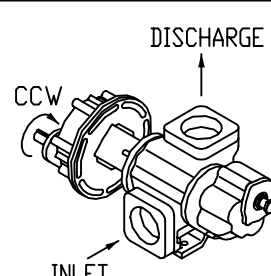
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		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	D83-22	1	D83-22	1	D83-22
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-120	1	D37-117	1	D37-115
36	Needle Bearing	1	G40-30	1	G40-30	1	G40-30
37	Gear Case	1	P49-2	1	P49-2	1	P49-2
38	Retaining Ring	1	G41-76	1	G41-76	1	G41-76
39	Drive Gear	1	D37-64	1	D37-67	1	D37-69
40	Gear Case Gasket	1	D11-278	1	D11-278	1	D11-278
41	Gear Box Cover	1	P22-13	1	P22-13	1	P22-13
42	Cover Gasket	1	D11-276	1	D11-276	1	D11-276
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cup	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-037100	4	G45-037100	4	G45-037100
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-037125	6	G49-037125	6	G49-037125
X	Flat Washer	12	G8-52	12	G8-52	12	G8-52
Y	Lockwasher	6	G8-72	6	G8-72	6	G8-72



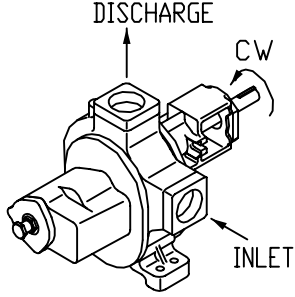
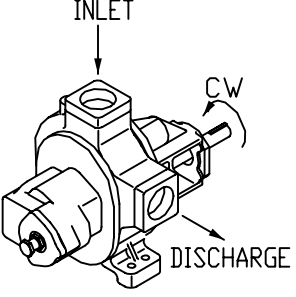
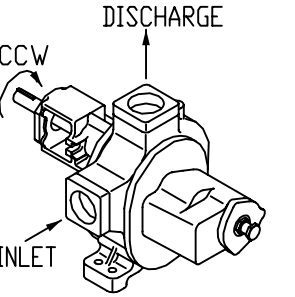
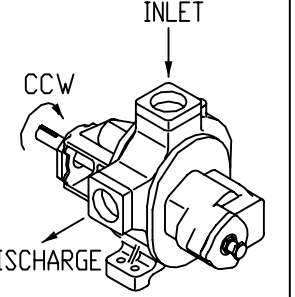
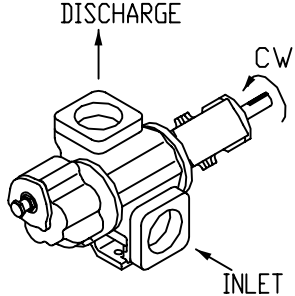
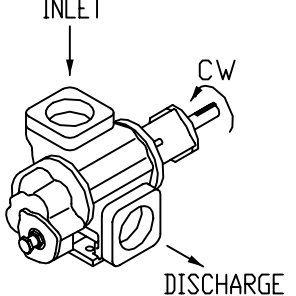
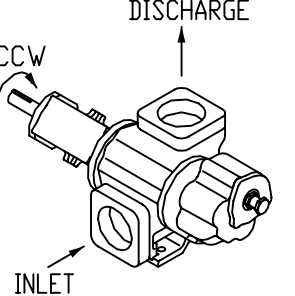
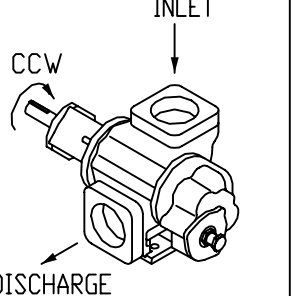
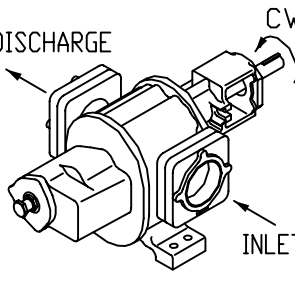
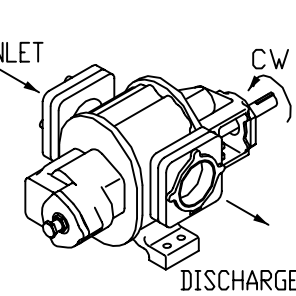
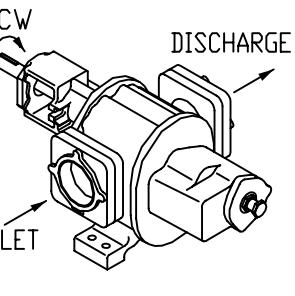
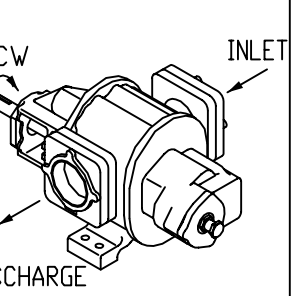
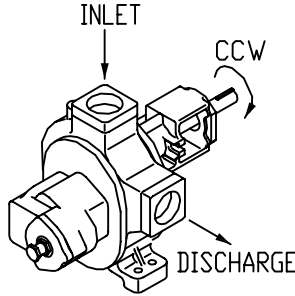
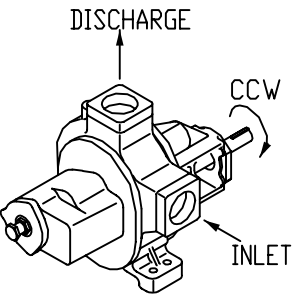
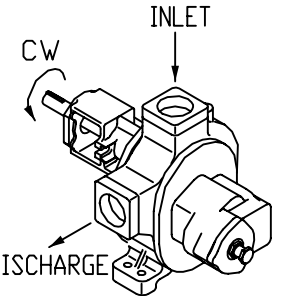
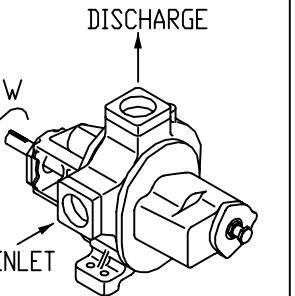
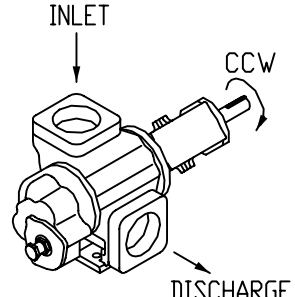
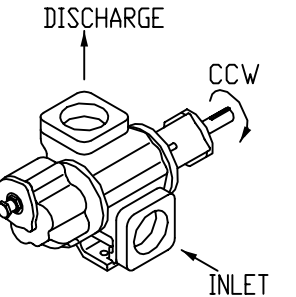
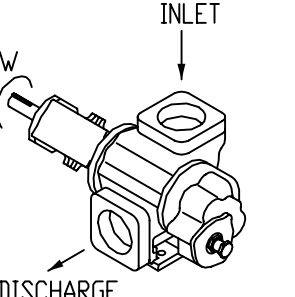
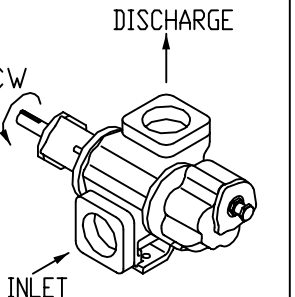
N41-3

N41-XXX-3

KEY NO.	DESCRIPTION	N41-426-3		N41-488-3		N41-566-3	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	G17-84	1	G17-84	1	G17-84
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-119	1	D37-118	1	D37-116
36	Needle Bearing	1	G40-51	1	G40-51	1	G40-51
37	Gear Case	1	P49-6	1	P49-6	1	P49-6
38	Retaining Ring	1	G41-80	1	G41-80	1	G41-80
39	Drive Gear	1	D37-91	1	D37-93	1	D37-95
40	Gear Case Gasket	1	D11-305	1	D11-305	1	D11-305
41	Gear Box Cover	1	P22-25	1	P22-25	1	P22-25
42	Cover Gasket	1	D11-304	1	D11-304	1	D11-304
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cap	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-050125	4	G45-050125	4	G45-050125
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-050125	6	G49-050125	6	G49-050125
X	Flat Washer	12	G8-54	12	G8-54	12	G8-54
Y	Lockwasher	6	G8-74	6	G8-74	6	G8-74

	W	LW	Z	LZ
3X35 & 3X58				
3X48				
4X58				
	X	LX	Y	LY
3X35 & 3X58				
3X48				

DIRECTION OF ROTATION FOR 3635 TO 4758 GHB PUMP USING RELIEF VALVE

	W	LW	Z	LZ
3X35 & 3X58				
3X48				
4X58				
	X	LX	Y	LY
3X35 & 3X58				
3X48				

DIRECTION OF ROTATION FOR 3635 TO 4758 H AND HB PUMP USING RELIEF VALVE



There must be 3600 easy ways to put these ultra-reliable workhorses to use.

Trouble-Free Versatility



The leading force behind liquids.

Applications

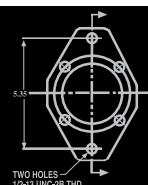
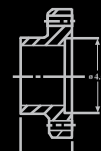
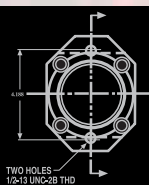
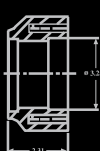
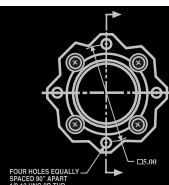
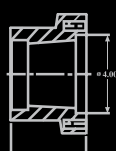
- Mixing blending recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

Features

- Heavy duty cast iron helical gear pumps
- Bi-directional, self-priming
- Differential pressures to 125 psi
- Up to 340 gpm
- Standard operation up to 212 F.
- Can be built to operate up to 500 F.
- Maintenance-free durability

Options

- Through ports or angled ports 2-sided or top and side configuration
- Threaded ports or flanged, tapped port connections
- Integral relief valve and integral gear reducer
- Outboard bearing depending on drive and seal arrangements



3600 Series

Visit Us On The WorldWide Web
www.roperpumps.com

Pump Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
3611/3711	.11G PR (416.4 CC /REV)	750 RPM	82.5G PM (18.6 M ³ /HR)	125 PSI (8.6 Bar)	2"NPT"
4611/4711	.11G PR (416.4 CC /REV)	750 RPM	82.5G PM (18.6 M ³ /HR)	125 PSI (8.6 Bar)	2"NPT"
3617/3717	.17G PR (643.5 CC /REV)	750 RPM	127.5G PM (28.8 M ³ /HR)	125 PSI (8.6 Bar)	2"NPT"
4617/4717	.17G PR (643.5 CC /REV)	750 RPM	127.5G PM (28.8 M ³ /HR)	125 PSI (8.6 Bar)	2"NPT"
3622/3722	.22G PR (832.8 CC /REV)	750 RPM	165G PM (37.2 M ³ /HR)	125 PSI (8.6 Bar)	3"NPT"
4622/4722	.22G PR (832.8 CC /REV)	750 RPM	165G PM (37.2 M ³ /HR)	125 PSI (8.6 Bar)	3"NPT"
3635/3735	.37G PR (1400.6 CC /REV)	600 RPM	222G PM (50.4 M ³ /HR)	125 PSI (8.6 Bar)	3"NPT"
4638/4738	.38G PR (1438.4 CC /REV)	900 RPM	342G PM (77.4 M ³ /HR)	125 PSI (8.6 Bar)	4"NPT"
3648/3748	.52G PR (1968.4 CC /REV)	900 RPM	468G PM (106.2 M ³ /HR)	125 PSI (8.6 Bar)	4"NPT"
3658/3758	.60G PR (2271.2 CC /REV)	600 RPM	360G PM (81.6 M ³ /HR)	125 PSI (8.6 Bar)	4"NPT"
4658/4758	.58G PR (2195.53 CC /REV)	600 RPM	348G PM (79.2 M ³ /HR)	125 PSI (8.6 Bar)	4"NPT"

Materials of Construction

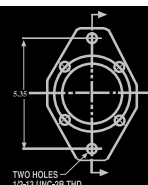
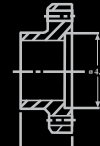
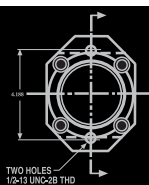
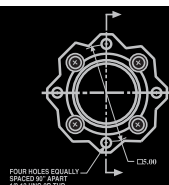
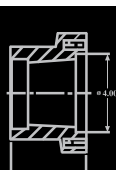
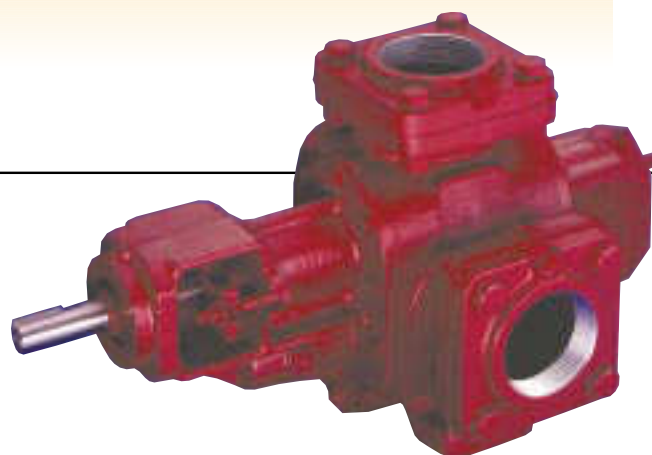
Housing	Gears	Bearings	Shaft
• Cast Iron	• Hardened Steel	• Bronze	• Steel
Options	• Stainless Steel	• Iron	• Stainless Steel
		• Carbon	

Key Features

- Right angle or thru port design
- Bi-directional rotation
- Steam jackets available
- Flange or foot mounted configurations

Options

- Integral gear reducer
- Bearing materials
- Packing or seals available
- Internal relief valve





3600 Series Nomenclature:

First digit indicates port orientation

3 has the ports located at 90^0 i.e.: Top and side locations.

4 has the ports located at 180^0 i.e.: side and side locations.

Second digit identifies the sealing arrangement

6 is for packing

7 is for mechanical seal

Sizes Available

11 provides .11gpr

17 provides .17gpr

22 provides .23/.22gpr

35 provides .37gpr

38 provides .38gpr

48 provides .52gpr

58 provides .58/.60gpr

Drive Arrangements

H - Pump head without outboard bearing.

HB - Pump head with outboard bearing.

GHB - Pump head with outboard bearing and built-on gear reduction unit.

F - Pump with flanged ports.

Example: **3611HBF**

1st number (3): 90^0 ports

2nd number (6): packing seal

3rd number (11): .11 gallons per revolutions

HB: pump head with outboard bearing

F: flanged ports



4668-4699 Series Nomenclature:

The nomenclature is the same as the other 3600 Series pumps, with there only being two sizes:

68 provides 0.68gpr

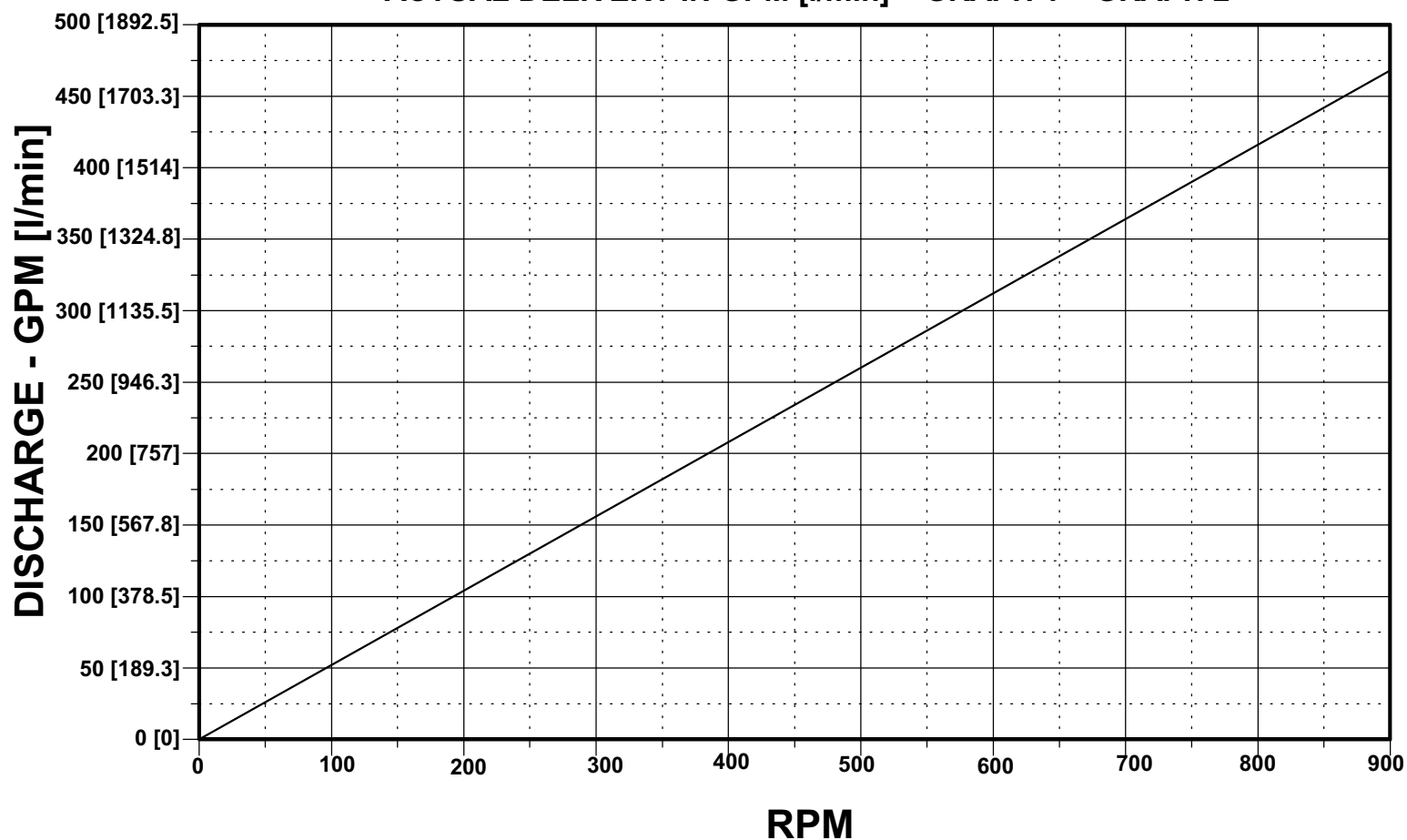
99 provides 0.99gpr

SERIES: 3648, 3748

GRAPH 1

THEORETICAL GPM

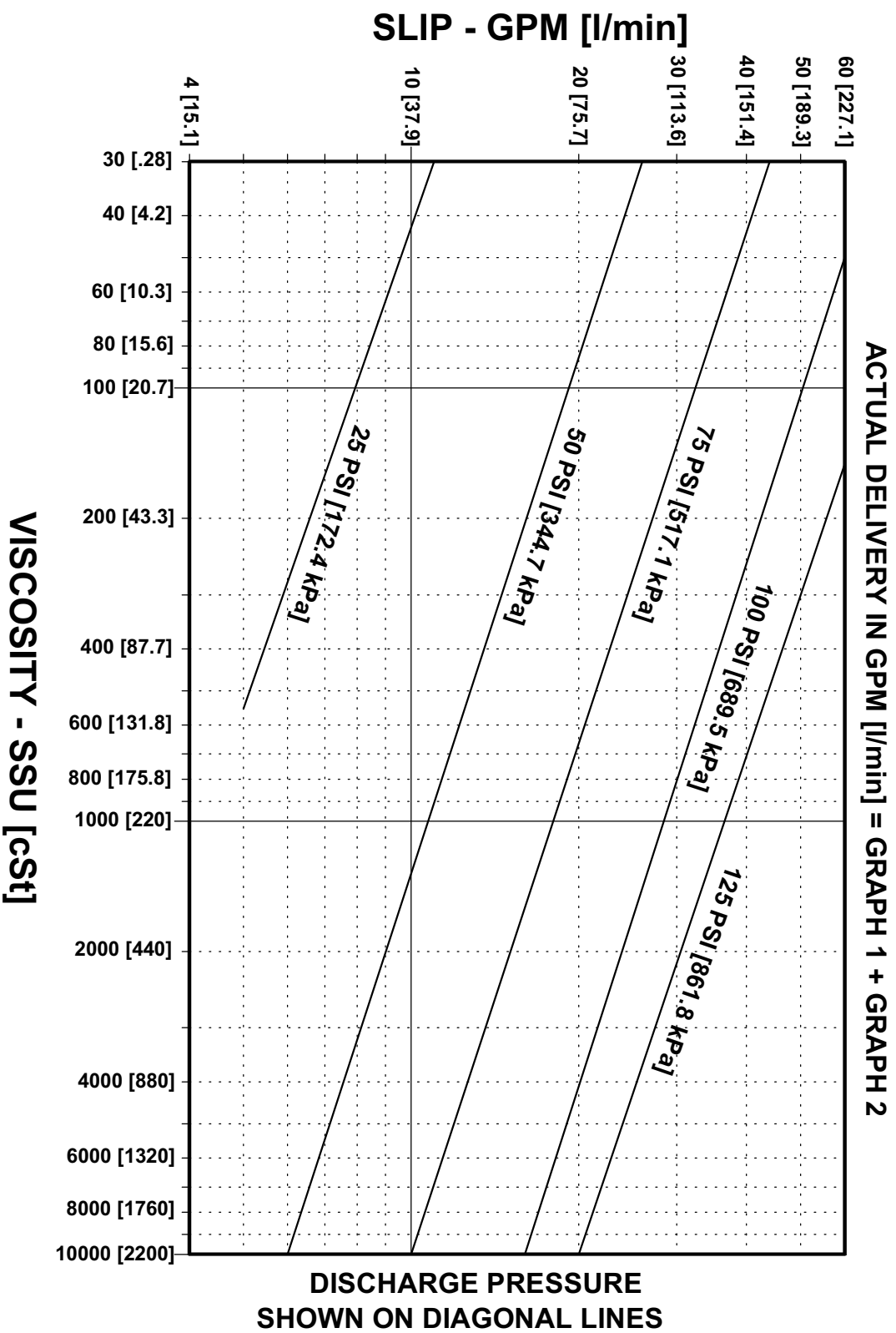
ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 + GRAPH 2



SERIES: 3648, 3748

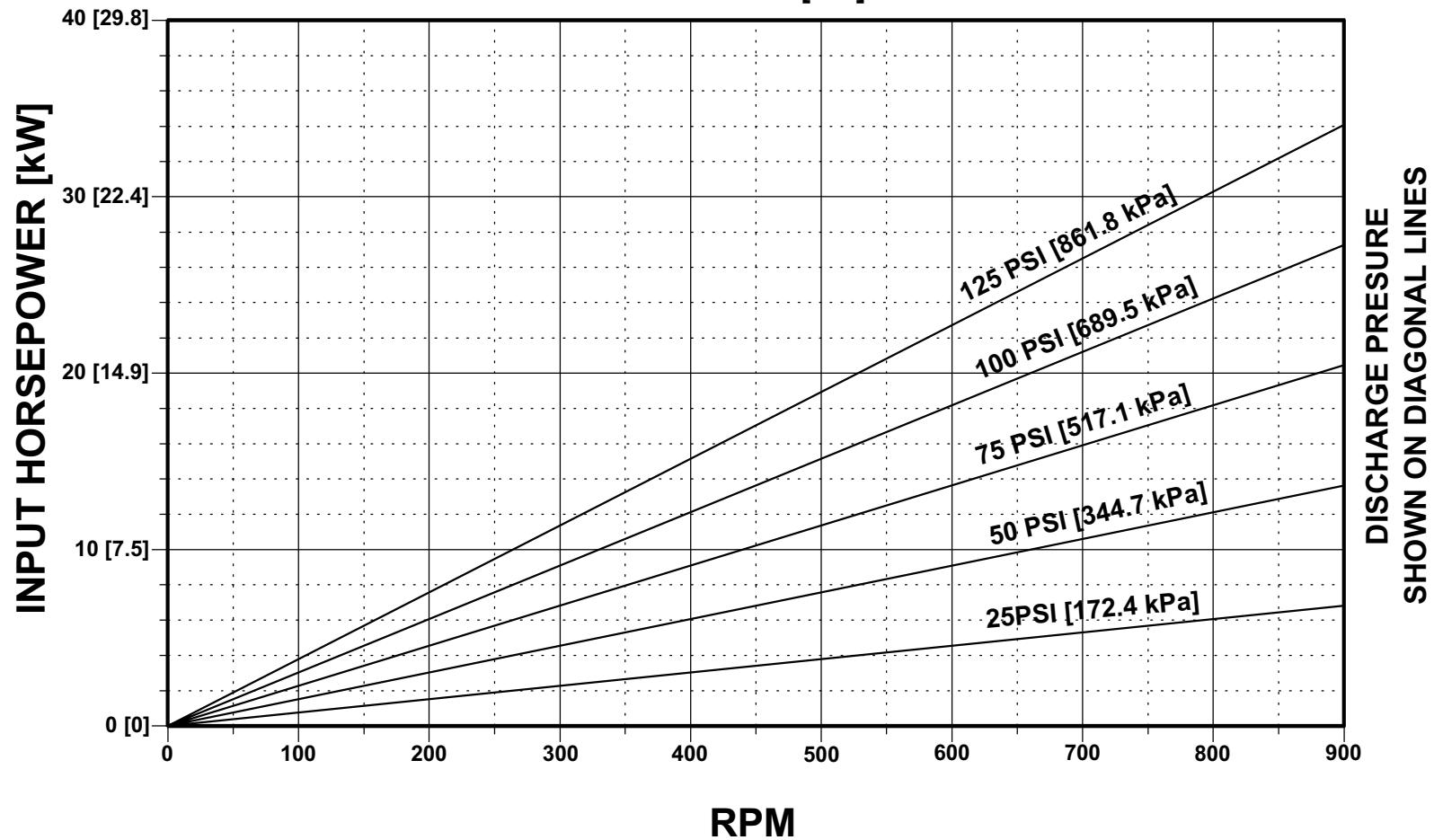
GRAPH 2

SLIP



SERIES: 3648, 3748
GRAPH 3
INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

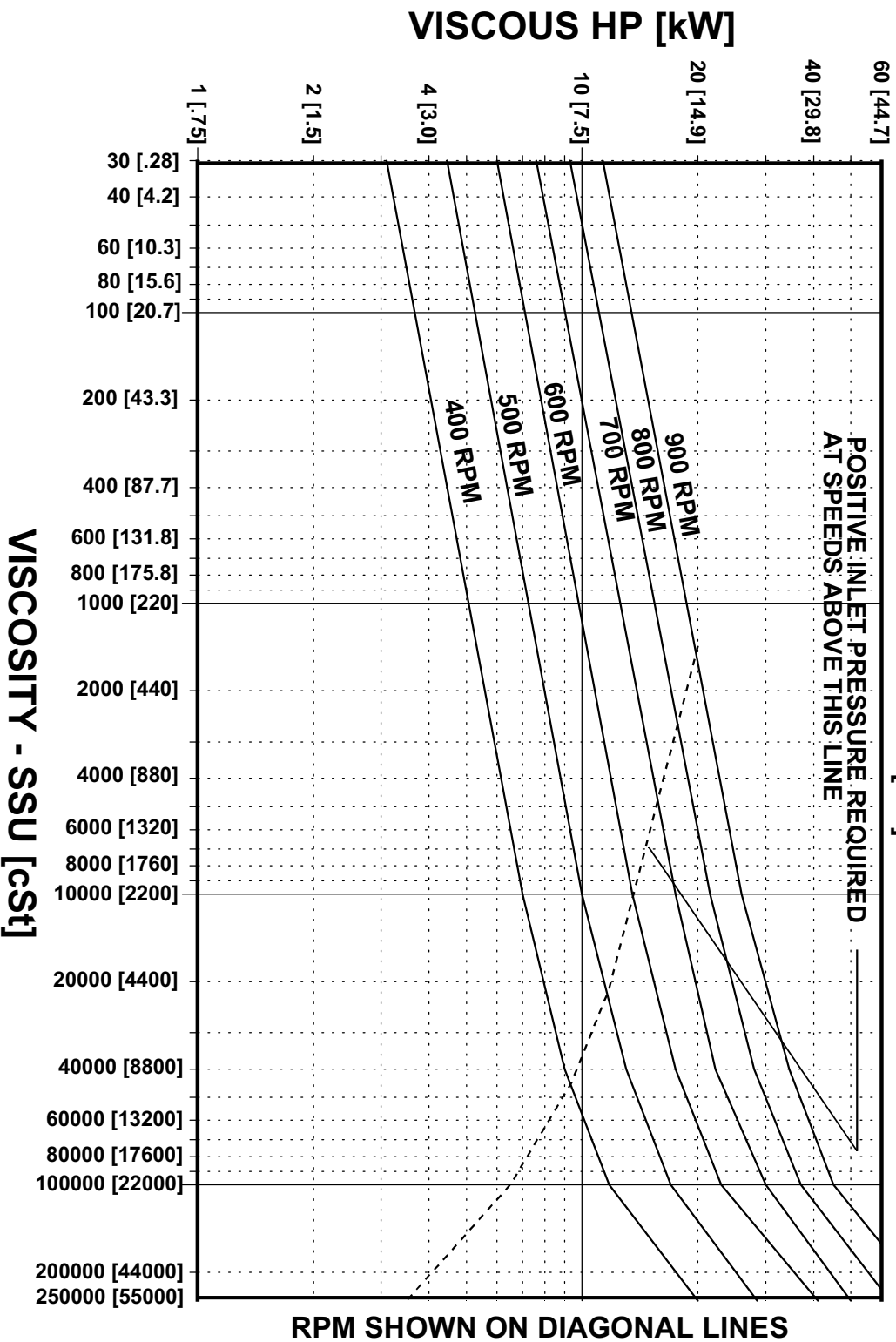


SERIES: 3648, 3748

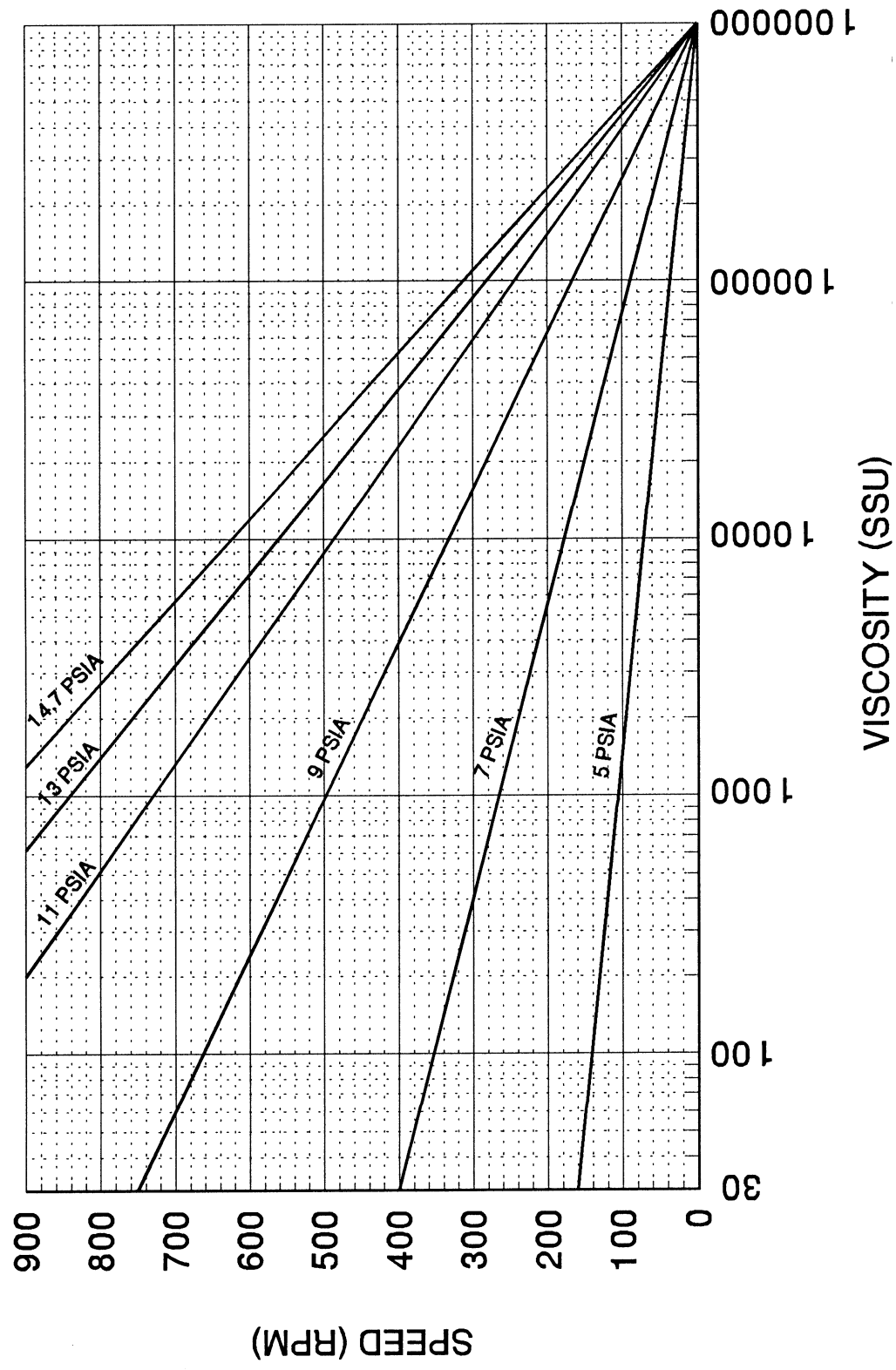
GRAPH 4

VISCOUS HORSEPOWER

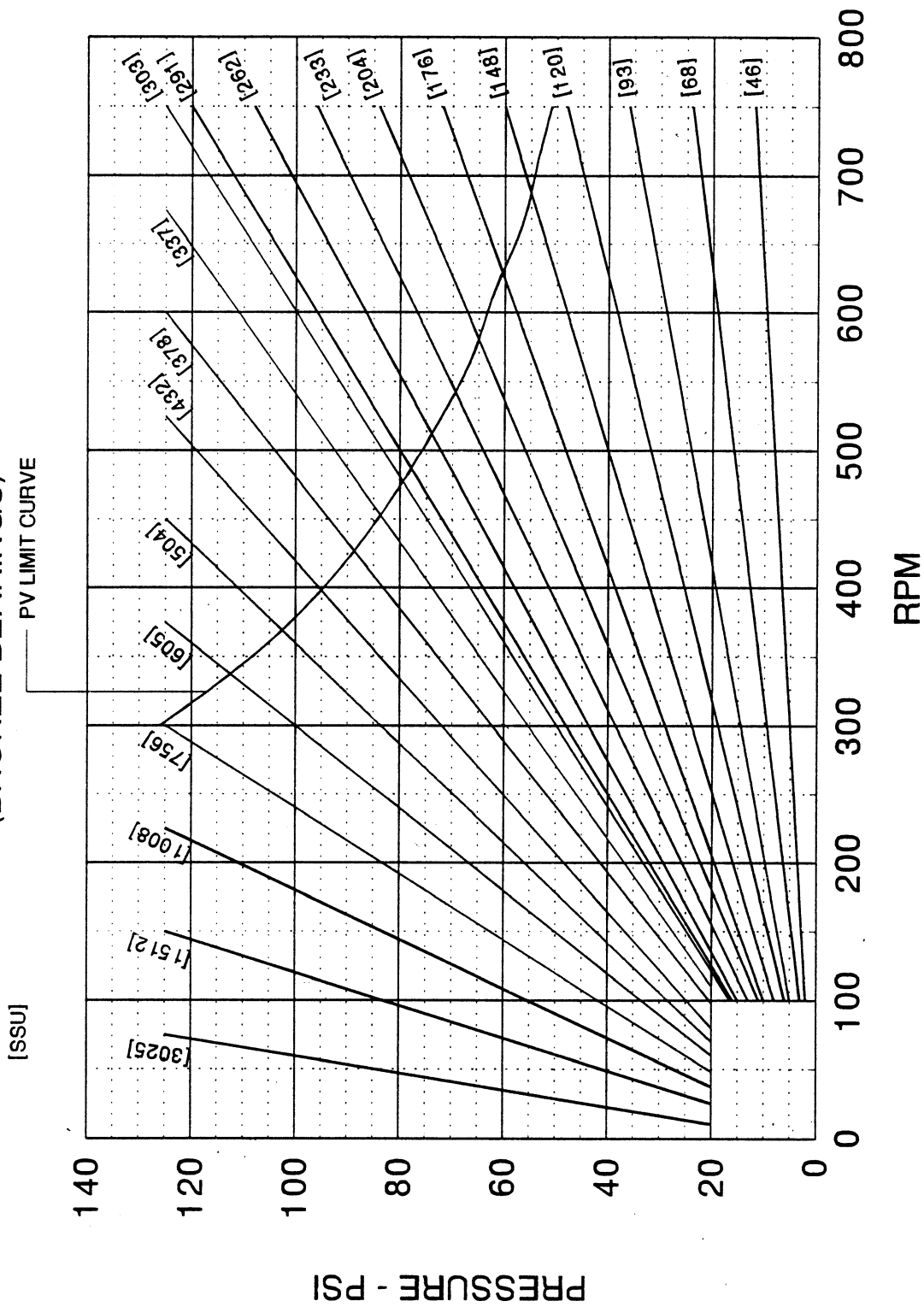
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



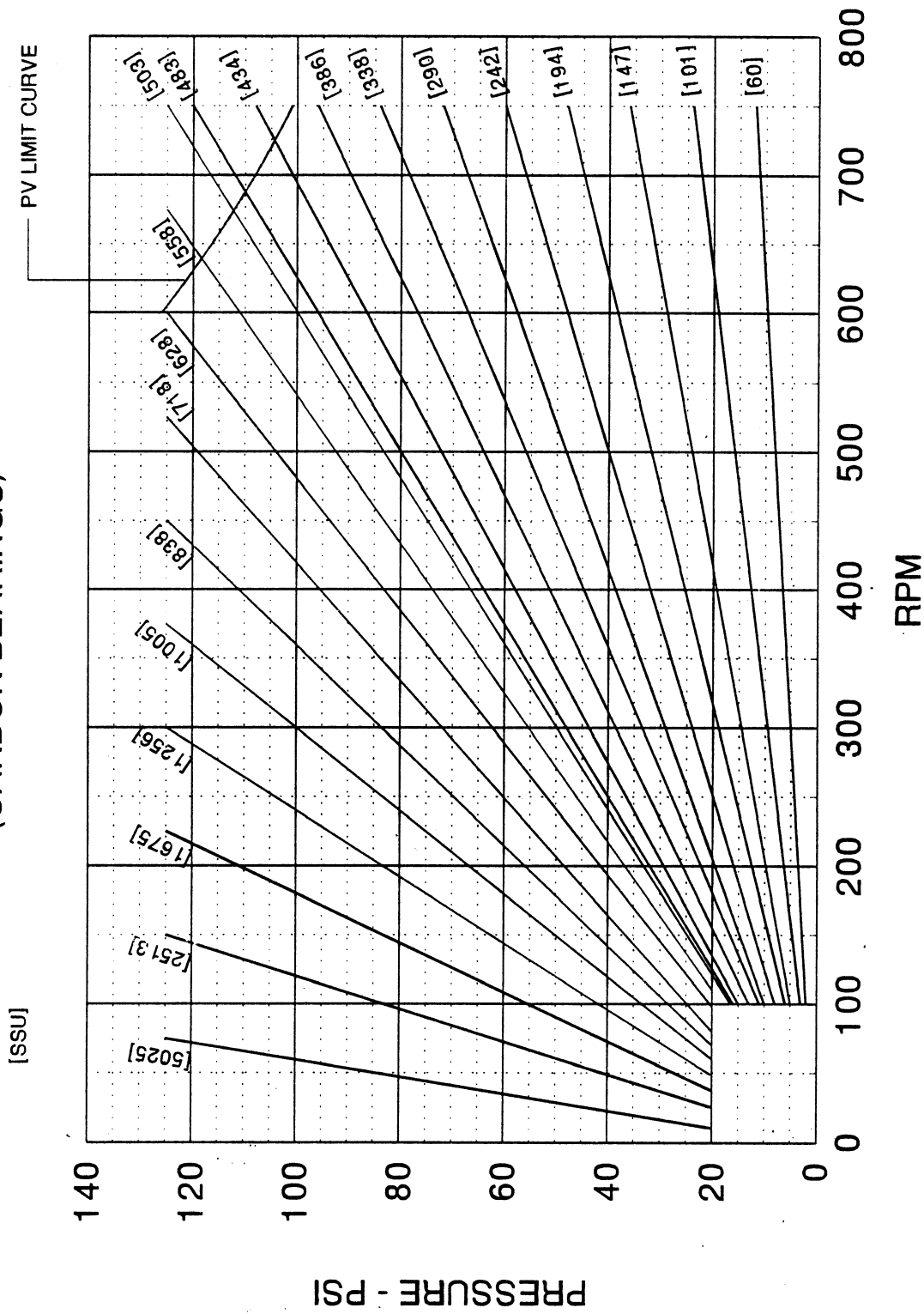
3648 - 3748
REQUIRED NET INLET PRESSURE



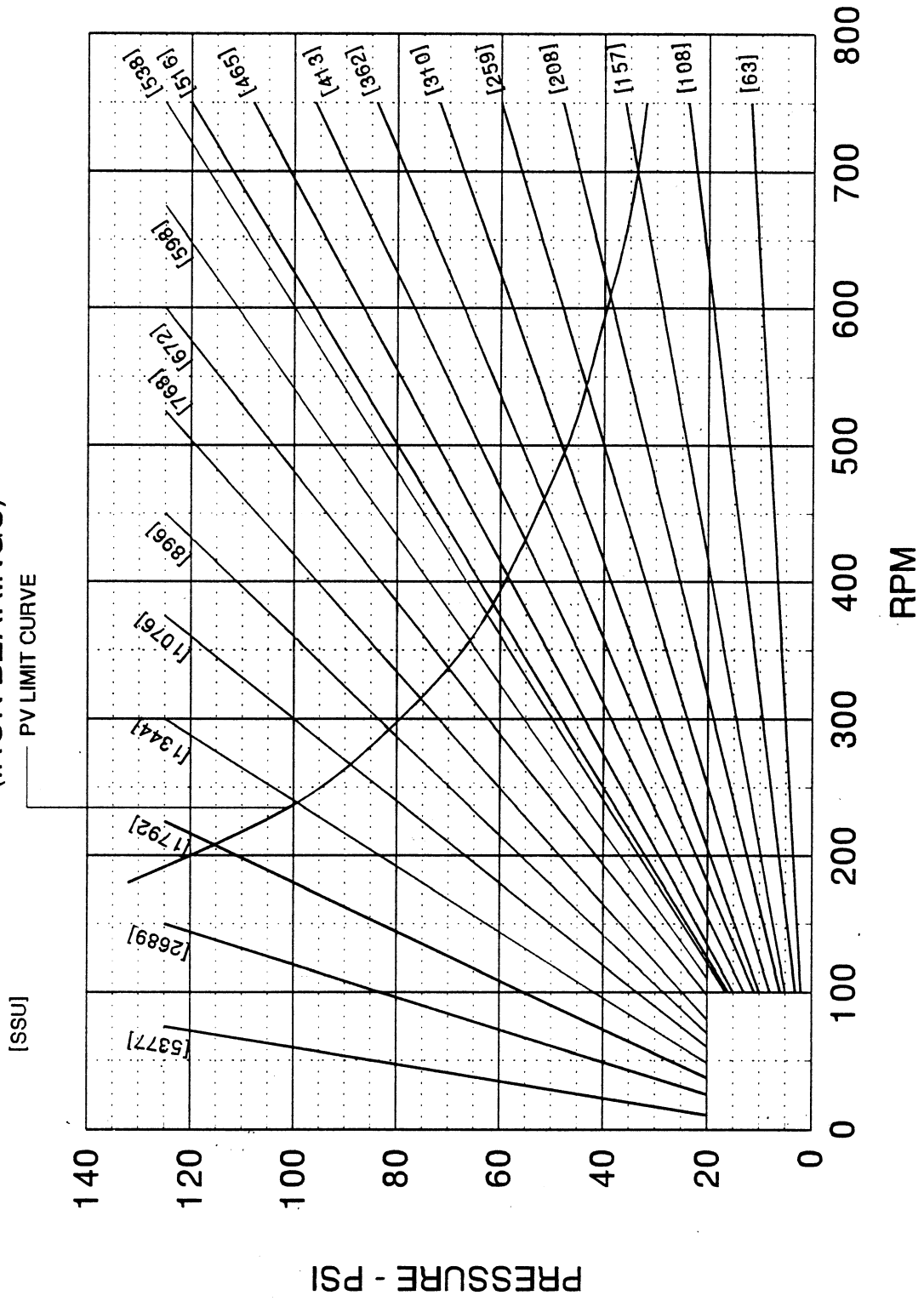
3648,3748 (BRONZE BEARINGS)



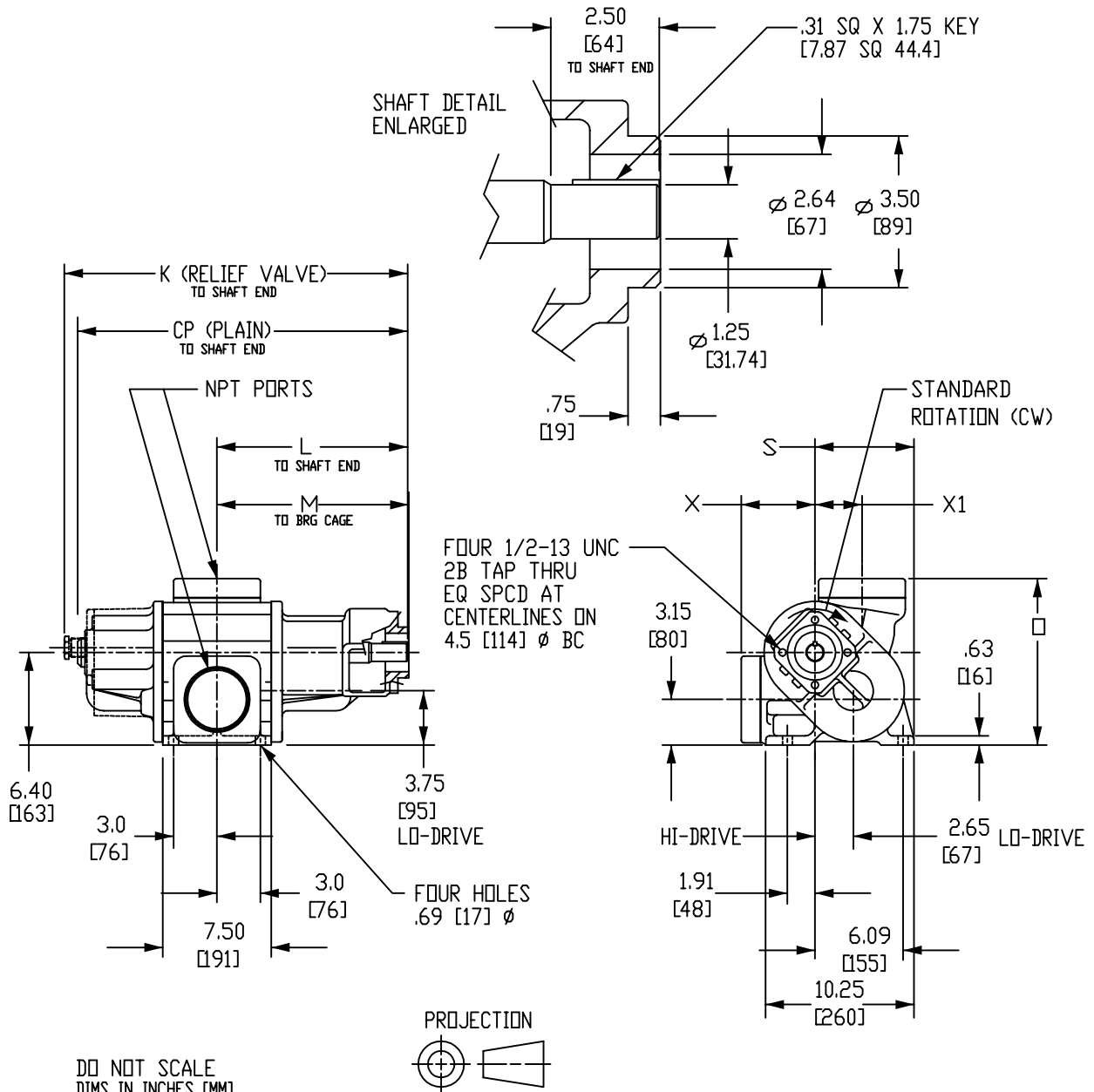
3648,3748 (CARBON BEARINGS)



3648,3748 (IRON BEARINGS)



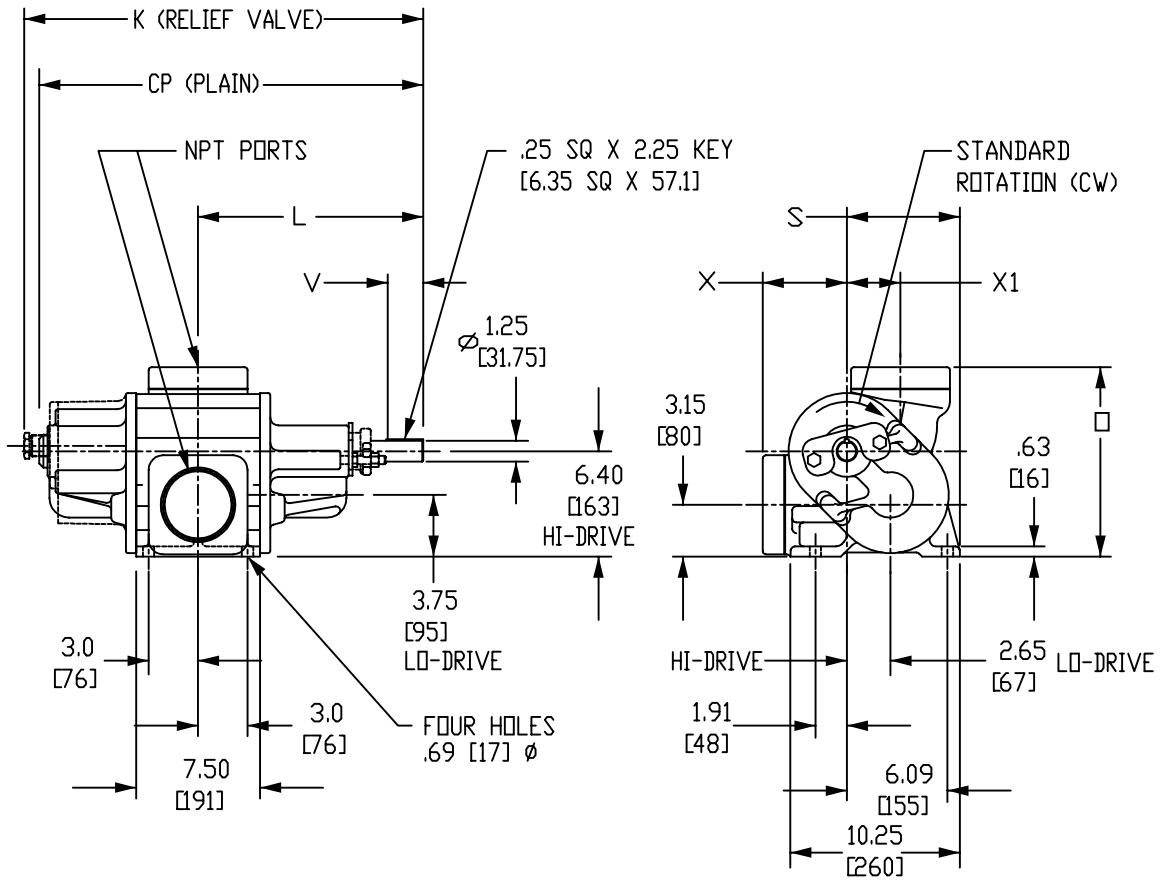
3648-3748 BHF,RV TYPE 3



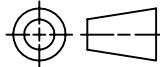
DO NOT SCALE
DIMS IN INCHES [MM]

PUMP	CP	K	L	M	$\square$	PORTS	S	V	X	X1
3648 & 3748 BHF	22.81	23.72	13.17	13.25	11.50	4" FLANGED	6.84	2.50	5.10	3.25
3648 & 3748 BHF RV	[579]	[602]	[334]	[337]	[292]		[174]	[64]	[130]	[83]

3648-3748 HF,RV TYPE 3



PROJECTION



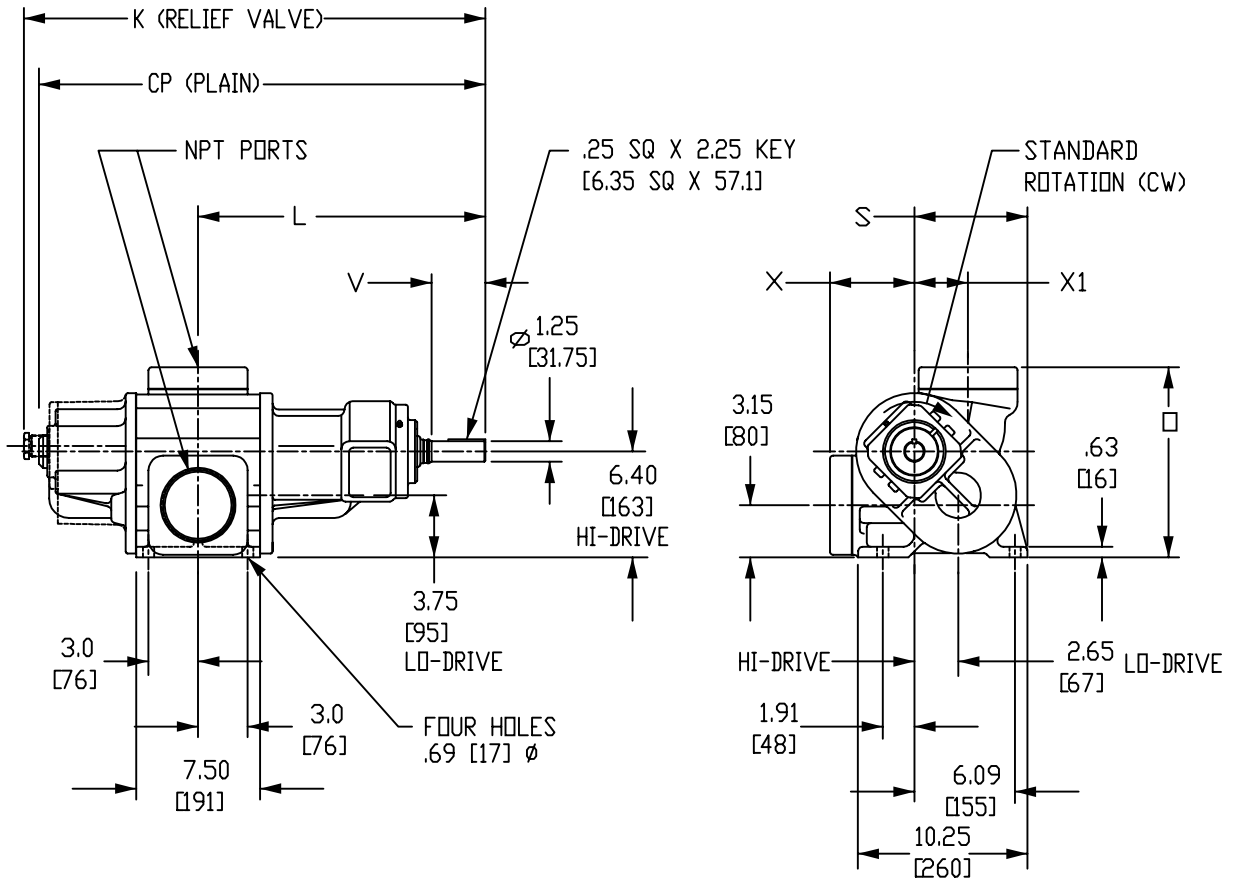
DO NOT SCALE
DIMS IN INCHES [MM]

▲ PACKED BOX

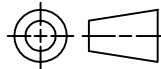
★ MECH SEAL

PUMP	CP	K	L	□	PORTS	S	▲ V ★	X	X1	
3648 & 3748 HF	23.29	24.21	13.66	11.50	4" FLANGED	6.84	2.29	4.00	5.10	3.25
3648 & 3748 HFRV	[592]	[615]	[347]	[292]		[174]	[58]	[102]	[130]	[83]

3648-3748 HBF,RV TYPE 3



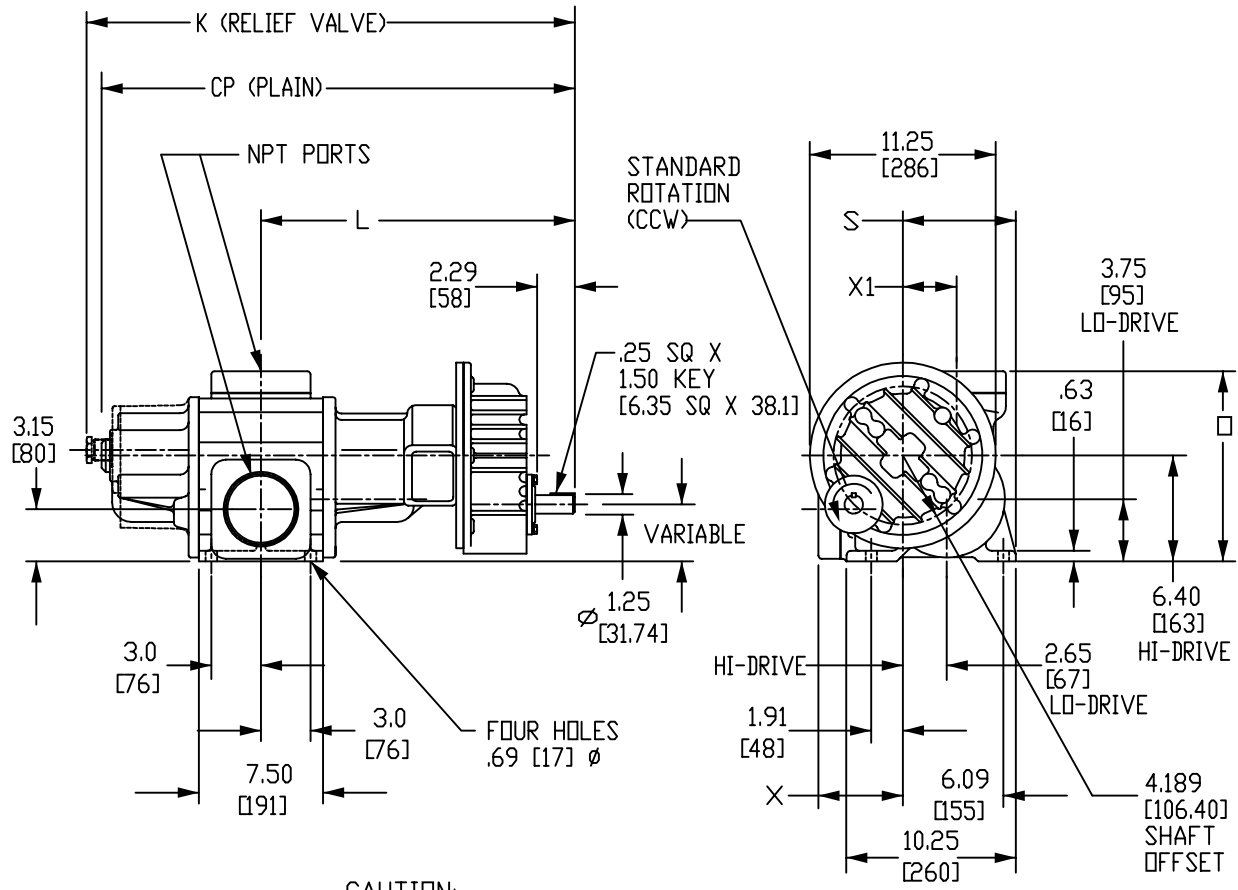
PROJECTION



DO NOT SCALE
DIMS IN INCHES [MM]

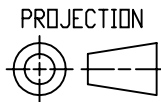
PUMP	CP	K	L	$\square$	PORTS	S	V	X	X1
3648 & 3748 HBF	27.02	27.93	17.38	11.50	4" FLANGED	6.84	3.94	5.10	3.25
3648 & 3748 HBFRV	[686]	[710]	[442]	[292]		[174]	[100]	[130]	[83]

3648-3748 GHBF,RV TYPE 3



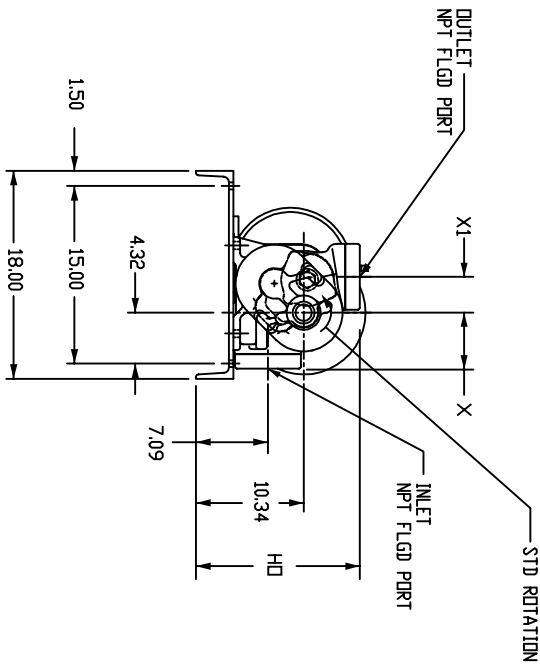
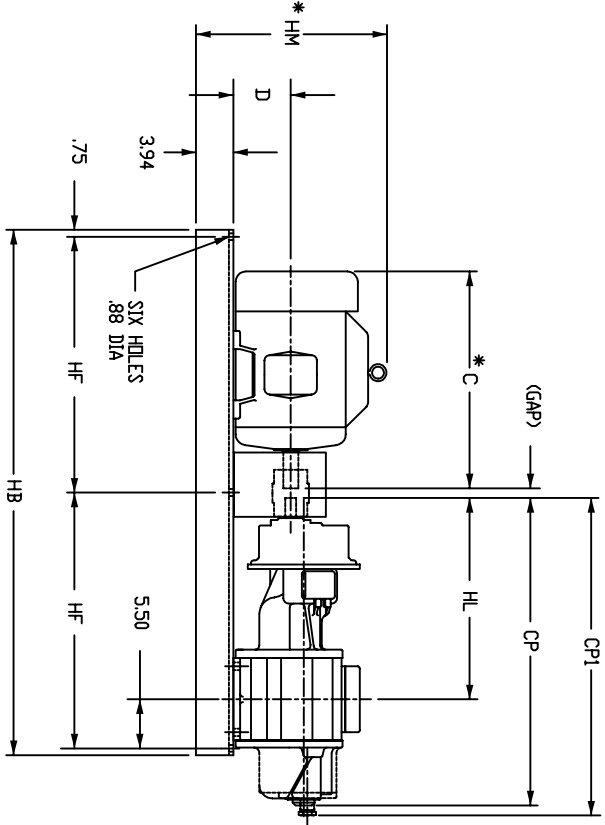
CAUTION:
LO-DRIVE CONFIGURATION CAUSES GEARBOX TO
PROJECT BELOW MOUNTING SURFACE OF PUMP.

DO NOT SCALE
DIMS IN INCHES [MM]



PUMP	CP	K	L	□	PORTS	S	X	X1
3648 & 3748 GHBF	28.63	29.55	19.00	11.50	4" FLANGED	6.84	5.10	3.25
3648 & 3748 GHBF RV	[727]	[751]	[483]	[292]		[174]	[130]	[83]

3648-3748 MGHBF RV TYPE 3



✓ PUMP	PORT SIZE	X	X1	CP	CP1	HL	HD	PLAIN	W/RV
3648-3748 HBF, RV	4" NPT FLG	5.10	3.25	28.63	29.55	19.00	15.44	257	260

✓ MOTOR FRAME	* MOTOR WEIGHT	BASE/COUPLING/HARDWARE WEIGHT	* C	D	* HM	HB	HF	(GAP)
182T	97	177	16.56	5.5	16.19	48	23.25	.88
184T	110		18.06					
213T	162		18.56	6.25	17.94			
215T	189	179	21.09					
254T	283		23.19	6.25	18.13	52	25.25	1.0
256T	290	196						
284T	396		27.76	7.0	21.10			
286T	417	211						

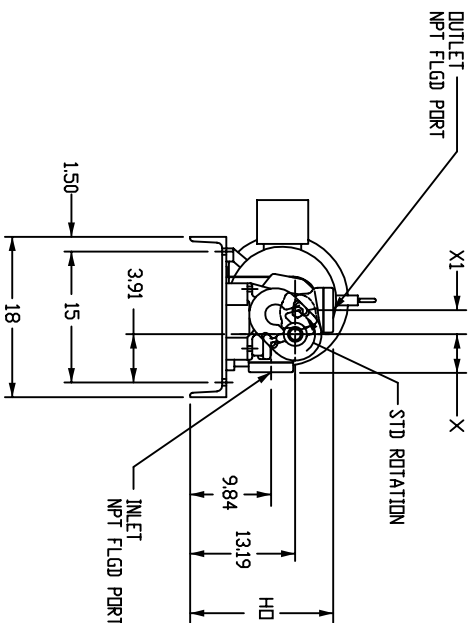
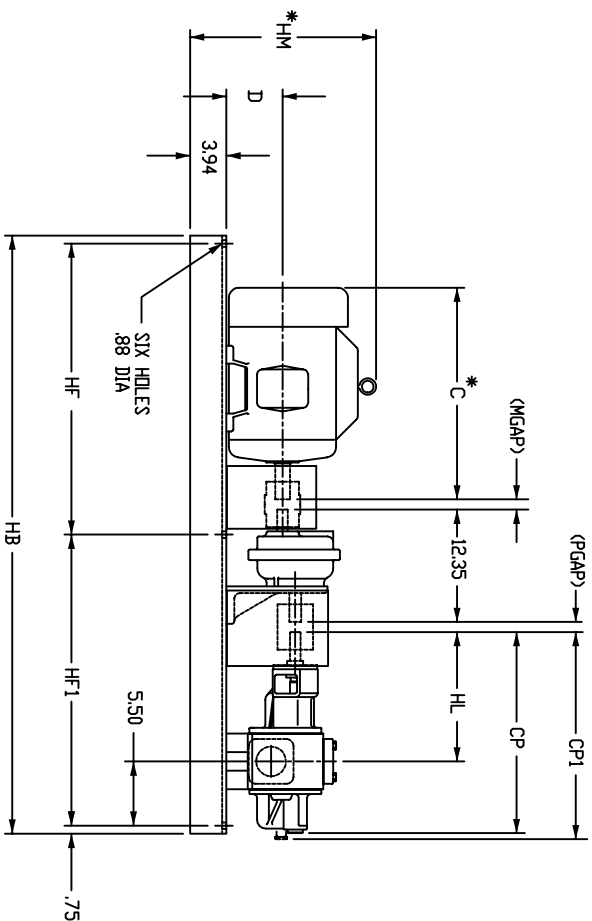


ROPER PUMP COMPANY
P.O. BOX 269
3475 OLD MARYSVILLE RD
COMMERCE, GEORGIA 30529 U.S.A.
TELEPHONE: (706) 335-5551
TELEFAX: (706) 335-5505

✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
* DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TEFC 3 PHASE MOTORS.
RV = RELIEF VALVE
LOVEJOY COUPLINGS STANDARD

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____

3648-3748 MHB,F,RV TYPE 3
(WITH ROPER FIGURE 4124 GEAR REDUCER)



PUMP	APPROXIMATE PUMP WEIGHT	
	PLAIN	W/RV
✓ PUMP		
3648-3748 MHB, RV	4" NPT FLG	5.10 3.25 27.02 27.93 17.38 18.29 202 203

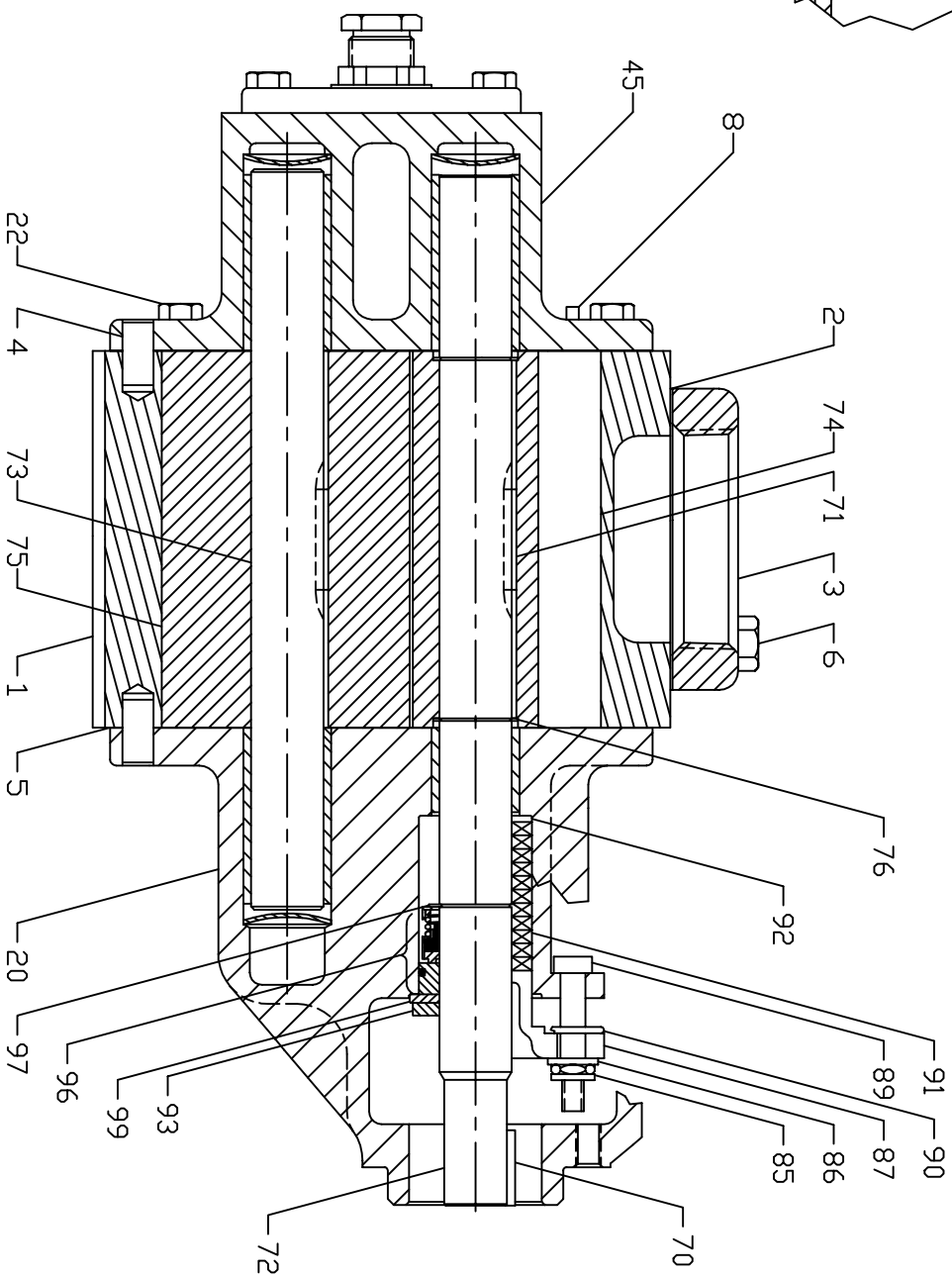
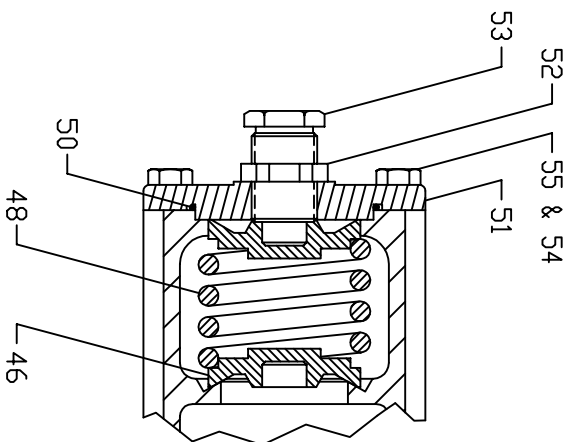
✓ MOTOR FRAME	MOTOR WEIGHT	BASE/COUPLING/HARDWARE WEIGHT	* C	D	*HM	HB	HF	HF1	(PGAP)	(MGAP)
182T	97	342	16.56	4.50	15.19	52	32.75	17.75	.88	.88
184T	110		18.06							
213T	162	346	18.56	5.25	16.94	56	23.25	31.25		.88
215T	189		21.09							
254T	283		23.19	6.25	18.13	60	29.25	29.25	1.0	
256T	290	374	23.19							
284T	396		27.76							
286T	417	404	27.76	7.00	21.10	62	31.25	29.25		1.0



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TELEFAX: (706) 335-5505

✓ = UNIT SELECTED
DIMENSIONS IN INCHES
WEIGHTS IN POUNDS
*DIMENSIONS AND MOTOR WEIGHTS WILL VARY BASED ON
MOTOR MANUFACTURER AND TYPE. CHART DIMENSIONS
AND MOTOR WEIGHTS BASED ON TFC 3 PHASE MOTORS.
RV = RELIEF VALVE
FIGURE 4124 GEAR REDUCER WEIGHT = 120
LOVEJOY COUPLINGS STANDARD

DATE: _____
PUMP NO.: _____
ROPER NO.: _____
CUSTOMER: _____
CUSTOMER NO.: _____
SERVICE: _____



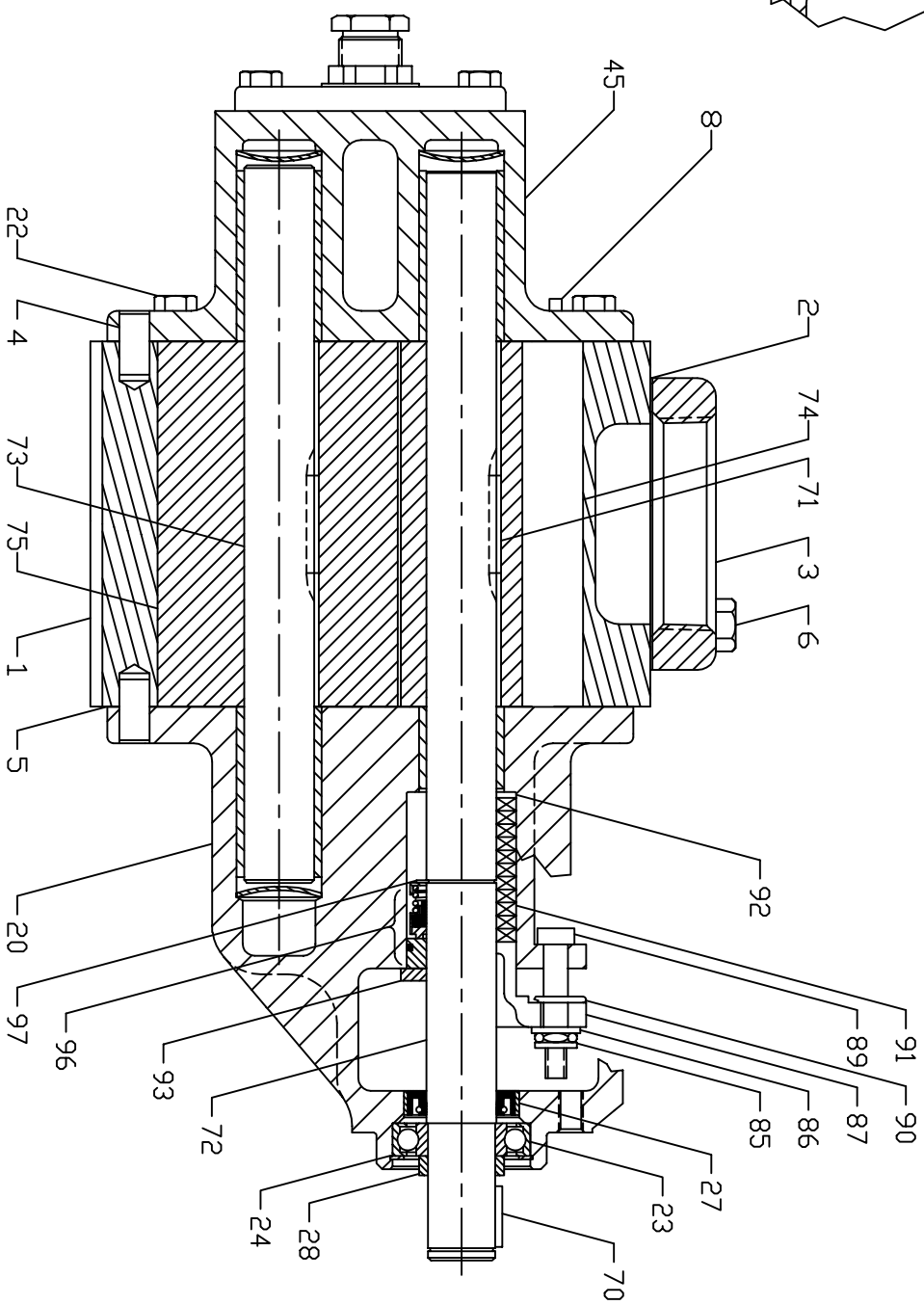
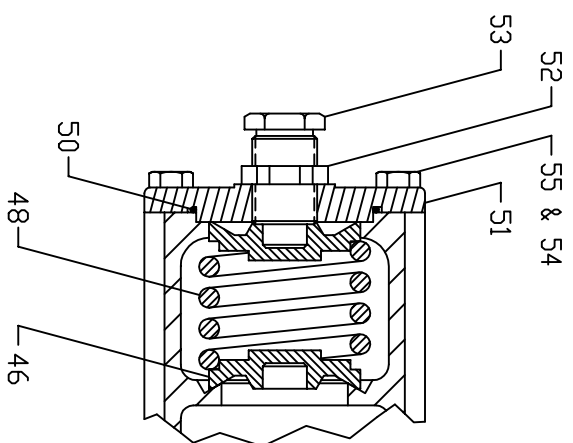
3648-3748 BHF,RV

3648 & 3748 BHF,RV

KEY NO.	DESCRIPTION	3648 & 3748	
		QTY	PART NO.
1	Case	1	P1-481
2	Gasket, Flange	2	D11-90
3	Flange	2	P23-19
4	Dowel Pin	4	G48-49
5	Case Gasket	3	D11-397
6	Hex Hd Cap Screw	8	G49-062200
8	Pipe Plug	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1040
22	Hex Hd Cap Screw, Plain	16	G49-050150
	Hex Hd Cap Screw, RV	14	G49-050150
45	Faceplate Assy, Plain, Brz Brgs	1	N3-477
	Faceplate Assy, RV, Brz Brgs	1	N3-405
46	Poppet	1	D16-112
48	Spring, Std Press	1	G10-383
	Spring, High Press	1	G10-386
50	"O" Ring, RV Cap	1	G14-485
51	RV Cap	1	P14-44
52	Nut, Lock & Seal	1	G33-6
53	Adjusting Screw	1	D15-42
54	Nut	1	G44-050
55	Hex Hd Cap Screw, RV	2	G49-050600
70	Key, Drive	1	D30-216
71	Key, Gear	2	D30-10
72	Drive Shaft	1	D1-2435
73	Idler Shaft	1	D1-2087
74	Gear, LH	1	P6-383
75	Gear, RH	1	P6-385
76	Ret Ring	2	G41-119
85	Locknut	2	G43-12
86	Pkg Gland Clip	2	D42-4
87	Pkg Gland	1	P10-179
89	Sq Hd Bolt, Pkg	2	G67-050300
	Sq Hd Bolt, Mech Seal	2	G67-050125
90	Spring Clip	1	D42-3
91	Pkg Set	1	N43-3
92	Pkg Washer	1	G8-249
93	Seal Retainer	1	D23-267
96	Mech Seal, Complete	1	G4-112
97	Ret Ring	1	G41-155
99	Seal Locator Ring	1	D8-444

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

Faceplate Assy includes Brz Brgs: (2) G5-265



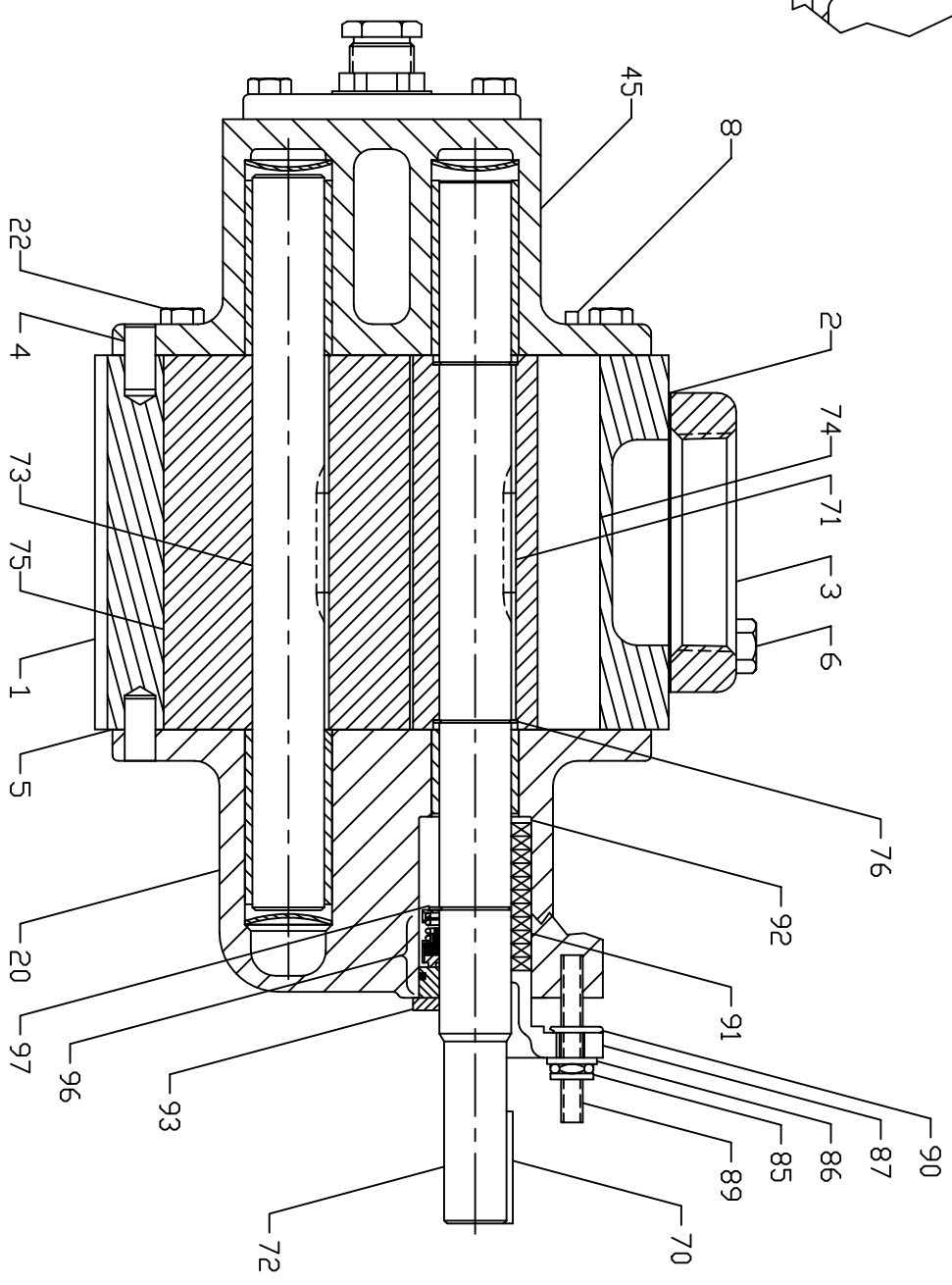
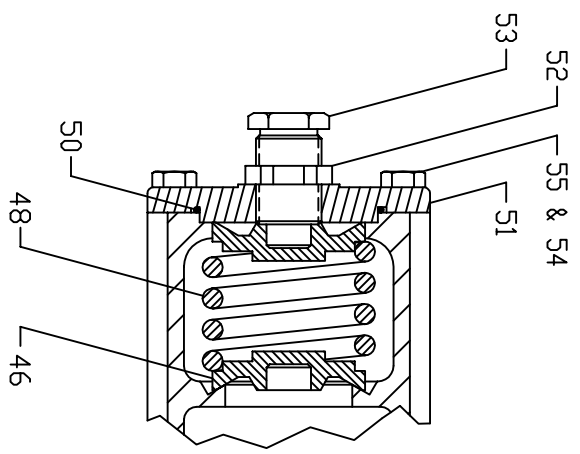
3648-3748 GHBf, D, RV

3648 & 3748 GHBF,O,RV

KEY NO.	DESCRIPTION	3648 & 3748	
		QTY	PART NO.
1	Case	1	P1-481
2	Gasket, Flange	2	D11-90
3	Flange	2	P23-19
4	Dowel Pin	4	G48-49
5	Case Gasket	3	D11-397
6	Hex Hd Cap Screw	8	G49-062200
8	Pipe Plug	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1040
22	Hex Hd Cap Screw, Plain	16	G49-050150
	Hex Hd Cap Screw, RV	14	G49-050150
23	Ball Brg	1	G40-31
24	Ret Ring	1	G41-25
27	Lip Seal	1	D83-9
28	Spacer	1	D45-27
45	Faceplate Assy, Plain, Brz Brgs	1	N3-477
	Faceplate Assy, RV, Brz Brgs	1	N3-405
46	Poppet	1	D16-112
48	Spring, Std Press	1	G10-383
	Spring, High Press	1	G10-386
50	"O" Ring, RV Cap	1	G14-485
51	RV Cap	1	P14-44
52	Nut, Lock & Seal	1	G33-6
53	Adjusting Screw	1	D15-42
54	Nut	1	G44-050
55	Hex Hd Cap Screw, RV	2	G49-050600
70	Key, Drive	1	D30-22
71	Key, Gear	2	D30-10
72	Drive Shaft	1	D1-2011
73	Idler Shaft	1	D1-2087
74	Gear, LH	1	P6-383
75	Gear, RH	1	P6-384
85	Locknut	2	G43-12
86	Pkg Gland Clip	2	D42-4
87	Pkg Gland	1	P10-179
89	Sq Hd Bolt, Pkg	2	G67-050300
	Sq Hd Bolt, Mech Seal	2	G67-050125
90	Spring Clip	1	D42-3
91	Pkg Set	1	N43-3
92	Pkg Washer	1	G8-249
93	Seal Retainer	1	D23-267
96	Mech Seal, Complete	1	G4-112
97	Ret Ring	1	G41-155
98	Seal Spacer	1	D45-166

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

Faceplate Assy includes Brz Brgs: (2) G5-265



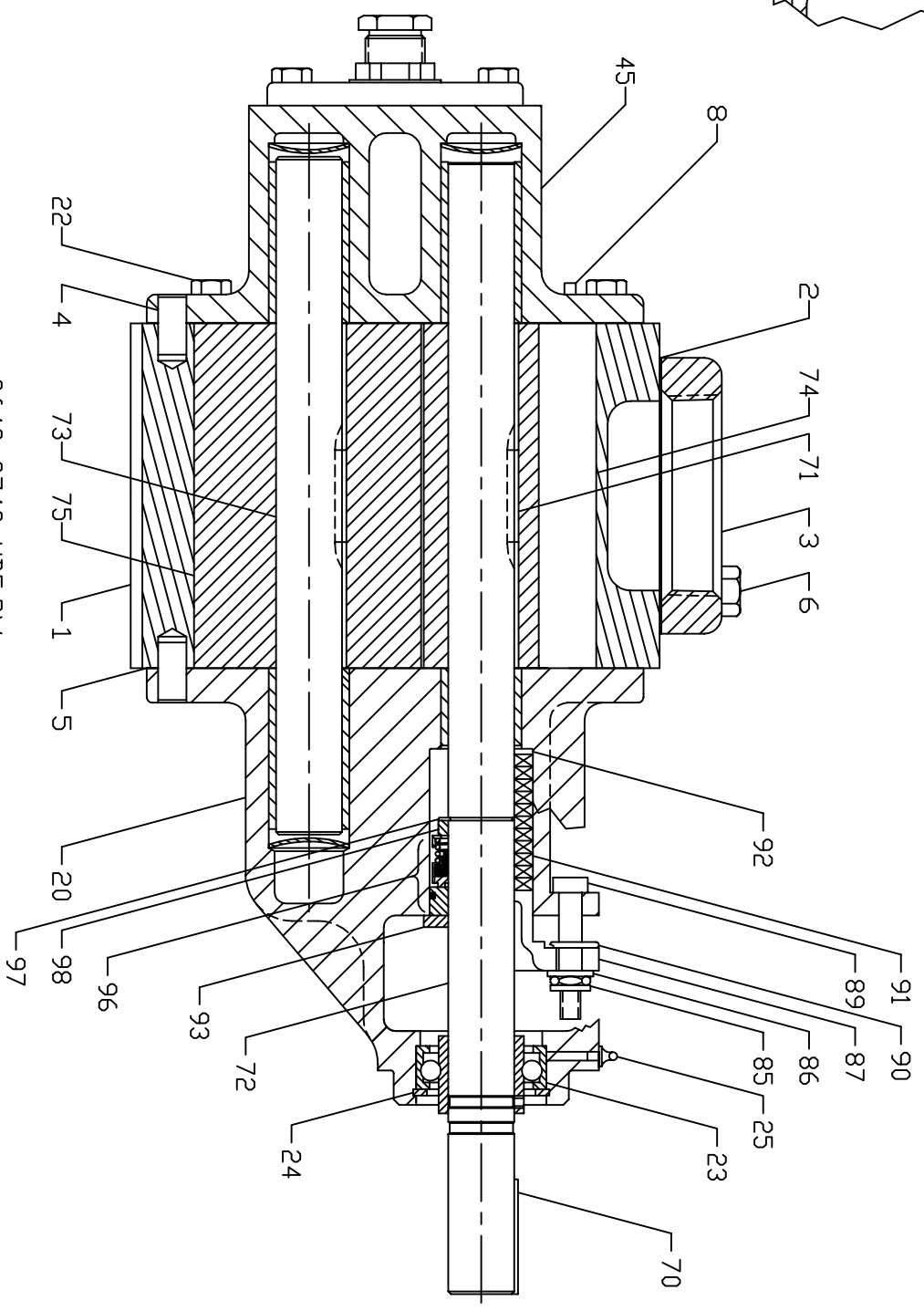
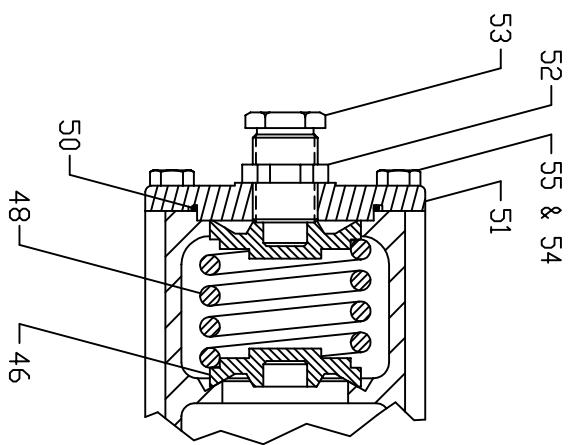
3648-3748 HF,RV

3648 & 3748 HF,RV

KEY NO.	DESCRIPTION	3648 & 3748	
		QTY	PART NO.
1	Case	1	P1-481
2	Gasket, Flange	2	D11-90
3	Flange	2	P23-19
4	Dowel Pin	4	G48-49
5	Case Gasket	3	D11-397
6	Hex Hd Cap Screw	8	G49-062200
8	Pipe Plug	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1032
22	Hex Hd Cap Screw, Plain	16	G49-050150
	Hex Hd Cap Screw, RV	14	G49-050150
45	Faceplate Assy, Plain, Brz Brgs	1	N3-477
	Faceplate Assy, RV, Brz Brgs	1	N3-405
46	Poppet	1	D16-112
48	Spring, Std Press	1	G10-383
	Spring, High Press	1	G10-386
50	"O" Ring, RV Cap	1	G14-485
51	RV Cap	1	P14-44
52	Nut, Lock & Seal	1	G33-6
53	Adjusting Screw	1	D15-42
54	Nut	1	G44-050
55	Hex Hd Cap Screw, RV	2	G49-050600
70	Key, Drive	1	D30-11
71	Key, Gear	2	D30-10
72	Drive Shaft	1	D1-2086
73	Idler Shaft	1	D1-2087
74	Gear, LH	1	P6-383
75	Gear, RH	1	P6-385
76	Ret Ring	2	G41-119
85	Locknut	2	G43-12
86	Pkg Gland Clip	2	D42-4
87	Pkg Gland	1	P10-179
89	Stud, Pkg	2	G2-4
	Hex Hd Cap Screw, Mech Seal	2	G49-050150
91	Pkg Set	1	N43-3
92	Pkg Washer	1	G8-249
93	Seal Retainer	1	D23-267
96	Mech Seal, Complete	1	G4-112
97	Ret Ring	1	G41-155

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

Faceplate Assy includes Brz Brgs: (2) G5-265



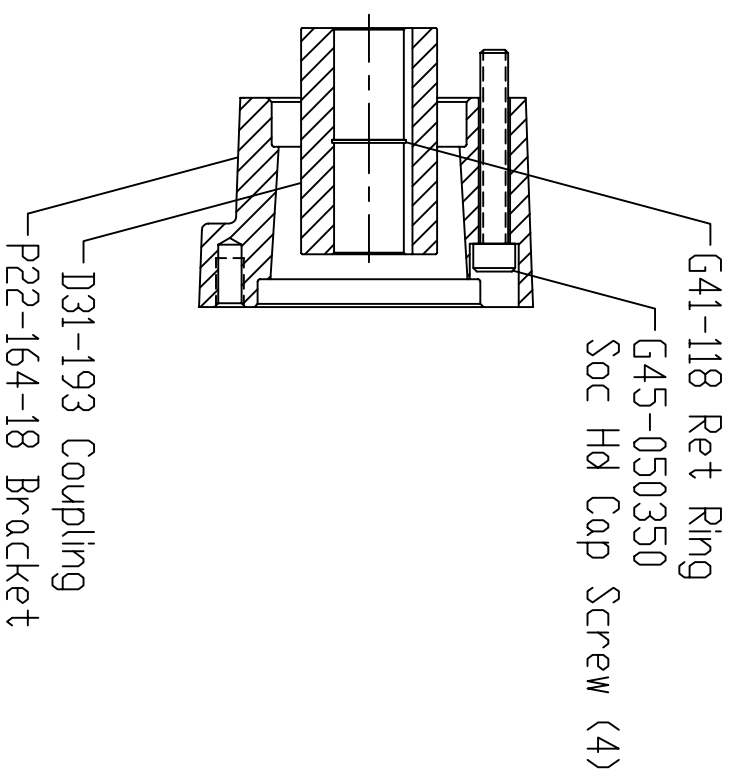
3648-3748 HBF,RV

3648 & 3748 HBF,RV

KEY NO.	DESCRIPTION	3648 & 3748	
		QTY	PART NO.
1	Case	1	P1-481
2	Gasket, Flange	2	D11-90
3	Flange	2	P23-19
4	Dowel Pin	4	G48-49
5	Case Gasket	3	D11-397
6	Hex Hd Cap Screw	8	G49-062200
8	Pipe Plug	2	G56-12
20	Backplate Assy, Brz Brgs	1	N2-1036
22	Hex Hd Cap Screw, Plain	16	G49-050150
	Hex Hd Cap Screw, RV	14	G49-050150
23	Ball Brg	1	G40-35
24	Ret Ring	1	G41-5
25	Lube Ftg	1	G63-1
45	Faceplate Assy, Plain, Brz Brgs	1	N3-477
	Faceplate Assy, RV, Brz Brgs	1	N3-405
46	Poppet	1	D16-112
48	Spring, Std Press	1	G10-383
	Spring, High Press	1	G10-386
50	"O" Ring, RV Cap	1	G14-485
51	RV Cap	1	P14-44
52	Nut, Lock & Seal	1	G33-6
53	Adjusting Screw	1	D15-42
54	Nut	1	G44-050
55	Hex Hd Cap Screw, RV	2	G49-050600
70	Key, Drive	1	D30-11
71	Key, Gear	2	D30-10
72	Drive Shaft	1	D1-2009
73	Idler Shaft	1	D1-2087
74	Gear, LH	1	P6-383
75	Gear, RH	1	P6-384
85	Locknut	2	G43-12
86	Pkg Gland Clip	2	D42-4
87	Pkg Gland	1	P10-179
89	Sq Hd Bolt, Pkg	2	G67-050300
	Sq Hd Bolt, Mech Seal	2	G67-050125
90	Spring Clip	1	D42-3
91	Pkg Set	1	N43-3
92	Pkg Washer	1	G8-249
93	Seal Retainer	1	D23-267
96	Mech Seal, Complete	1	G4-112
97	Ret Ring	1	G41-155
98	Seal Spacer	1	D45-166

Backplate Assy includes Brz Brgs: (1) G5-264 and (1) G5-265

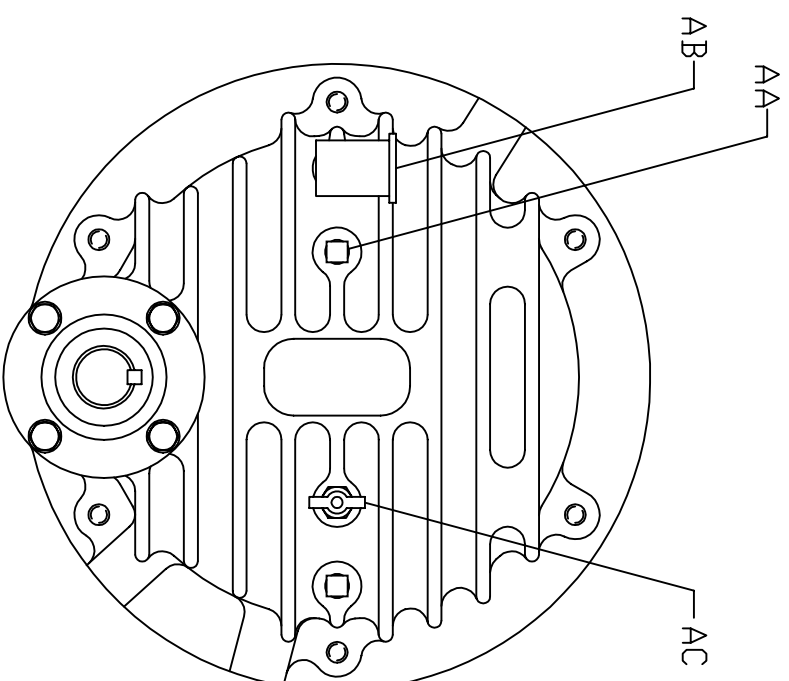
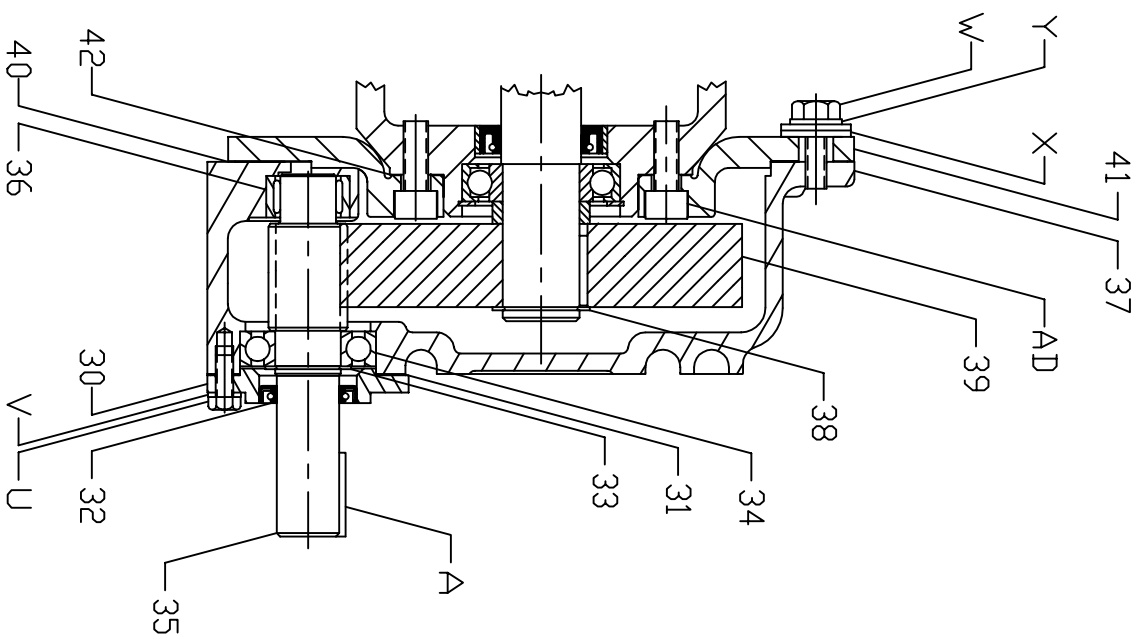
Faceplate Assy includes Brz Brgs: (2) G5-265



3648-3748 MBH,F,RV
COUPLING ASSEMBLY

N41-XXX-1

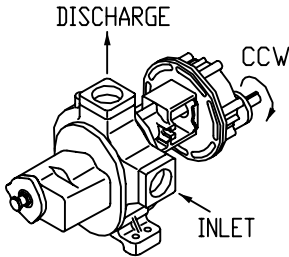
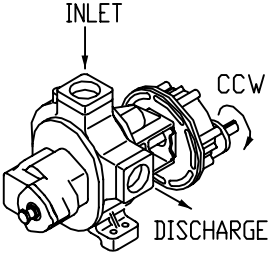
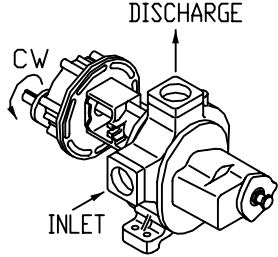
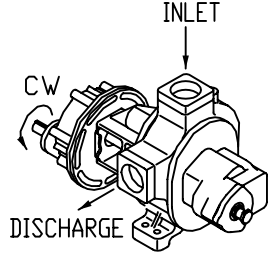
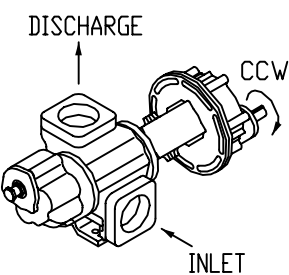
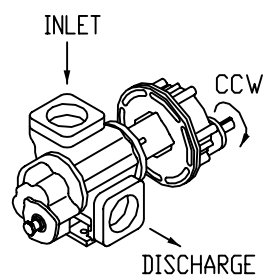
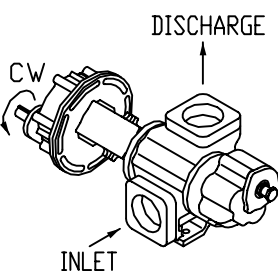
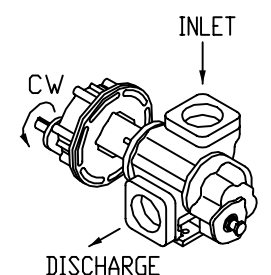
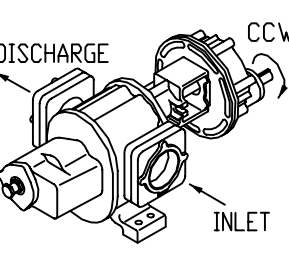
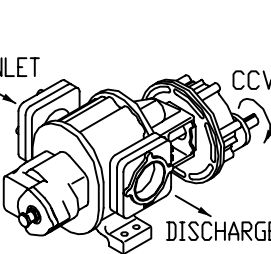
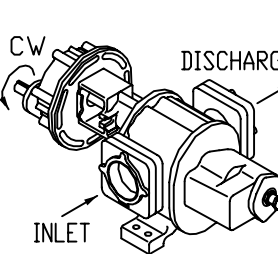
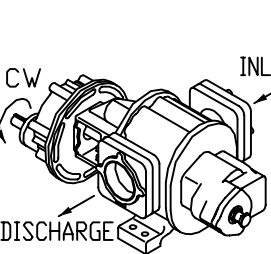
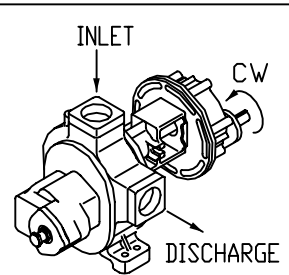
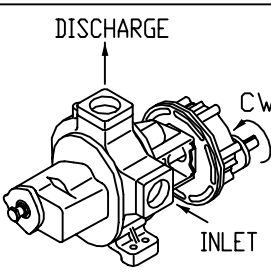
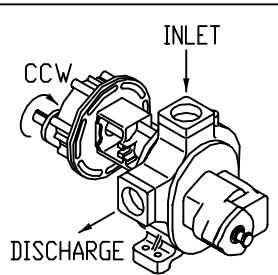
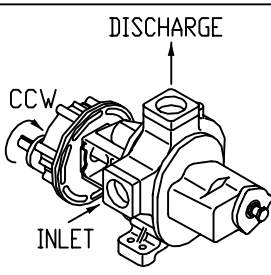
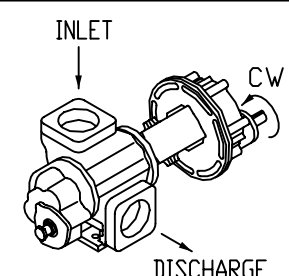
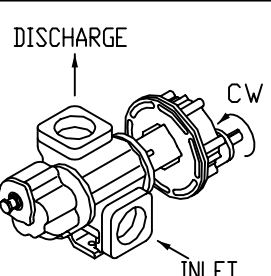
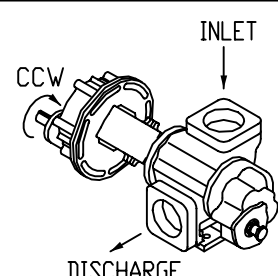
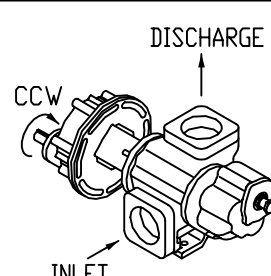
KEY NO.	DESCRIPTION	N41-320-1		N41-394-1		N41-460-1	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	D83-22	1	D83-22	1	D83-22
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-120	1	D37-117	1	D37-115
36	Needle Bearing	1	G40-30	1	G40-30	1	G40-30
37	Gear Case	1	P49-2	1	P49-2	1	P49-2
38	Retaining Ring	1	G41-76	1	G41-76	1	G41-76
39	Drive Gear	1	D37-64	1	D37-67	1	D37-69
40	Gear Case Gasket	1	D11-278	1	D11-278	1	D11-278
41	Gear Box Cover	1	P22-13	1	P22-13	1	P22-13
42	Cover Gasket	1	D11-276	1	D11-276	1	D11-276
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cup	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-037100	4	G45-037100	4	G45-037100
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-037125	6	G49-037125	6	G49-037125
X	Flat Washer	12	G8-52	12	G8-52	12	G8-52
Y	Lockwasher	6	G8-72	6	G8-72	6	G8-72



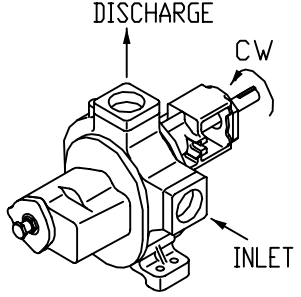
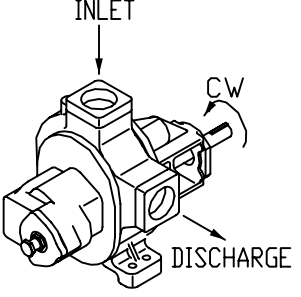
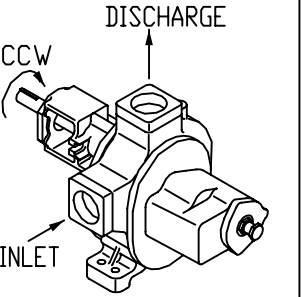
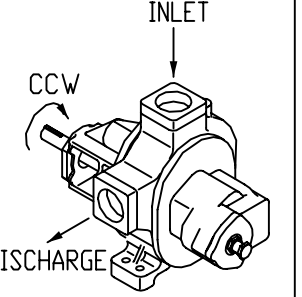
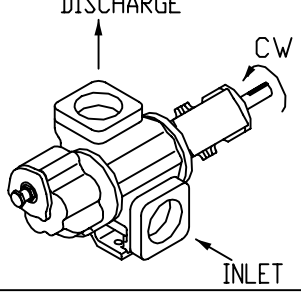
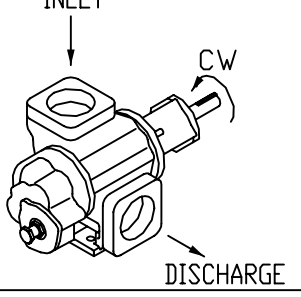
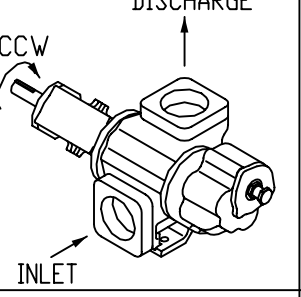
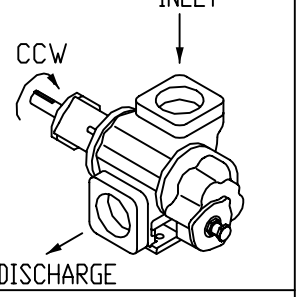
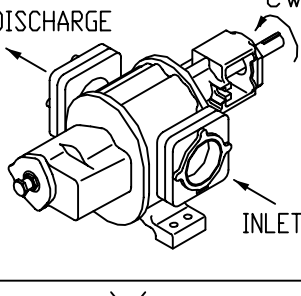
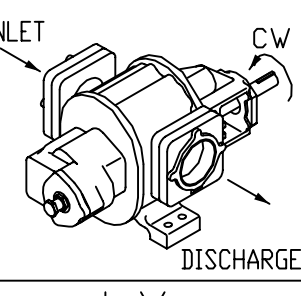
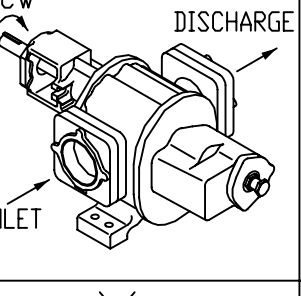
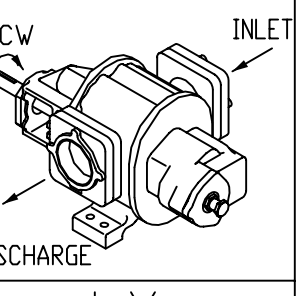
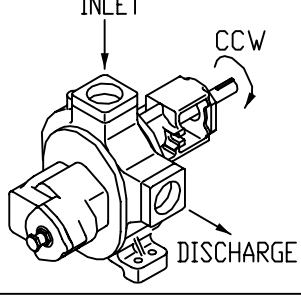
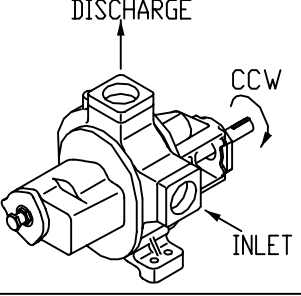
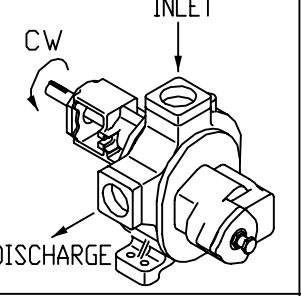
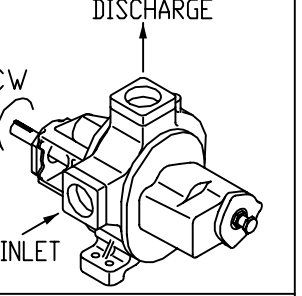
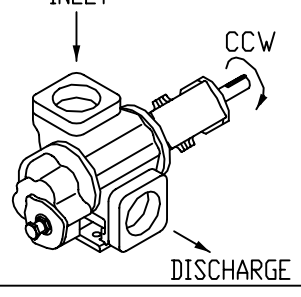
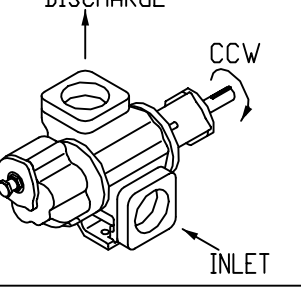
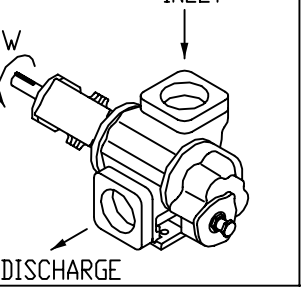
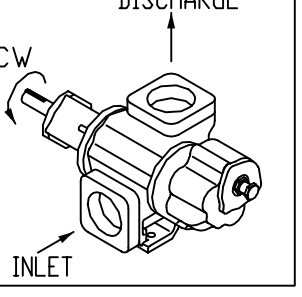
N41-3

N41-XXX-3

KEY NO.	DESCRIPTION	N41-426-3		N41-488-3		N41-566-3	
		QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
30	Bearing Retainer	1	P4-384	1	P4-384	1	P4-384
31	Bearing Retainer Gasket	1	D11-277	1	D11-277	1	D11-277
32	Lip Seal	1	G17-84	1	G17-84	1	G17-84
33	Retaining Ring	1	G41-78	1	G41-78	1	G41-78
34	Ball Bearing	1	G40-10	1	G40-10	1	G40-10
35	Pinion Gear and Shaft	1	D37-119	1	D37-118	1	D37-116
36	Needle Bearing	1	G40-51	1	G40-51	1	G40-51
37	Gear Case	1	P49-6	1	P49-6	1	P49-6
38	Retaining Ring	1	G41-80	1	G41-80	1	G41-80
39	Drive Gear	1	D37-91	1	D37-93	1	D37-95
40	Gear Case Gasket	1	D11-305	1	D11-305	1	D11-305
41	Gear Box Cover	1	P22-25	1	P22-25	1	P22-25
42	Cover Gasket	1	D11-304	1	D11-304	1	D11-304
A	Drive Key	1	D30-9	1	D30-9	1	D30-9
AA	Pipe Plug	2	G56-12	2	G56-12	2	G56-12
AB	Oil Cap	1	G61-239	1	G61-239	1	G61-239
AC	Petcock	1	G61-71	1	G61-71	1	G61-71
AD	Socket Head Cap Screw	4	G45-050125	4	G45-050125	4	G45-050125
U	Hex Head Cap Screw	4	G49-031075	4	G49-031075	4	G49-031075
V	Lockwasher	4	G8-71	4	G8-71	4	G8-71
W	Hex Head Cap Screw	6	G49-050125	6	G49-050125	6	G49-050125
X	Flat Washer	12	G8-54	12	G8-54	12	G8-54
Y	Lockwasher	6	G8-74	6	G8-74	6	G8-74

	W	LW	Z	LZ
3X35 & 3X58				
3X48				
4X58				
	X	LX	Y	LY
3X35 & 3X58				
3X48				

DIRECTION OF ROTATION FOR 3635 TO 4758 GHB PUMP USING RELIEF VALVE

	W	LW	Z	LZ
3X35 & 3X58				
3X48				
4X58				
	X	LX	Y	LY
3X35 & 3X58				
3X48				

DIRECTION OF ROTATION FOR 3635 TO 4758 H AND HB PUMP USING RELIEF VALVE



There must be
3600 easy ways
to put these
ultra-reliable
workhorses
to use.

Trouble-Free Versatility



The leading force behind liquids.

Applications

- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils

Features

- Heavy duty cast iron helical gear pumps
- Bi-directional, self-priming
- Differential pressures to 125psi
- Up to 340gpm
- Standard operation up to 212F
- Can be built to operate up to 500F
- Maintenance-free durability

Options

- Through ports or angled ports; 2-sided or top and side configuration
- Threaded ports or flanged, tapped port connections
- Integral relief valve and integral gear reducer
- Outboard bearing, depending on drive and seal arrangements

