■ Three-piece cast iron construction
High efficiency and long life in severe operating environments.

- Low friction bushing

 Provides strength in heavy duty applications.
- Balanced thrust plates Optimize pump efficiency.
- Largest journal bearings available for high pressure and long life.



Product Features	Description
Pump Type	Heavy-duty, cast iron, external gear
Mounting	SAE standard flanges, ZF, others
Ports	SAE split flanges and other types of threaded ports, see Specifications
Shaft Style	SAE splined, keyed, and others, see Specifications
Maximum Speed	400 - 3000 rpm, see Specifications
Theor. displacement	See Specifications
Drive	Clockwise, counterclockwise, double. Direct drive with flexible coupling is recommended. Pumps subject to radial loads must be specified with an outboard bearing. Axial loading is not allowed.
Inlet pressure	30 psia (15psig) maximum pressure / 5 in. Hg maximum vacuum at operating temperature
Outlet pressure	See Specifications
Hydraulic fluids	Mineral oil, fire resistant fluids: water-oil emulsions 60/40, MFB; water-glycol, HFC; phosphate-esters, HFD (FPM seals required)

Product Features	Description
Fluid viscocity	From 7.5 to 1600 cSt (50 to 7500 sus). Recommended 15 to 75 cSt.
Fluid temperature	Mineral oil with standard seals: 0°F to 180°F (-20°C to 80°C); Fire resistant fluids HFB, HFC: 0°F to 150°F (-20°C to 65°C)
Filtration	ISO 4406 code: • 19/16 at 2000 psi/140 bar • 17/14 at 3000 psi/210 bar • 15/12 at 4000 psi/275 bar
Direction of rotation (looking at the drive shaft)	CW, CCW, Bi-Rotational
Multiple pump assemblies	Up to 6 gear selections of the same model, even with different gear widths
Separate or common inlet capability	Common

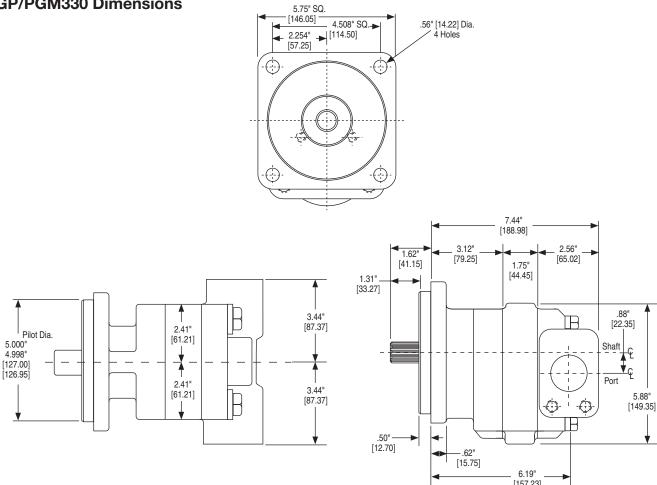


PGP/PGM330 Specifications

PGP330 Frame Size	05	07	10	12	15	17	20
Displacement – cm³/rev (in³/rev)	16.1	24.2	32.3	40.4	48.4	56.5	64.6
	(0.99)	(1.48)	(1.97)	(2.46)	(2.96)	(3.45)	(3.94)
Max continuous pressure – bar (psi)	241	241	241	241	241	224	207
	(3,500)	(3,500)	(3,500)	(3,500)	(3,500)	(3,250)	(3,000)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Approximate Weight – Lbs. [kg]	33.6	34.8	36	37.3	38.5	40	41.3
	[15.2]	[15.8]	[16.3]	[16.9]	[17.5]	[18.1]	[18.7]

PGM330 Frame Size	05	07	10	12	15	17	20
Displacement – cm³/rev	16.1	24.2	32.3	40.4	48.4	56.5	64.6
(in³/rev)	(0.99)	(1.48)	(1.97)	(2.46)	(2.96)	(3.45)	(3.94)
Max continuous pressure – bar (psi)	241	241	241	241	241	224	207
	(3,500)	(3,500)	(3,500)	(3,500)	(3,500)	(3,250)	(3,000)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Approximate Weight – Lbs. [kg]	33.6	34.8	36	37.3	38.5	40.0	41.3
	[15.2]	[15.8]	[16.3]	[16.9]	[17.5]	[18.1]	[18.7]

PGP/PGM330 Dimensions





PGP330 Pump Performance Data

Speed	Output Flow				Gear Widths			
RPM	Input Power	1/2"	3/4"	1"	1-1/4"	1-1/2"	1-3/4"	2"
	GPM	3.2	5.1	7.0	8.8	10.6	12.4	14.3
900	LPM	12	19	26	33	40	47	54
900	HP	9	13	17	21	26	28	29
	kW	6	10	13	16	19	21	22
	GPM	4.5	7.0	9.5	12.0	14.5	16.9	19.4
1200	LPM	17	26	36	45	55	64	73
1200	HP	11	17	23	28	34	37	39
	kW	8	13	17	21	25	28	29
	GPM	5.8	8.9	12.1	15.2	18.3	21.4	24.5
1500	LPM	22	34	46	57	69	81	93
1500	HP	14	21	28	35	43	46	49
	kW	11	16	21	26	32	34	36
	GPM	7.1	10.8	14.7	18.4	22.1	25.9	29.6
1800	LPM	27	41	55	70	84	98	112
1000	HP	17	26	34	43	51	55	58
	kW	13	19	25	32	38	41	44
	GPM	8.4	12.7	17.2	21.6	26.0	30.3	34.7
2100	LPM	32	48	65	82	98	115	131
2100	HP	20	30	40	50	60	65	68
	kW	15	22	30	37	44	48	51
	GPM	9.6	14.7	19.8	24.8	29.8	34.8	39.8
2400	LPM	36	55	75	94	113	132	151
2400	HP	23	34	45	57	68	74	78
	kW	17	25	34	42	51	55	58
	GPM	12.2	18.5	24.9	31.2	37.5	43.8	50.1
3000	LPM	46	70	94	118	142	166	190
3000	HP	28	43	57	71	85	92	97
	kW	21	32	42	53	64	69	73

PGM330 Motor Performance Data

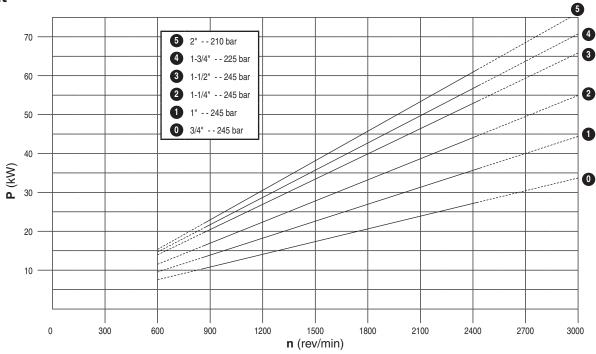
						Gear \	Vidths				
Speed RPM	Output Torque		") psi		/4") psi		/2") psi		/4") psi		") psi
		Α	В	Α	В	Α	В	Α	В	Α	В
900	in/lbs	10.1	1010	12.3	1270	14.5	1530	16.7	1665	19.0	1770
900	Nm	38	114.1	47	143.5	55	172.9	63	188.1	72	200.0
1200	in/lbs	12.8	1005	15.7	1265	18.6	1525	21.4	1660	24.3	1760
1200	Nm	49	113.6	59	142.9	70	172.3	81	187.6	92	198.9
1500	in/lbs	15.6	1000	19.1	1255	22.6	1515	26.1	1650	29.6	1750
1500	Nm	59	113.0	72	141.8	85	171.2	99	186.4	112	197.7
1800	in/lbs	18.4	995	22.5	1250	26.6	1505	30.8	1640	34.9	1740
1000	Nm	69	112.4	85	141.2	101	170.0	116	185.3	132	196.6
2100	in/lbs	21.1	990	25.9	1240	30.7	1495	35.4	1625	40.2	1720
2100	Nm	80	111.9	98	140.1	116	168.9	134	183.6	152	194.3
2400	in/lbs	23.9	985	29.3	1235	34.7	1480	40.1	1605	45.5	1695
2400	Nm	90	111.3	111	139.5	131	167.2	152	181.3	172	191.5
2000	in/lbs	29.2	980	35.9	1230	42.6	1475	49.3	1595	56.0	1685
3000	Nm	110	110.7	136	139.0	161	166.7	186	180.2	212	190.4

A: Input Flow GPM/LPM; B: Output Torque IN/LBS/Nm

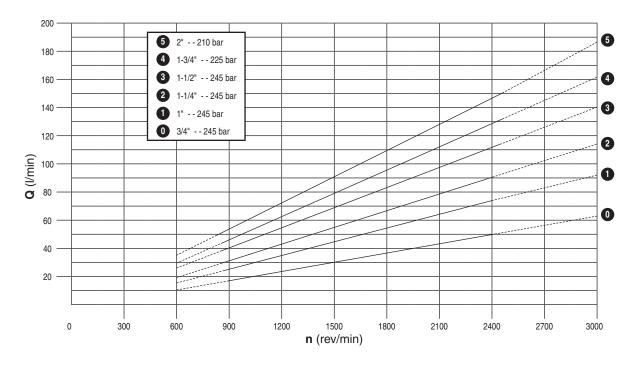
Note: In accordance with our policy of continuing product development, we reserve the right to change specifications shown in this catalog without notice.



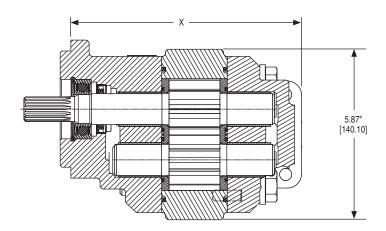
Input



Output

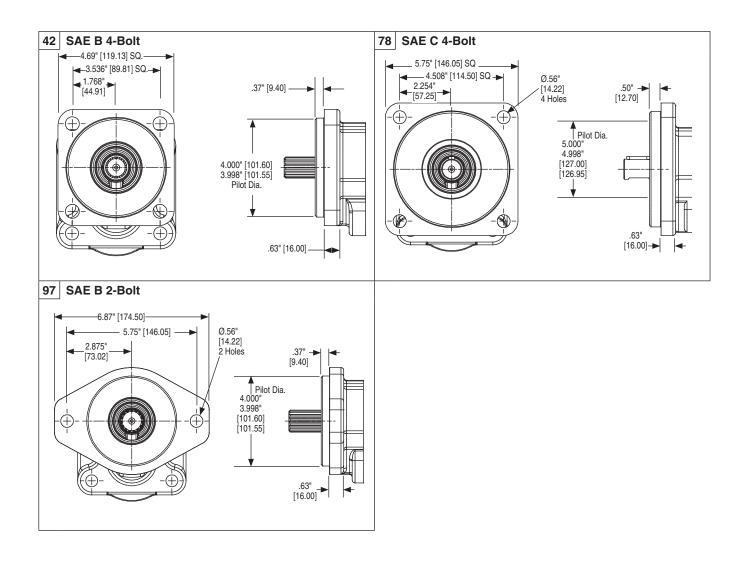




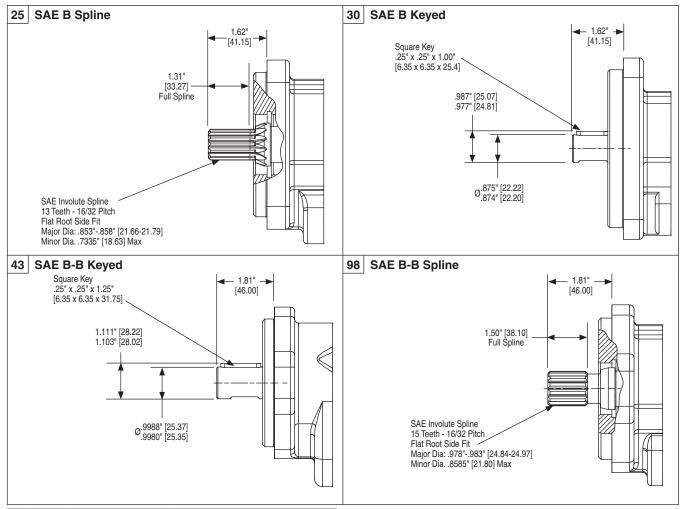


	X DIMENSION						
SEC CODE	05	07	10	12	15	17	20
42	6.69"	6.94"	7.19"	7.44"	7.69"	7.94"	8.19"
	[169.93]	[176.28]	[182.63]	[188.98]	[195.33]	[201.68]	[208.02]
78	6.69"	6.94"	7.19"	7.44"	7.69"	7.94"	8.19"
	[169.93]	[176.28]	[182.63]	[188.98]	[195.33]	[201.68]	[208.02]
97	6.69"	6.94"	7.19"	7.44"	7.69"	7.94"	8.19"
	[169.93]	[176.28]	[182.63]	[188.98]	[195.33]	[201.68]	[208.02]









Shaft Sty	le	Integral: 1	Maximum Torque		
		2 pieces: 2	lb-ft	Nm	
0454	Splined - 9 Teeth	1 2	-	-	
SAE A	5/8" Keyed	1 2	-	-	
CAED	Splined - 13 Teeth	1 2	242 159	328 215	
SAE B	7/8" Keyed	1 2	167 159	226 215	
SAE BB	Splined - 15 Teeth	1 2	371 159	503 215	
SAE DD	1" Keyed	1 2	250 159	339 215	
SAE C	Splined - 14 Teeth	1 2	- 159	- 215	
SAEC	1.25" Keyed	1 2	- 159	- 215	
Connecting	Shaft		159	215	

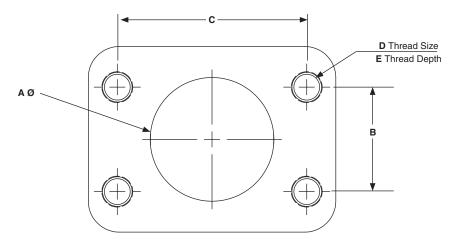
Torque (lb-ft) = $\frac{\text{Pressure (PSI) x Displacement (in}^3/\text{rev})}{75.4}$

Torque (Nm) = Pressure (Bar) x Displacement (cc/rev) 62.8



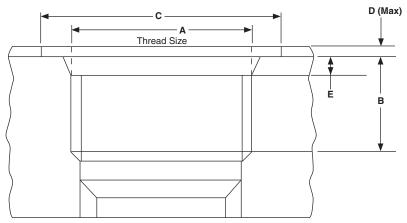
SAE Flanged Ports UNC Thread (SSS)

,	4	E	В		;	D	E	
inch	mm	inch	mm	inch	mm	UNC	inch	mm
0.50	12.7	0.69	17.5	1.50	38.1	5/16"-18	0.94	23.9
0.75	19.1	0.88	22.3	1.88	47.7	3/8"-16	0.88	22.4
1.00	25.4	1.03	26.2	2.06	52.2	3/8"-16	0.88	22.4
1.25	31.8	1.19	30.2	2.31	58.7	7/16"-14	1.12	28.4
1.50	38.1	1.41	35.7	2.75	69.9	1/2"-13	1.06	26.9
2.00	50.8	1.69	42.9	3.06	77.8	1/2"-13	1.06	26.9
2.50	63.5	2.00	50.8	3.50	88.9	1/2"-13	1.19	30.2



SAE Straight Thread (ODT)

ODT	А	E	3	()	E	
ODI	UNF	inch	mm	inch	mm	inch	mm	inch	mm
1/2"	3/4"-16	.56	14.3	1.19	30.2	.09	2.4	.10	2.55
5/8"	7/8"-14	.66	16.7	1.34	34.1	.09	2.4	.10	2.55
3/4"	1-1/16"-12	.75	19.1	1.62	41.3	.09	2.4	.13	3.30
1"	1-5/16"-12	.75	19.1	1.91	48.5	.09	2.4	.13	3.30
1-1/4"	1-5/8"-12	.75	19.1	2.27	57.7	.09	2.4	.13	3.35
1-1/2"	1-7/8"-12	.75	19.1	2.56	65.0	.09	2.4	.13	3.35
2"	2-1/2"-12	.75	19.1	3.48	88.4	.09	2.4	.13	3.35





PGP/PGM330 Ordering Code

PGP/PGM 300/400 Series Gear Pumps & Motors

PG 1 330 2 3 3 4 4 5 5 6 6 7 7 8 8 8 9 9 6 6 7 7 10

Code	1 – Type
P	Pump
M	Motor

Code	2 – Unit
A	Single Unit
В	Tandem Unit (flush studs)
С	Single or Tandem with two-piece shaft (O.B. bearing required)
L	Unit with Extended Studs

Code	3 – Shaft End Cover
1	Pump, cw w/o O.B. bearing
2	Pump, ccw w/o O.B. bearing
4	Pump, cw with O.B. bearing
5	Pump, ccw with O.B. bearing
8	Motor, bi-rot with O.B. bearing + 1/4" ODT drain
9	Motor, bi-rot w/o O.B. bearing + 1/4" ODT drain

Code	4 – Shaft End Cover
42	SAE B 4-Bolt
78	SAE C 4-Bolt
97	SAE B 2-Bolt

SIDE PORTED CW CCW IN OUT	Code	5 - Port End Cover			
SAE Split Flange (pump) EJ JE 1-1/2" 1-1/4" EK KE 1-1/2" 1" EL LE 1-1/4" 1-1/4" EM ME 1-1/4" 1" EN NE 1" 1" OF FO 1-1/2" - OG GO 1-1/4" - OJ JO 1" - OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4"	SIDE PORTED				
EJ JE 1-1/2" 1-1/4" EK KE 1-1/2" 1" EL LE 1-1/4" 1-1/4" EM ME 1-1/4" 1" EN NE 1" 1" OF FO 1-1/2" - OG GO 1-1/4" - OM MO - 1-1/4" - ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4"	cw	CCW	IN	OUT	
EK KE 1-1/2" 1" EL LE 1-1/4" 1-1/4" EM ME 1-1/4" 1" EN NE 1" 1" OF FO 1-1/2" - OG GO 1-1/4" - OM MO - 1-1/4" - ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 3/4" 3/4"	SAE Spl	it Flange (p	ump)		
EL LE 1-1/4" 1-1/4" EM ME 1-1/4" 1" EN NE 1" 1" OF FO 1-1/2" - OG GO 1-1/4" - OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 3/4" 3/4"	EJ	JE	1-1/2"	1-1/4"	
EM ME 1-1/4" 1" EN NE 1" 1" OF FO 1-1/2" - OG GO 1-1/4" - OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) 1" 1-1/4" CS-Double 1-1/4" 1-1/4" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VR-Double 3/4" 3/4"	EK	KE	1-1/2"	1"	
EN NE 1" 1" OF FO 1-1/2" - OG GO 1-1/4" - OJ JO 1" - OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4"	EL	LE	1-1/4"	1-1/4"	
OF FO 1-1/2" - OG GO 1-1/4" - OJ JO 1" - OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) 1" 1-1/4" 1-1/4" CT-Double 1-1/4" 1" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" 1" VR-Double 3/4" 3/4"	EM	ME	1-1/4"	1"	
OG GO 1-1/4" - OJ JO 1" - OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1-1/4" 1-1/4" VN-Double 3/4" 3/4"	EN	NE	1"	1"	
OJ JO 1" OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" 1" FL LF 1" 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1"	OF	FO	1-1/2"	-	
OM MO - 1-1/4" ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	OG	GO	1-1/4"	-	
ON NO - 1" SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) 1" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	OJ	JO	1"	-	
SAE Split Flange (motor) CS-Double 1-1/4" 1-1/4" CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	ОМ	MO	-	1-1/4"	
CS-Double 1-1/4" 1-1/4" CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	ON	NO	-	1"	
CT-Double 1" 1" CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	SAE Split Flange (motor)				
CV-Double 3/4" 3/4" OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" E BJ JB 1" - E BJ JB 1" - BN NB - 1" D T D T D T	CS-Double		1-1/4"	1-1/4"	
OD Tube Porting (pump) FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	CT-Double		1"	1"	
FJ JF 1-1/4" 1" FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	CV-Double		3/4"	3/4"	
FL LF 1" 1" BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	OD Tube	Porting (pu	ımp)		
BG GB 1-1/4" - BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	FJ	JF	1-1/4"	1"	
BJ JB 1" - BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	FL	LF	1"	1"	
BN NB - 1" OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" 1" VR-Double 3/4" 3/4"	BG	GB	1-1/4"	-	
OD Tube Porting (motor) VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	BJ	JB	1"	-	
VC-Double 1-1/4" 1-1/4" VN-Double 1" 1" VR-Double 3/4" 3/4"	BN	NB	-	1"	
VN-Double 1" 1" VR-Double 3/4" 3/4"	OD Tube	OD Tube Porting (motor)			
VR -Double 3/4" 3/4"	VC-	Double	1-1/4"	1-1/4"	
	VN-Double		1"	1"	
Unported (pump)	VR-Double		3/4"	3/4"	
	Unporte	d (pump)			
BI Unported	BI		Unp	orted	
Unported (motor)	Unporte	d (motor)			
BA Unported		ВА	Unported		

Code	6 – Gear Housing
AB	Pump
EB	Motor

Code	7 – Gear Width					
	Gear	in.³			Max Pressure	
	Width	/rev.	/rev.	psi	bar	
05	1/2"	0.99	16.1	3500	241	
07	3/4"	1.48	24.2	3500	241	
10	1"	1.97	32.3	3500	241	
12	1-1/4"	2.46	40.4	3500	241	
15	1-1/2"	2.96	48.4	3500	241	
17	1-3/4"	3.45	56.5	3250	224	
20	2"	3.94	64.6	3000	207	

Code	8 – Shaft Type
7	SAE C Spline (two-piece only)
11	SAE C Keyed (two-piece only)
25	SAE B Spline
30	SAE B Keyed
43	SAE BB Keyed



PGP/PGM330 Ordering Code (cont.)

PGP/PGM 300/400 Series Gear Pumps & Motors

PG 1 330 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 6 6 7 7 10

98	SAE BB Splined			
For Si	ngle or Ta	ındem Ur	nits - unle	ss noted
Code	9	– Bearir	ng Carrie	rs
DUAL	OUTLET	- PUMP	ONLY	
		kwise por		
		first; for c		
		om port n		
CW	CCW	IN	01	JT
SAE S	plit Flan	ge		
AM	MA	2"	1-1/4"	1-1/4"
AN	NA	2"	1-1/4"	1"
AP	PA	2"	1"	1"
AT	TA	1-1/2"	1-1/4"	1-1/4"
AU	UA	1-1/2"	1-1/4"	1"
AV	VA	1-1/2"	1"	1"
AW	WA	1-1/4"	1-1/4"	1-1/4"
AX	XA	1-1/4"	1-1/4"	1"
AY	YA	*1-1/4"	1"	1"
AZ	ZA	1"	1"	1"
OD Tube Porting				
GV	VG	1-1/2"	1"	1"
GY	YG	1-1/4"	1"	1"
GZ	ZG	1"	1"	1"

* Outlet port	for	rear	section
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Code	9 – Bearing Carriers (cont.)		
SINGLE OUTLET - PUMP ONLY			
Outlet fo	r front sectio	n	
CW	ccw	IN	OUT
SAE Spl	it Flange		
НВ	ВН	2"	1-1/2"
НС	СН	2"	1-1/4"
HF	FH	2"	1"
HL	LH	1-1/2"	1-1/2"
HM	MH	1-1/2"	1-1/4"
HN	NH	1-1/2"	1"
НО	ОН	1-1/4"	1-1/4"
HP	PH	1-1/4"	1"
HQ	QH	1"	1"
RS	SR	1-1/4"	1"
OD Tube Porting			
KM	MK	1-1/2"	1-1/4"
KN	NK	1-1/2"	1"
КО	ОК	1-1/4"	1-1/4"
KP	PK	1-1/4"	1"
KQ	QK	1"	1"

Code	9 – Bearing Carriers (cont.)			
COMBIN	ED OUTLE		,	
Outlet for	front sectio	n		
cw	CCW	IN	OUT	
SAE Spl	it Flange (p	ump)		
UN	NU	2"	1-1/2"	
UO	OU	2"	1-1/4"	
UP	PU	1-1/2"	1-1/2"	
UQ	QU	1-1/2"	1-1/4"	
UR	RU	1-1/4"	1-1/4"	
SAE Split Flange (motor)				
BB -Double		1-1/2"	1-1/2"	
CC-Double		1-1/4"	1-1/4"	
EE-Double		1"	1"	
FF-Double		3/4"	3/4"	
OD Tube	OD Tube Porting (pump)			
PQ	QP	1-1/2"	1-1/4"	
PR	RP	1-1/4"	1-1/4"	
OD Tube Porting (motor)				
NN-Double		1-1/4"	1-1/4"	
QQ -Double		1"	1"	
RR-	RR-Double		3/4"	
Common Inlet Passage				
С	D	No F	Ports	

Code	10 - Connecting Shaft
1	Connecting Shaft
For connecting tandem units	

