Bulletin HY11-3293/UK

Gear Pumps/Motors Series PGP/PGM 500

Express Delivery Program

Note

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PG		503											B	1	B	1	1)
Gear Design	Type		Unit	Dis-placement	Rotation	Shaft	Flange	Shaft Seal	Inlet	Side Ports Option	Outlet		No Rear Ports (rear ports on request)				

Code	Type
P	**Pump**
M	Motor

Code	Unit	
	Pump	Motor
A	**Single unit**	**Standard motor w/o checks**
B	Multiple unit	Standard motor w. two checks
C	—	Standard motor w. one anti-cavitation check (ACC)

Displacement	
Code	ccm
0008	**0.8**
0012	**1.2**
0016	**1.6**
0021	**2.1**
0025	**2.5**
0033	**3.3**
0043	**4.3**
0058	**5.8**
0079	**7.9**

Code	Rotation
C	**Clockwise**
A	Counter-clockwise
B	Bi-directional

Code	Shaft
H1 [2]	Ø10, 3.0key, no thread, 36L, parallel
P2 [3]	**Ø9.35, 8.8L, 2.4key, M6, taper 1:8**
V1 [4]	5x6.5 long shaft w/o coupling tang drive
V2 [5]	5x4.5 short shaft w/o coupling tang drive

Code	Port Options (Pumps)
E3E2	**1/2 - 14 BSP thread/ 3/8 - 19 BSP thread**
J4J3	12mm - Ø30mm - M6 square flange/ 8mm - Ø30mm - M6 square flange
Code	Port Options (Motors)
E3E3	1/2 - 14 BSP thread 1/2 - 14 BSP thread
J4J4	12mm - Ø30mm - M6 square flange 12mm - Ø30mm - M6 square flange

Example: E3 = inlet port
E2 = outlet port

Code	Shaft Seal
X	No seal
N	**NBR**

Code	Flange
D1	**52.2x72.0 - Ø25.4 rectangular**
H1	82.5 - Ø50.8 SAE "A-A" 2bolt flange
P3	40.0x40.0 - Ø32.0 w/ seal, thrubolt flange
P4	40.0x40.0 - Ø32.0 w/ seal f. short shaft, thrubolt flange

Bold letters =
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[2] Only used with flange H1, D1.
[3] Only used with flange D1.
[4] Only used with flange H1.
[5] Only used with flange P3, P4.

[1] Code of drain dine for PGM503 only.
2 Options:
N4 = M10x1, rear drain
B1 = no drain, product type must be “B“ or “C“.

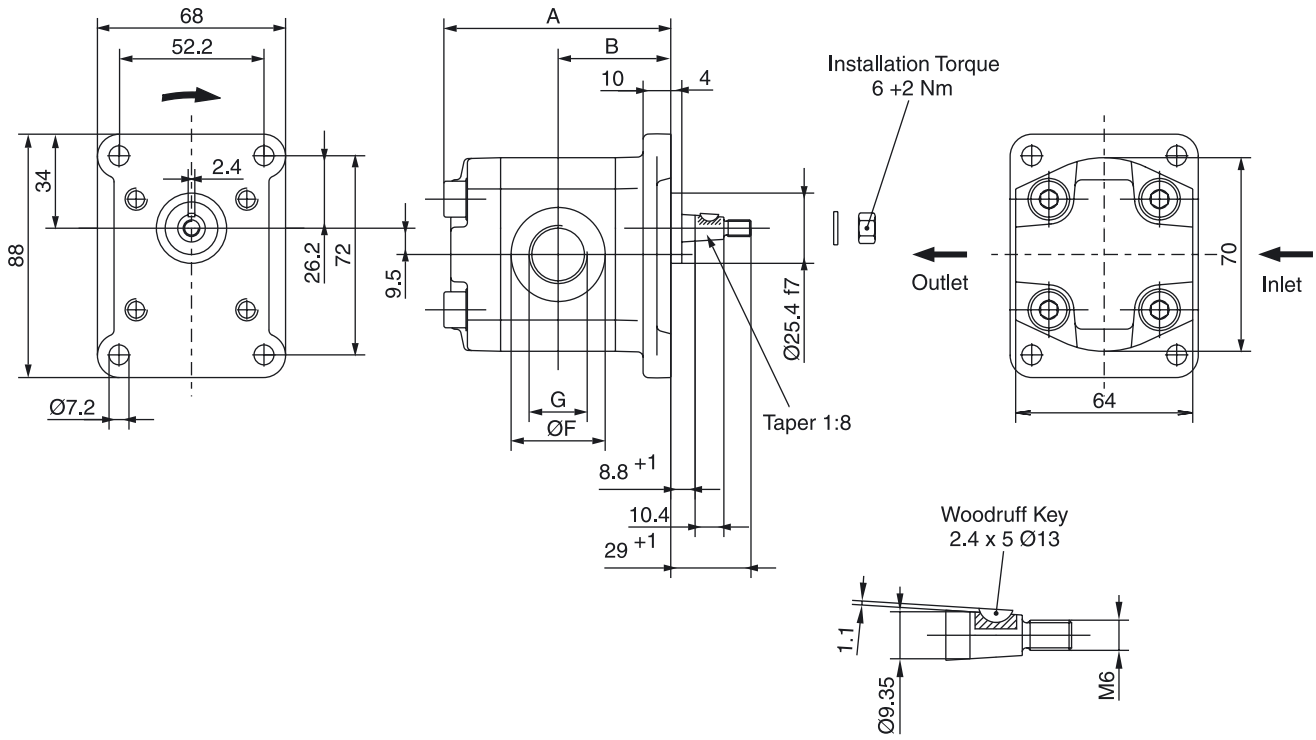
Parker Hannifin GmbH
Hydraulic Controls Division
Kaarst, Germany

PGP503 A XXXX Y P2 D1 N E3 E2 B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension		Inlet Port			Outlet Port			Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B		G	F		G	F	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0008	0.8	75.2	37.6	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	275	**330 9111 196**	330 9112 159
0012	1.2	76.7	38.4	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	275	**330 9111 197**	330 9112 172
0016	1.6	78.2	39.1	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	275	**330 9111 198**	330 9112 173
0021	2.1	79.8	39.9	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	275	**330 9111 199**	330 9112 174
0025	2.5	81.4	40.7	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	275	**330 9111 200**	330 9112 175
0033	3.3	84.4	42.2	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	275	**330 9111 201**	330 9112 176
0036	3.6	85.5	42.8	E3	G ½"	34.0	E2	G 3/8"	30.0	500	4000	250	**330 9111 202**	330 9112 177
0043	4.3	88.4	44.2	E3	G ½"	34.0	E2	G 3/8"	30.0	500	3500	210	**330 9111 203**	330 9112 160
0048	4.8	89.9	45.0	E3	G ½"	34.0	E2	G 3/8"	30.0	500	3000	160	**330 9111 204**	330 9112 178
0058	5.8	93.7	46.9	E3	G ½"	34.0	E2	G 3/8"	30.0	500	3000	160	**330 9111 205**	330 9112 179
0062	6.2	95.2	47.6	E3	G ½"	34.0	E2	G 3/8"	30.0	500	3000	150	**330 9111 206**	330 9112 180
0079	7.9	101.5	50.8	E3	G ½"	34.0	E2	G 3/8"	30.0	500	2500	120	**330 9111 180**	330 9112 161

Dimensions



(Drawing shows clockwise rotation.)

PG		505										B	1	B	1	1)
Gear Design	**Type**		**Unit**	**Dis-placement**	**Rotation**	**Shaft**	**Flange**	**Shaft Seal**	**Inlet**	**Side Ports Option**	**Outlet**	**No Rear Ports** (rear ports on request)				

Code	Type
P	**Pump**
M	Motor

Code	Unit	
	Pump	Motor
A	**Single unit**	**Standard motor w/o checks**
M	Single distributor unit	—
B	Multiple unit	Standard motor w. two checks
C	—	Standard motor w. one anti-cavitation check (ACC)

Displacement	
Code	ccm
0030	**3.0**
0040	**4.0**
0060	**6.0**
0080	**8.0**
0100	**10.0**
0120	**12.0**

Code	Rotation
C	**Clockwise**
A	Counter-clockwise
B	Bi-directional

Code	Shaft
A1 [2)]	**9T, 16/32DP, 32L, SAE "A" spline**
J1 [2)]	Ø12.7, 3.2key, no thread, 38L, parallel
K1 [3)]	Ø15.88, 4.0key, no thread, 32L, SAE "A", parallel
Q2 [4)]	**Ø14.25, 5.5L, 3.0key, M10x1, taper 1:8**

[2)] Only used with flange H1, H2.
[3)] Only used with flange H2.
[4)] Only used with flange D2.

Code	Port Options (Pumps)
E5E3	**3/4 - 14 BSP thread/ 1/2 - 14 BSP thread**
J7J5	**20mm - Ø40mm - M6 square flange/ 15mm - Ø35mm - M6 square flange**
Code	Port Options (Motors)
E3E3	3/4 - 14 BSP thread 3/4 - 14 BSP thread
J5J5	15mm - Ø35mm - M6 square flange
	15mm - Ø35mm - M6 square flange

Example: J7 = inlet port
J5 = outlet port

Code	Shaft Seal
X	No seal
N	**NBR**

Code	Flange
D2 [5)]	**56.0x73.0 - Ø30.0 rectangular**
H1	82.5 - Ø50.8 SAE "A-A" 2bolt flange
H2 [6)]	**106.4 - Ø82.55 SAE "A" 2bolt flange**

[5)] Only used with ports J*J*.
[6)] Only used with ports E*E*.

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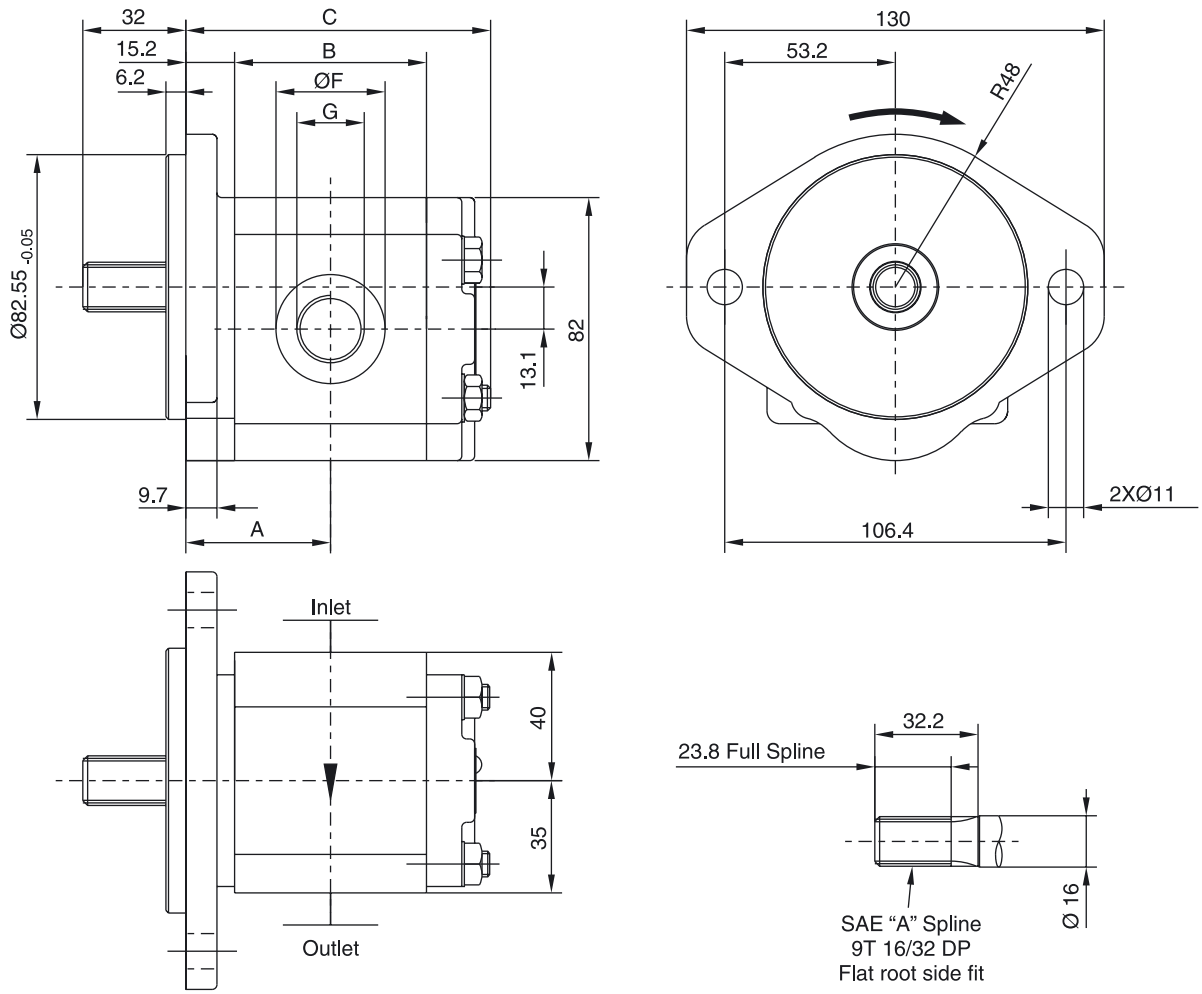
[1)] Code of drain line for PGM505 only.
2 Options:
G4 = 1/4-19 BSP rear drain
B1 = no drain, product type must be “B“ or “C“.

PGP505 A XXXX Y A1 H2 N E5 E3 B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension			Inlet Port			Outlet Port			Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm^3/rev	A	B	C		G	F		G	F	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0030	3.0	35.9	41.1	79.8	E5	3/4" -14 BSP	42.0	E3	1/2" -14 BSP	34.0	500	4000	275	**331 9111 385**	
0040	4.0	37.2	43.8	79.8	E5	3/4" -14 BSP	42.0	E3	1/2" -14 BSP	34.0	500	4000	275	**331 9111 386**	
0060	6.0	39.8	49.1	84.8	E5	3/4" -14 BSP	42.0	E3	1/2" -14 BSP	34.0	500	3600	275	**331 9111 387**	
0080	8.0	42.5	54.5	89.8	E5	3/4" -14 BSP	42.0	E3	1/2" -14 BSP	34.0	500	3000	275	**331 9111 383**	331 9112 136
0100	10.0	45.2	59.8	100.8	E5	3/4" -14 BSP	42.0	E3	1/2" -14 BSP	34.0	500	2800	250	**331 9111 388**	
0120	12.0	47.9	65.2	104.8	E5	3/4" -14 BSP	42.0	E3	1/2" -14 BSP	34.0	500	2400	220	**331 9111 389**	

Dimensions



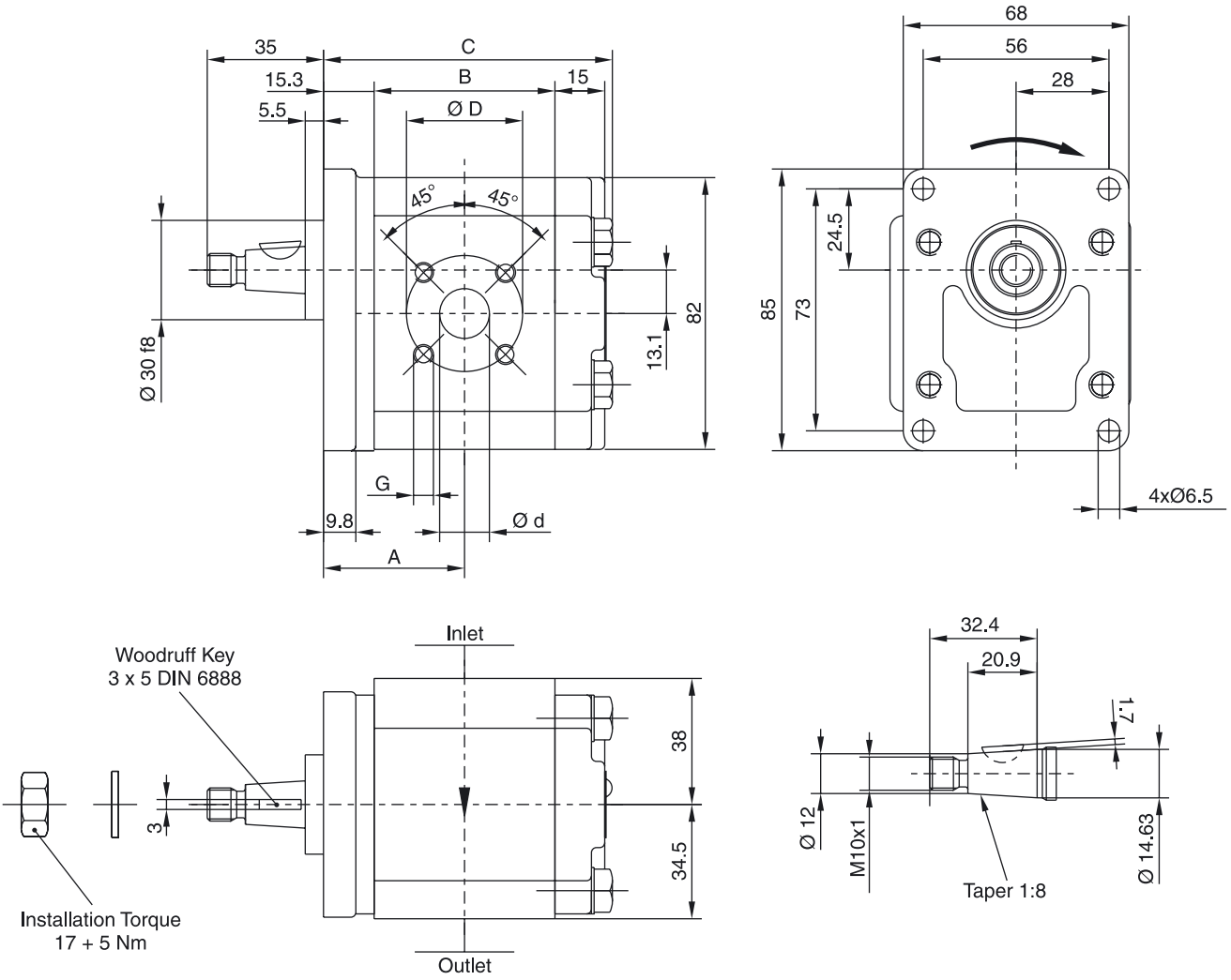
(Drawing shows clockwise rotation.)

PGP505 A XXXX Y Q2 D2 N J7 J5 B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C		d	D	G		d	D	G	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0030	3.0	35.9	41.1	74.3	J7	20.0	40.0	M6	J5	15.0	35.0	M6	500	4000	275	**331 9111 334**	
0040	4.0	37.2	43.8	76.4	J7	20.0	40.0	M6	J5	15.0	35.0	M6	500	4000	275	**331 9111 039**	331 9112 061
0060	6.0	39.8	49.1	81.7	J7	20.0	40.0	M6	J5	15.0	35.0	M6	500	3600	275	**331 9111 040**	331 9112 077
0080	8.0	42.5	54.5	87.1	J7	20.0	40.0	M6	J5	15.0	35.0	M6	500	3000	275	**331 9111 041**	331 9112 078
0100	10.0	45.2	59.8	92.4	J7	20.0	40.0	M6	J5	15.0	35.0	M6	500	2800	250	**331 9111 087**	331 9112 033
0120	12.0	47.9	65.2	97.8	J7	20.0	40.0	M6	J5	15.0	35.0	M6	500	2400	220	**331 9111 246**	331 9112 135

Dimensions



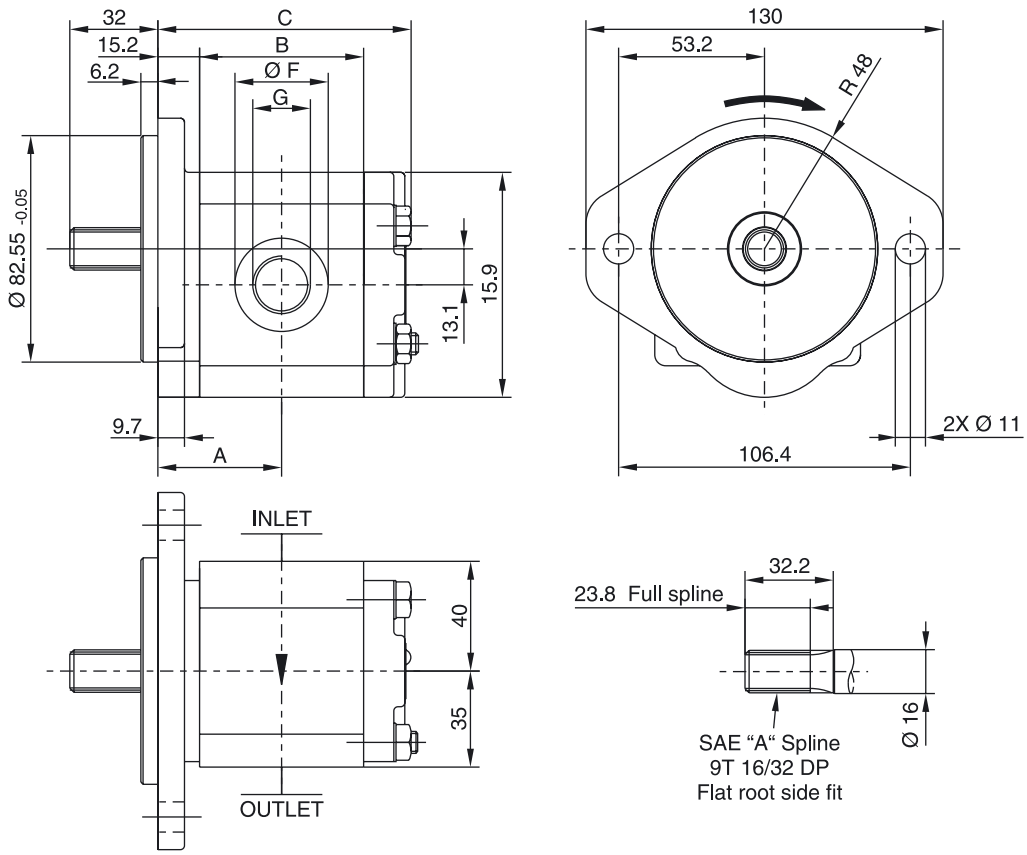
(Drawing shows clockwise rotation.)

PGP505 A XXXX Y A1 H2 N SS PP B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension			Inlet Port			Outlet Port			Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm^3/rev	A	B	C	SS	G	F	PP	G	F	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0020	2.0	34.5	38.5	71.1	D4	7/8" -14 UNF	34.0	D3	3/4"-16" UNF	30.0	500	4000	275	**331 9111 235**	331 9112 131
0030	3.0	35.8	41.1	73.7	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	4000	275	**331 9111 033**	331 9112 004
0040	4.0	37.2	43.8	76.4	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	4000	275	**331 9111 034**	331 9112 090
0050	5.0	38.5	46.5	79.1	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	4000	275	**331 9111 236**	331 9112 091
0060	6.0	39.8	49.1	81.7	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	3600	275	**331 9111 016**	331 9112 007
0080	8.0	42.5	54.5	87.1	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	3000	275	**331 9111 045**	331 9112 009
0100	10.0	45.2	59.8	92.4	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	2800	250	**331 9111 046**	331 9112 010
0110	11.0	46.5	62.5	95.1	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	2400	250	**331 9111 047**	331 9112 092
0120	12.0	47.9	65.2	97.8	D5	1 1/16" -12 UNF	41.0	D4	7/8"-14" UNF	34.0	500	2400	220	**331 9111 014**	331 9112 012

Dimensions



PG		511												1)
Gear Design	Type		Unit	Dis-placement	Rotation	Shaft	Flange	Shaft Seal	Inlet Side Ports Option		Outlet	B	1	B	1
												No Rear Ports (rear ports on request)			

Code	Type
P	**Pump**
M	Motor

Code	Unit	
	Pump	Motor
A	**Single unit**	**Standard motor w/o checks**
M	Single distributor unit	—
B	Multiple unit	Standard motor w. two checks
C	—	Standard motor w. one anti-cavitation check (ACC)

Displacement	
Code	ccm
0040	**4.0**
0060	**6.0**
0080	**8.0**
0100	**10.0**
0110	**11.0**
0140	**14.0**
0160	**16.0**
0190	**19.0**
0230	**23.0**
0270	**27.0**
0310	**31.0**
0330	**33.0**

Code	Rotation
C	**Clockwise**
A	Counter-clockwise
B	Bi-directional

Code	Shaft
A1 [2]	**9T, 16/32DP, 32L, SAE "A" spline**
C1 [3]	11T, 16/32DP, 38.2L, SAE 19-4 spline
F1 [4]	9T, B17x14, 23L, DIN 5482 spline
K1 [2]	Ø15.88, 4.0key, no thread, 32L, SAE "A", parallel
L6 [2]	Ø19.05, 4.8key, no thread, 32L, SAE 19-1, parallel
S1 [4]	**Ø17.0, 7.7L, 3.0key, M12x1.5, taper 1:5**
S2 [5]	**Ø16.65, 12.0L, 3.2key, M12x1.5, taper 1:8**
S4 [5]	Ø16.65, 12.0L, 4.0key, M12x1.5, taper 1:8

[2] Only used with flange H2.
[3] Only used with flange H2, H3.
[4] Only used with flange D4, Q2, Q4.
[5] Only used with flange D3.

Code	Shaft Seal
X	No seal
N	**NBR**

Code	Port Options (Pumps)
E5E3	3/4 - 14 BSP thread/ 1/2 - 14 BSP thread only from 4ccm to 11ccm
E6E5	1-11 BSP thread/ 3/4-14 BSP thread only from 14ccm to 23ccm
E7E5	1 1/4-11 BSP thread/ 3/4-14 BSP thread only from 27ccm to 33ccm
J7J5	**20mm-Ø40mm-M6 square flange 15mm-Ø35mm-M6 square flange only from 4ccm to 11ccm**
J9J8	**26mm-Ø55mm-M8 square flange 18mm-Ø55mm-M8 square flange only from 14ccm to 33ccm**
L1L1	**13mm-Ø30mm-M6 diamond flange 13mm-Ø30mm-M6 diamond flange only from 4ccm to 8ccm**
L2L1	**19mm-Ø40mm-M8 diamond flange 13mm-Ø30mm-M6 diamond flange only from 10ccm to 16ccm**
L2L2	**19mm-Ø40mm-M8 diamond flange 19mm-Ø40mm-M8 diamond flange only from 19ccm to 33ccm**

Code	Port Options (Motors)
E3E3	1/2 - 14 BSP thread/ 1/2 - 14 BSP thread only from 4ccm to 11ccm
E5E5	3/4 - 14 BSP thread/ 3/4 - 14 BSP thread only from 14ccm to 33ccm
J5J5	15mm-Ø35mm-M6 square flange 15mm-Ø35mm-M6 square flange only from 4ccm to 16ccm
J7J7	20mm-Ø40mm-M6 square flange 20mm-Ø40mm-M6 square flange only from 19ccm to 33ccm

Example: L2 = inlet port
L1 = outlet port

Code	Flange
D3 [6]	**71.4x96.0 - Ø36.47 rectangular**
D4 [7]	**72.0x100.0 - Ø80 rectangular**
H2 [6]	**106.4 - Ø82.55 SAE "A" 2bolt flange**
H3	146.1 - Ø101.06 SAE "B" 2bolt flange
Q2	60.0x60.0 - Ø50.0 w. seal O', thrubolt flange
Q4	60.0x60.0 - Ø50.0 w. seal O', thrubolt flange

[6] Only used with ports L*L*.
[7] Only used with ports J*J*.

Bold letters =
Express delivery within 5 work days

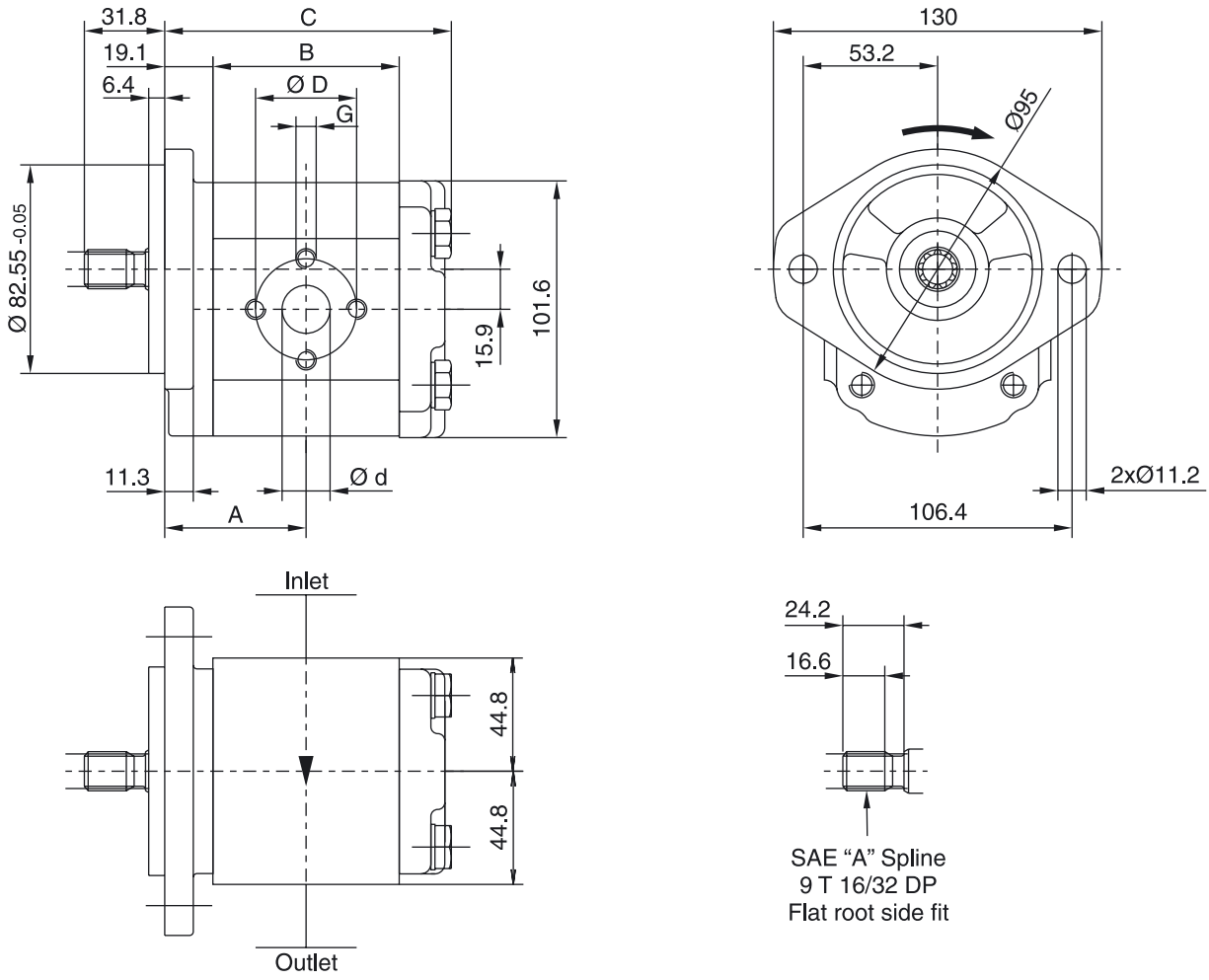
[1] Code of drain line for PGM511 only.
2 Options:
G4 = 1/4-19 BSP rear drain
B1 = no drain, product type must be "B" or "C".

PGP511 A XXXX Y A1 H2 N SS PP B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C	SS	d	D	G	PP	d	D	G	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0040	4.0	42.6	47.0	86.7	L1	13	30	M6	L1	13	30	M6	500	3500	250	**334 9111 182**	334 9112 092
0060	6.0	44.1	50.1	89.8	L1	13	30	M6	L1	13	30	M6	500	3500	250	**334 9111 183**	334 9112 093
0080	8.0	45.7	53.3	93.0	L1	13	30	M6	L1	13	30	M6	500	2500	250	**334 9111 734**	
0100	10.0	47.3	56.5	96.1	L2	19	40	M8	L1	13	30	M6	500	3500	250	**334 9111 185**	334 9112 095
0110	11.0	48.1	58.0	97.7	L2	19	40	M8	L1	13	30	M6	500	3500	250	**334 9111 186**	334 9112 096
0140	14.0	50.4	62.8	102.4	L2	19	40	M8	L1	13	30	M6	500	3100	250	**334 9111 187**	334 9112 097
0160	16.0	52.0	65.9	105.6	L2	19	40	M8	L1	13	30	M6	500	2700	250	**334 9111 737**	
0190	19.0	54.4	70.6	110.3	L2	19	40	M8	L2	19	40	M8	500	2300	250	**334 9111 966**	
0230	23.0	57.5	76.9	116.6	L2	19	40	M8	L2	19	40	M8	500	1900	210	**334 9111 754**	334 9112 485
0270	27.0	60.7	83.2	122.9	L2	19	40	M8	L2	19	40	M8	500	1600	180	**334 9111 576**	
0310	31.0	63.8	89.5	129.2	L2	19	40	M8	L2	19	40	M8	500	1500	160	**334 9111 967**	
0330	33.0	65.4	92.6	132.3	L2	19	40	M8	L2	19	40	M8	500	1500	150	**334 9111 191**	334 9112 101

Dimensions



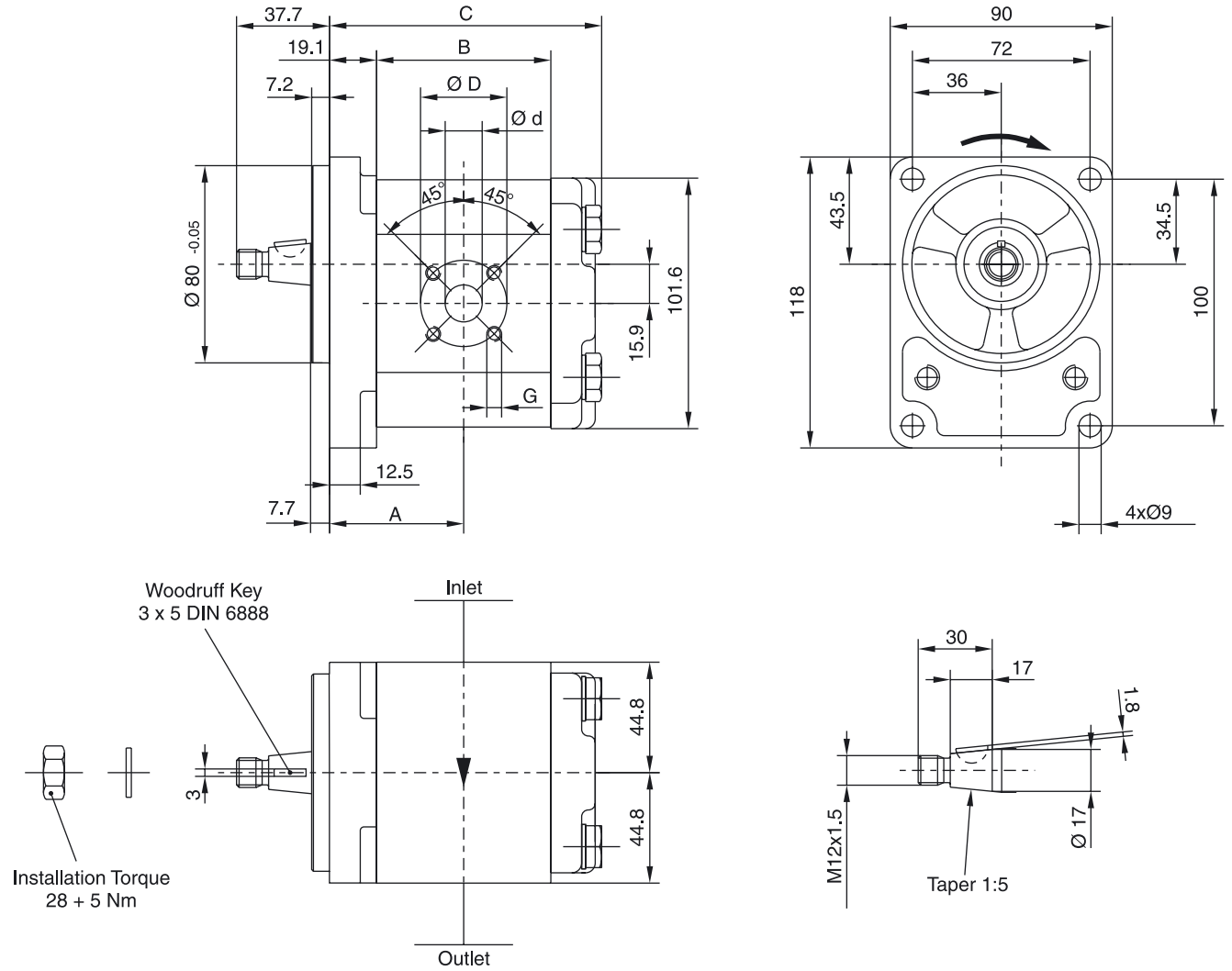
(Drawing shows clockwise rotation.)

PGP511 A XXXX Y S1 D4 N SS PP B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C	SS	d	D	G	PP	d	D	G	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0040	4.0	42.6	47.0	86.7	J7	20	40	M6	J5	15	35	M6	500	3500	250	**334 9111 149**	334 9112 289
0060	6.0	44.1	50.1	89.8	J7	20	40	M6	J5	15	35	M6	500	3500	250	**334 9111 465**	334 9112 298
0080	8.0	45.7	53.3	93.0	J7	20	40	M6	J5	15	35	M6	500	3500	250	**334 9111 151**	334 9112 291
0100	10.0	47.4	56.5	96.2	J7	20	40	M6	J5	15	35	M6	500	3500	250	**334 9111 466**	334 9112 292
0110	11.0	48.1	58.0	97.7	J7	20	40	M6	J5	15	35	M6	500	3500	250	**334 9111 152**	334 9112 238
0140	14.0	50.4	62.8	102.4	J9	26	55	M8	J8	18	55	M8	500	3500	250	**334 9111 968**	
0160	16.0	52.0	65.9	105.6	J9	26	55	M8	J8	18	55	M8	500	3500	250	**334 9111 969**	
0190	19.0	54.4	70.6	110.3	J9	26	55	M8	J8	18	55	M8	500	3250	250	**334 9111 970**	
0230	23.0	57.5	76.9	116.6	J9	26	55	M8	J8	18	55	M8	500	2750	225	**334 9111 971**	
0270	27.0	60.7	83.2	122.9	J9	26	55	M8	J8	18	55	M8	500	2350	190	**334 9111 972**	
0310	31.0	63.8	89.5	129.2	J9	26	55	M8	J8	18	55	M8	500	2100	165	**334 9111 526**	
0330	33.0	65.4	92.6	132.3	J9	26	55	M8	J8	18	55	M8	500	2000	155	**334 9111 973**	

Dimensions



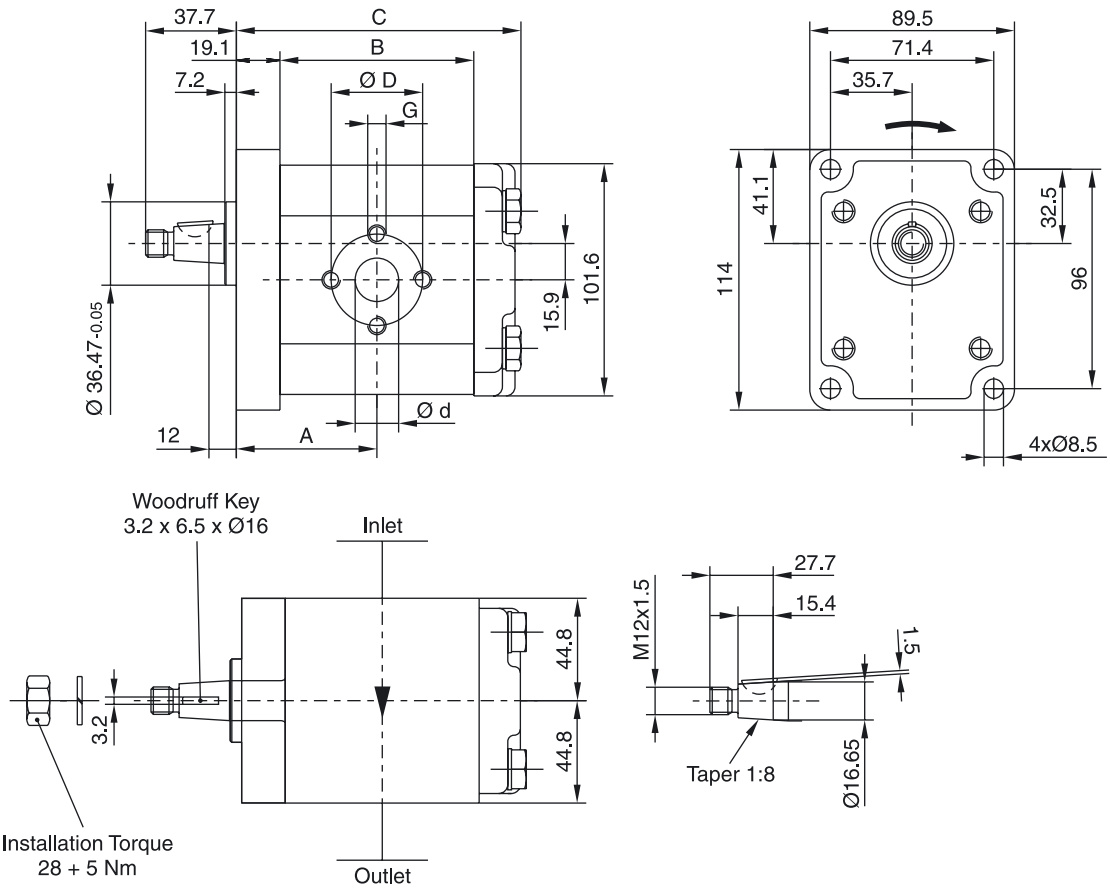
(Drawing shows clockwise rotation.)

PGP511 A XXXX Y S2 D3 N SS PP B1 B1

"Y" = C (clockwise rotation)
= A (counter clockwise rotation)

Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C	SS	d	D	G	PP	d	D	G	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0040	4.0	42.6	47.0	86.7	L1	13	30	M6	L1	13	30	M6	500	3500	250	**334 9111 403**	334 9112 398
0060	6.0	44.1	50.1	89.8	L1	13	30	M6	L1	13	30	M6	500	3500	250	**334 9111 404**	334 9112 395
0080	8.0	45.7	53.3	93.0	L1	13	30	M6	L1	13	30	M6	500	2500	250	**334 9111 091**	334 9112 397
0100	10.0	47.3	56.5	96.1	L2	19	40	M8	L1	13	30	M6	500	3500	250	**334 9111 975**	
0110	11.0	48.1	58.0	97.7	L2	19	40	M8	L1	13	30	M6	500	3500	250	**334 9111 976**	334 9112 399
0140	14.0	50.4	62.8	102.4	L2	19	40	M8	L1	13	30	M6	500	3100	250	**334 9111 292**	334 9112 400
0160	16.0	52.0	65.9	105.6	L2	19	40	M8	L1	13	30	M6	500	2700	250	**334 9111 293**	
0190	19.0	54.4	70.6	110.3	L2	19	40	M8	L2	19	40	M8	500	2300	250	**334 9111 977**	
0230	23.0	57.5	76.9	116.6	L2	19	40	M8	L2	19	40	M8	500	1900	225	**334 9111 295**	
0270	27.0	60.7	83.2	122.9	L2	19	40	M8	L2	19	40	M8	500	1600	190	**334 9111 296**	
0310	31.0	63.8	89.5	129.2	L2	19	40	M8	L2	19	40	M8	500	1500	165	**334 9111 978**	
0330	33.0	65.4	92.6	132.3	L2	19	40	M8	L2	19	40	M8	500	1500	155	**334 9111 297**	

Dimensions



(Drawing shows clockwise rotation.)

PG		517											B	1	B	1	1)
Gear Design	Type		Unit	Dis-placement	Rotation	Shaft	Flange	Shaft Seal	Inlet Side Ports Option		Outlet		No Rear Ports (rear ports on request)				

Code	Type
P	**Pump**
M	Motor

Code	Unit	
	Pump	Motor
A	**Single unit**	**Standard motor w/o checks**
M	Single distributor unit	—
B	Multiple unit	Standard motor w. two checks
C	—	Standard motor w. one anti-cavitation check (ACC)

Displacement	
Code	ccm
0140	**14.0**
0160	**16.0**
0190	**19.0**
0230	**23.0**
0250	**25.0**
0280	**28.0**
0330	**33.0**
0380	**38.0**
0440	**44.0**
0520	**52.0**
0700	70.0

Code	Rotation
C	**Clockwise**
A	Counter-clockwise
B	Bi-directional

Code	Shaft
D1 [2]	**13T, 16/32DP, 41.2L, SAE "B" spline**
M1 [2]	Ø22.2, 6.3key, no thread, 41.2L, SAE "B", parallel
M2 [2]	Ø25.4, 6.3key, no thread, 46L, SAE "B-B", parallel
T1 [3]	**Ø21.59, 11.2L, 4.0key, M14x1.5, taper 1:8**

[2] Only used with flange H2, H3.
[3] Only used with flange D7.

[1] Code of drain line for PGM517 only.
3 Options:
G3 = 1/4-19 BSP top drain
G4 = 1/4-19 BSP rear drain
B1 = no drain, product type must be "B" or "C".

Code	Port Options (Pumps)
E6E5	1-11 BSP thread/ 3/4-14 BSP thread only from 14ccm to 19ccm
E7E6	1 1/4-11 BSP thread/ 1-11 BSP thread only from 23ccm to 38ccm
E8E6	1 1/2-11 BSP thread/ 1-11 BSP thread only from 44ccm to 70ccm
J9J8	26mm-Ø55mm-M8 square flange 18mm-Ø55mm-M8 square flange only from 14ccm to 52ccm
L3L2	**27mm-Ø51mm-M10 diamond flange 19mm-Ø40mm-M8 diamond flange only from 14ccm to 52ccm**
P3P2	1"-M10 SAE metric flange 3/4"-M10 SAE metric flange only from 16ccm to 23ccm
P4P3	1 1/4"-M10 SAE metric flange 1"-M10 SAE metric flange only from 25ccm to 38ccm
P5P3	1 1/2"-M12 SAE metric flange 1"-M10 SAE metric flange only from 44ccm to 70ccm
Code	Port Options (Motors)
E6E6	1- 11 BSP thread/ 1 - 11 BSP thread only from 14ccm to 52ccm
L3L3	27mm-Ø51mm-M10 diamond flange 27mm-Ø51mm-M10 diamond flange only from 14ccm to 52ccm
P3P3	1"-M10 SAE metric flange 1"-M10 SAE metric flange only from 16ccm to 52ccm

Example: L3 = inlet port
L2 = outlet port

Code	Shaft Seal
X	No seal
N	**NBR**
T [4]	PTFE

[4] Must be used for motors.

Bold letters =
Express delivery within 5 work days

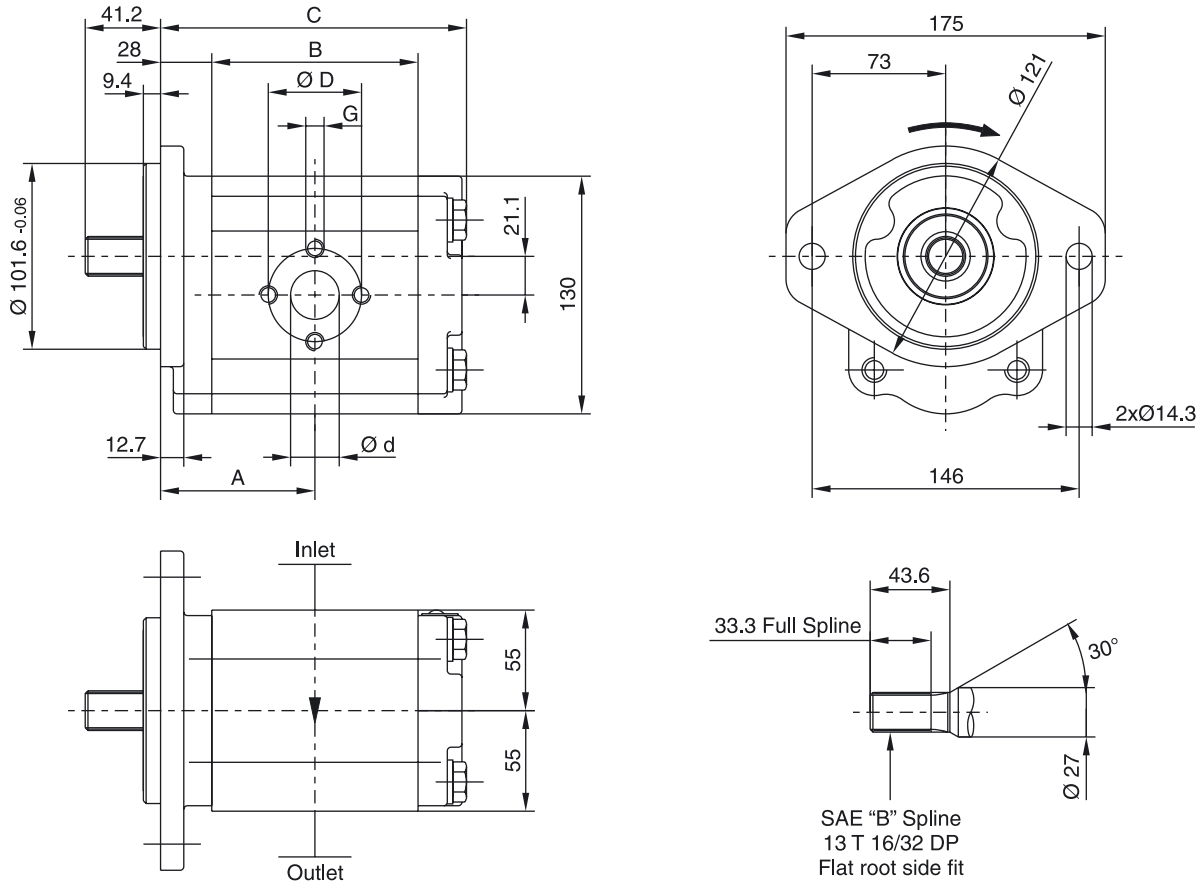
Code	Flange
D7	**98.4x128.2 - Ø50.77 rectangular**
H2	106.4 - Ø82.55 SAE "A" 2bolt flange
H3	**146.1 - Ø101.06 SAE "B" 2bolt flange**

PGP517 A XXXX Y D1 H3 N L3 L2 B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C		d	D	G		d	D	G	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0140	14.0	62.1	68.3	122.8	L3	27	51	M10	L2	19	40	M8	500	3400	250	**333 9111 506**	
0160	16.0	63.2	70.3	124.8	L3	27	51	M10	L2	19	40	M8	500	3400	250	**333 9111 507**	
0190	19.0	64.7	73.3	127.8	L3	27	51	M10	L2	19	40	M8	500	3300	250	**333 9111 378**	
0230	23.0	66.7	77.4	131.9	L3	27	51	M10	L2	19	40	M8	500	3300	250	**333 9111 151**	333 9112 113
0250	25.0	67.7	79.4	133.9	L3	27	51	M10	L2	19	40	M8	500	3100	250	**333 9111 061**	333 9112 114
0280	28.0	69.2	82.4	136.9	L3	27	51	M10	L2	19	40	M8	500	3100	250	**333 9111 508**	
0330	33.0	71.7	87.5	142.0	L3	27	51	M10	L2	19	40	M8	500	2600	250	**333 9111 048**	333 9112 080
0380	38.0	74.3	92.5	147.0	L3	27	51	M10	L2	19	40	M8	500	2300	250	**333 9111 004**	333 9112 102
0440	44.0	77.3	98.6	153.1	L3	27	51	M10	L2	19	40	M8	500	2000	220	**333 9111 106**	333 9112 115
0520	52.0	81.3	106.7	161.2	L3	27	51	M10	L2	19	40	M8	500	1700	200	**333 9111 509**	333 9112 151

Dimensions



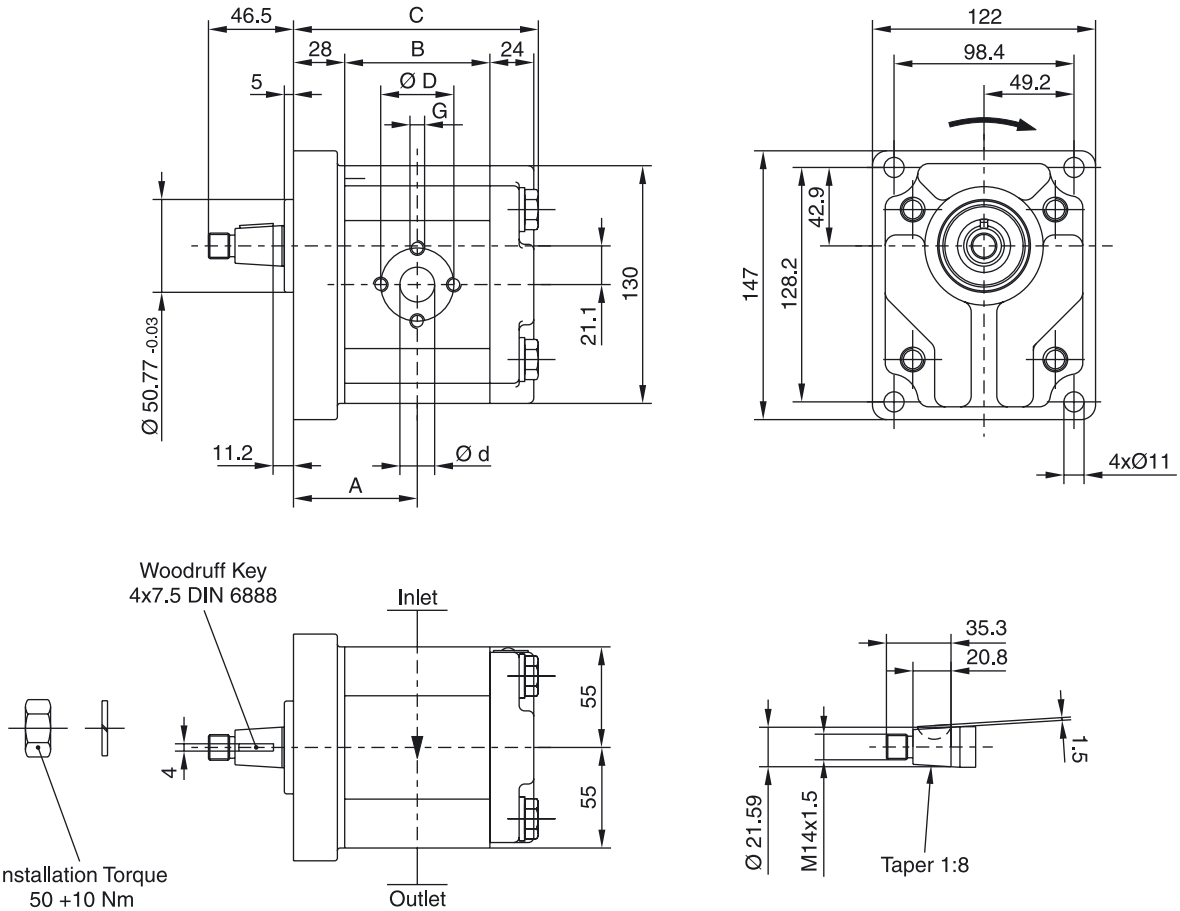
(Drawing shows clockwise rotation.)

PGP517 A XXXX Y T1 D7 N L3 L2 B1 B1

"Y" = C (clockwise rotation)
= A (counter-clockwise rotation)

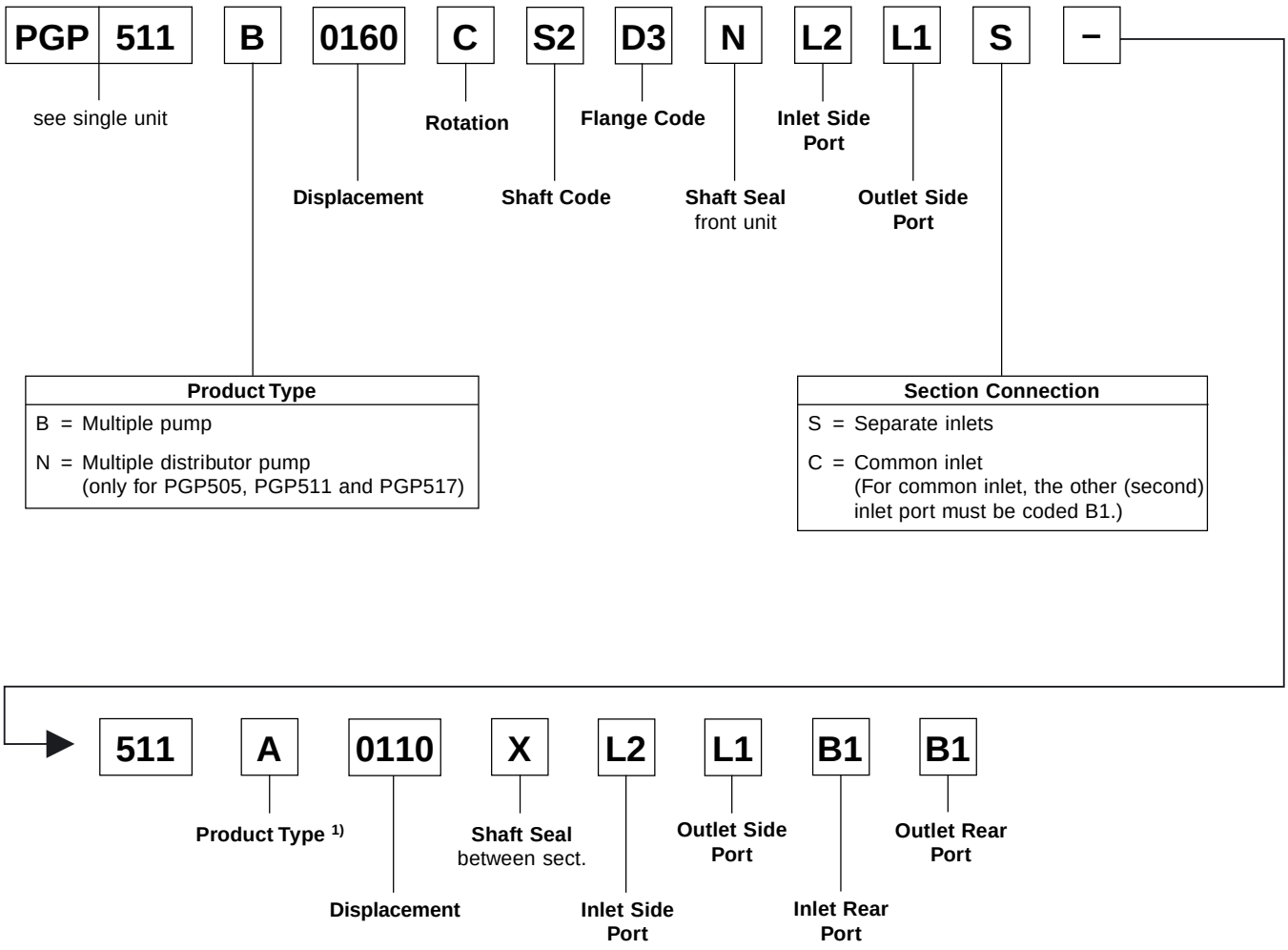
Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C		d	D	G		d	D	G	min. rpm	max. rpm	max. bar	clockwise	counter-clockwise
0140	14.0	62.1	68.3	122.8	L3	27	51	M10	L2	19	40	M8	500	3400	250	**333 9111 503**	
0160	16.0	63.2	70.3	124.8	L3	27	51	M10	L2	19	40	M8	500	3400	250	**333 9111 505**	
0190	19.0	64.7	73.3	127.8	L3	27	51	M10	L2	19	40	M8	500	3300	250	**333 9111 285**	333 9112 212
0230	23.0	66.7	77.4	131.9	L3	27	51	M10	L2	19	40	M8	500	3300	250	**333 9111 119**	333 9112 213
0250	25.0	67.7	79.4	133.9	L3	27	51	M10	L2	19	40	M8	500	3100	250	**333 9111 047**	333 9112 068
0280	28.0	69.2	82.4	136.9	L3	27	51	M10	L2	19	40	M8	500	3100	250	**333 9111 287**	333 9112 214
0330	33.0	71.7	87.5	142.0	L3	27	51	M10	L2	19	40	M8	500	2600	250	**333 9111 014**	333 9112 035
0380	38.0	74.3	92.5	147.0	L3	27	51	M10	L2	19	40	M8	500	2300	250	**333 9111 015**	333 9112 036
0440	44.0	77.3	98.6	153.1	L3	27	51	M10	L2	19	40	M8	500	2000	220	**333 9111 046**	333 9112 040
0520	52.0	81.3	106.7	161.2	L3	27	51	M10	L2	19	40	M8	500	1700	200	**333 9111 242**	333 9112 215

Dimensions



(Drawing shows clockwise rotation.)

Code sheet for multiple units



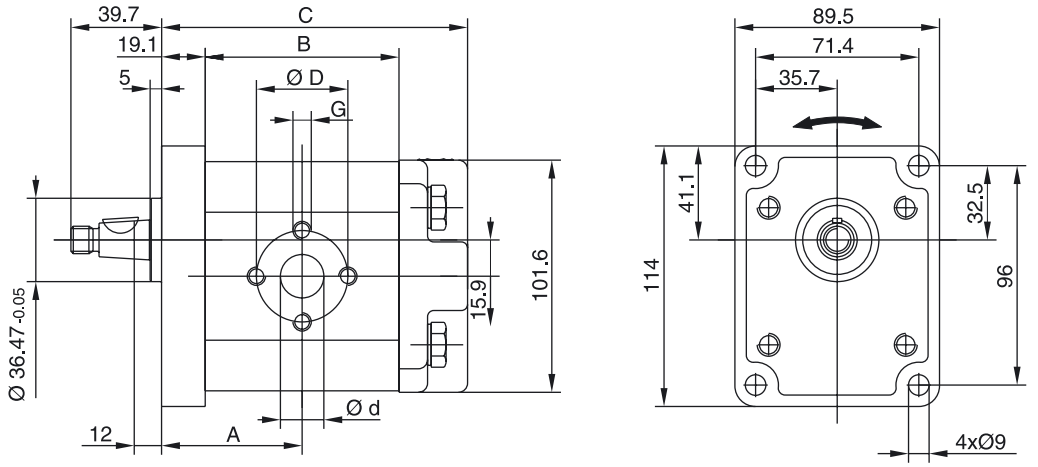
1) further B possible for triple units

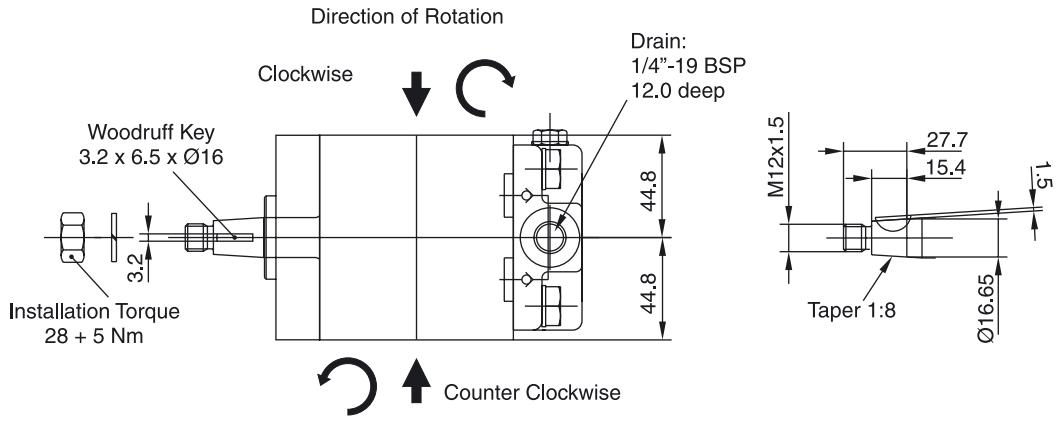
This coding system can be used for all pumps series 500.

PGM511 B XXXX B S2 D3 N SS PP B1 B1 G3 "B" = B (bi-directional)

Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number direction of rotation	
XXXX	cm³/rev	A	B	C	SS	d	D	G	PP	d	D	G	min. rpm	max. rpm	max. bar	bi-directional	
0060	6.0	44.1	50.1	99.2	L1	13	30	M6	L1	13	30	M6	500	3500	250	334 9219 117	
0080	8.0	45.7	53.3	102.4	L1	13	30	M6	L1	13	30	M6	500	3500	250	334 9219 118	
0110	11.0	48.1	58.0	107.1	L1	13	30	M6	L1	13	30	M6	500	3500	250	334 9219 119	
0140	14.0	50.4	62.8	111.9	L2	19	40	M8	L2	19	40	M8	500	3500	250	334 9219 120	
0160	16.0	52.0	65.9	115.0	L2	19	40	M8	L2	19	40	M8	500	3500	250	334 9219 121	
0190	19.0	54.4	70.6	119.7	L2	19	40	M8	L2	19	40	M8	500	3400	210	334 9219 122	
0230	23.0	57.5	76.9	126.0	L2	19	40	M8	L2	19	40	M8	500	2800	210	334 9219 123	
0270	27.0	60.7	83.2	132.3	L2	19	40	M8	L2	19	40	M8	500	2400	190	334 9219 124	
0310	31.0	63.8	89.5	138.6	L2	19	40	M8	L2	19	40	M8	500	2100	185	334 9219 125	
0330	33.0	65.4	92.6	141.7	L2	19	40	M8	L2	19	40	M8	500	2000	185	334 9219 126	

Dimensions





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