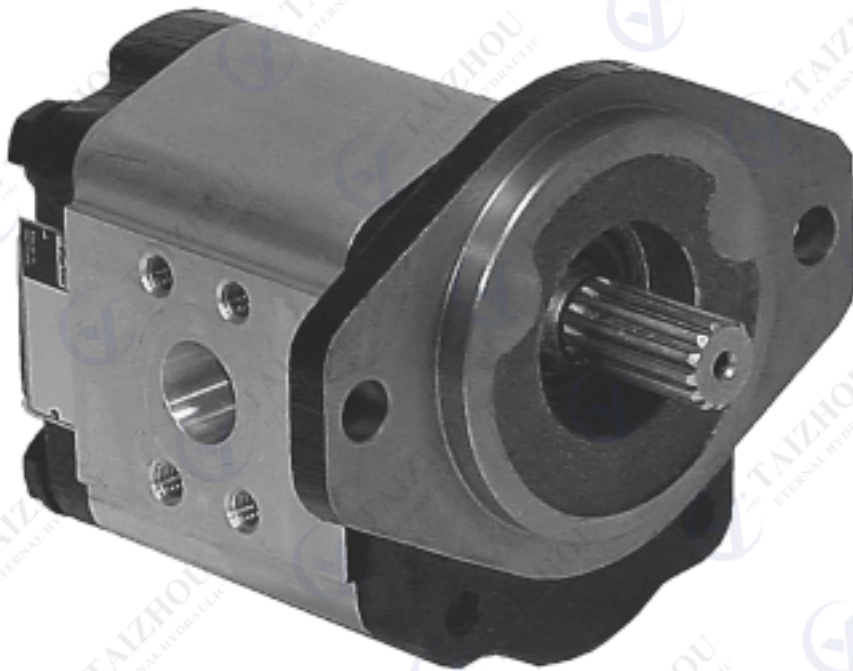


Gear Pumps/Motors Series PGP/PGM 500

Express Delivery Program



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Bold letters =
Express delivery
within 5 work days

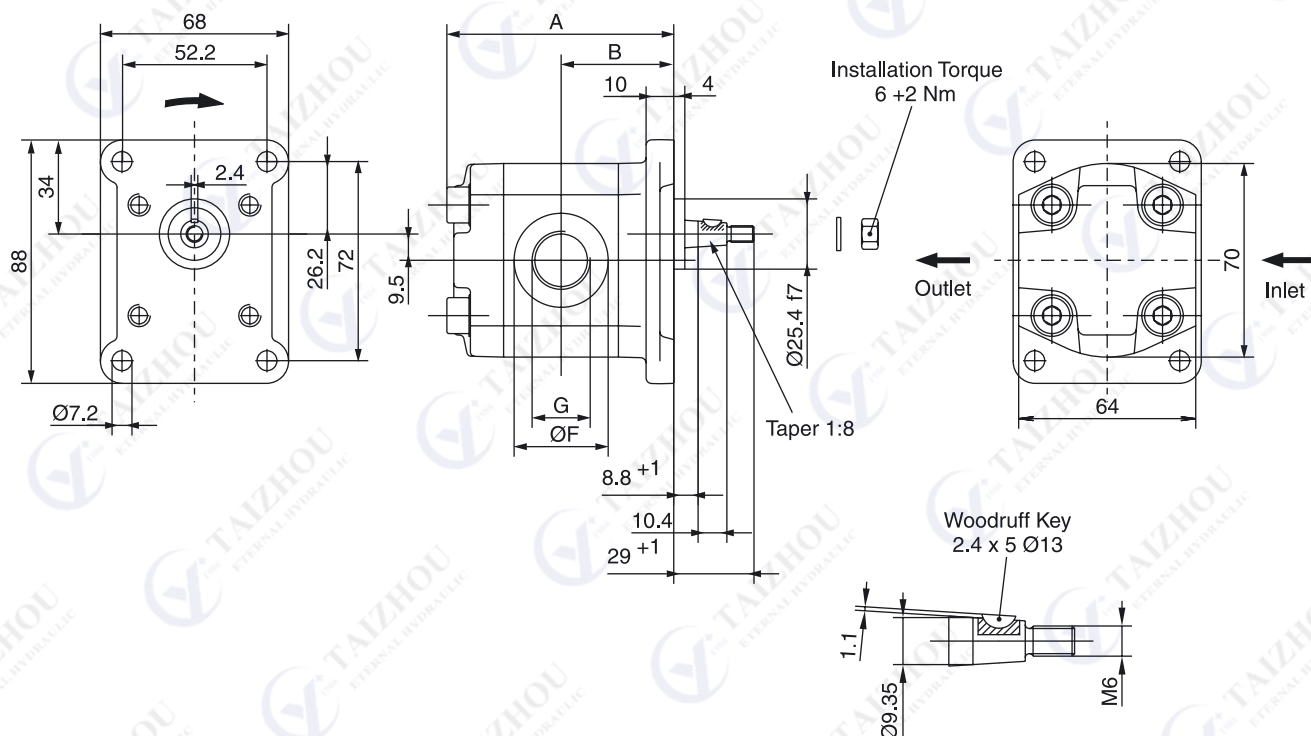
B1 = no drain, product type must be "B" or "C".

PGP503 A XXXX Y P2 D1 N E3 E2 B1 B1

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

Displacement XXXX	cm³/rev	Dimension		Inlet Port			Outlet Port			Speed of Rotation		Working Pressure max. bar	Order Number direction of rotation	
		A	B	E3	G	F	G	F		min. rpm	max. rpm		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.)

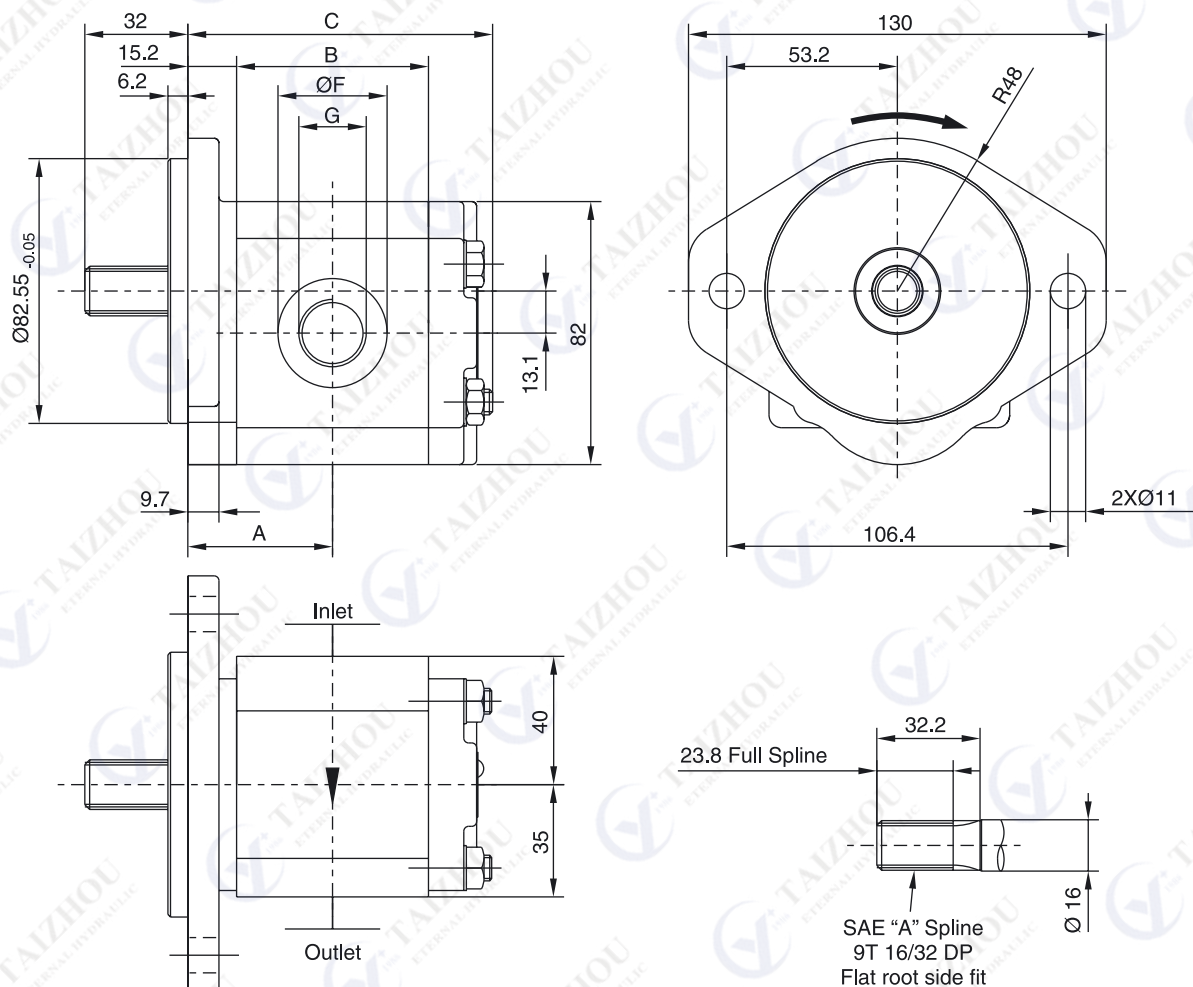
PGP505 A XXXX Y A1 H2 N E5 E3 B1 B1

“Y” = C (clockwise rotation)

= A (counter-clockwise rotation)

Displacement XXXX	cm ³ /rev	Dimension			Inlet Port		Outlet Port		Speed of Rotation		Working Pressure max. bar	Order Number direction of rotation	
		A	B	C	G	F	G	F	min. rpm	max. rpm		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



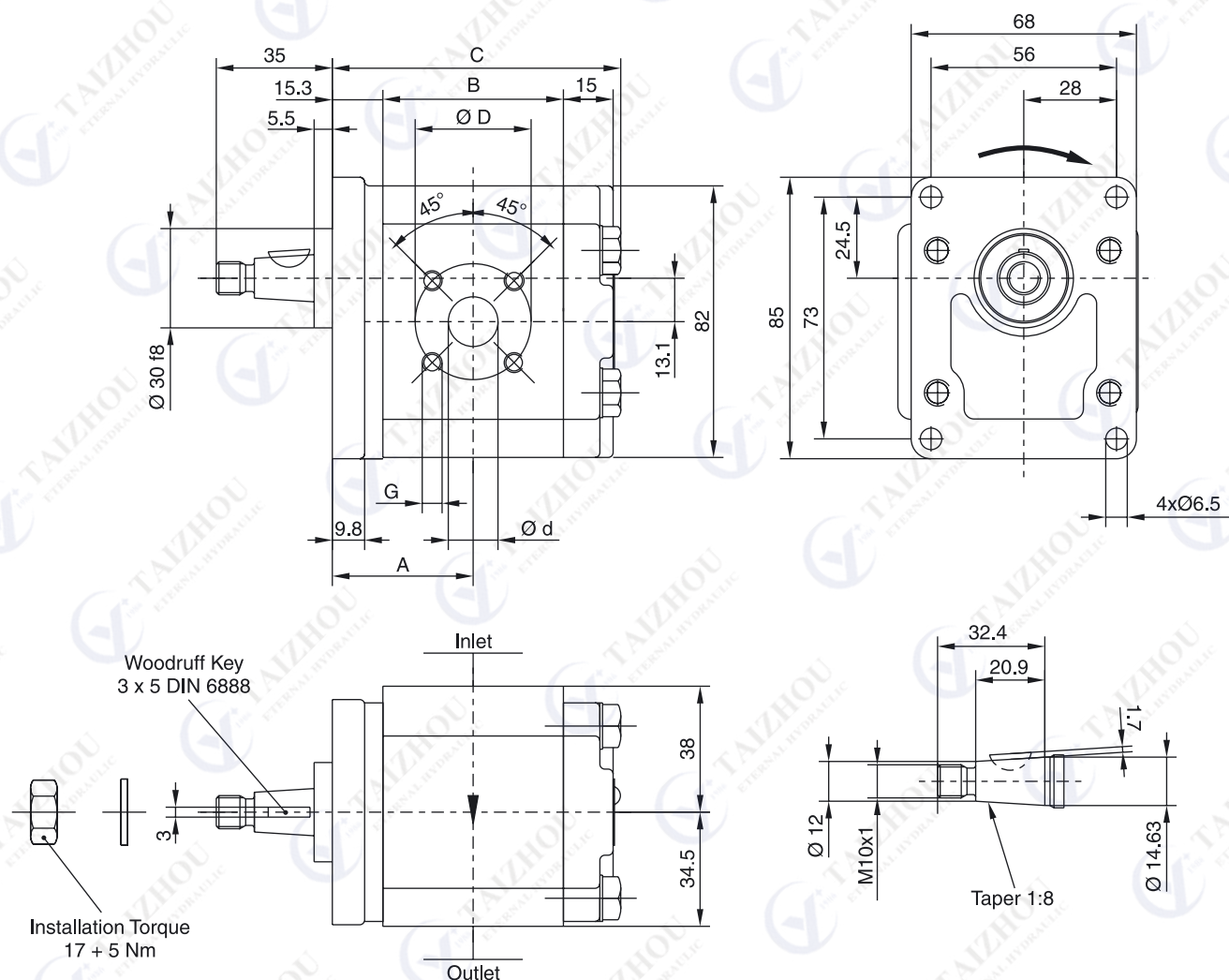
(Drawing shows clockwise rotation.)

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		
XXXX	cm³/rev	A	B	C		d	D	G		d	D	G	min. rpm	max. rpm	max. bar	direction of rotation	
																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.)

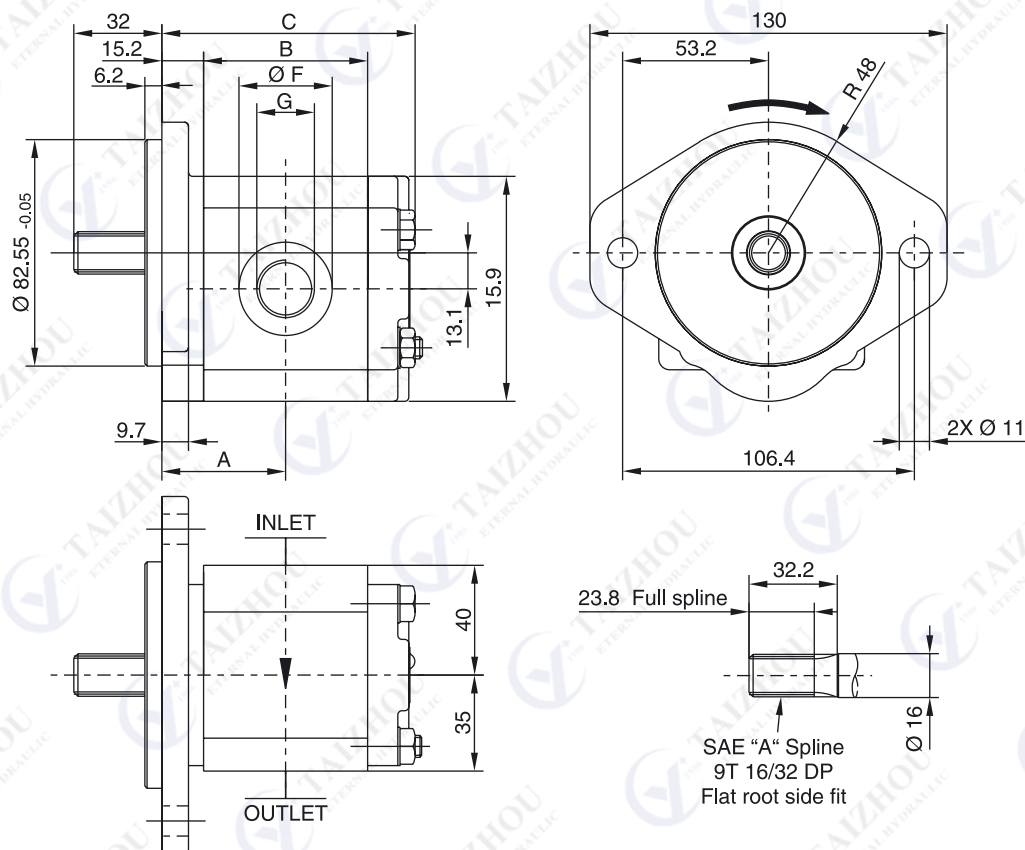
PGP505 A XXXX Y A1 H2 N SS PP B1 B1

"Y" = C (clockwise rotation)

= A (counter-clockwise rotation)

Displacement XXXX	cm ³ /rev	Dimension			Inlet Port			Outlet Port			Speed of Rotation		Working Pressure max. bar	Order Number direction of rotation	
		A	B	C	SS	G	F	PP	G	F	min. rpm	max. rpm		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											B	1	B	1	1)
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Gear Design

Type

Unit

Displacement

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
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

Bold letters =
Express delivery
within 5 work days

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

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.

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".

⁶⁾ Only used with ports L*L*.

⁷⁾ Only used with ports J*J*.

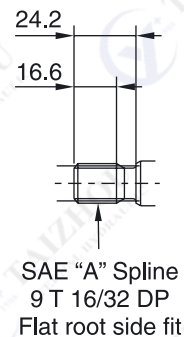
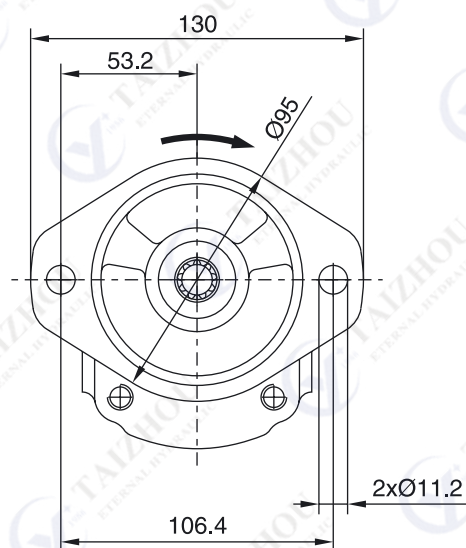
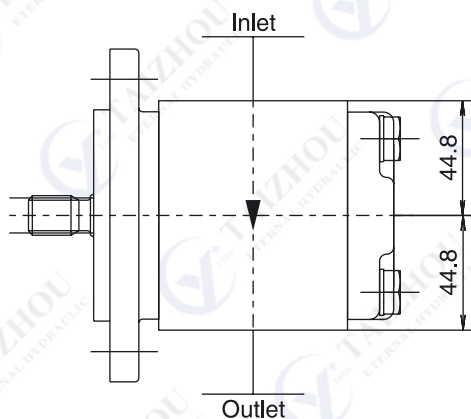
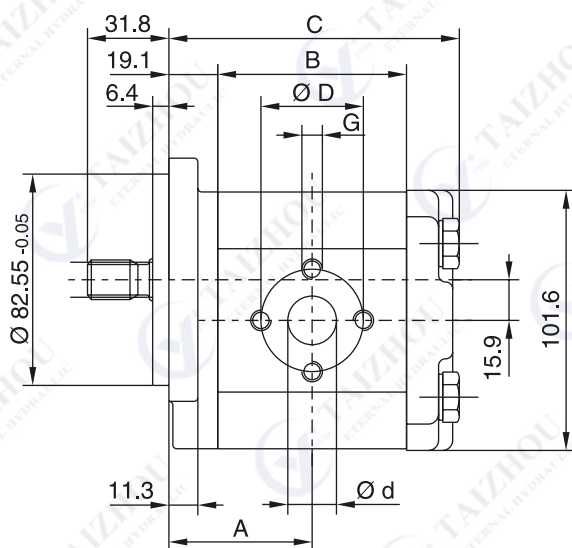
PGP511 A XXXX Y A1 H2 N SS PP B1 B1

“Y” = C (clockwise rotation)

= A (counter-clockwise rotation)

Displacement XXXX	cm³/rev	Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure max. bar	Order Number direction of rotation	
		A	B	C	SS	d	D	G	PP	d	D	G	min. rpm	max. rpm		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

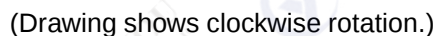
Dimensions



(Drawing shows clockwise rotation.)

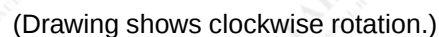
“Y” = C (clockwise rotation)
= A (counter-clockwise rotation)

Dimensions



“Y” = C (clockwise rotation)
= A (counter clockwise rotation)

Dimensions



Gear Pumps and Motors Series PGP/PGM517

PG		517											B	1	B	1	1)
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Gear Design

Type

Unit

**Dis-
placement**

Rotation

Shaft

Flange

Shaft Seal

Inlet

Outlet

Side Ports

Option

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".

Bold letters =
Express delivery
within 5 work days

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.

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

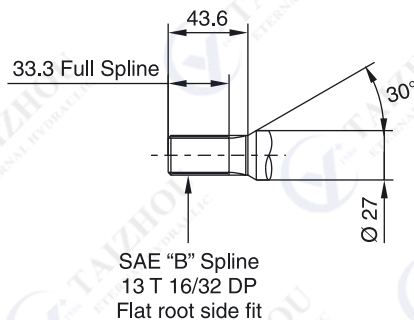
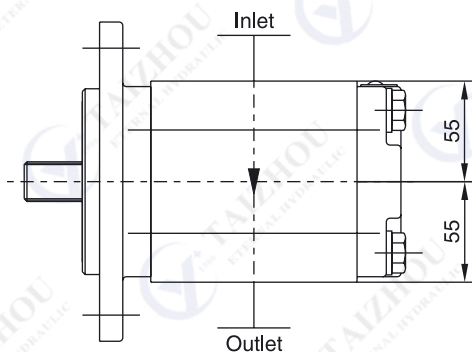
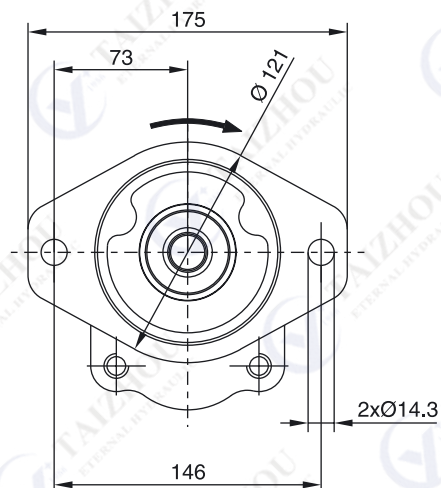
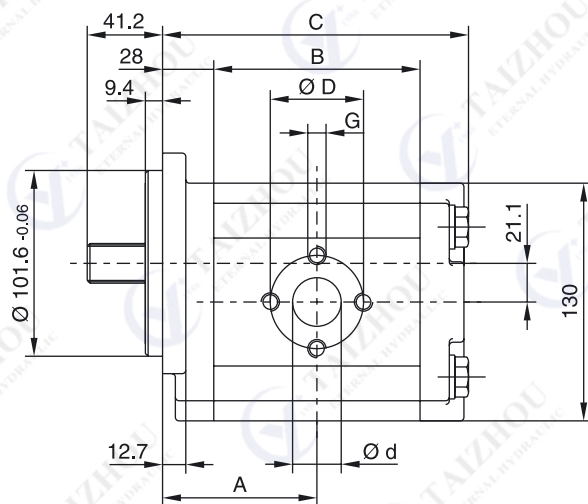
PGP517 A XXXX Y D1 H3 N L3 L2 B1 B1

“Y” = C (clockwise rotation)

= A (counter-clockwise rotation)

Displacement XXXX	cm³/rev	Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure max. bar	Order Number	
		A	B	C	d	D	G		d	D	G		min. rpm	max. rpm		direction of rotation	
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



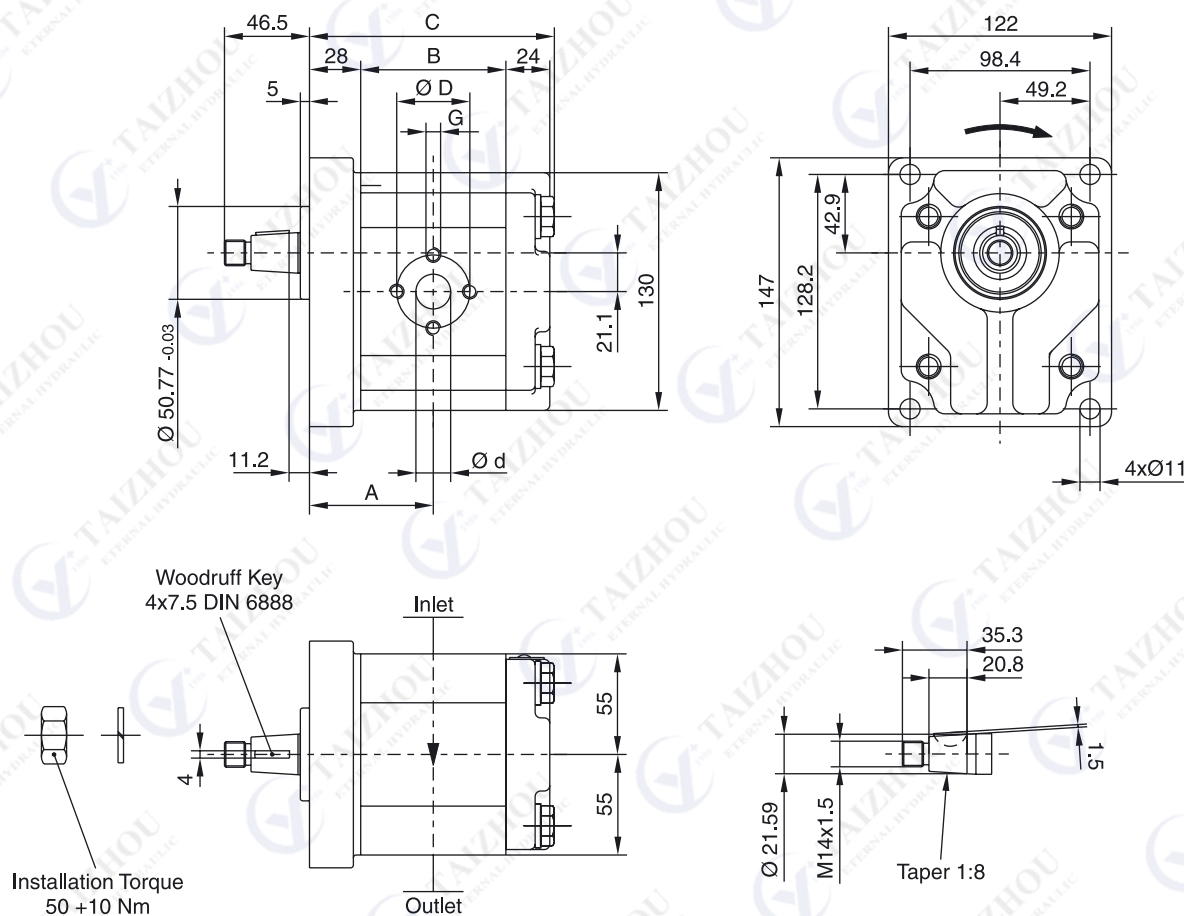
(Drawing shows clockwise rotation.)

PGP517 A XXXX Y T1 D7 N L3 L2 B1 B1

“Y” = C (clockwise rotation)
= A (counter-clockwise rotation)

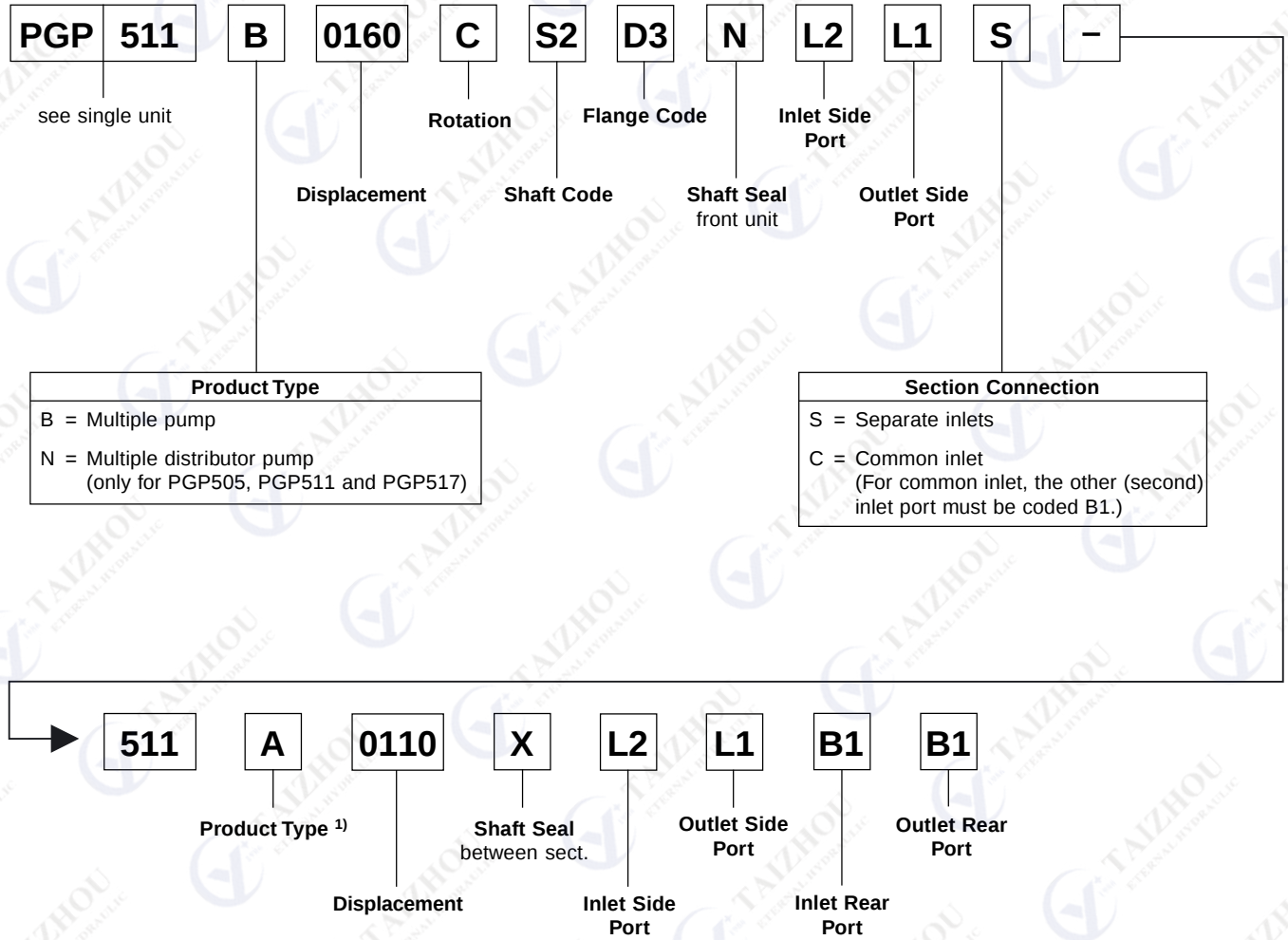
Displacement		Dimension			Inlet Port				Outlet Port				Speed of Rotation		Working Pressure	Order Number	
XXXX	cm³/rev	A	B	C		d	D	G		d	D	G	min. rpm	max. rpm	max. bar	direction of rotation	
																clockwise	counter-clockwise
0140	14.0	62.1	68.3	122.8	L3	27	51	M10	L2	19	40	M8	500	3400	250	333 9111 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	
XXXX	cm³/rev	A	B	C	SS	d	D	G	PP	d	D	G	min. rpm	max. rpm	max. bar	bi-directional	direction of rotation
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

