



◆ Model number

SGP400 A 30 A 1 H 1 - L XXX

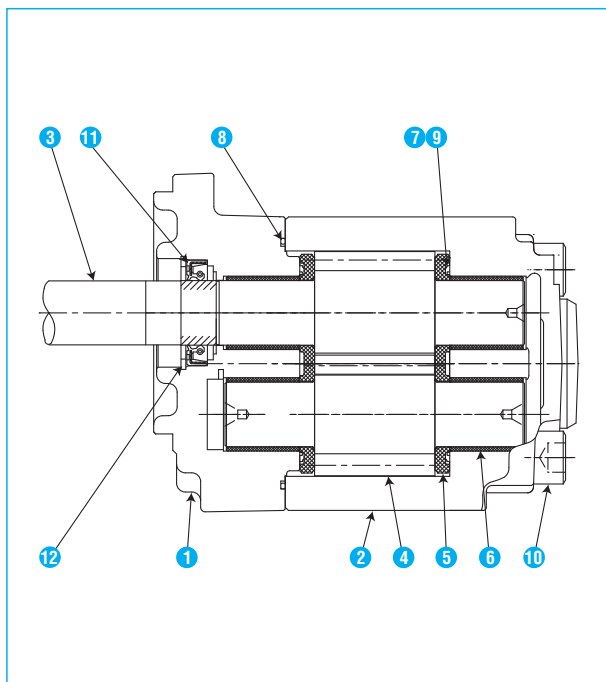
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- | | | | |
|---|---|--|--|
| ① Series number
SGP400 series | ④ Position of ports
A : side ports
D : rear ports | ⑥ Mounting
H : horizontal 2 bolts | ⑧ Rotation viewing from shaft end
L = counterclockwise
R = clockwise |
| ② Mounting spigot diameter
- : $\phi 82_{-0.036}^{0.036}$ Z : $\phi 102_{-0.036}^{0.036}$
A : $\phi 82.55_{-0.05}^0$ B : $\phi 101.6_{-0.05}^0$ | ⑤ Port configuration
1 : flange port
2 : G screw thread | ⑦ Shaft end
1 : SAE Spline 13 teeth | ⑨ Code number in 3 figures |
| ③ Size | | | |

◆ Specifications

Size	Displacement		Rated pressure			Max. peak pressure			Speed min ⁻¹		Inlet pressure	Mass	
	cm ³	in ³	MPa	bar	psi	MPa	bar	psi	MIN.	MAX.		kg	lb
16	16.0	0.976	25.0	250	3625	30.0	300	4350	500	3500	bar -0.20~ 2.0	3.3	7.26
26	26.3	1.604								3400		5.8	12.76
27	27.5	1.678								3300	MPa -0.02~ 0.2	5.9	12.98
30	29.5	1.800	24.5	245	3553	29.4	294	4263		3200		6.0	13.20
32	32.8	2.001	22.0	220	3190	26.4	264	3828		psi -2.9 ~29		6.2	13.64
34	33.6	2.050	21.5	215	3118	25.8	258	3741		3100		6.3	13.86

◆ Typical assembly



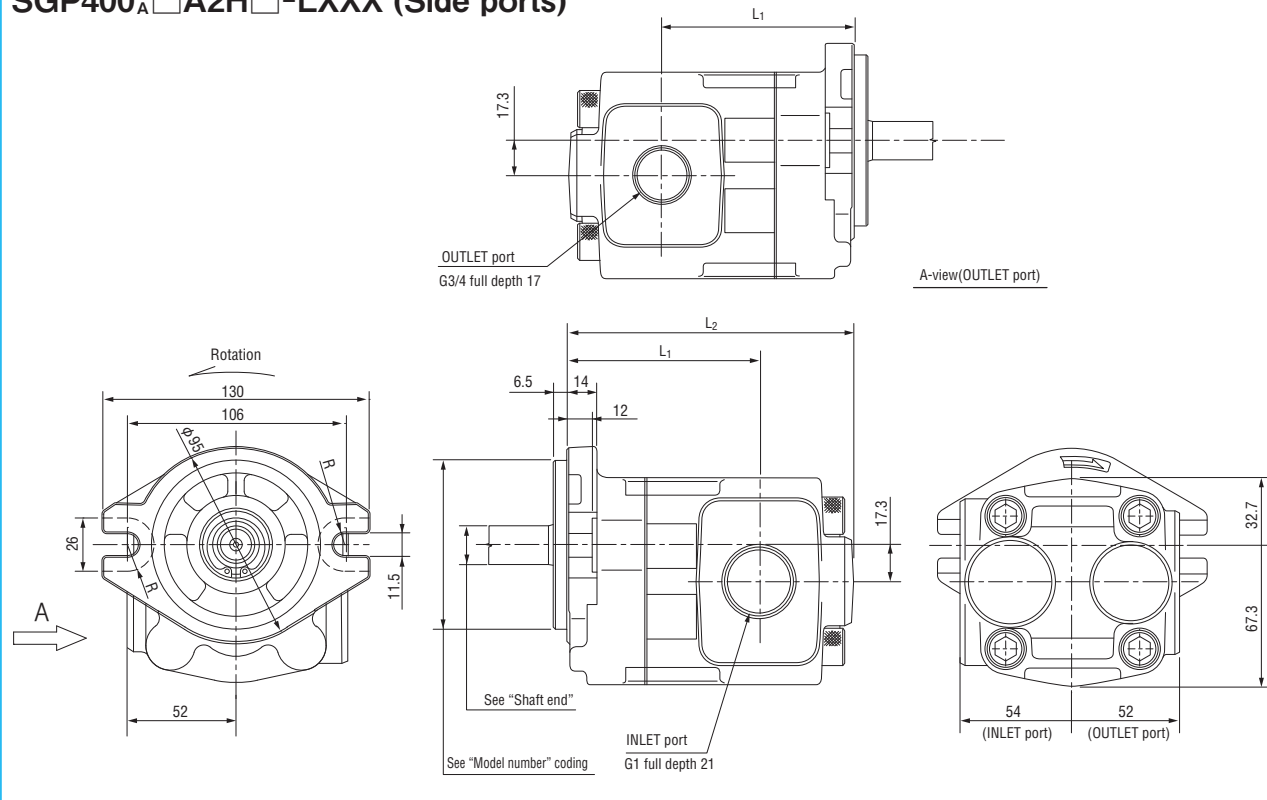
Item No.	Name	QTY	Material
①	Front cover	1	Aluminum alloy
②	Body	1	Cast iron
③	Drive gear	1	Alloy steel
④	Driven gear	1	Alloy steel
⑤	Side plate	2	Special alloy steel
⑥	Bush	4	Special alloy steel
⑦	Gasket	2	Nitrile rubber
⑧	O-ring	1	Nitrile rubber
⑨	Back-up	2	Synthetic resin
⑩	Bolt	4	Alloy steel
⑪	Oil seal	1	Nitrile rubber
⑫	Retainer ring	1	Carbon steel

NOTES : "QTY" shows the amount per one

◆ Outline dimensions

dimensions in mm

SGP400-A□A2H□-LXXX (Side ports)



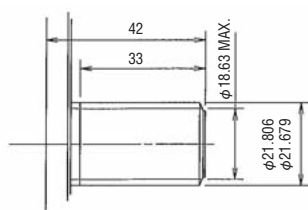
- NOTE 1. Figure shown indicated counterclockwise rotation "L" viewing from shaft end.
2. Unless otherwise specified, tolerance on dimension are ± 1.0 mm.

Size	L ₁	L ₂
16	71.3	118
26	83.8	131
27	85.3	132
30	87.8	135
32	91.8	139
34	92.8	140

● Shaft end

SAE Spline (Some dimensions are different form SAE standard.)

SAE Spline 13 teeth



No. of tooth : 13
D.P. : 16/32
Pressure angle : 30°
Over pin dia. : 24.891 ~
24.819
Pin dia. : $\phi 3.048$