



## ◆ Model number

**SGP600** **B** **40** **A** **1** **H** **1** - **L** **XXX**

1
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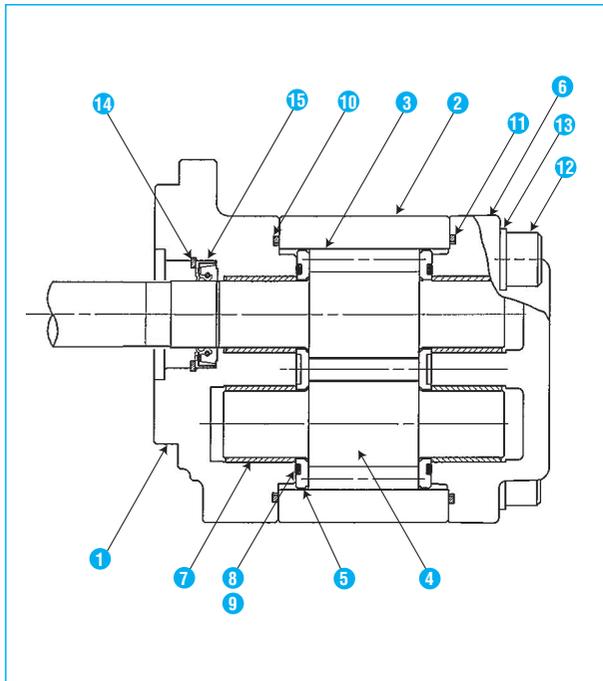
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|--|--|---|--|
| <p><b>1</b> Series number<br/>SGP600 series</p> <p><b>2</b> Mounting spigot diameter<br/>- : <math>\phi 82_{-0.036}^{-0.036}</math> Z : <math>\phi 102_{-0.036}^{-0.036}</math><br/>A : <math>\phi 82.55_{-0.05}^{-0.05}</math> B : <math>\phi 101.6_{-0.05}^{-0.05}</math></p> <p><b>3</b> Size</p> | <p><b>4</b> Position of ports<br/>A : body side ports<br/>D : rear ports</p> <p><b>5</b> Port configuration<br/>1 : flange port<br/>2 : G screw thread</p> | <p><b>6</b> Mounting<br/>H : horizontal 2 bolts</p> <p><b>7</b> Shaft end<br/>1 : SAE Spline 13 teeth<br/>6 : SAE Spline 15 teeth</p> | <p><b>8</b> Rotation viewing from shaft end<br/>L = counter clockwise<br/>R = clockwise</p> <p><b>9</b> Code number in 3 figures</p> |
|--|--|---|--|

## ◆ Specifications

Size	Displacement		Rated pressure			Max. peak pressure			Speed min <sup>-1</sup>		Inlet pressure	Mass	
	cm <sup>3</sup>	in <sup>3</sup>	MPa	bar	psi	MPa	bar	psi	min.	max.		kg	lb
SGP600-40	40.3	2.458	25.0	250	3625	30.0	300	4350	500	3000	bar	6.6	14.52
-44	44.5	2.715									MPa	6.8	14.96
-48	48.7	2.971									-0.20~2.0	7.1	15.62
-52	52.2	3.184									-0.02~0.2	7.2	15.84
-56	55.8	3.404									psi	7.4	16.28
-60	60.0	3.660									-2.9 ~29	7.7	16.94

NOTE : ( ) Inlet port  $\phi 32$

## ◆ 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	Rear cover	1	Aluminum alloy
7	Bush	4	Special alloy steel
8	Gasket	2	Nitril rubber
9	Back-up	2	Synthetic resin
10	Gasket	1	Nitril rubber
11	Gasket	1	Nitril rubber
12	Bolt	4	Alloy steel
13	Washer	4	Carbon steel
14	Retainer ring	1	Carbon tool steel
15	Oil seal	1	Nitril rubber

NOTES : "QTY" shows the amount per one

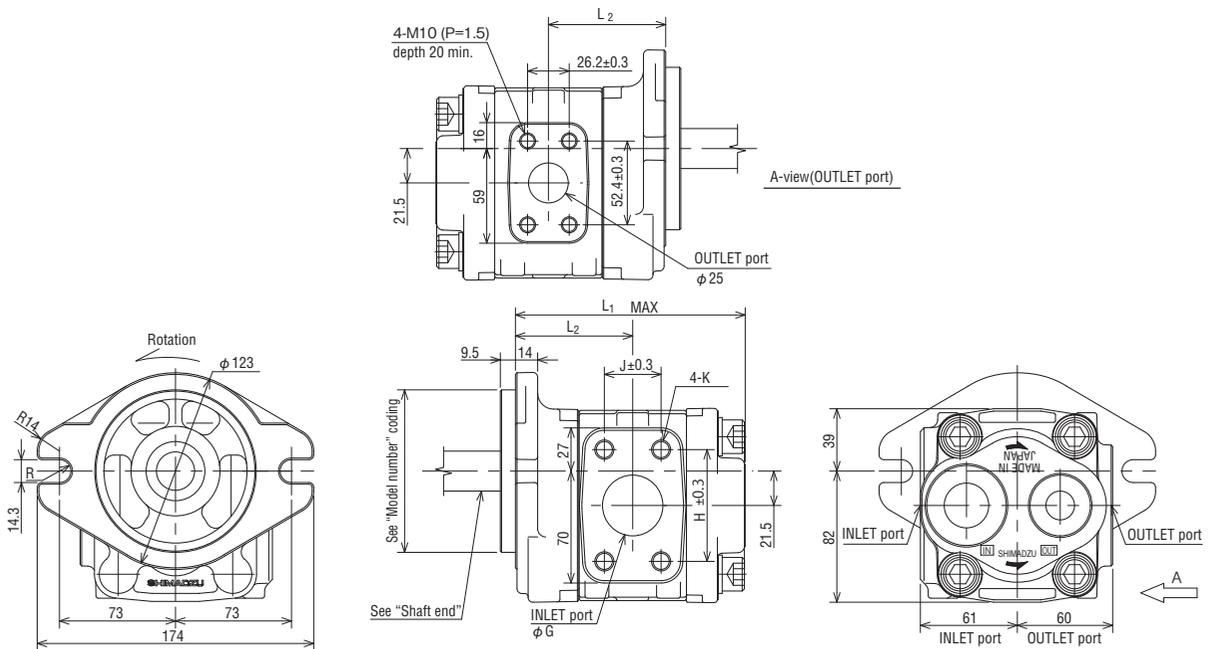
## ◆ Outline dimensions

dimensions in mm

### SGP600-□A1H□-LXXX (Body side ports)

#### INLET PORT

Size	φG	H	J	K	L/min
1-1/4	φ32	58.7	30.2	M10 (P=1.5)	143
1-1/2	φ38	69.9	35.7	M12 (P=1.5)	205



NOTE 1. Figure shown indicated counter clockwise rotation "L" viewing from shaft end. Clockwise rotation "R" is mirror image of this.

2. Unless otherwise specified, tolerance on dimension are ±1.0 mm.

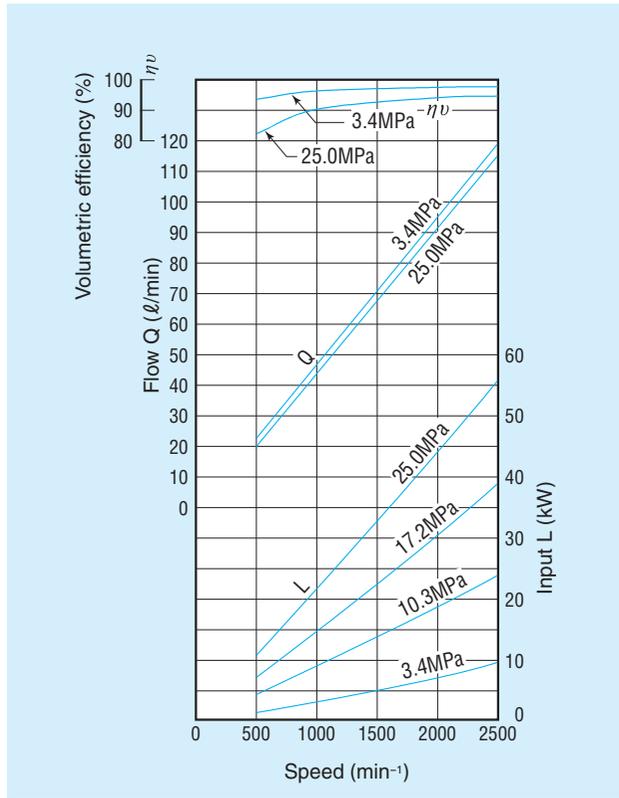
Size	L <sub>1</sub>	L <sub>2</sub>
SGP600-40	137	68.8
-44	140	70.6
-48	144	72.3
-52	147	73.8
-56	150	75.3
-60	153	77.1

## ● Shaft end

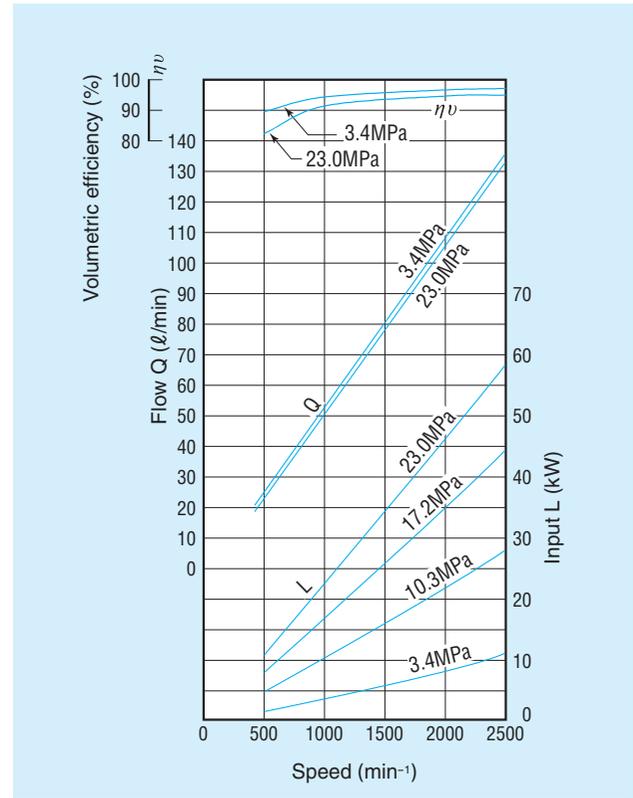
SAE Spline (Some dimensions are different form SAE standard.)

SAE Spline 13 teeth		SAE Spline 15 teeth	
	No. of tooth : 13		No. of tooth : 15
	D.P. : 16/32		D.P. : 16/32
	Pressure angle : 30°		Pressure angle : 30°
	Over pin dia. : φ24.891~ φ24.819		Over pin dia. : φ28.097~ φ28.025
	Pin dia. : φ3.048		Pin dia. : φ3.048

## SGP600-48



## SGP600-56



## SGP600-60

