



## ◆ Model number

**SMG600** **B** **40** **A** **1** **H** **1** - **L** **XXX**

①      ②      ③      ④      ⑤      ⑥      ⑦      ⑧      ⑨

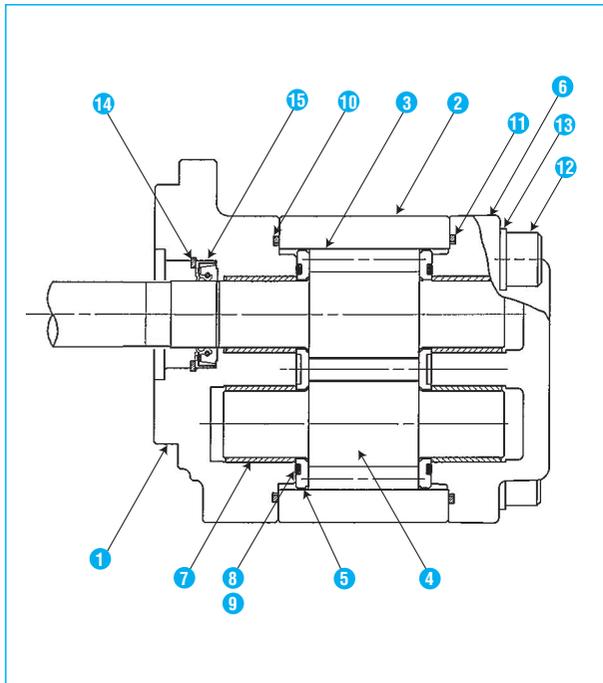
- |   |  |   |  |
|---|--|---|--|
| <p>① Series number<br/>SMG600 series</p> <p>② Mounting spigot diameter<br/>- : <math>\phi 82_{-0.036}^{0.036}</math> Z : <math>\phi 102_{-0.050}^{0.050}</math><br/>A : <math>\phi 82.55_{-0.05}^{0.05}</math> B : <math>\phi 101.6_{-0.05}^{0.05}</math></p> <p>③ Size</p> | <p>④ Position of ports<br/>A : body side ports<br/>D : rear ports</p> <p>⑤ Port configuration<br/>1 : flange port<br/>2 : G screw thread</p> | <p>⑥ Mounting<br/>H : horizontal 2 bolts</p> <p>⑦ Shaft end<br/>1 : SAE Spline 13 teeth<br/>6 : SAE Spline 15 teeth</p> | <p>⑧ Rotation viewing from shaft end<br/>L = counter clockwise<br/>R = clockwise</p> <p>⑨ 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
SMG600-40	41.7	2.544	23.0	230	3335	27.6	276	4002	500	3000	bar	7.1	15.62
-44	46.1	2.812									-0.20~ 2.0	7.3	16.06
-48	50.4	3.074									MPa	7.5	16.50
-52	54.1	3.300									-0.02~ 0.2	7.7	16.94
-56	57.8	3.526									psi	7.9	17.38
-60	62.1	3.788									-2.9 ~29	8.2	18.04

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

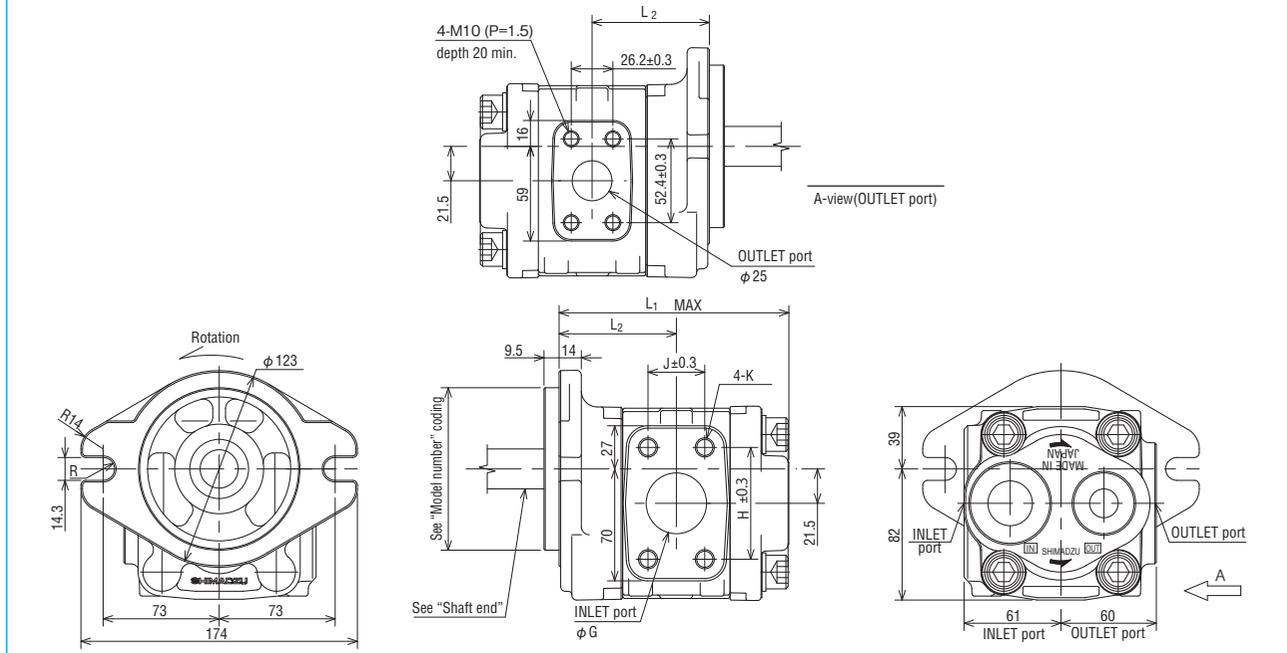
## ◆ Outline dimensions

dimensions in mm

### SMG600-□A1H□-LXXX (Body side ports)

#### INLET PORT

サイズ	φG	H	J	K	L/min
1-1/4	φ32	58.7	30.2	M10 (P=1.5) depth 20	143
1-1/2	φ38	69.9	35.7	M12 (P=1.5) depth 15	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  $\pm 1.0$  mm.

Size	L <sub>1</sub>	L <sub>2</sub>
SMG600-40	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
<p>No. of tooth : 13 D.P. : 16/32 Pressure angle : 30° Over pin dia. : φ24.891 ~ φ24.819 Pin dia. : φ3.048</p>	<p>No. of tooth : 15 D.P. : 16/32 Pressure angle : 30° Over pin dia. : φ28.097 ~ φ28.025 Pin dia. : φ3.048</p>