

◆Model number

YP15 S 11 A 2 H 1 - L XXX

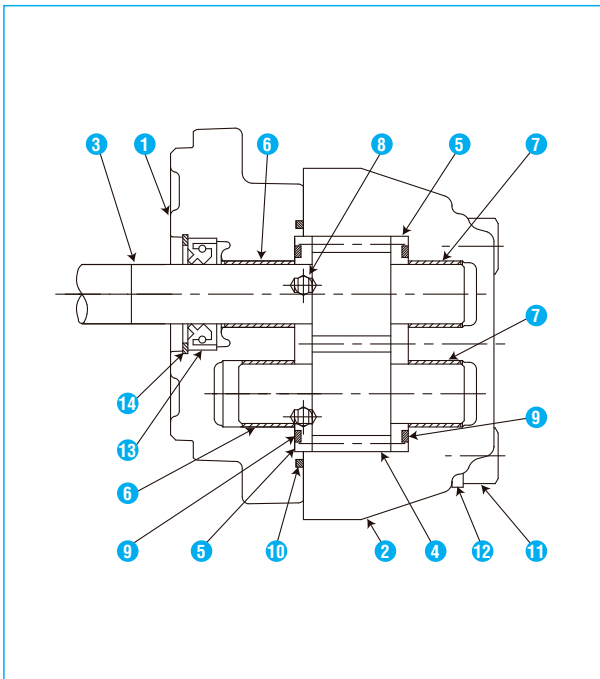
1 2 3 4 5 6 7 8 9

- | | | | |
|---|--|--|--|
| 1 Series number
YP15 series | 3 Size | 6 Mounting
H : horizontal 2 bolts | 8 Rotation viewing from shaft end
L = counter clockwise
R = clockwise |
| 2 Mounting spigot diameter
S : $\phi 82_{-0.036}^{0}$
A : $\phi 82.55_{-0.05}^{0}$ | 4 Position of ports
A : side ports
D : rear ports | 7 Shaft end
1 : SAE Spline 9 teeth
5 : straight key | 9 Code number in 3 figures |
| | 5 Port configuration
2 : G screw thread | | |

◆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
YP15-5	5.10	0.311	20.6	206	2987	22.6	226	3277	500	4000	bar -0.20~ 1.0 MPa -0.02~ 0.1 psi -2.9 ~14.5	1.8	3.96
-7	7.00	0.427										1.8	3.96
-8	8.02	0.489										1.9	4.18
-9.5	9.50	0.580										1.9	4.18
-11	11.0	0.669										2.2	4.84
-12	12.0	0.733										2.3	5.06
-14	13.9	0.848	17.2	172	2494	20.6	206	2987	3500	3500		2.3	5.06
-16	15.9	0.970	15.7	157	2277	17.2	172	2494		3100		2.3	5.06

◆Typical assembly



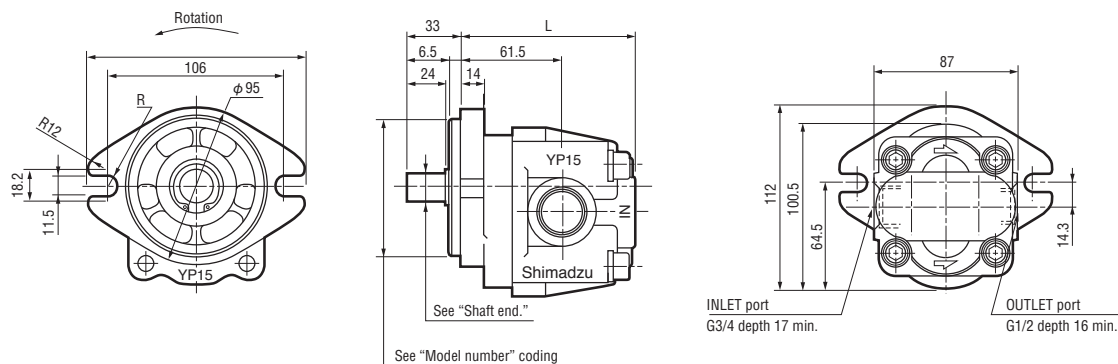
Item No.	Name	QTY	Material
1	Front cover	1	Aluminum alloy
2	Body	1	Aluminum alloy
3	Drive gear	1	Alloy steel
4	Driven gear	1	Alloy steel
5	Side plate	2	Special alloy steel
6	Bush	2	Special alloy steel
7	Bush	2	Special alloy steel
8	Steel ball	2	Alloy steel
9	Gasket	2	Nitril rubber
10	Gasket	1	Nitril rubber
11	Bolt	4	Alloy steel
12	Washer	4	Carbon steel
13	Oil seal	1	Nitril rubber
14	Retainer ring	1	Carbon steel

NOTES : "QTY" shows the amount per one

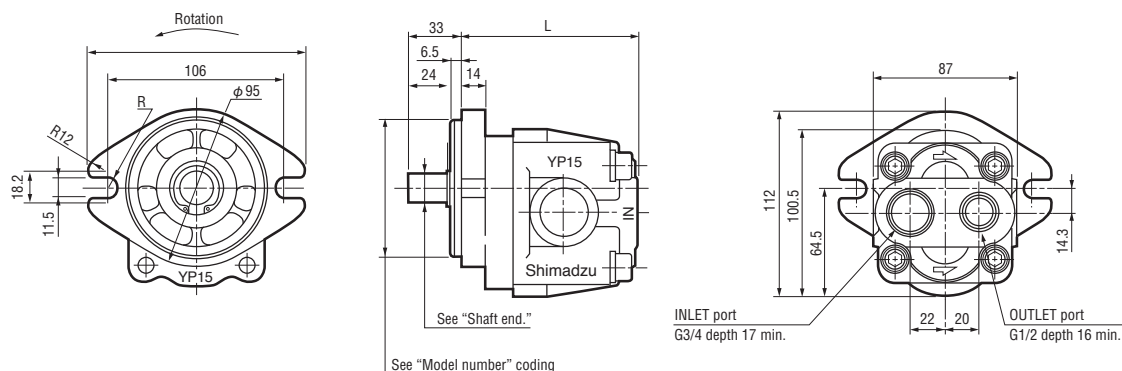
◆ Outline dimensions

dimensions in mm

YP15-A2H-L (Side ports)



YP15-□D2H□-L (Rear ports)



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.

3. Mounting flange of SAE "AA" is available on special order. Consult us.

Size	L
YP15-5	87
-7	
-8	
-9	
-11	104.5
-12	
-14	
-16	

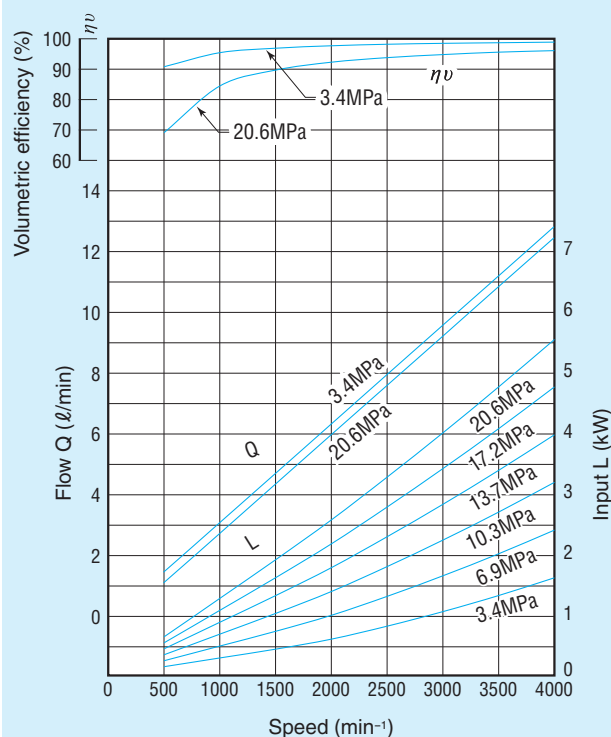
● Shaft end

Straight key	SAE Spline (Some dimensions are different form SAE standard.) 9 teeth
Technical drawing of a straight key. Side view shows a total length of 33, a hub length of 24, and a key height of 17. The key is labeled 4x4x18. The end view shows an outer diameter of $\phi 16h7$ with a tolerance of 0 to -0.018, and a central hole with a diameter of $\phi 17.5$ and a tolerance of 0 to -0.2. A note specifies 'M6(P=1.0) depth 9 min.' pointing to the key's root.	Technical drawing of an SAE Spline. Side view shows a total length of 33, a hub length of 24, a key length of 19, and an outer diameter of $\phi 17$. The end view shows a minor diameter of $\phi 11.9$ and a major diameter of $\phi 15.329$. The pin diameter is specified as $\phi 15.456 \sim 15.329$. A note specifies '9 teeth'. No. of tooth : 9 D.P. : 16/32 Pressure angle : 30° Over pin dia. : $\phi 18.313 \sim \phi 18.210$ Pin dia. : $\phi 3.048$

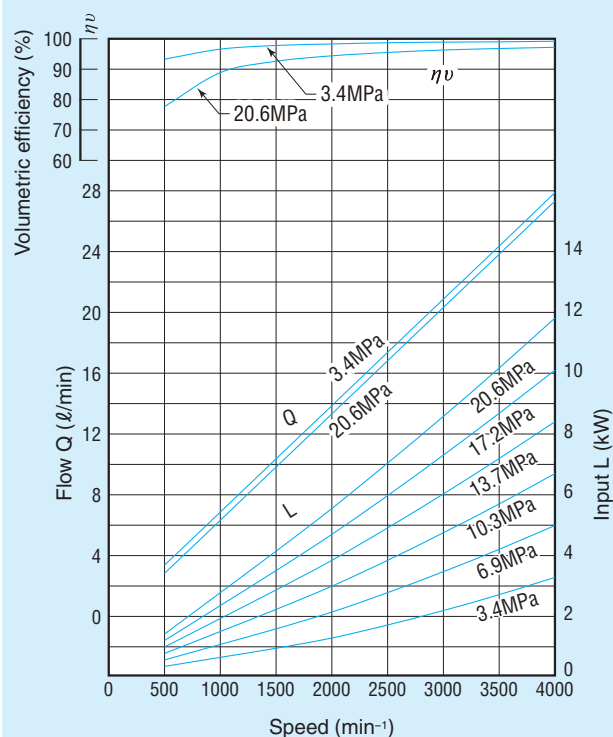
YP15 Series Performance curves

OIL: ISO VG32 Hydraulic Fluid at 40°C

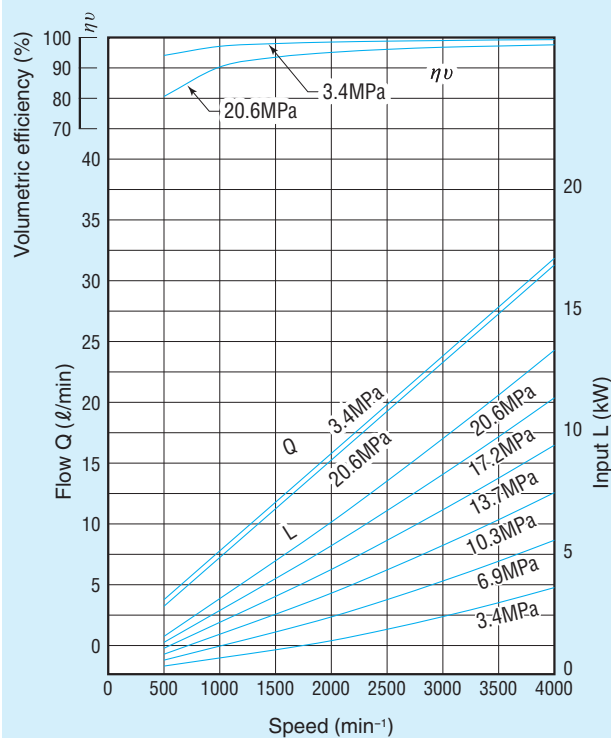
YP15-5



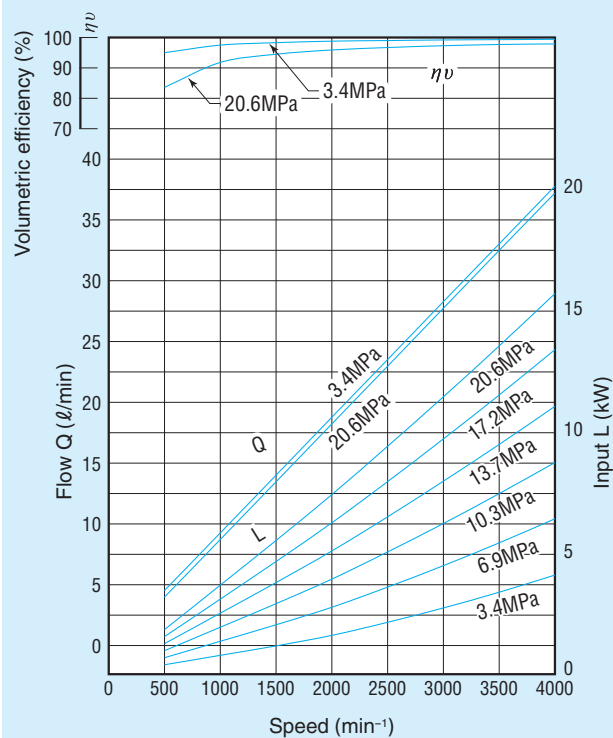
YP15-7



YP15-8



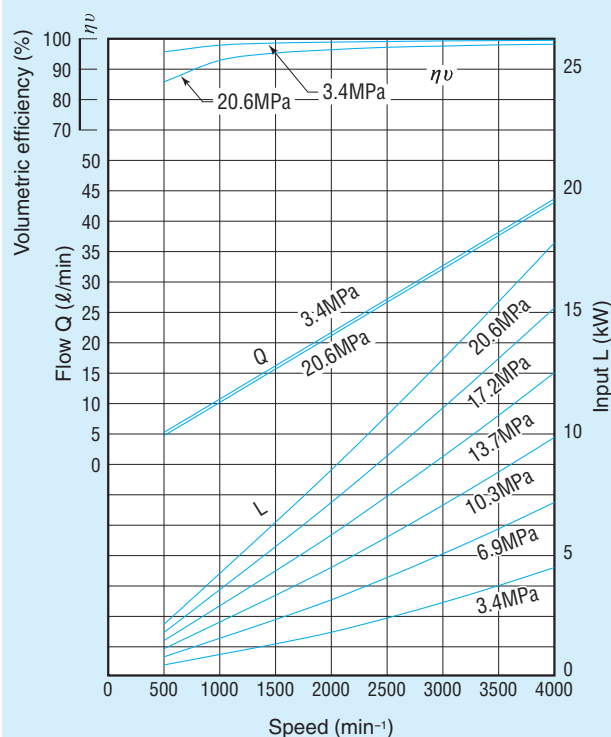
YP15-9.5



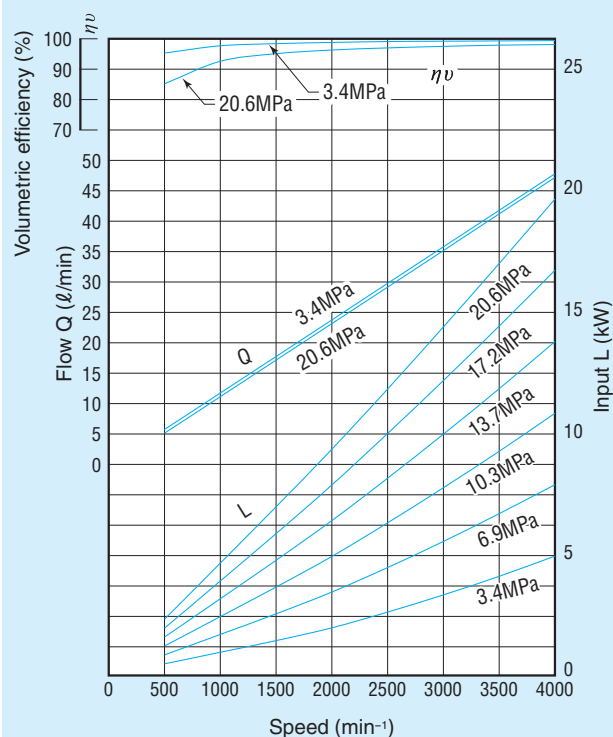
YP15 Series Performance curves

OIL: ISO VG32 Hydraulic Fluid at 40°C

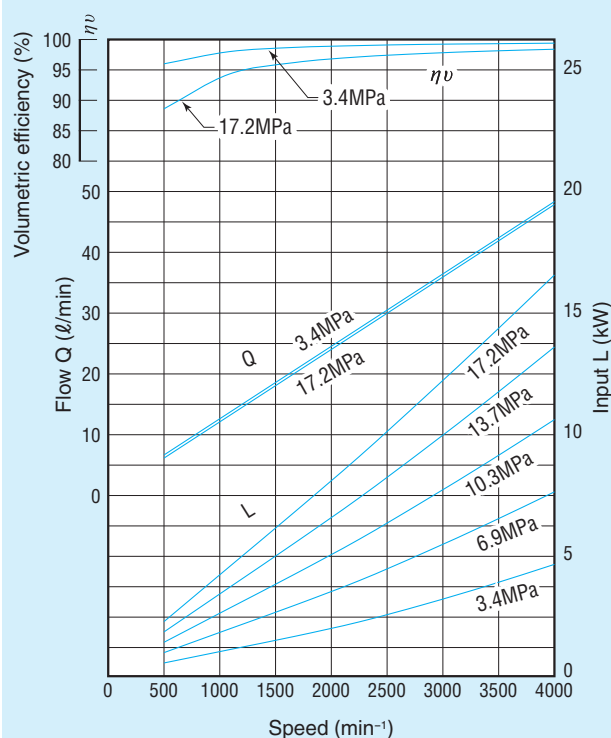
YP15-11



YP15-12



YP15-14



YP15-16

