



◆Model number

YP15 S 11 A 2 H 1 - L XXX

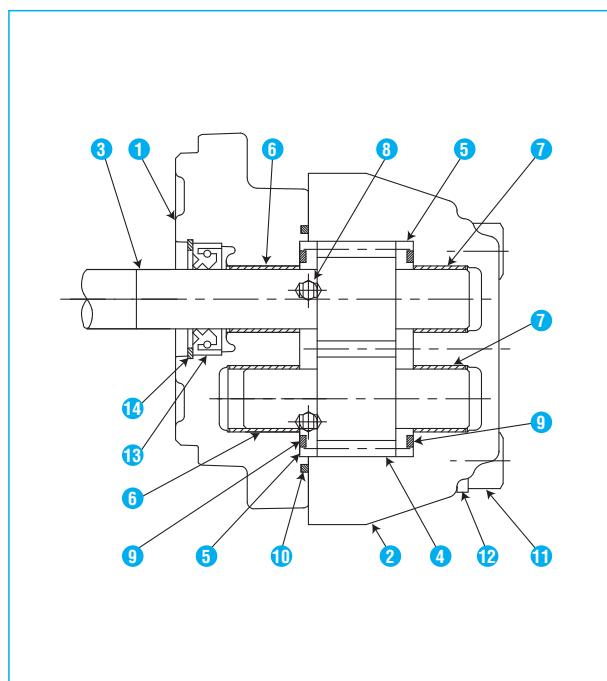
1 2 3 4 5 6 7 8 9

- | | | | |
|---|--|--|---|
| 1 Series number
YP15 series | 3 Size | 6 Mounting
H : horizontal 2 bolts | 8 Rotation viewing from shaft end
L = counterclockwise
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 | 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
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		2.3	5.06
16	15.9	0.970	15.7	157	2277	17.2	172	2494		3100		2.3	5.06

◆Typical assembly



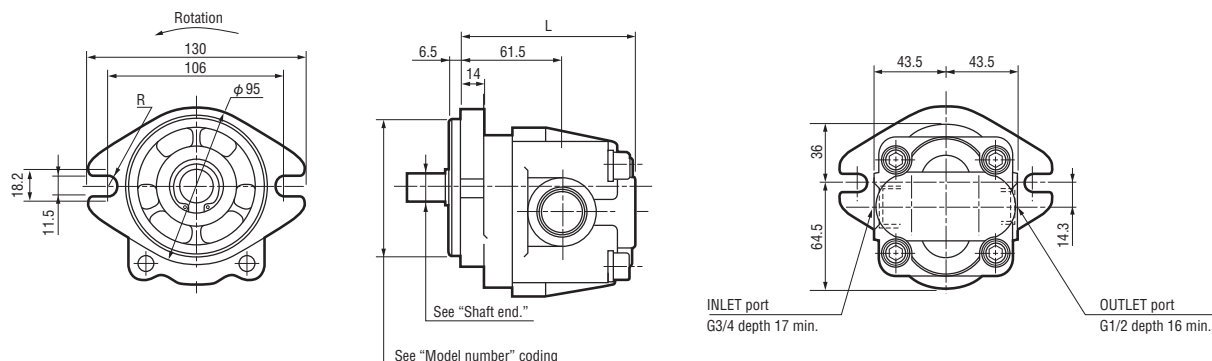
Item No.	Name	QTY	Material
1	Front cover	1	Aluminum alloy
2	Body	1	Aluminum alloy
3	Drive gear	1	Alloy steel
4	Driven gear	1	Alloy steel
5	Side plate	2	Special alloy steel
6	Bush	2	Special alloy steel
7	Bush	2	Special alloy steel
8	Steel ball	2	Alloy steel
9	Gasket	2	Nitrile rubber
10	Gasket	1	Nitrile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

NOTES : "QTY" shows the amount per one

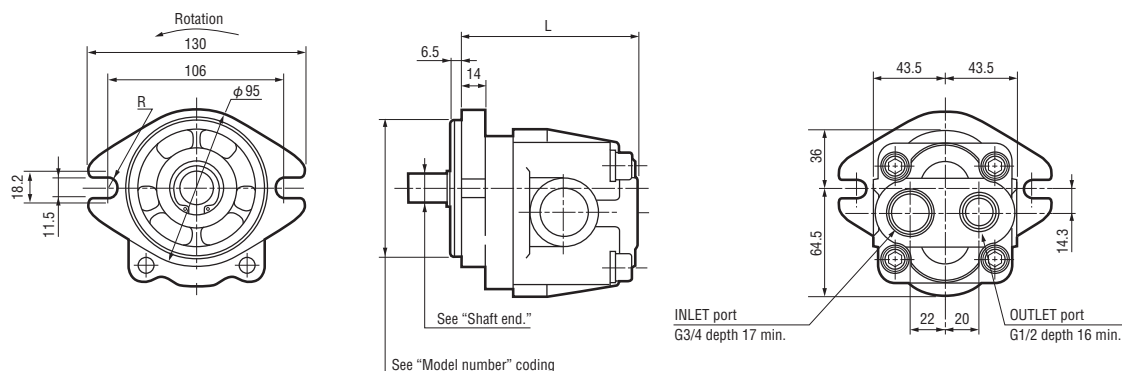
◆ Outline dimensions

dimensions in mm

YP15^S_A□A2H□-L (Side ports)



YP15^S_A□D2H□-L (Rear ports)



NOTE 1. Figure shown indicated counterclockwise rotation "L" viewing from shaft end.

Clockwise rotation "R" is mirror image of this.

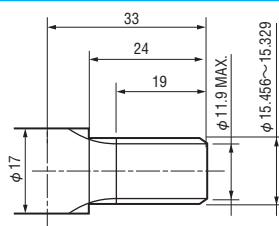
2. Unless otherwise specified, tolerance on dimension are ± 1.0 mm.

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

Size	L
5	87.2
7	
8	
9.5	
11	104.5
12	
14	
16	

● Shaft end

SAE Spline (Some dimensions are different form SAE standard.) 9 teeth

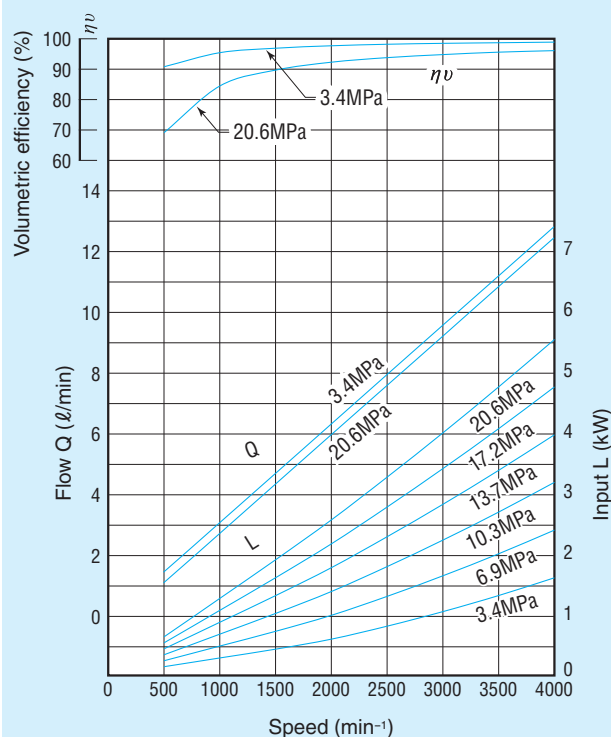


No. of tooth : 9
D.P. : 16/32
Pressure angle : 30°
Over pin dia. : 18.427~
18.358
Pin dia. : φ3.048

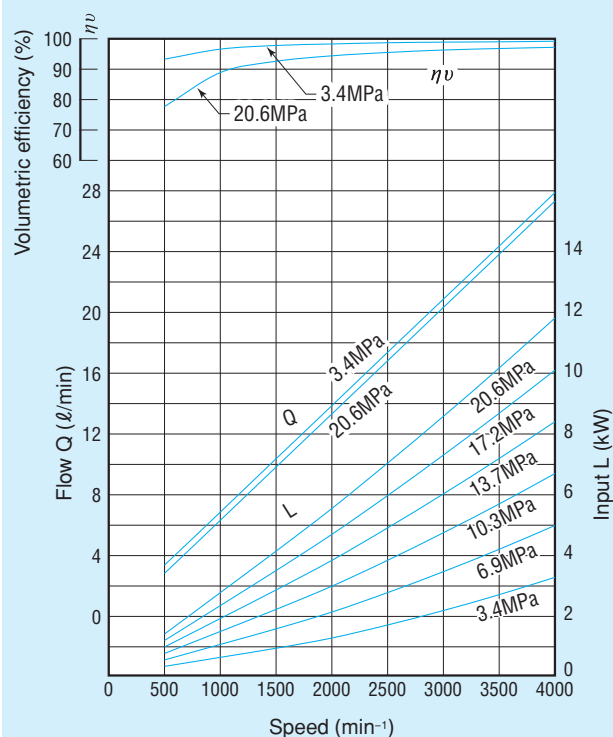
YP15 Series Performance curves

OIL: ISO VG32 Hydraulic Fluid at 40°C

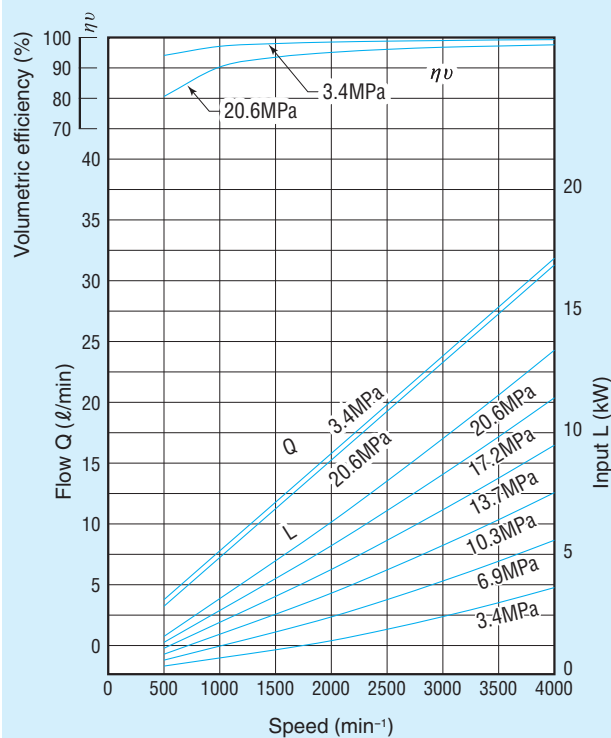
YP15-5



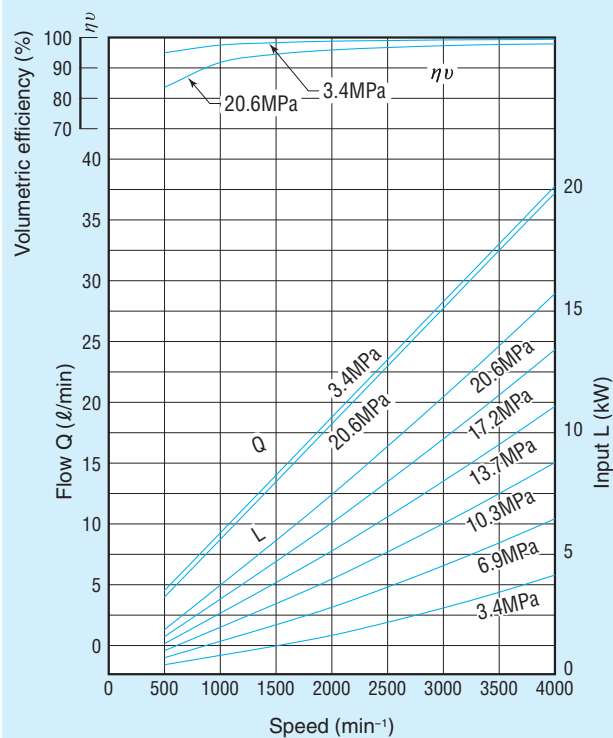
YP15-7



YP15-8



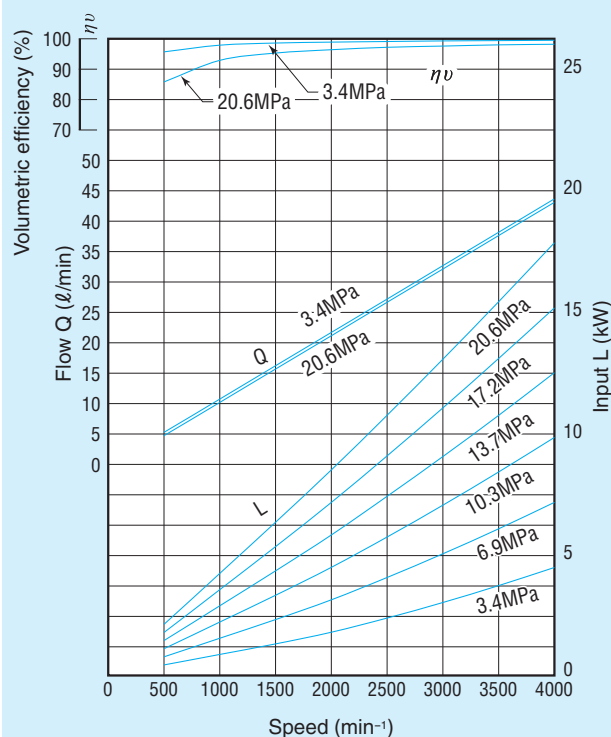
YP15-9.5



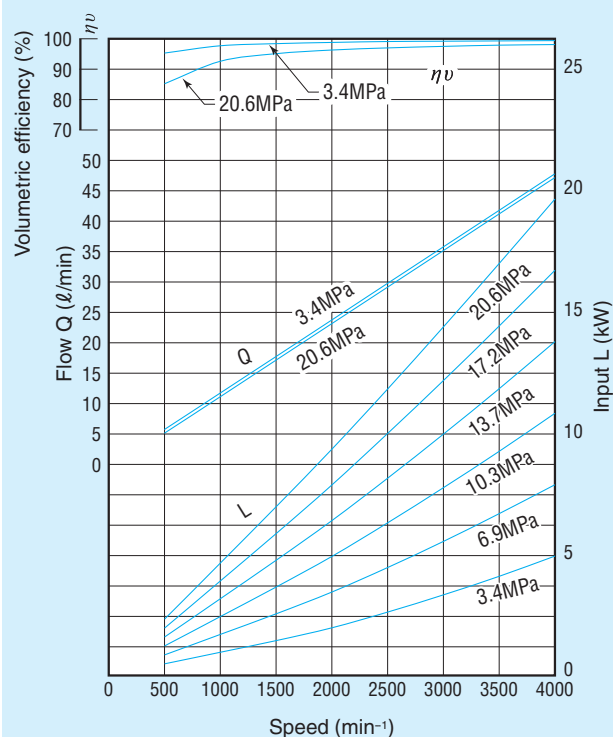
YP15 Series Performance curves

OIL: ISO VG32 Hydraulic Fluid at 40°C

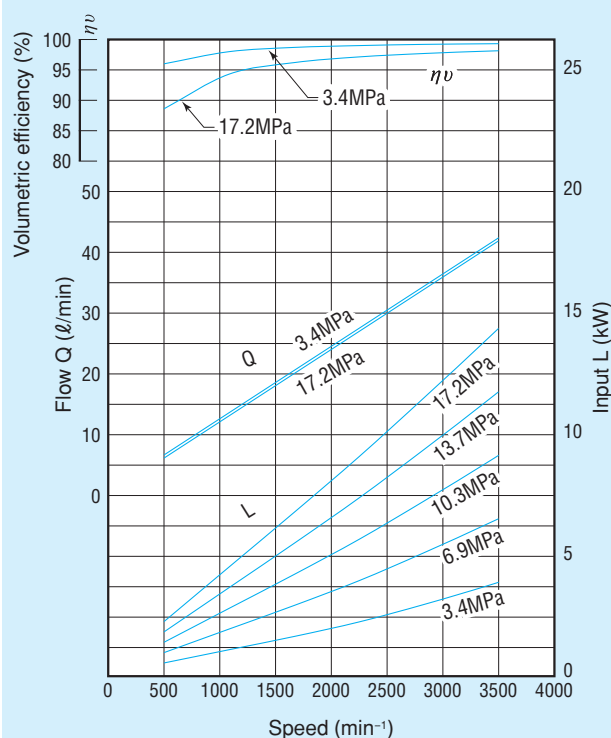
YP15-11



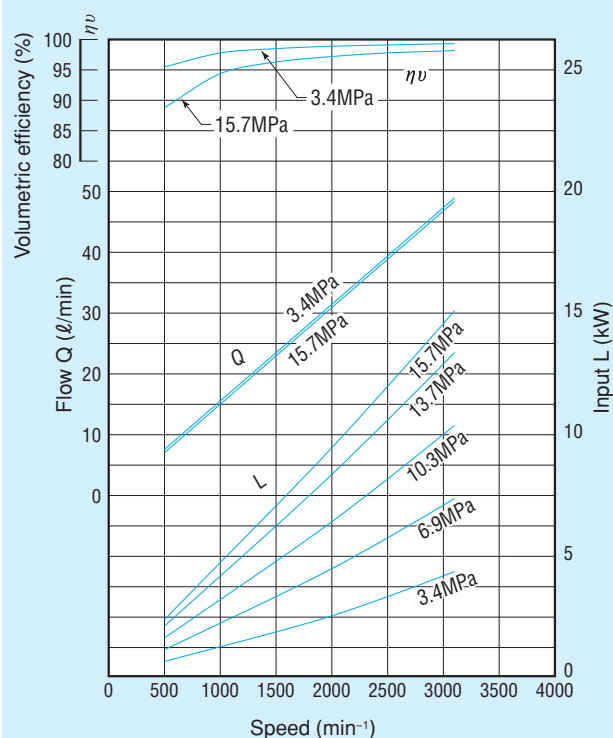
YP15-12



YP15-14



YP15-16



Shimadzu Corporation Fluidics Systems Division

The appearances and specifications are subject to change for reasons of improvement without notice.