



◆ Model number

YP10 - 5 A 2 H 2 - L XXX

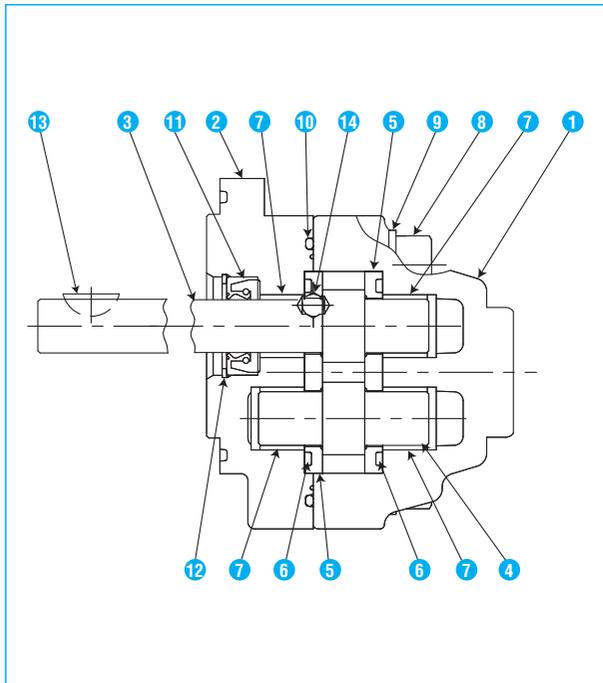
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|--|---|---|--|
| <p>1 Series number
YP10 series</p> <p>2 Size</p> | <p>3 Position of ports
A : side ports
D : rear ports</p> <p>4 Port configuration
2 : G screw thread</p> | <p>5 Mounting
H : horizontal 2 bolts
D : diagonal 2 bolts</p> <p>6 Shaft end
2 : woodruff key</p> | <p>7 Rotation viewing from shaft end
L = counter clockwise
R = clockwise</p> <p>8 Code number in 3 figures</p> |
|--|---|---|--|

◆ Specifications

Size	Displacement		Rated pressure			Speed min ⁻¹		Inlet pressure	Mass								
	cm ³	in ³	MPa	bar	psi	min.	max.		kg	lb							
							Side ports	Rear ports									
YP10-0.8	0.77	0.047	20.6	206	2987	800	4000	4000	bar -0.20~ 1.0	0.6	1.32						
-1.7	1.66	0.101				500				4000	4000	MPa -0.02~ 0.1	0.7	1.54			
-2.5	2.43	0.148											3400	2400	psi -2.9 ~14.5	0.7	1.54
-3	3.07	0.187														0.8	1.76
-3.5	3.46	0.211															
-5	4.99	0.304											0.8	1.76			
-7	7.04	0.429	17.2	172	2494	3100	1700	0.8	1.76								

◆ Typical assembly



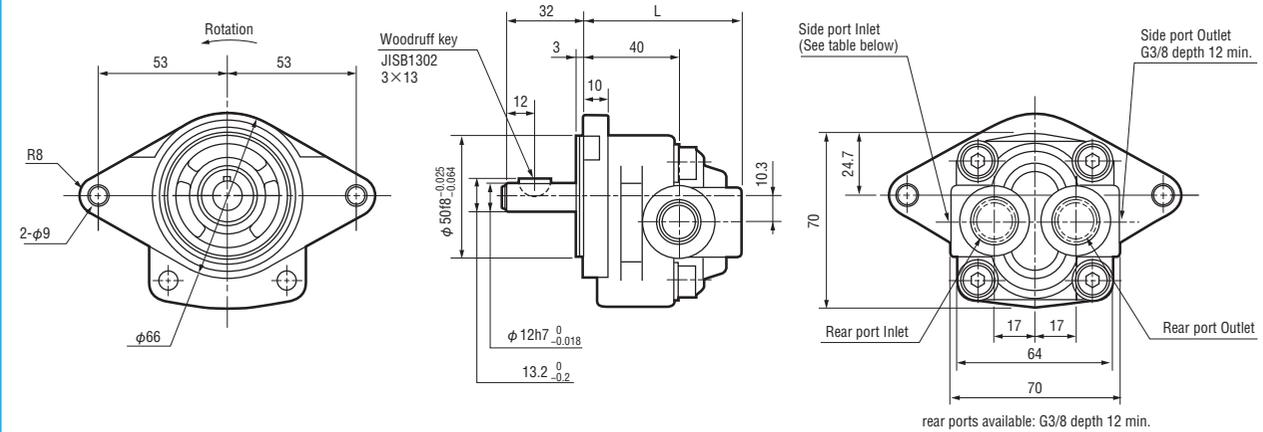
Item No.	Name	QTY	Material
1	Body	1	Aluminum alloy
2	Front cover	1	Aluminum alloy
3	Drive gear	1	Alloy steel
4	Driven gear	1	Alloy steel
5	Side plate	2	Special alloy steel
6	Gasket	2	Nitril rubber
7	Bush	4	Special alloy steel
8	Bolt	4	Alloy steel
9	Washer	4	Carbon steel
10	O-Ring	1	Nitril rubber
11	Oil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

NOTES : "QTY" shows the amount per one

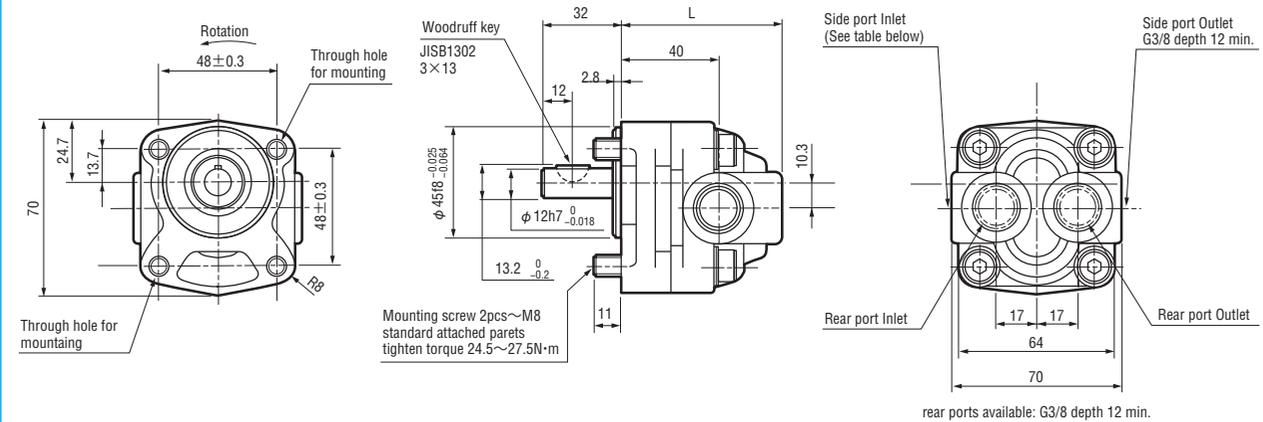
◆ Outline dimensions

dimensions in mm

YP10- \square _A \square _D2H2-L “H” Type Mounting



YP10- \square _A \square _D2D2-L “D” Type Mounting



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

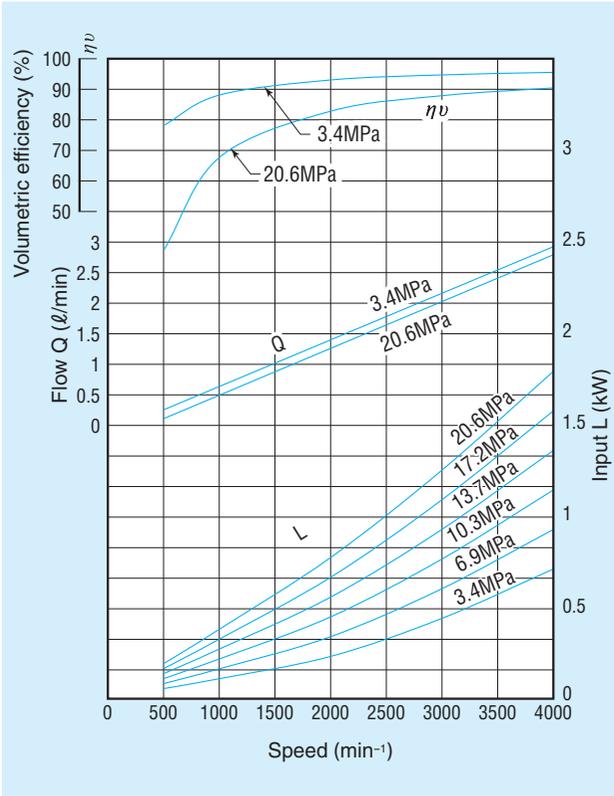
2. Unless otherwise specified, tolerance on dimension are ± 1.0 mm.

Size	L	Side port Inlet	
		Thread	Depth
YP10-0.8	60	G3/8	12
-1.7			
-2.5			
-3			
-3.5	66	G3/8	12
-5			
-7			
	80	G1/2	16

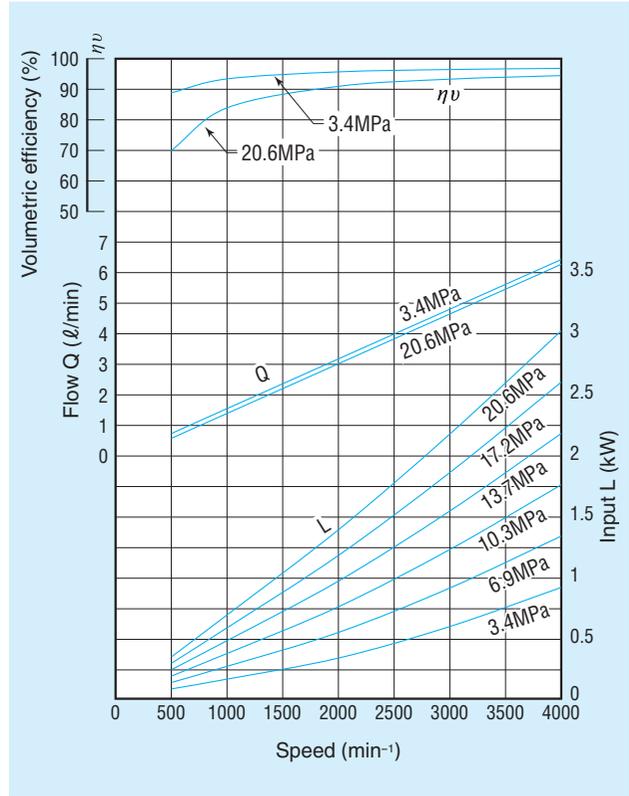
YP10 Series Performance curves

OIL: ISO VG32 Hydraulic Fluid at 40°C

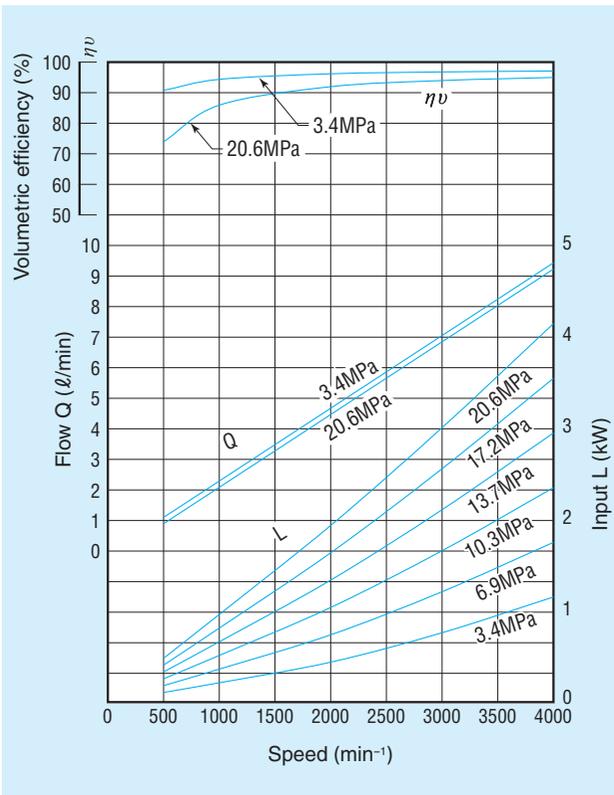
YP10-0.8



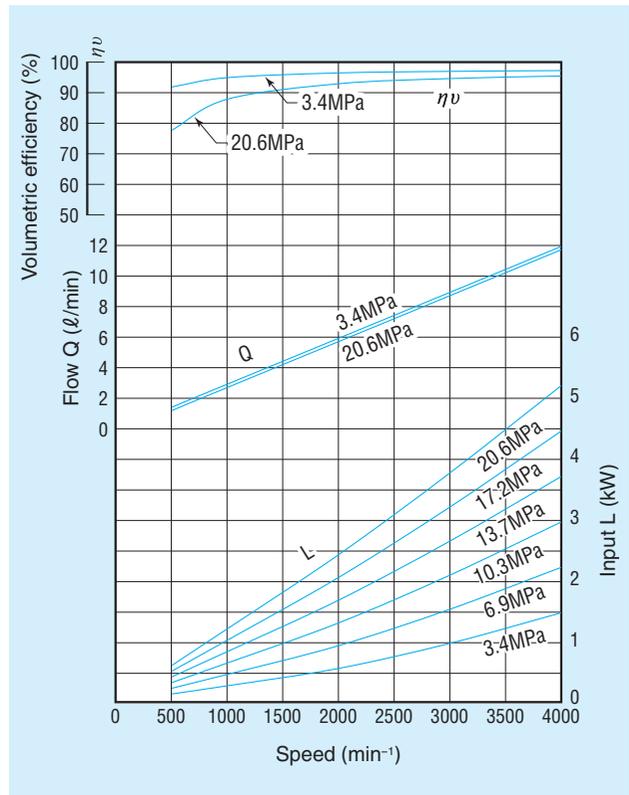
YP10-1.7



YP10-2.5



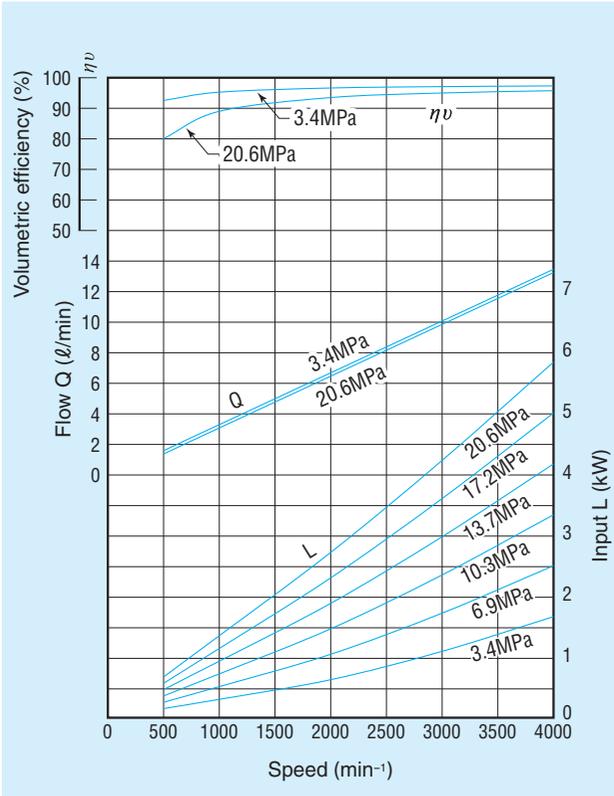
YP10-3



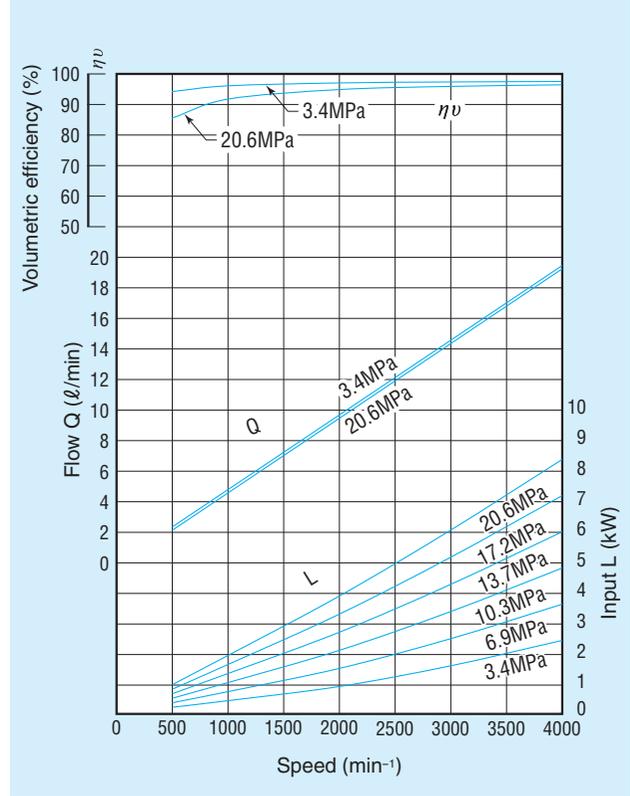
YP10 Series Performance curves

OIL: ISO VG32 Hydraulic Fluid at 40°C

YP10-3.5



YP10-5



YP10-7

