TOP-1A

Specifications

Item / Model	Theoretical Displacement cm^3/rev	Theoretical Discharge ℓ/min 1500min⁻¹	Theoretical Discharge ℓ/min 1800min⁻¹	Max. Discharge Pressure MPa	Max. Revolution min^{-1}	Approx. Weight kg
TOP-10A	0.8	1.2	1.4	0.5	3000	0.5 (0.8)
TOP-11A	1.5	2.2	2.7	0.5	2000	0.5 (0.8)
TOP-12A	2.5	3.7	4.5	0.5	1800	0.6 (0.9)
TOP-13A	4.5	6.7	8.1	0.5	1800	0.8 (1.1)

○The above maximum discharge and maximum revolution values are for when using ISO-VG46 oil with an oil temperature of 40 ℃.
○The approximate weight values shown in the brackets ( ) are for when a relief valve is attached.

Model

TOP - 10A / 11A / 12A / 13A

Rotation Direction ☐ | Relief Valve ☐ | - | Special Symbol ☐

Special Symbol: US、VF (Refer to page 63.)

Relief Valve:
No mark: Without relief valve
VB: With relief valve ○The relief valve set pressure is cracking 0.3MPa.

Rotation Direction:
No mark: Counter-clockwise rotation as seen from the end of the shaft (standard rotation direction)
R: Clockwise rotation as seen from the end of the shaft

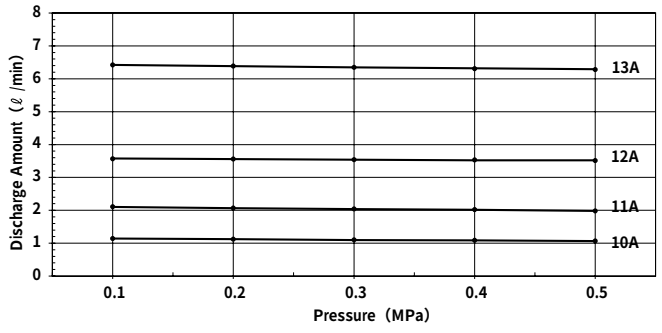
Model Examples:
TOP-10AVB (with relief valve)
TOP-11AR (clockwise rotation as seen from the end of the shaft)

Performance Table

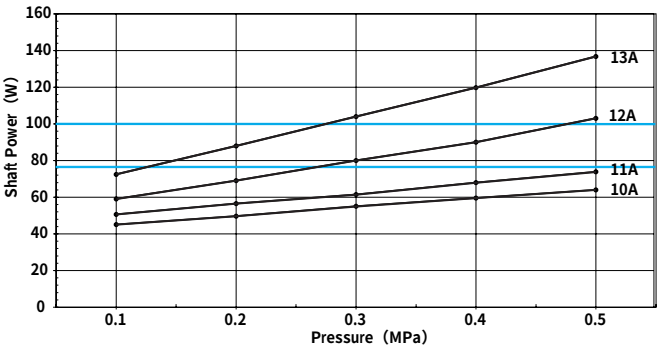
Test Conditions Oil: ISO-VG46 with a temperature of 40 ℃

At 1,450 Rotations

●Flow Rate Characteristics

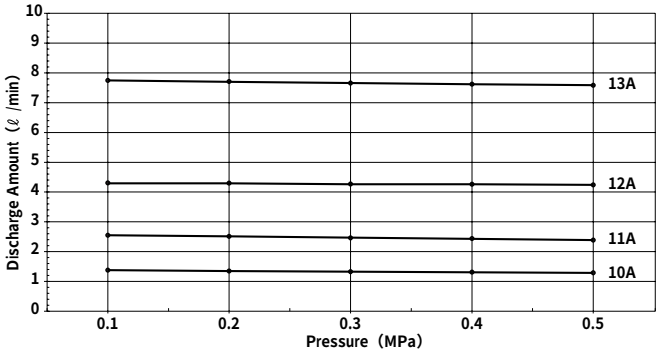


●Required Power

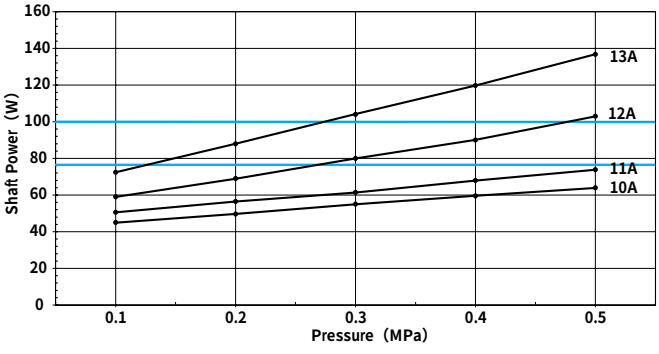


At 1,750 Rotations

●Flow Rate Characteristics



●Required Power

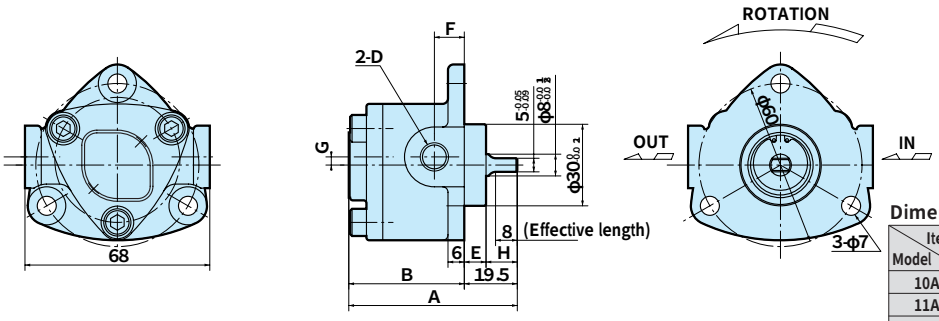


○Select the best motor using the lines in the "Required Power" table as the applicable standards.

Dimensional Diagrams

○Be sure to check the Nippon Oil Pump homepage for the most up-to-date diagrams and dimensions.

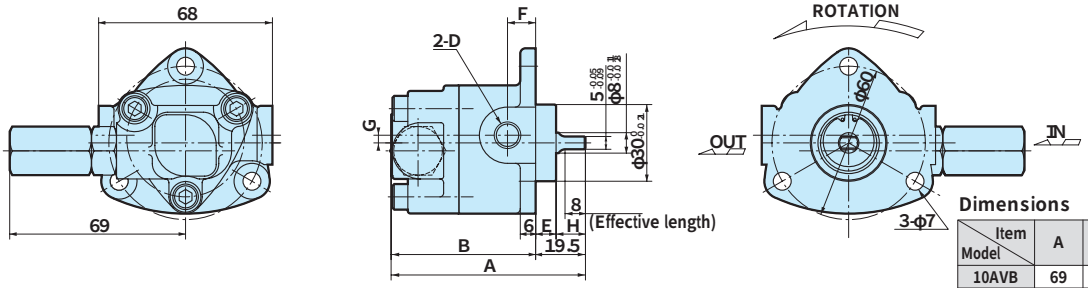
Model : TOP - 1A



Dimensions

Item / Model	A	B	D	E	F	G	H
10A	57	37.5	Rc1/8	8	11	3	11.5
11A	57	37.5	Rc1/8	8	11	3	11.5
12A	63	43.5	Rc1/4	8	11	3	11.5
13A	78	58.5	Rc3/8	5	14	5.5	14.5

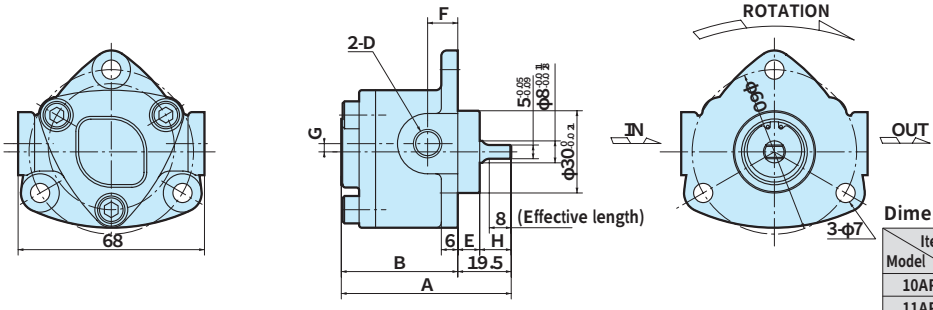
Model : TOP - 1AVB



Dimensions

Item / Model	A	B	D	E	F	G	H
10AVB	69	49.5	Rc1/8	8	11	3	11.5
11AVB	69	49.5	Rc1/8	8	11	3	11.5
12AVB	75	55.5	Rc1/4	8	11	3	11.5
13AVB	90	70.5	Rc3/8	5	14	5.5	14.5

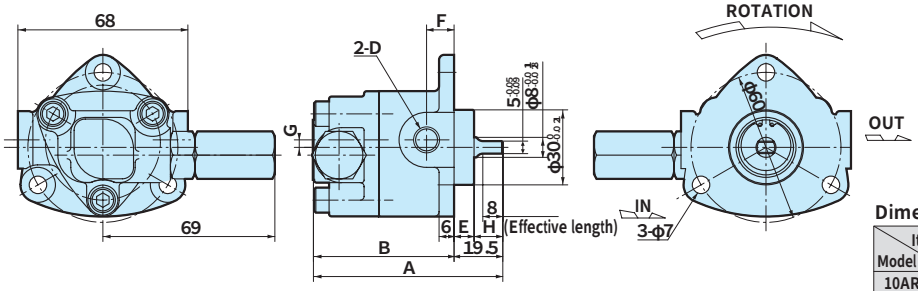
Model : TOP - 1AR



Dimensions

Item / Model	A	B	D	E	F	G	H
10AR	57	37.5	Rc1/8	8	11	3	11.5
11AR	57	37.5	Rc1/8	8	11	3	11.5
12AR	63	43.5	Rc1/4	8	11	3	11.5
13AR	78	58.5	Rc3/8	5	14	5.5	14.5

Model : TOP - 1ARVB



Dimensions

Item / Model	A	B	D	E	F	G	H
10ARVB	69	49.5	Rc1/8	8	11	3	11.5
11ARVB	69	49.5	Rc1/8	8	11	3	11.5
12ARVB	75	55.5	Rc1/4	8	11	3	11.5
13ARVB	90	70.5	Rc3/8	5	14	5.5	14.5