

TOP-1ME

Specifications

Model	Item	No. of Motor Revolutions 50Hz 1500min ⁻¹				No. of Motor Revolutions 60Hz 1800min ⁻¹			
		Theoretical Discharge ℓ /min	Max. Pressure for Motor Output (MPa)			Theoretical Discharge ℓ /min	Max. Pressure for Motor Output (MPa)		
			75W	100W	200W		75W	100W	200W
TOP-10MA		1.2	0.5	0.5	0.5	1.4	0.4	0.5	0.5
TOP-11MA		2.2	0.5	0.5	0.5	2.7	0.3	0.5	0.5
TOP-12MA		3.7	0.2	0.5	0.5	4.5	0.1	0.3	0.5
TOP-13MA		6.7	—	0.2	0.5	8.1	—	0.1	0.5

○The above maximum pressure for motor output values are for when using ISO-VG46 oil with an oil temperature of 40 °C.

Motor Specifications

○Three-Phase Squirrel-Cage Induction Motor ○Totally enclosed ○Class E insulation

Output (W)	No. of Poles (P)	Rating	Voltage (V)	Frequency (Hz)	No. of Revolutions (min ⁻¹)	Current (A)	Approx. Weight (kg)
75	4	Continuous	200	50	1390	0.60	Type-1 7.5 Type-2 8.0
			200	60	1660	0.55	
			220	60	1690	0.57	
100	4	Continuous	200	50	1430	0.65	8.0
			200	60	1720	0.60	
			220	60	1730	0.60	
200	4	Continuous	200	50	1410	1.15	9.0
			200	60	1690	1.10	
			220	60	1710	1.05	

Model



TOP - 1ME 75 -

Motor Output

Attachment

Rotation Direction

Relief Valve

1: Horizontal
2: Flange

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

No mark: Clockwise rotation as seen from the pump side (standard rotation direction)
R: Counter-clockwise rotation as seen from the pump side



TOP - 1ME 100 -

Motor Output

Rotation Direction

Relief Valve

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

No mark: Clockwise rotation as seen from the pump side (standard rotation direction)
R: Counter-clockwise rotation as seen from the pump side

Model Examples

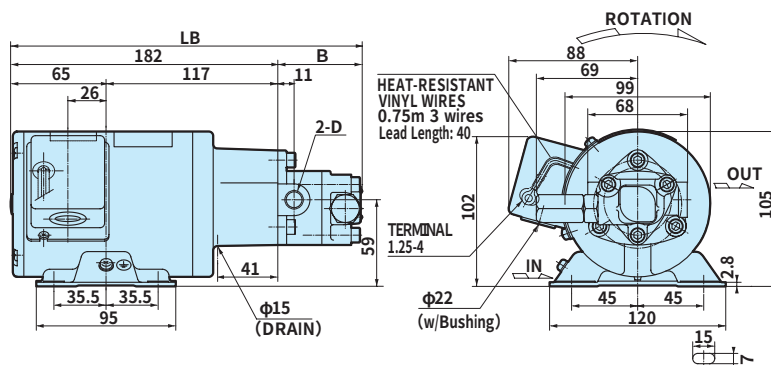
TOP-1ME 75 - 1 - 10MA VB (75W, three-phase, horizontal, with relief valve)

TOP-1ME 100 - 11MAR (100W, three-phase, counter-clockwise rotation as seen from the pump side)

Dimensional Diagrams

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

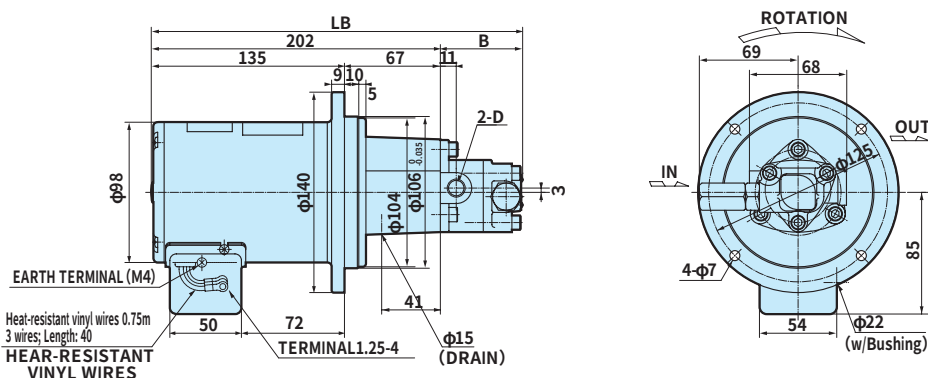
Model : TOP - 1ME75 -1-1 MAVB



Dimensions

Model	Item	LB	B	D
1ME75-1-10MAVB		231.5	49.5	Rc ¹ / ₈
1ME75-1-11MAVB		231.5	49.5	Rc ¹ / ₈
1ME75-1-12MAVB		237.5	55.5	Rc ¹ / ₄

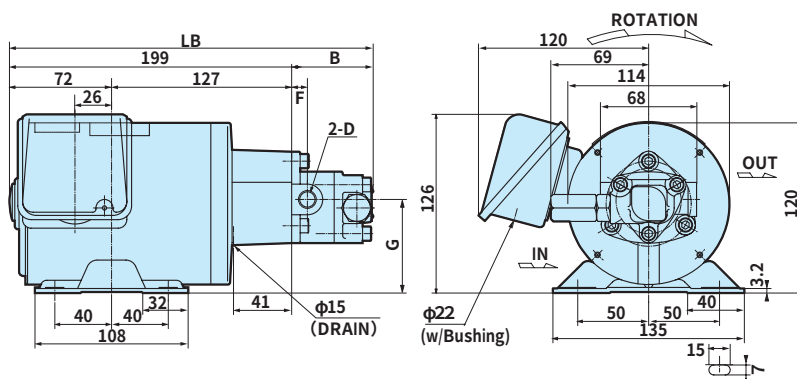
Model : TOP - 1ME75 -2-1 MAVB



Dimensions

Model	Item	LB	B	D
1ME75-2-10MAVB		251.5	49.5	Rc ¹ / ₈
1ME75-2-11MAVB		251.5	49.5	Rc ¹ / ₈
1ME75-2-12MAVB		257.5	55.5	Rc ¹ / ₄

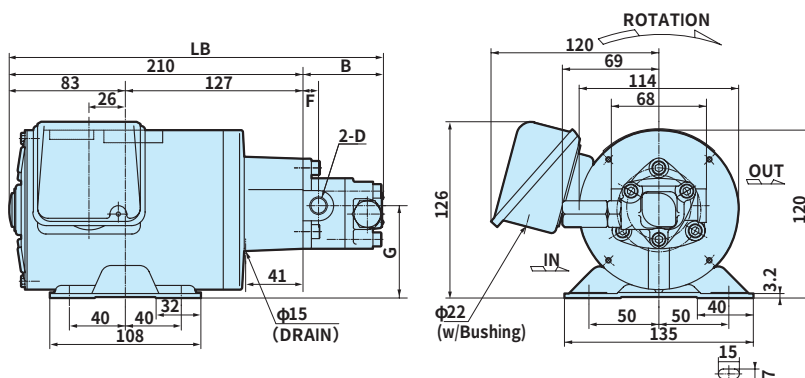
Model : TOP - 1ME100 -1 MAVB



Dimensions

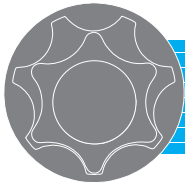
Model	Item	LB	B	D	F	G
1ME100-10MAVB		248.5	49.5	Rc ¹ / ₈	11	66
1ME100-11MAVB		248.5	49.5	Rc ¹ / ₈	11	66
1ME100-12MAVB		254.5	55.5	Rc ¹ / ₄	11	66
1ME100-13MAVB		269.5	70.5	Rc ³ / ₈	14	68.5

Model : TOP - 1ME200 -1 MAVB



Dimensions

Model	Item	LB	B	D	F	G
1ME200-10MAVB		259.5	49.5	Rc ¹ / ₈	11	66
1ME200-11MAVB		259.5	49.5	Rc ¹ / ₈	11	66
1ME200-12MAVB		265.5	55.5	Rc ¹ / ₄	11	66
1ME200-13MAVB		280.5	70.5	Rc ³ / ₈	14	68.5



TOP-1ME S (single-phase motor)

Specifications

Model \ Item	No. of Motor Revolutions 50Hz 1500min ⁻¹			No. of Motor Revolutions 60Hz 1800min ⁻¹		
	Theoretical Discharge ℓ / min	Max. Pressure for Motor Output (MPa)		Theoretical Discharge ℓ / min	Max. Pressure for Motor Output (MPa)	
		75W	200W		75W	200W
TOP-10MA	1.2	0.5	0.5	1.4	0.4	0.5
TOP-11MA	2.2	0.5	0.5	2.7	0.3	0.5
TOP-12MA	3.7	0.2	0.5	4.5	0.1	0.5
TOP-13MA	6.7	—	0.5	8.1	—	0.5

○The above maximum pressure for motor output values are for when using ISO-VG46 oil with an oil temperature of 40 °C.

Motor Specifications

Output (W)	No. of Poles (P)	Rating	Voltage (V)	Frequency (Hz)	No. of Revolutions (min ⁻¹)	Current (A)	Approx. Weight (kg)
75	4	Continuous	100	50 60	1430 1730	2.0 1.6	5.9
200	4	Continuous	100	50 60	1430 1720	5.8 5.0	10

○IME75S is a condenser-operating type.

○IME200S is a condenser-starting type.

Model

	Motor	Single-		Pump
	Output	phase		
TOP -	1ME	75 S	-	10MA
		200 S		11MA
				12MA
				13MA

Relief Valve



No mark: Without relief valve
VB: With relief valve

○The relief valve set pressure is cracking 0.3MPa.



Model Examples

TOP-1ME 75 S-11MA (75W, single-phase)

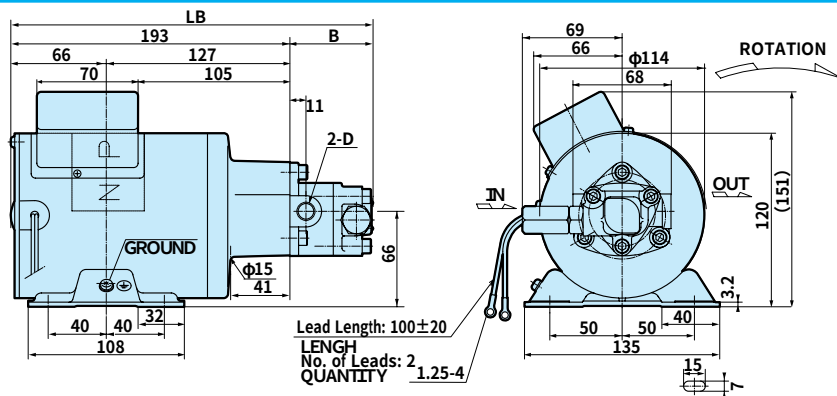
TOP-1ME 200 S-12MA VB (200W, single-phase, with relief valve)

■Can only be used for clockwise rotation as seen from the pump side.

Dimensional Diagrams

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

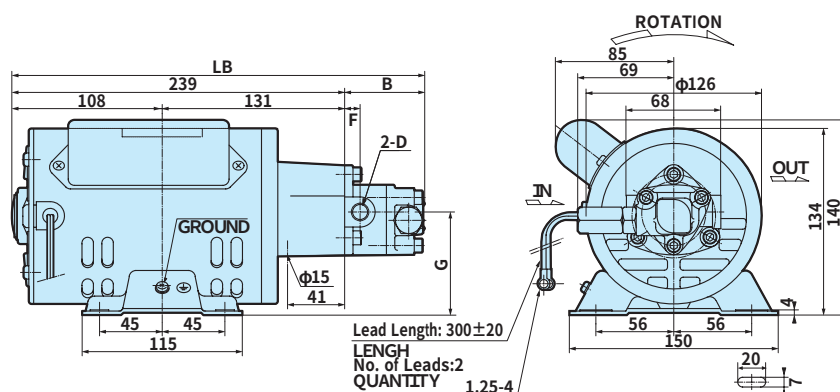
Model : TOP - 1ME75 S - 1MAVB



Dimensions

Model	Item	LB	B	D
1ME75S-10MAVB		242.5	49.5	Rc ¹ / ₈
1ME75S-11MAVB		242.5	49.5	Rc ¹ / ₈
1ME75S-12MAVB		248.5	55.5	Rc ¹ / ₄

Model : TOP - 1ME200 S - 1MAVB



Dimensions

Model	Item	LB	B	D	F	G
1M200S-10MAVB		288.5	49.5	Rc ¹ / ₈	11	74
1M200S-11MAVB		388.5	49.5	Rc ¹ / ₈	11	74
1M200S-12MAVB		294.5	55.5	Rc ¹ / ₄	11	74
1M200S-13MAVB		309.5	70.5	Rc ³ / ₈	14	76.5