

TOP-3MF

■ 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)		
			750W	1500W	2200W		750W	1500W	2200W
TOP-N320	FA FA VB FB	39	0.4	1.3	2.1	46.8	0.2	1.0	1.7
TOP-N330	FA FA VB FB	58.5	0.1	0.8	1.3	70.2	—	0.6	1.0
TOP-N340	FA FA VB FB	78	—	0.5	0.9	93.6	—	0.3	0.6

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

■ 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)
750	4	Continuous	200	50	1440	3.6	14
			200	60	1720	3.3	
			220	60	1740	3.2	
1500	4	Continuous	200	50	1440	6.8	24
			200	60	1720	6.2	
			220	60	1730	6.0	
2200	4	Continuous	200	50	1420	9.0	30
			200	60	1710	8.5	
			220	60	1730	7.9	

■ Model

TOP - 3MF

Motor Output
750
1500
2200

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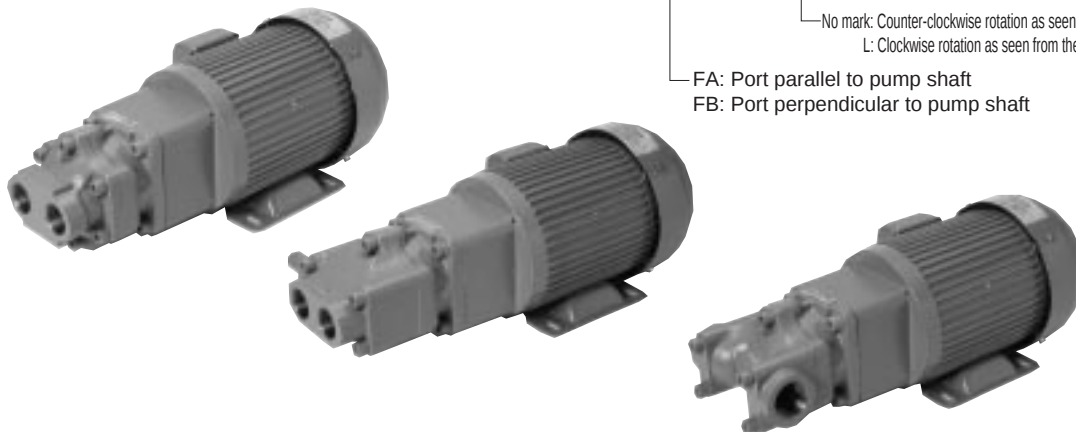
N320
N330
N340

Pump Cover ☐ Rotation Direction ☐ Relief Valve ☐ Special Symbol ☐ Relief Valve Set Pressure VF (Refer to page 63.)

No mark: Without relief valve
VB: With relief valve
○ In this case only the FA pump cover can be used.
○ Refer to page 57 for the relief valve set pressure, and indicate the desired type when placing your order. Indicate the set pressure (to the first decimal point) at the end of the model number (Ex.: 0.1MPa).

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

FA: Port parallel to pump shaft
FB: Port perpendicular to pump shaft



Model Examples:

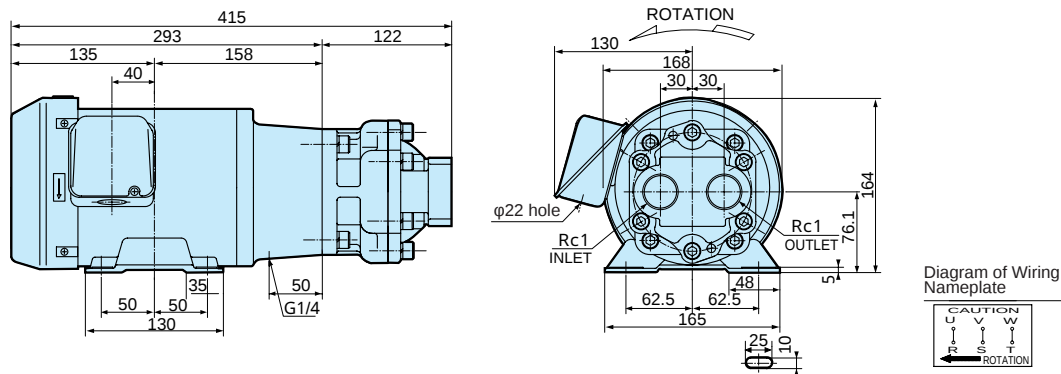
TOP-3MF1500-N320FAVB (1,500W, port parallel to pump shaft, with relief valve)

TOP-3MF2200-N330FBL (2,200W, port perpendicular to pump shaft, clockwise rotation as seen from end of shaft)

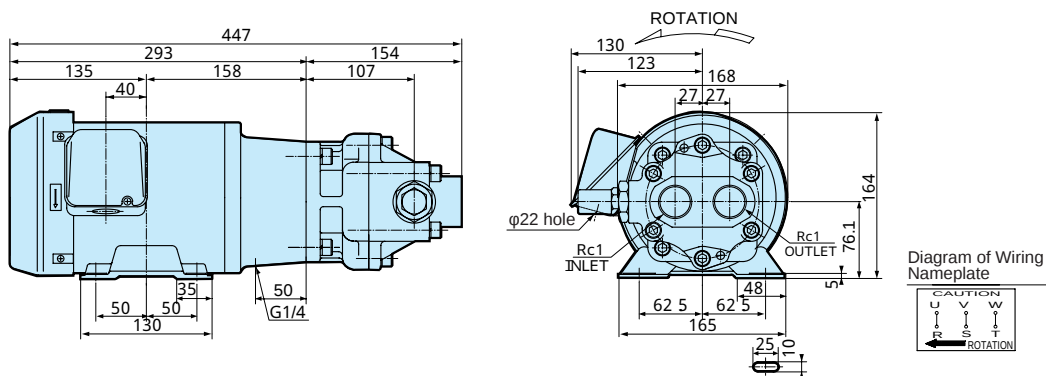
■ Dimensional Diagrams

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

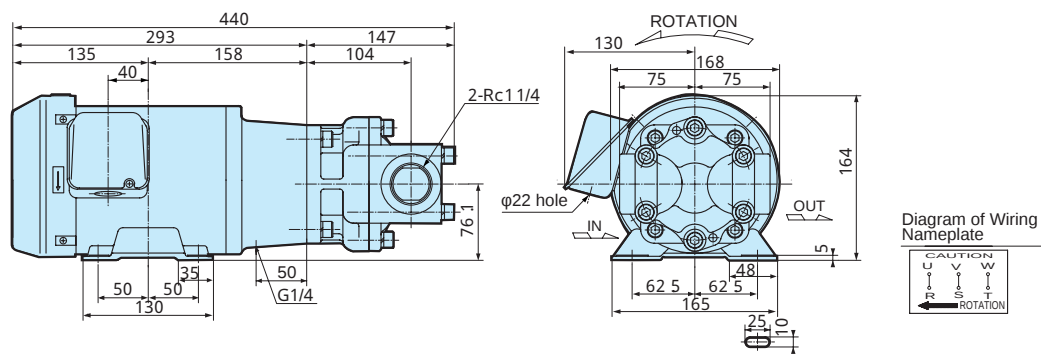
Model : TOP - 3MF750-N3FA



Model : TOP - 3MF750-N3FAVB



Model : TOP - 3MF750-N3FB





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Diagram of Wiring Nameplate



CAUTION

U V W

R S T

← ROTATION

Diagram of Wiring Nameplate



The diagram shows a rectangular nameplate with the word "CAUTION" at the top. Below it, there are three columns of terminals. The first column has terminals U and R. The second column has terminals V and S. The third column has terminals W and T. A large arrow labeled "ROTATION" points from the right towards the terminals, indicating the direction of rotation for the motor.

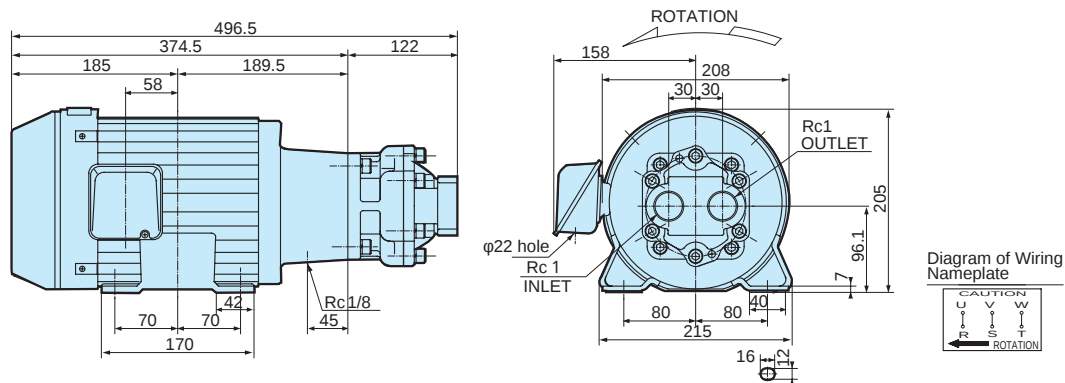
Diagram of Wiring Nameplate

The diagram shows a rectangular nameplate with the word "CAUTION" at the top. Below it are six terminals arranged in two rows: U, V, W in the top row and R, S, T in the bottom row. Each terminal is represented by a small circle with a vertical line extending from it. To the left of the bottom row of terminals (R, S, T) is a thick black arrow pointing to the left, with the word "ROTATION" written below it.

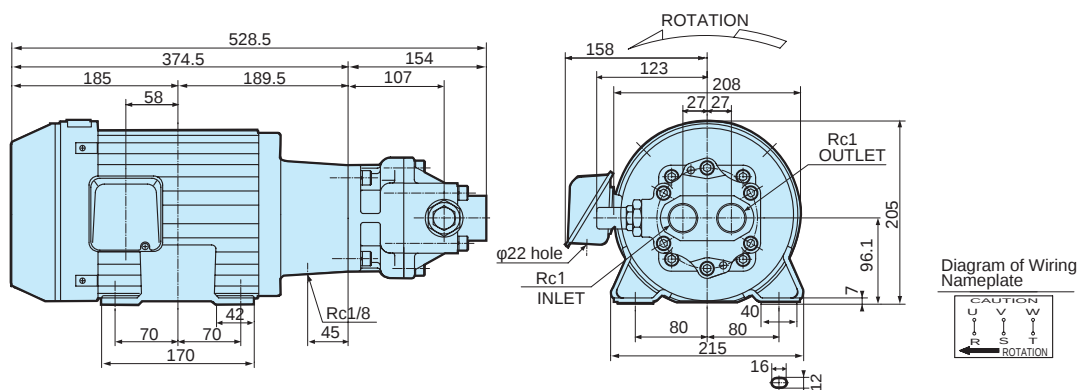
■ Dimensional Diagrams

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Model : TOP - 3MF2200-N3FA



Model : TOP - 3MF2200-N3FAVB



Model : TOP - 3MF2200-N3FB

