

# TOP-3V

Used for transferring oils with high viscosity (46 ~ 2,000mm<sup>2</sup>/sec) such as high-viscosity lubricating oils and gear oils.

## Specifications

Model	Item	Theoretical Displacement cm <sup>3</sup> /rev	Theoretical Discharge ℓ / min		Max. Discharge Pressure MPa	Max. Revolution min <sup>-1</sup>	Approx. Weight kg
			1500min <sup>-1</sup>	1800min <sup>-1</sup>			
TOP-330V		39.0	58.5	70.2	1.0	1800	19.3 ( 20.7 )
TOP-340V		52.0	78.0	93.6	1.0	1800	19.5 ( 20.9 )
TOP-350V		65.0	97.5	117.0	1.0	1800	19.3 ( 20.7 )

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

## Model



TOP - 

330V
340V
350V

Attachment



No mark: With angle plate  
F: With angle flange

Relief Valve



Relief Valve Set Pressure

No mark: Without relief valve  
VB: With relief valve  
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).

Model Examples:

TOP-N330VVB (with angle plate and relief valve)

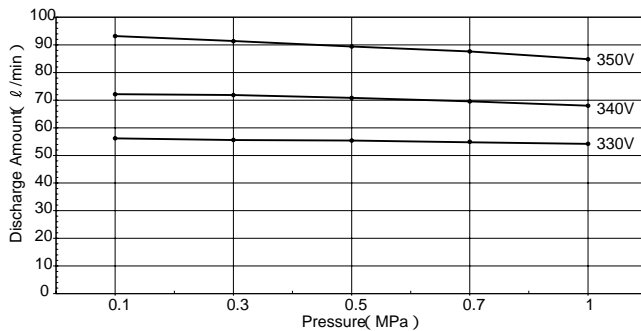
TOP-N330VFB (with angle flange and relief valve)

## Performance Table

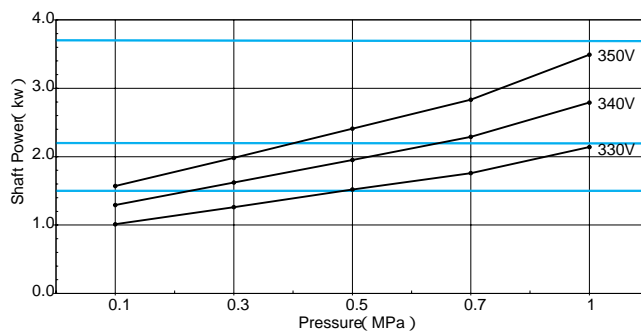
Test Conditions Oil: ISO-VG46 with a temperature of 40 °C

### At 1,450 Rotations

#### Flow Rate Characteristics

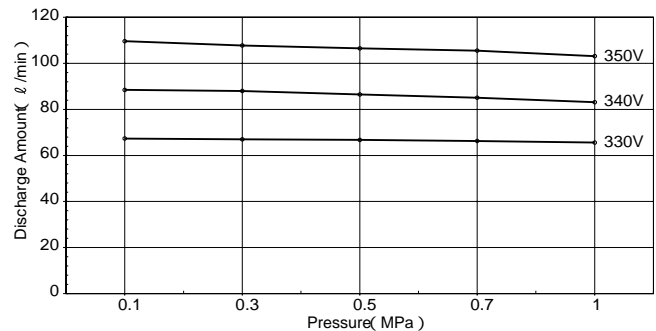


#### Required Power

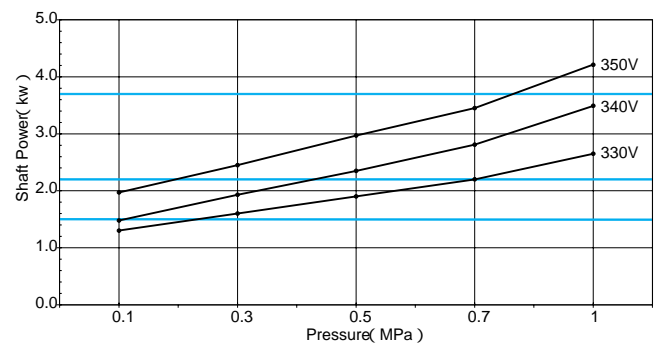


### At 1,750 Rotations

#### Flow Rate Characteristics



#### Required Power

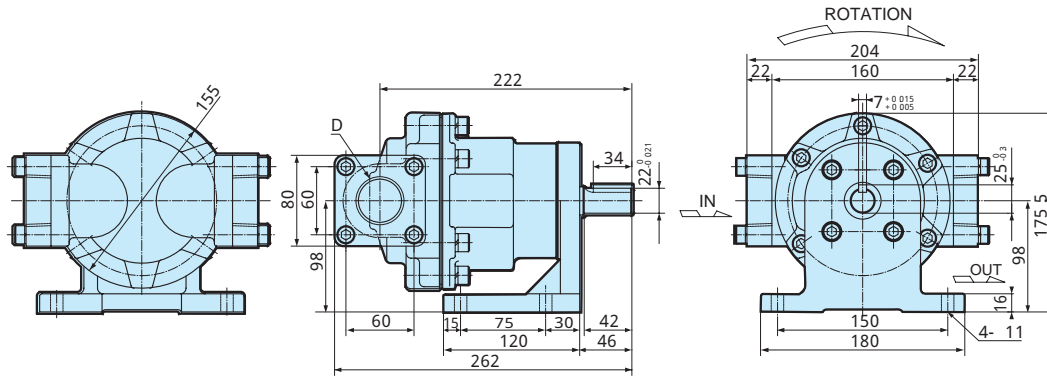


Select the best motor using the lines in the "Required Power" table as the applicable standards.

# Dimensional Diagrams

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

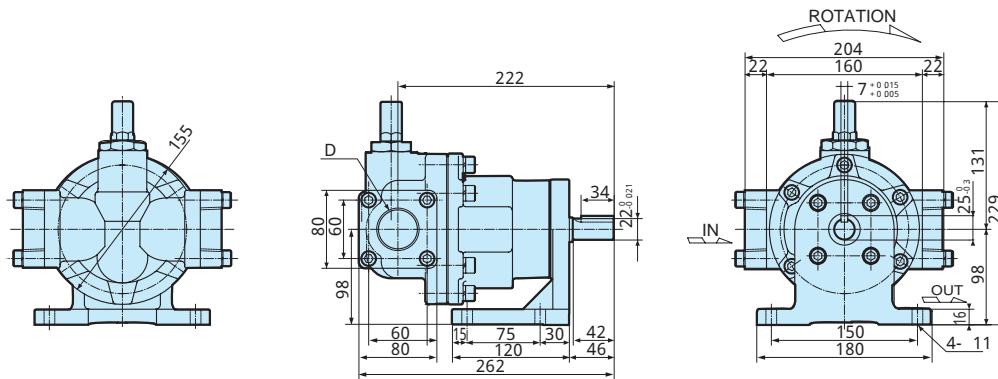
## Model : TOP - 3V



Dimensions

Model	D (port diameter)	
	In	Out
330V	Rc1 <sup>1</sup> / <sub>4</sub>	
340V	Rc1 <sup>1</sup> / <sub>2</sub>	Rc1 <sup>1</sup> / <sub>4</sub>
350V		

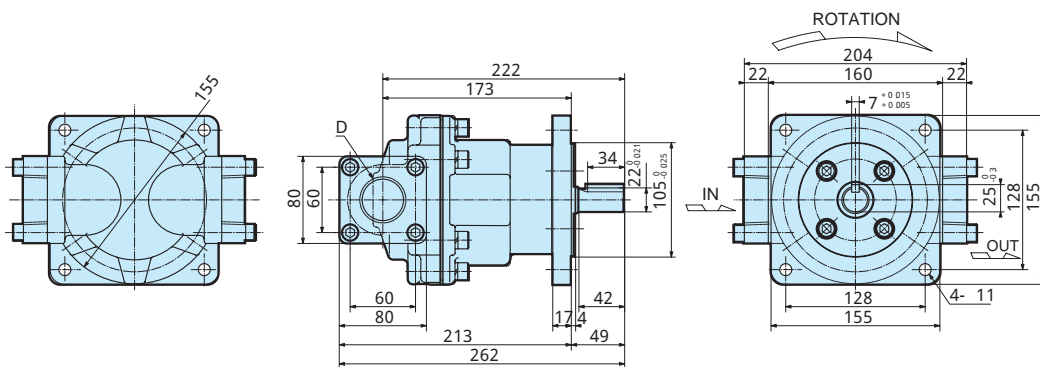
## Model : TOP - 3VVB



Dimensions

Model	D (port diameter)	
	In	Out
330VVB	Rc1 <sup>1</sup> / <sub>4</sub>	
340VVB	Rc1 <sup>1</sup> / <sub>2</sub>	Rc1 <sup>1</sup> / <sub>4</sub>
350VVB		

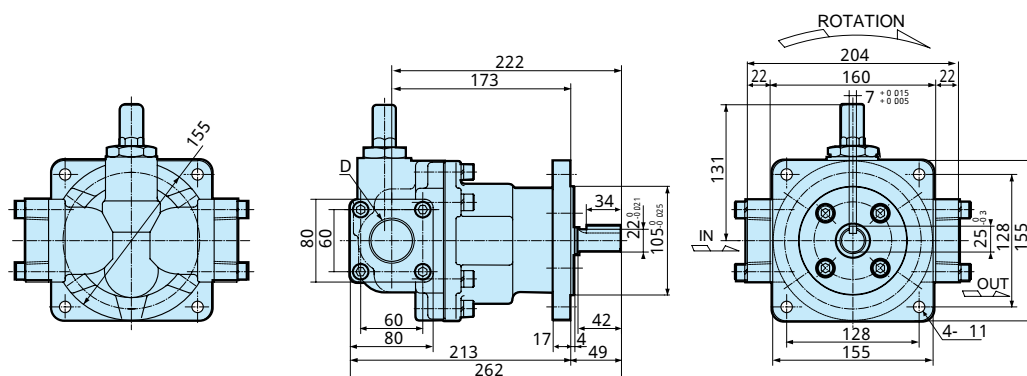
## Model : TOP - 3VF



Dimensions

Model	D (port diameter)	
	In	Out
330VF	Rc1 <sup>1</sup> / <sub>4</sub>	
340VF	Rc1 <sup>1</sup> / <sub>2</sub>	Rc1 <sup>1</sup> / <sub>4</sub>
350VF		

## Model : TOP - 3VFB



Dimensions

Model	D (port diameter)	
	In	Out
330VFB	Rc1 <sup>1</sup> / <sub>4</sub>	
340VFB	Rc1 <sup>1</sup> / <sub>2</sub>	Rc1 <sup>1</sup> / <sub>4</sub>
350VFB		