

Feature

The compact 2MY is the combination of the 2A pump and a dedicated motor. The standard spec. of the motor is 3 phase and 200V.

There is the ultra high temperature version (VH, max. temp. 150°C) in addition to the VF version.



Model

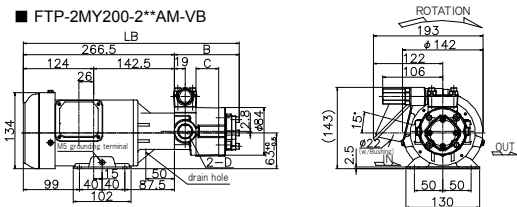
FTP-2MY	Motor output	Model No.	Applications	Rotation direction	Seal material	Relief valve	Relief valve set pressure
	200 400 750 1500	204 206 208 210 212 216 220	A M No mark: Standard WO: Bunker oil Coolant Water PL: Liquid seal	No mark: Counter clockwise R: Clockwise	No mark: Standard (-5~80°C) VF: Viton(R) for high temp. (120°C) VH: Ultrahigh temp. (150°C)	No mark: No valve VB: With valve (Internal-return) VD: With valve (External-return)	ex. 0.1: Set pressure 0.1MPa (Spring No.1L) 0.5: Set pressure 0.5MPa (Spring No.2L) 1.0: Set pressure 1.0MPa (Spring No.3L) 2.0: Set pressure 2.0MPa (Spring No.4L)

Model examples:
 FTP-2MY200-204AM-VB1.0 (200W,3 phase,with relief valve (set pressure 1.0MPa))
 FTP-2MY400-210AMR (400W,3 phase,counter-clockwise as seen from the pump side)
 FTP-2MY750-216AM-VD (750W,3 phase,with relief valve (external-return))

※ On the following pages, there are descriptions of motors with different voltages, insulation classes of B or higher and outdoor use.

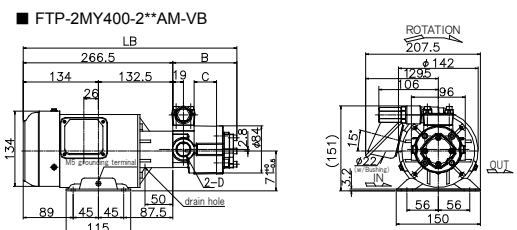
Dimensional diagrams (mm)

■ FTP-2MY200-2**AM-VB



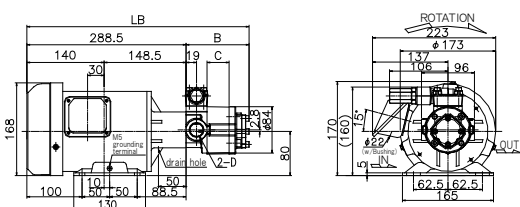
Model	LB	B	C	D
204A	350.7	84.2	10	Rc1/2
206A	355.7	89.2	15	
208A	360.7	94.2	20	
210A	365.7	99.2	25	
212A	370.7	104.2	30	Rc3/4
216A	380.7	114.2	40	

■ FTP-2MY400-2**AM-VB



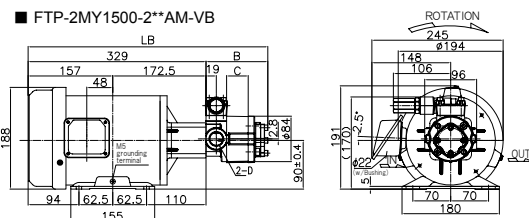
Model	LB	B	C	D
204A	350.7	84.2	10	Rc1/2
206A	355.7	89.2	15	
208A	360.7	94.2	20	
210A	365.7	99.2	25	
212A	370.7	104.2	30	Rc3/4
216A	380.7	114.2	40	
220A	390.7	124.2	50	

■ FTP-2MY750-2**AM-VB



Model	LB	B	C	D
204A	372.7	84.2	10	Rc1/2
206A	377.7	89.2	15	
208A	382.7	94.2	20	
210A	387.7	99.2	25	
212A	392.7	104.2	30	Rc3/4
216A	402.7	114.2	40	
220A	412.7	124.2	50	

■ FTP-2MY1500-2**AM-VB



Model	LB	B	C	D
204A	394.2	84.2	10	Rc1/2
206A	399.2	89.2	15	
208A	404.2	94.2	20	
210A	409.2	99.2	25	
212A	414.2	104.2	30	Rc3/4
216A	424.2	114.2	40	
220A	434.2	124.2	50	

※ 380V/50Hz, 400V/50・60Hz and 440V/60Hz are semi-standard.

Spec

Model	Theoretical flow rate (L/min)	No. of motor revolutions 50Hz 1500min ⁻¹				No. of motor revolutions 60Hz 1800min ⁻¹				
		Max. discharge pressure to motor output (MPa)				Max. discharge pressure to motor output (MPa)				
		200W	400W	750W	1500W	200W	400W	750W	1500W	
204A (VB,VD)	6.0	1.2	3.0	3.0	3.0	7.2	0.9	2.3	3.0	3.0
206A (VB,VD)	9.0	0.7	1.8	2.5	2.5	10.8	0.5	1.5	2.5	2.5
208A (VB,VD)	12.0	0.5	1.3	2.5	2.5	14.4	0.3	1.0	2.3	2.5
210A (VB,VD)	15.0	0.4	1.1	2.5	2.5	18.0	0.3	0.9	2.0	2.5
212A (VB,VD)	18.0	0.3	0.9	2.0	2.0	21.6	0.2	0.7	1.6	2.0
216A (VB,VD)	24.0	0.2	0.7	1.5	1.5	28.8	0.1	0.5	1.2	1.5
220A (VB,VD)	30.0	—	0.5	1.2	1.2	36.0	—	0.3	0.9	1.2

The above max. discharge pressures are in combination with ISO-VG46 at 40°C. The max. pressures may be lower depending on viscosity and temperature. Note that for liquids with a higher viscosity than IEO-VG46 at 40°C, the motor power may be insufficient. Lower viscosity liquids limit the pumps maximum discharge pressure. For handling higher viscosity (>46 mm²/s), The motor capacity has to be increased by 1 or 2 levels. For use of lower viscosity (<10 mm²/s), please refer to the spec. of 2MY-2AWO M.

Motor spec

Power (W)	Pole (P)	Rating	Voltage (V)	Frequency (Hz)	Revolutions (min ⁻¹)	Current (A)	Approx. weight (kg)
200	4	Continuous	200/200/220	50/60/60	1425/1685/1710	1.23/1.15/1.14	10.0
400	4	Continuous	200/200/220	50/60/60	1425/1710/1725	2.4/2.1/2.1	9.7
750	4	Continuous	200/200/220	50/60/60	1425/1690/1715	3.65/3.52/3.4	13.0
1500	4	Continuous	200/200/220	50/60/60	1440/1705/1720	7.0/6.18/6.23	22.0

● Squirrel-cage induction motor ● Insulation class E ● Totally-enclosed and fan cooled type ● IP44