

Feature

The 2MY-S consists of the 2A pump and a dedicated motor and has a small footprint. Single phase and 100V/ 200V are standard spec. of the motor.
The ultra high temperature version (VH, max. temp. 150°C) is available.



Model

FTP-2ME S Model No. Applications A M

Rotation direction No mark: Counter clockwise
 R : Clockwise

Seal material No mark: Standard (-5~80°C)
VF: Viton (R) for high temp. (120°C)
VH: Ultrahigh temp. (150°C)

Relief valve No mark: No valve
VB: With valve (Internal-return)
VD: With valve (External-return)

Relief valve set pressure 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)

Motor output 200
400
750

Model No. 204
206
210
212
216
220

Applications
No mark: Standard
WO: Bunker oil,
Coolant Water
PL: Liquid seal

Model examples: FTP-2ME200S-204AM-VB1.0 (200W, single-phase, with relief valve (set pressure 1.0MPa))
FTP-2ME400S-210AMR (400W, single-phase, counter-clockwise as seen from the pump side)
FTP-2ME750S-216AM-VD (750W, single-phase, with relief valve (external-return))

Wiring diagram

100V (LOW VOLTAGE) 200V (HIGH VOLTAGE)

Clockwise as seen from pump side Counter-clockwise as seen from pump side Clockwise as seen from pump side Counter-clockwise as seen from pump side

● Please combine red, gray and brown. It is not necessary to connect them to a power source.

Dimensional diagrams (mm)

FTP-2ME200S-2**AM-VB

Model	LB	B	C	D
204A	337	86	10	Rc1/2
206A	342	91	15	
208A	347	96	20	
210A	352	101	25	Rc3/4
212A	357	106	30	
216A	367	116	40	

FTP-2ME400S-2**AM-VB

Model	LB	B	C	D
204A	363	86	10	Rc1/2
206A	368	91	15	
208A	373	96	20	
210A	378	101	25	Rc3/4
212A	383	106	30	
216A	393	116	40	
220A	403	126	50	

FTP-2ME750S-2**AM-VB

Model	LB	B	C	D
204A	432	86	10	Rc1/2
206A	437	91	15	
208A	442	96	20	
210A	447	101	25	Rc3/4
212A	452	106	30	
216A	462	116	40	
220A	472	126	50	

Spec

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

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.

Motor spec

Power (W)	Pole (P)	Rating	Voltage (V)	Frequency (Hz)	Revolutions (min ⁻¹)	Current (A)	Approx. Weight (kg)
200	4	Continuous	100	50	1440	5.6	8
				60	1730	4.9	
				200	1440	2.8	
400	4	Continuous	100	50	1430	8.4	13
				60	1720	7.6	
				200	1430	4.2	
				60	1720	3.8	
				100	1450	12.0	
				60	1740	11.0	
750	4	Continuous	100	50	1450	6.0	19
				60	1740	5.5	
				200	1450	3.0	

● Open and drip-proof type.