

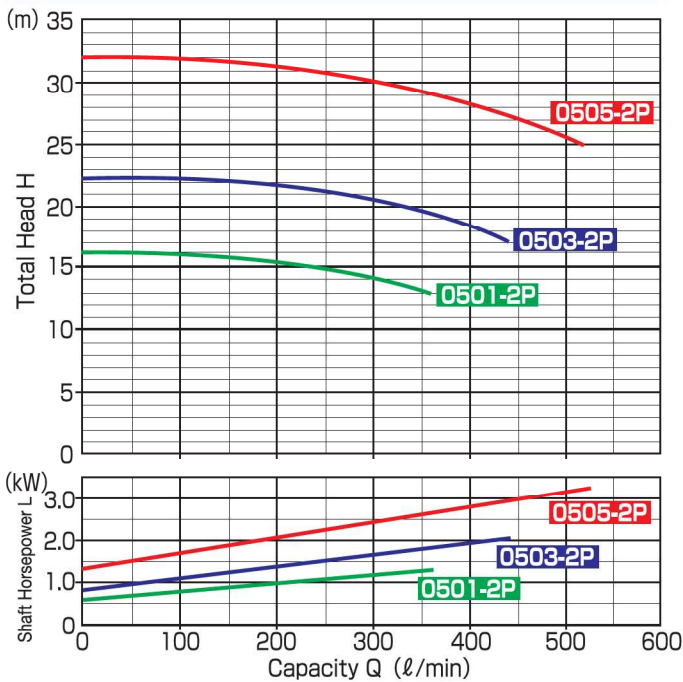
MEP-050 Series (Suction 50A × Discharge 40A)



Pump Specifications

- Operating Temperature 0~80℃
- Rotation Direction Clockwise (viewed from the motor)
- Flange JIS 10K FF (Please consult us about ANSI/DIN standard.)
- Finish Paint Munsell 2.5B4/8(pump body)
- Motor IEC flanged induction motor
- Accessories Foundation bolts (M12×160L×50b)

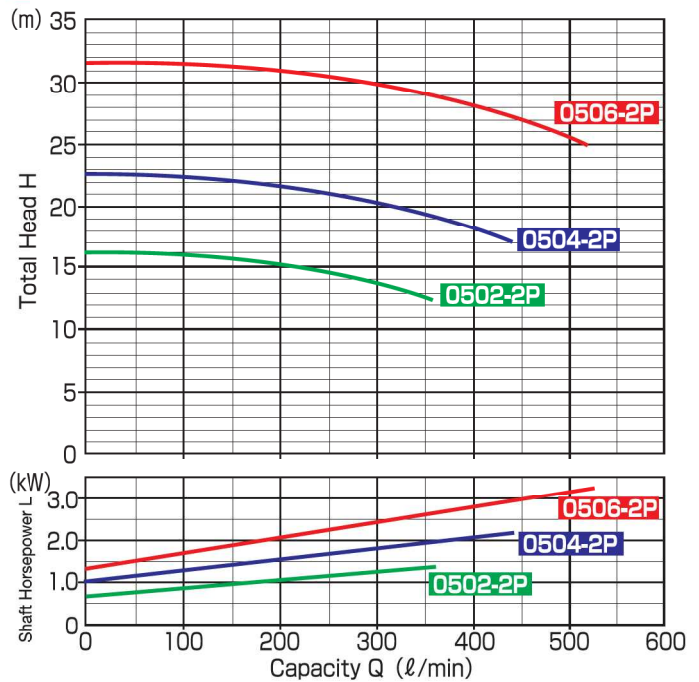
50Hz Performance Curve & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MEP-0501-2P	200	15	2.2	1.5~3.7
MEP-0503-2P	300	20	3.1	
MEP-0505-2P	400	28	4.2	

Note: NPSH Re values shown in the table are those obtained from the maximum suction pipe diameter.

60Hz Performance Curve & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MEP-0502-2P	200	15	2.8	1.5~3.7
MEP-0504-2P	300	20	3.8	
MEP-0506-2P	400	28	4.8	

Note: NPSH Re values shown in the table are those obtained from the maximum suction pipe diameter.

Pump Identification

MEP-050 1 F 02 A F F N 1

- ① Model
- ② Suction Pipe Size
- ③ Model Number
- ④ O-ring Material
- ⑤ Motor Output
- ⑥ Pump Body Material
- ⑦ Parts Material Combination
- ⑧ Classification of Flange (Piping Connection Method)
- ⑨ With or Without a Drain
- ⑩ Classification of Impeller Diameter

- ③ Model Number Please refer to Performance Curve
- ④ O-ring Material F : FPM E : EPDM Z : Other
- ⑤ Motor Output 02 : 1.5kW 03 : 2.2kW 05 : 3.7kW

Type	Casing	Impeller+ Inner Magnet	Drain	Rear Casing
A	G-PP	G-PP+PP	PP	G-PP

⑦ Parts Material Combination

Type	Shaft	Front Thrust Ring	Rear Thrust Ring	Mouth Ring	Bearing
A		Alumina-ceramic			C-PTFE
F(Standard)		Alumina-ceramic			Carbon
Z		Other Combinations or Special Option			

⑧ Classification of Flange (Piping Connection Method)

F: Flange Type N: Screw-in Type

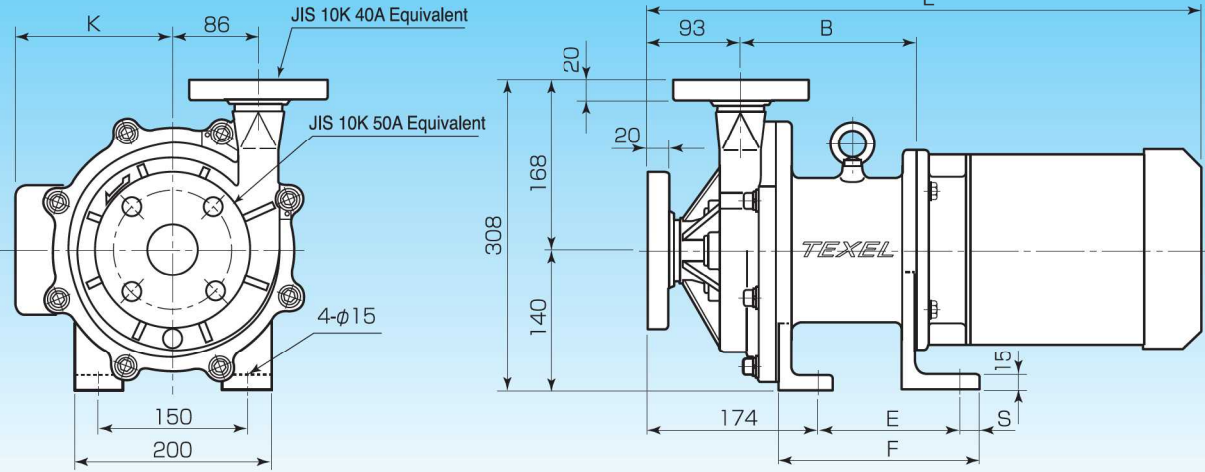
⑨ With or Without a Drain

N: Without a Drain D: With a Drain

⑩ Classification of Impeller Diameter

Seikow will determine it.

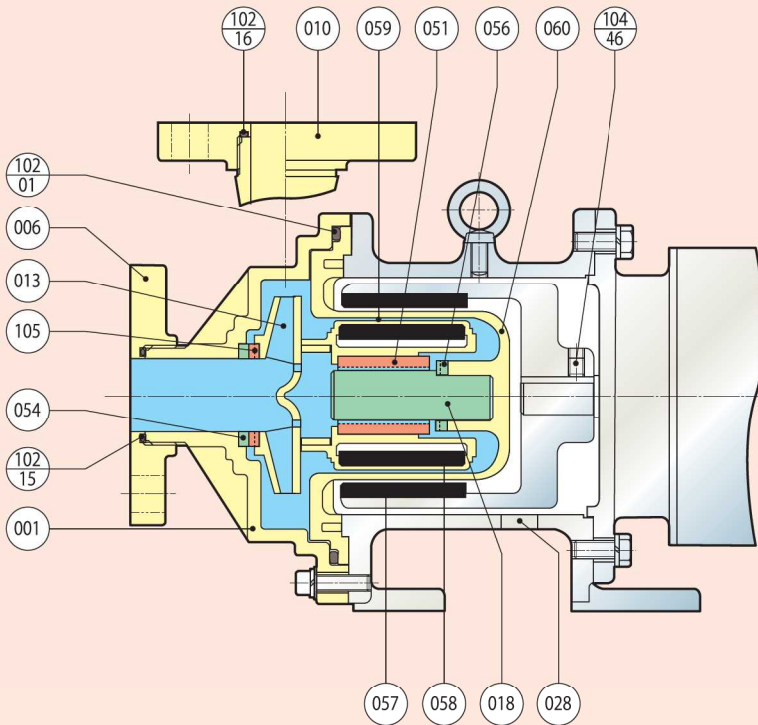
Dimensions



Motor Output	B	E	F	K	L	S	Weight (kg)
1.5kW	180	146	206	(160)	(570)	20	(19)
2.2kW							
3.7kW	190	187	254	(180)	(630)	27	

Note: ① The figures in parentheses are reference values.
 ② The weight of pump does not include the motor weight.
 ③ When using special motors (such as explosion-proof motors), please contact us for dimensions.

Construction Diagram



No.	Part Name	Materials
001	Casing	G-PP
006	Suction Flange	G-PP
010	Discharge Flange	G-PP
013	Impeller	G-PP
018	Shaft	Alumina-ceramic
028	Bracket	FC200
051	Bearing	Carbon/C-PTFE
054	Front Thrust Ring	Alumina-ceramic
056	Rear Thrust Ring	Alumina-ceramic
057	Outer Magnet	Ferrite / Rare Earth
058	Inner Magnet	Ferrite / Rare Earth
059	Magnet Lining	PP
060	Rear Casing	G-PP
102-01	O-ring(Casing)	FPM/EPDM
102-15	O-ring(Suction Flange)	FPM/EPDM
102-16	O-ring(Discharge Flange)	FPM/EPDM
104-46	Outer Magnet Set Screw	SNCM
105	Mouth Ring	Carbon/C-PTFE

Note: Materials of Inner and Outer Magnets
 For 1.5-kW motor output, the materials are ferrites.
 For 2.2-kW and 3.7-kW motor output, the materials are rare earth elements.
 Inner Magnet (058) and Magnet Lining (059) are integrated and engaged with Impeller (013).