

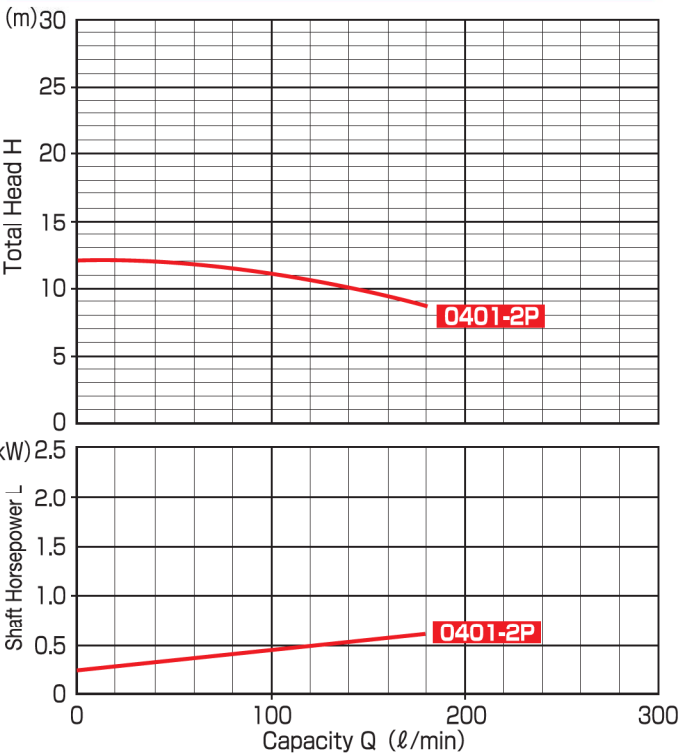
MES-040 Series (Suction 40A×Discharge 40A)



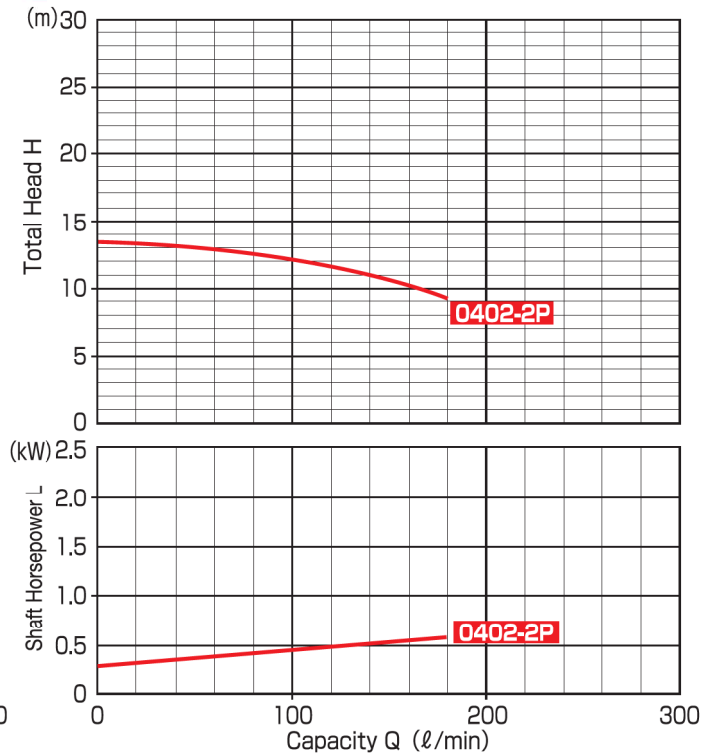
Pump Specifications

- Operating Temperature 0~80°C
- 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 Base & Foundation bolts (M12×160L×50b)

50Hz Performance Curve & Technical Data



60Hz Performance Curve & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MES-0401-2P	100	10	2.2	0.75

Note: NPSH Re value shown in the table is that obtained from the maximum suction pipe diameter.

Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MES-0402-2P	100	12	2.6	0.75

Note: NPSH Re value shown in the table is that obtained from the maximum suction pipe diameter.

Pump Identification

MES-040 1 F 01 A C F
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Model
- ② Suction Pipe Size
- ③ Model Number Please refer to Performance Curve
- ④ O-ring Material
F : FPM E : EPDM
- ⑤ Motor Output 01 : 0.75kW
- ⑥ Pump Body Material

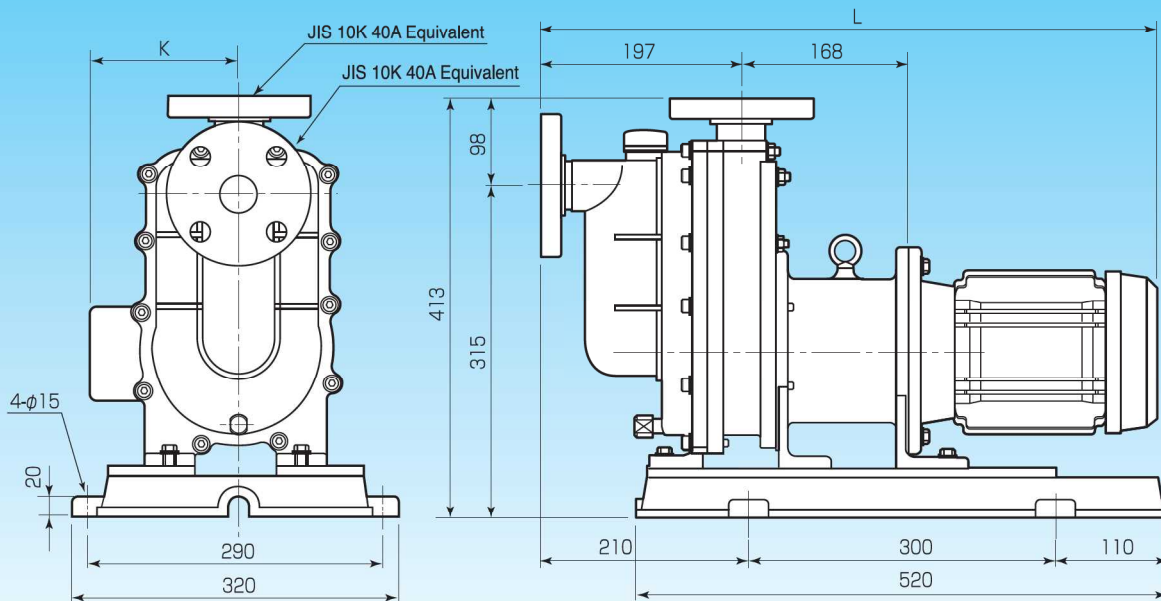
Type	Tank	Casing	Impeller + Inner Magnet	Rear Casing
A	G-PP	G-PP	G-PP + PP	G-PP

- ⑦ Motor Type
C: Totally-enclosed fan-cooled type, explosion-proof increased safety type
T: Pressure-resistant explosion-proof type

⑧ 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				

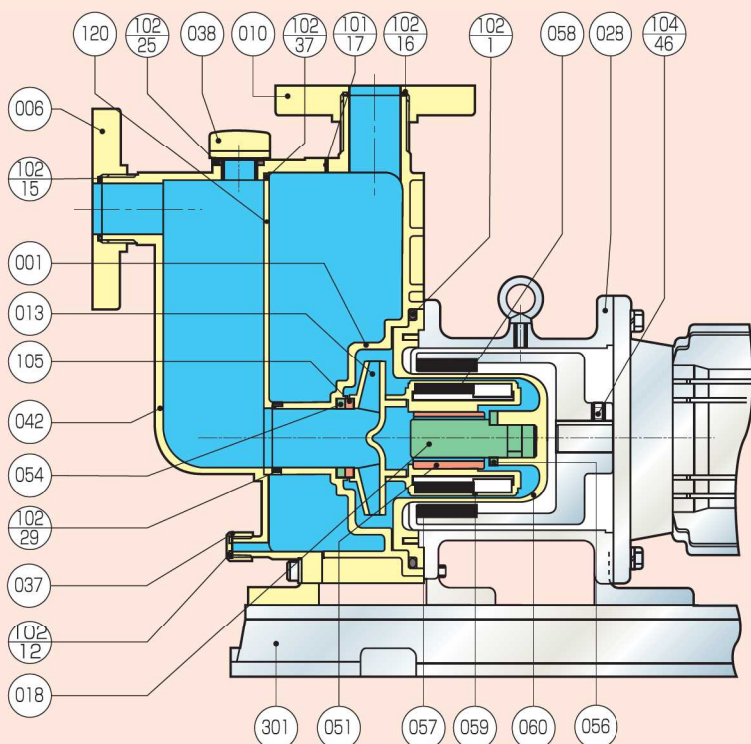
Dimensions



Motor Output	K	L	Weight (kg)
0.75kW	(120)	(610)	(34)

Note : ① The weight of pump does not include the motor weight.
 ② The figures in parentheses are reference values.

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
037	Drain Plug	G-PP
038	Air Vent Plug	G-PP
042	Tank	G-PP
051	Bearing	Carbon/C-PTFE
054	Front Thrust Ring	Alumina-ceramic
056	Rear Thrust Ring	Alumina-ceramic
057	Outer Magnet	Ferrite
058	Inner Magnet	Ferrite
059	Magnet Lining	PP
060	Rear Casing	G-PP
101-17	Tank Gasket	FPM / EPDM
102-01	O-ring(Casing)	FPM / EPDM
102-12	O-ring(Drain Plug)	FPM / EPDM
102-15	O-ring(Suction Flange)	FPM / EPDM
102-16	O-ring(Discharge Flange)	FPM / EPDM
102-25	O-ring(Air Vent Plug)	FPM / EPDM
102-29	O-ring(Suction)	FPM / EPDM
037	Partition Plate Gasket	FPM / EPDM
102-37	Partition Plate Gasket	FPM / EPDM
105	Mouth Ring	Carbon/C-PTFE
104-46	Outer Magnet Set Screw	SNCM
120	Partition Plate	G-PP
301	Base	FC200

Note: Inner Magnet (058) and Magnet Lining (059) are integrated and engaged with Impeller (013).