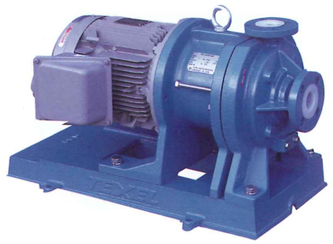
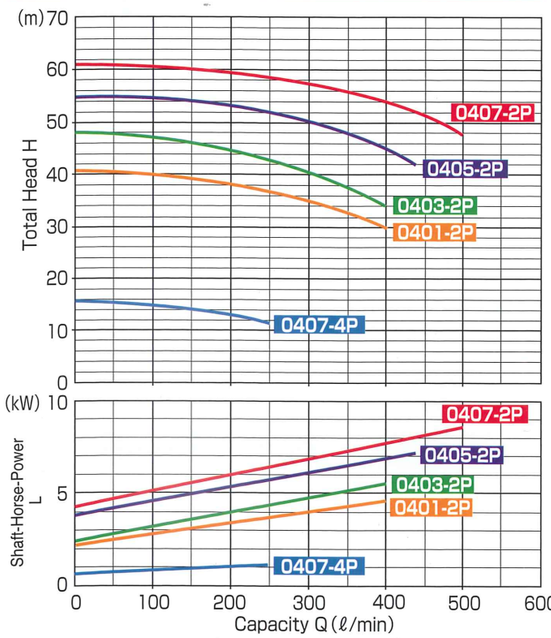
MTA-040 Series (Suction 40A×Discharge 25A)



Pump Specifications

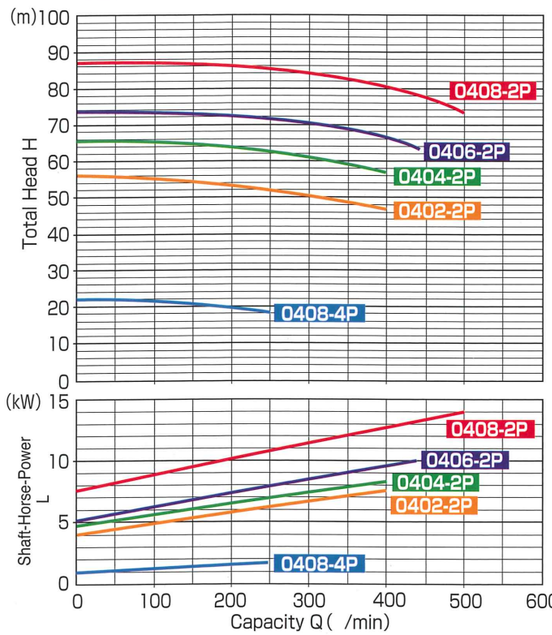
- Operating Temperature　0～120℃
- Rotation Direction　Clockwise (view from the motor)
- Flange　JIS 10K RF（Please consult us about ANSI/DIN standard.）
- Finish Paint　Munsell 2.5B4/8(pump body)
- Motor　IEC Flanged Induction motor
- Accessories　Base & Foundation bolts（M12×160L×50b）

50Hz Capacity Range & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MTA-0401-2P	300	35	3.2	1.5～15
MTA-0403-2P		40		
MTA-0405-2P		50		
MTA-0407-2P		55		
MTA-0407-4P	150	10	2.0	1.5～3.7

60Hz Capacity Range & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MTA-0402-2P	300	50	3.6	1.5～18.5
MTA-0404-2P		60		
MTA-0406-2P		70		
MTA-0408-2P		80		
MTA-0408-4P	150	15	2.1	1.5～3.7

Pump Identification

MTA-040 ❶ 1 ❷ P ❸❹ 07 ❺ F ❻ E ❼ 4 ❽

❶ Model　❷ Suction Size

❸ Model Number　Please refer to Performance Curve

❹ Gasket material　P：PTFE（Jacketed）
Z：Other

❺ Motor Output　02：1.5kW　03：2.2kW　05：3.7kW
07：5.5kW　10：7.5kW　15：11kW
20：15kW　25：18.5kW(60Hz only)

❻ Pump Body Material

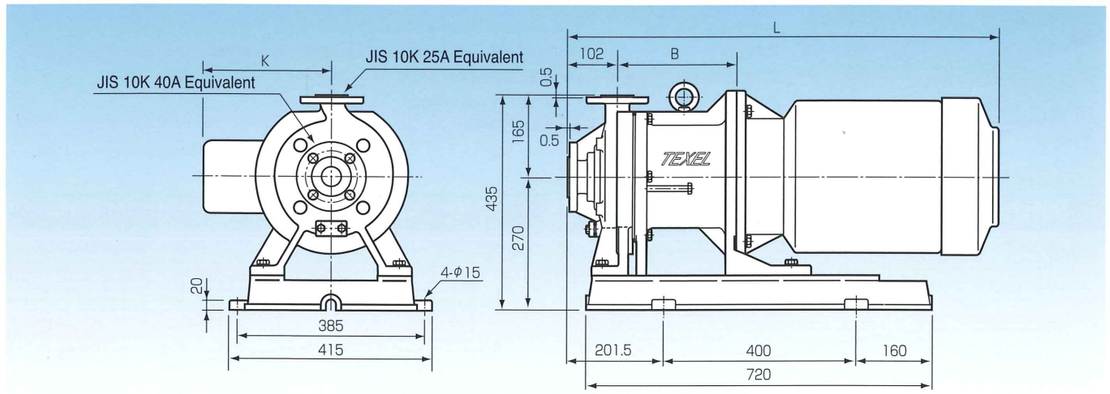
Type	Casing	Impeller＋Inner Magnet	Rear Casing
F	PFA		PFA＋Eng.Plastic
Z	Other Combinations or Special Option		

❼ Parts Material Combination

Type	Shaft	Front & Rear Thrust Ring	Mouth Ring & Bearing
B	SiC		
C	SiC		Carbon
E (Standard)	SiC		C-PTFE
H	SiC		G-PTFE
Z	Other Combinations or Special Option		

❽ Number of Pole　Show only for "4" pole motor.

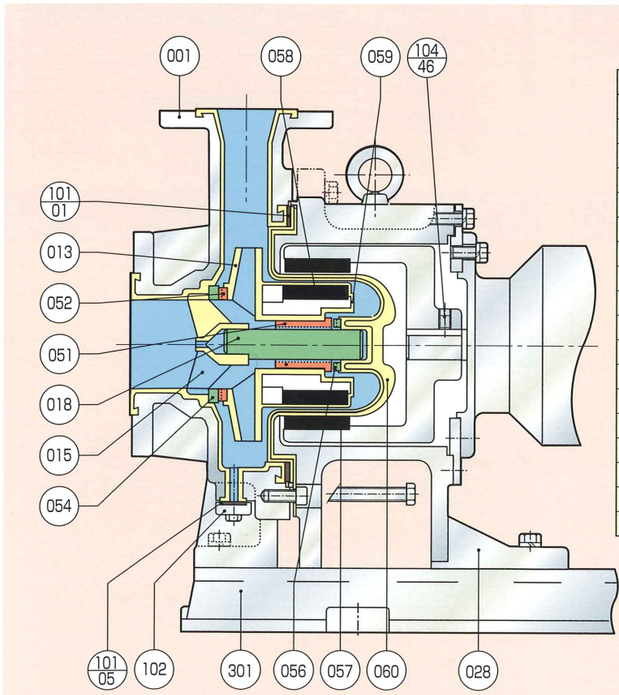
Dimensions



Motor Output (kW)	B	K	L	Weight (kg)
1.5 / 2.2	188	(260)	(888)	(105)
3.7	198			
5.5 / 7.5	218			
11 / 15 / 18.5	248			

Note：① In indicates (shows) a numerial of parenthesis is reference value.
② Only the above dimensional is provided for TEFC(2 Pole).
Please consult us when you use special motor (eG3, d2G4, etc).
③ Only the above dimensional is provided for Texel Moter.

Construction Diagram



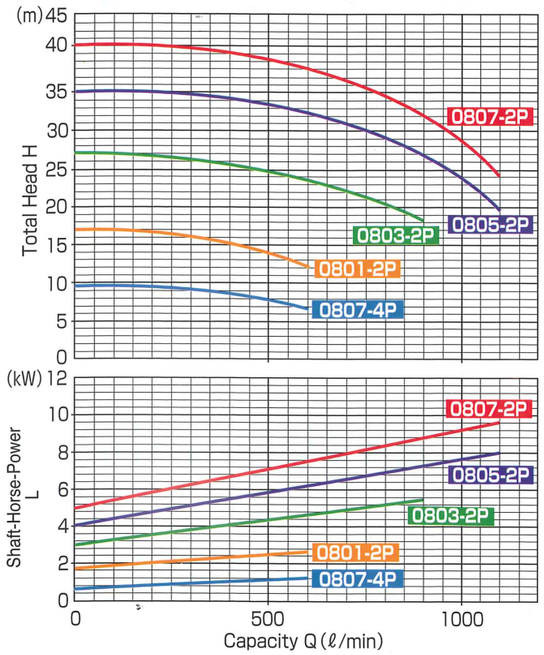
No.	Part Name	Materials
001	Casing	FCD450＋PFA
013	Impeller	PFA
015	Shaft Support	PFA
018	Shaft	SiC
028	Bracket	FC200
051	Bearing	C-PTFE / SiC / Cabon / G-PTFE
052	Mouth Ring	C-PTFE / SiC / Cabon / G-PTFE
054	Front Thrust Ring	SiC
056	Rear Thrust Ring	SiC
057	Outer Magnet	Rare Earth
058	Inner Magnet	Rare Earth
059	Magnet Lining	PFA
060	Rear Casing	PFA (Wetted Parts)
101-01	Casing Gasket	PTFE（Jacketed）
101-05	Drain Gasket	PTFE（Jacketed）
102	Drain Flange	FC200
104-46	Outer magnet set screw	SNCM
301	Base	FC200

MTA-080 Series (Suction 80A×Discharge 50A)

Pump Specifications

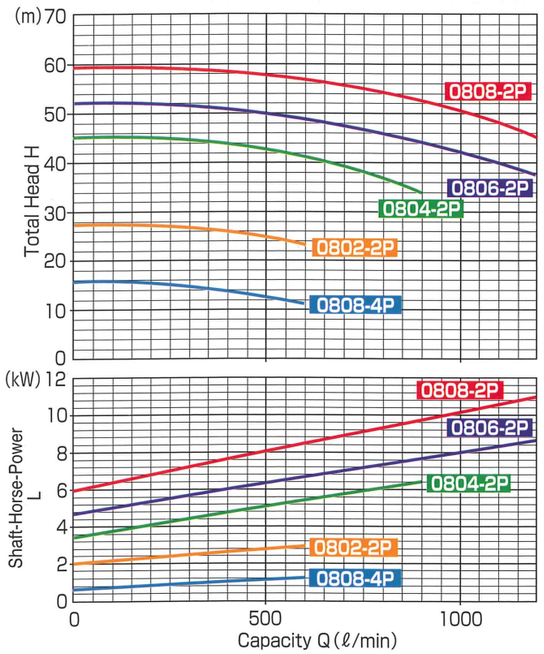
Operating Temperature	0～120℃
Rotation Direction	Clockwise (view from the motor)
Flange	JIS 10K RF（Please consult us about ANSI/DIN standard.）
Finish Paint	Munsell 2.5B4/8(pump body)
Motor	IEC Flanged Induction motor
Accessories	Base & Foundation bolts（M12×160L×50b）

50Hz Capacity Range & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MTA-0801-2P	700	10	4.3	1.5～15
MTA-0803-2P	800	20	5.0	
MTA-0805-2P		30		
MTA-0807-2P		34		
MTA-0807-4P	400	8	2.4	1.5～3.7

60Hz Capacity Range & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MTA-0802-2P	800	20	5.2	1.5～18.5
MTA-0804-2P	1000	30	6.8	
MTA-0806-2P		40		
MTA-0808-2P		50		
MTA-0808-4P	500	10	2.6	1.5～3.7

Pump Identification

MTA-080 ❶ ❷ ❸❹ ❺ ❻❼ ❽

❶ Model ❷ Suction Size
❸ Model Number Please refer to Performance Curve
❹ Gasket material P：PTFE（Jacketed）
Z：Other
❺ Motor Output 02：1.5kW 03：2.2kW 05：3.7kW
07：5.5kW 10：7.5kW 15：11kW
20：15kW 25：18.5kW(60Hz only)

❻ Pump Body Material

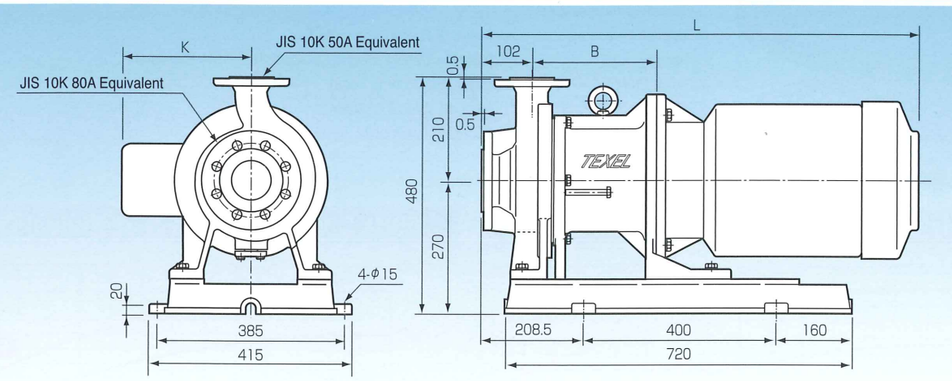
Type	Casing	Impeller+Inner Magnet	Rear Casing
F	PFA		PFA+Eng.Plastic
Z	Other Combinations or Special Option		

❼ Parts Material Combination

Type	Shaft	Front & Rear Thrust Ring	Mouth Ring & Bearing
B	SiC		
C	SiC		Carbon
E (Standard)	SiC		C-PTFE
H	SiC		G-PTFE
Z	Other Combinations or Special Option		

❽ Number of Pole Show only for "4" pole motor.

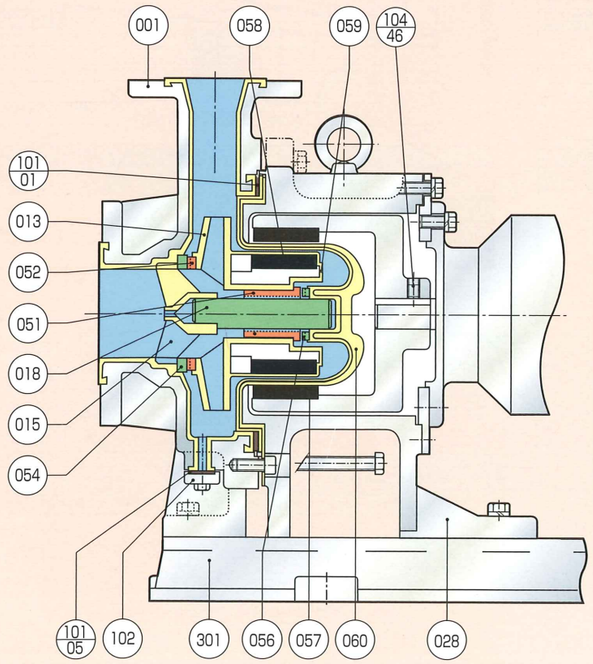
Dimensions



Motor Output (kW)	B	K	L	Weight (kg)
1.5 / 2.2	195	(260)	(895)	(108)
3.7	205			
5.5 / 7.5	225			
11 / 15 / 18.5	255			

Note：① In indicates (shows) a numerial of parenthesis is reference value.
② Only the above dimensional is provided for TEFC(2 Pole).
Please consult us when you use special motor (eG3, d2G4, etc).
③ Only the above dimensional is provided for Texel Moter.

Construction Diagram



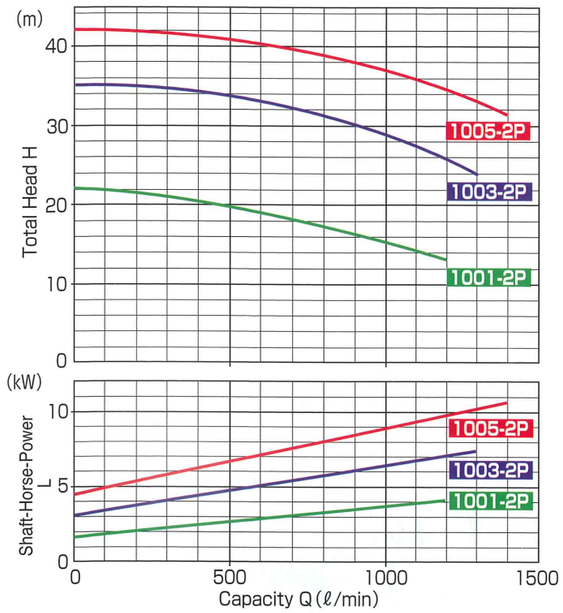
No.	Part Name	Materials
001	Casing	FCD450+PFA
013	Impeller	PFA
015	Shaft Support	PFA
018	Shaft	SiC
028	Bracket	FC200
051	Bearing	C-PTFE / SiC / Cabon / G-PTFE
052	Mouth Ring	C-PTFE / SiC / Cabon / G-PTFE
054	Front Thrust Ring	SiC
056	Rear Thrust Ring	SiC
057	Outer Magnet	Rare Earth
058	Inner Magnet	Rare Earth
059	Magnet Lining	PFA
060	Rear Casing	PFA (Wetted Parts)
101-01	Casing Gasket	PTFE（Jacketed）
101-05	Drain Gasket	PTFE（Jacketed）
102	Drain Flange	FC200
104-46	Outer magnet set screw	SNCM
301	Base	FC200

MTA-100 Series (Suction 100A×Discharge 80A)

Pump Specifications

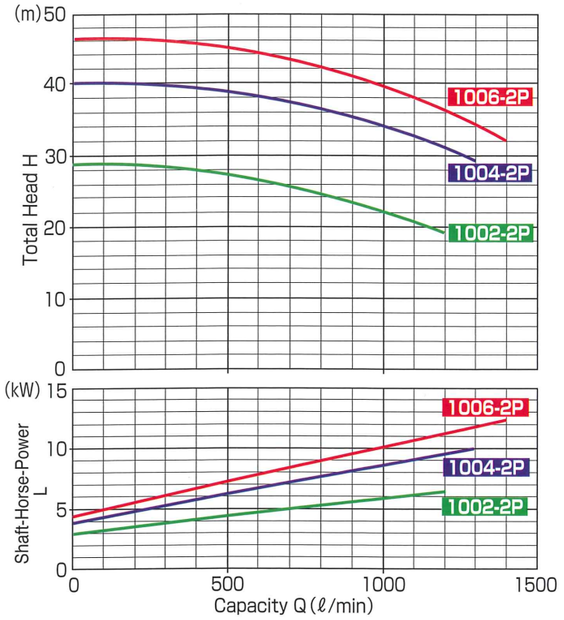
Operating Temperature	0~120℃
Rotation Direction	Clockwise (view from the motor)
Flange	JIS 10K RF (Please consult us about ANSI/DIN standard.)
Finish Paint	Munsell 2.5B4/8(pump body)
Motor	IEC Flanged Induction motor
Accessories	Base & Foundation bolts (M12×160L×50b)

50Hz Capacity Range & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MTA-1001-2P	1000	15	4.5	5.5~15
MTA-1003-2P	1200	25	5.8	
MTA-1005-2P		30		

60Hz Capacity Range & Technical Data



Model	Capacity (ℓ/min)	Total Head (m)	NPSH Re (m)	Motor Output (kW)
MTA-1002-2P	1000	20	5.2	5.5~18.5
MTA-1004-2P	1200	30	6.6	
MTA-1006-2P		35		

Pump Identification

MTA-100 ❶ 1 ❷ P ❸❹ 07 ❺ F ❻ E ❼

❶ Model ❷ Suction Size

❸ Model Number Please refer to Performance Curve

❹ Gasket material P : PTFE (Jacketed)
Z : Other

❺ Motor Output 07 : 5.5kW 10 : 7.5kW 15 : 11kW
20 : 15kW 25 : 18.5kW(60Hz only)

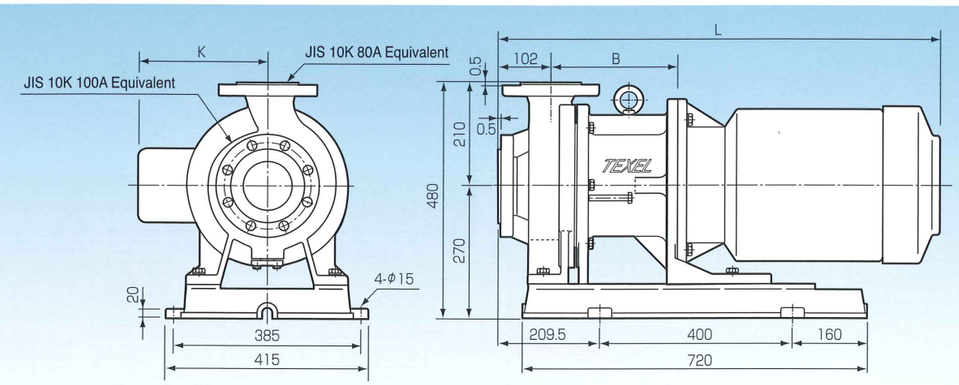
❻ Pump Body Material

Type	Casing	Impeller+Inner Magnet	Rear Casing
F	PFA		PFA+Eng.Plastic
Z	Other Combinations or Special Option		

❼ Parts Material Combination

Type	Shaft	Front & Rear Thrust Ring	Mouth Ring & Bearing
B	SiC		
C	SiC		Carbon
E (Standard)	SiC		C-PTFE
H	SiC		G-PTFE
Z	Other Combinations or Special Option		

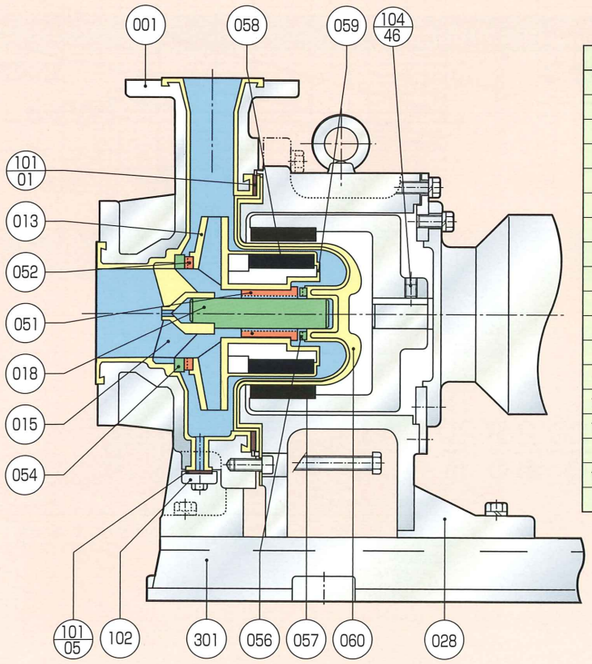
Dimensions



Motor Output (kW)	B	K	L	Weight (kg)
5.5 / 7.5	235	(270)	(920)	(115)
11 / 15 / 18.5	265			

Note : ① In indicates (shows) a numerial of parenthesis is reference value.
② Only the above dimensional is provided for TEFC(2 Pole).
Please consult us when you use special motor (eG3, d2G4, etc).
③ Only the above dimensional is provided for Texel Moter.

Construction Diagram



No.	Part Name	Materials
001	Casing	FCD450+PFA
013	Impeller	PFA
015	Shaft Support	PFA
018	Shaft	SiC
028	Bracket	FC200
051	Bearing	C-PTFE / SiC / Cabon / G-PTFE
052	Mouth Ring	C-PTFE / SiC / Cabon / G-PTFE
054	Front Thrust Ring	SiC
056	Rear Thrust Ring	SiC
057	Outer Magnet	Rare Earth
058	Inner Magnet	Rare Earth
059	Magnet Lining	PFA
060	Rear Casing	PFA (Wetted Parts)
101-01	Casing Gasket	PTFE (Jacketed)
101-05	Drain Gasket	PTFE (Jacketed)
102	Drain Flange	FC200
104-46	Outer magnet set screw	SNCM
301	Base	FC200