

● FDA50/10-16/750mF

Fujika Drainage Aluminum submersible pump

● General :

- FDA Series is a compact and reliable range of submersible drainage pumps engineered for efficient transfer and removal of clean and slightly dirty water in domestic commercial and light-duty applications.
- The pumps combine a lightweight aluminum construction with a direct-coupled submersible motor and an efficient hydraulic design, providing stable performance, easy handling and dependable operation.
- Designed for installation in sumps, pits, tanks and drainage areas, the series provides a practical solution for both fixed and temporary water-transfer duties with minimum installation and maintenance requirements.

● Characteristics :

- Two-pole induction motor with Class F insulation and IPX8 protection.
- Single-phase models with capacitor and built-in thermal overload protection.
- Bottom suction arrangement with protective inlet strainer.
- Copper motor winding and high heat-resistant bearing arrangement.
- Suitable for water with pH 6.5–8 and low concentrations of fine suspended solids.

● Features :

- Compact and lightweight design for easy handling and installation.
- Automatic float switch for level-controlled operation on applicable models.
- Built-in thermal overload protection for single-phase versions.
- High heat-resistant bearings for dependable operation and extended service life.
- Reliable mechanical sealing arrangement suitable for submerged duty.
- Protective suction strainer helps prevent oversized debris from entering the pump.

● Performance table :

Model	Power		Max flow m ³ /h	Max head meters	Voltage	Outlet Inch
	KW	HP				
FDA50/10-16/750mF	0.75	1	20	16	1x220V	2

● Applications :

- Clean-water lifting and transfer to roof or storage tanks.
- Drainage of rainwater and accumulated water.
- Construction-site and light-duty dewatering.
- Swimming-pool and general water transfer duties.
- Fountains, waterfalls and decorative water features.
- Irrigation and transfer of suitable river water.
- Transfer of mildly brackish water only where its composition is compatible with the pump materials.

● Product photo: -



● Ratings :

- Frequency: 50/60 Hz.
- Voltage: 220V single phase, 380V three phase (according to model)
- Liquid temperature: up to 40 °C.
- Ambient temperature: up to 40 °C.
- Maximum submergence depth: 5 m.
- Protection grade: IPX8; Insulation class: F.
- Maximum sand content: 0.1%; suspended solids passage up to 0.2 mm.

● Installation Arrangement Options :

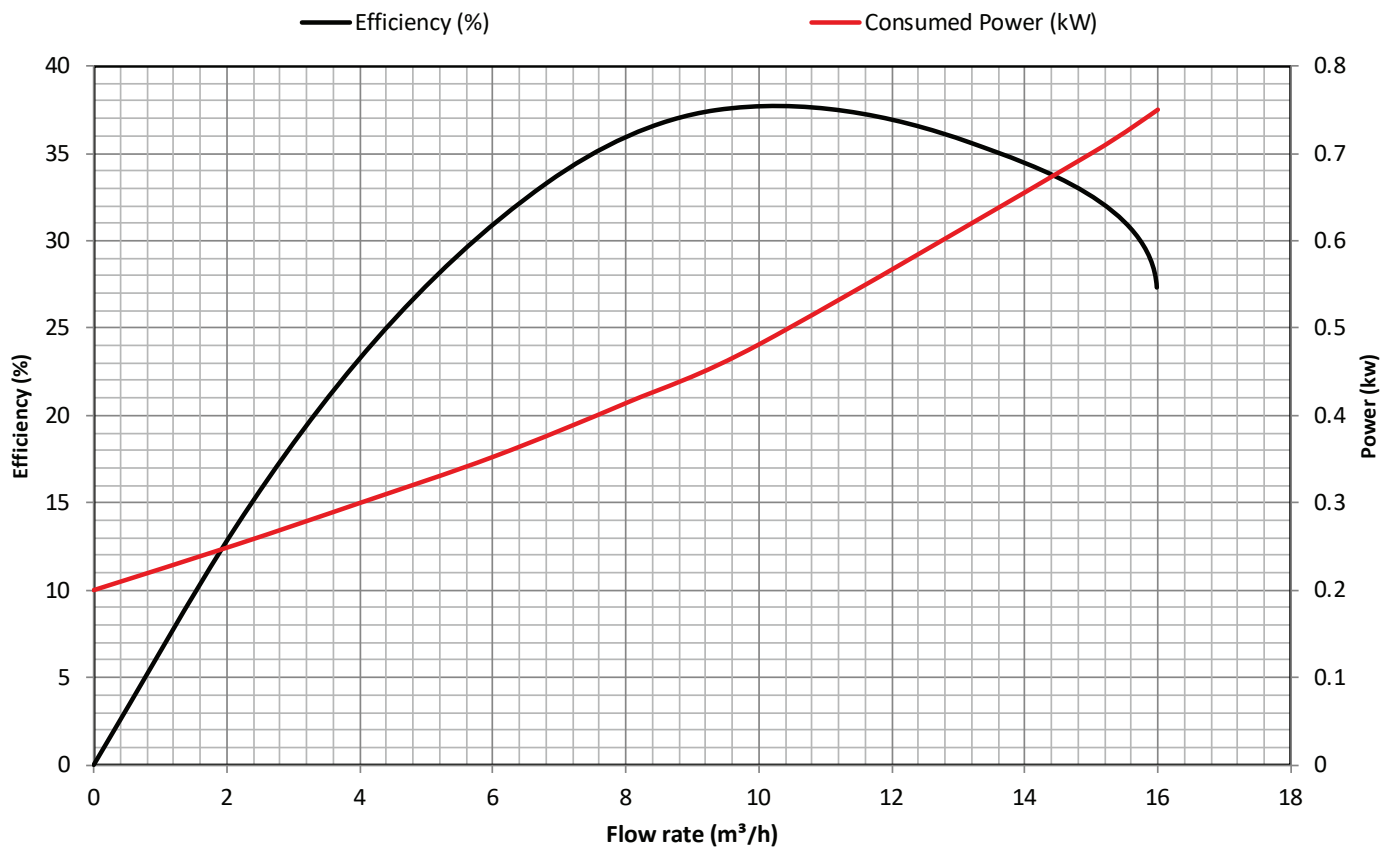
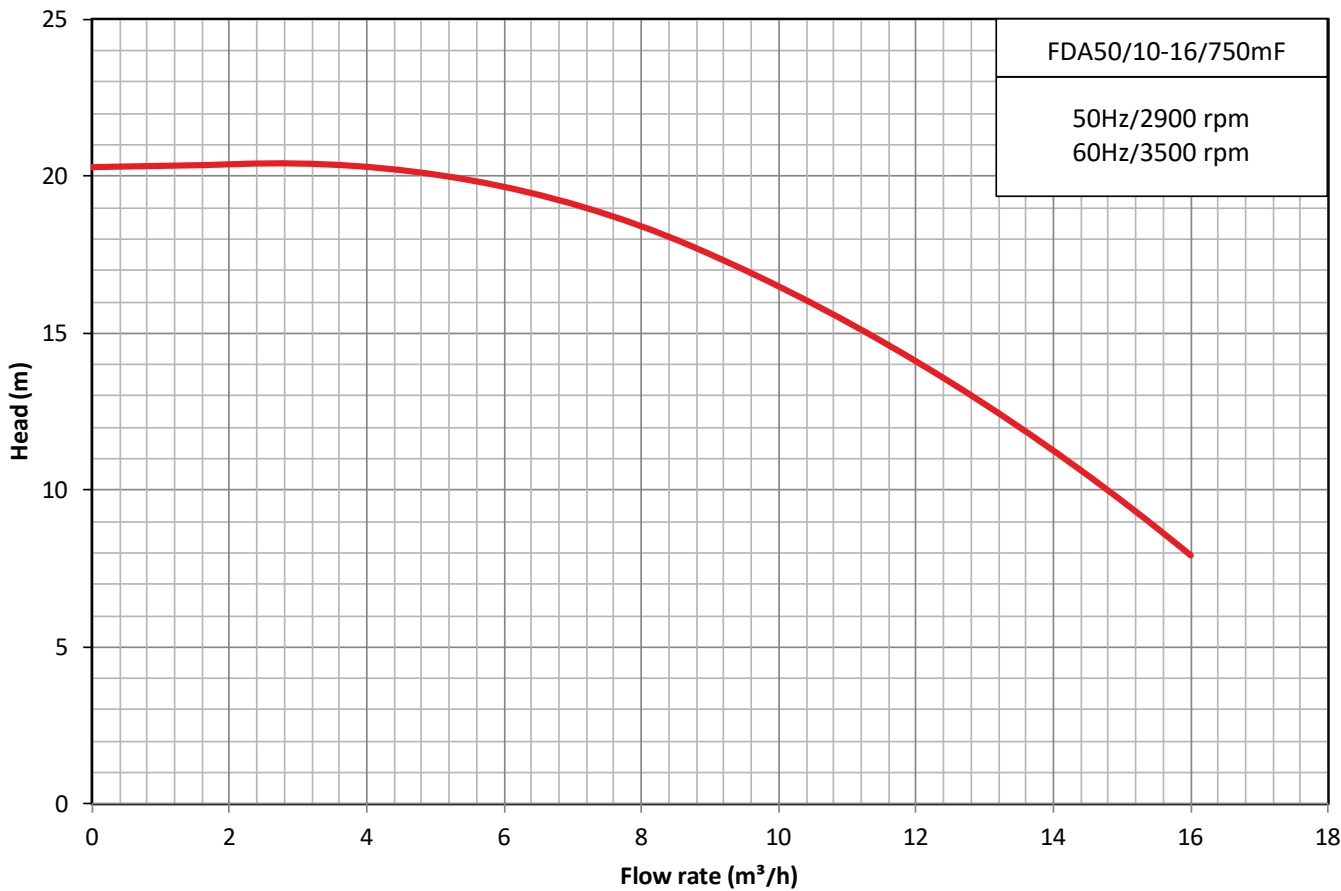
- Install vertically in a sump, pit or tank on a firm and stable base.
- Keep the suction strainer clear of sediment and surrounding obstructions.
- Allow sufficient clearance for unrestricted float switch movement where fitted.
- Do not exceed the specified immersion depth or lift the pump by its power cable.
- Provide secure discharge piping, proper grounding and suitable electrical protection.

● Model Name :

FDA50/10-16/750mF

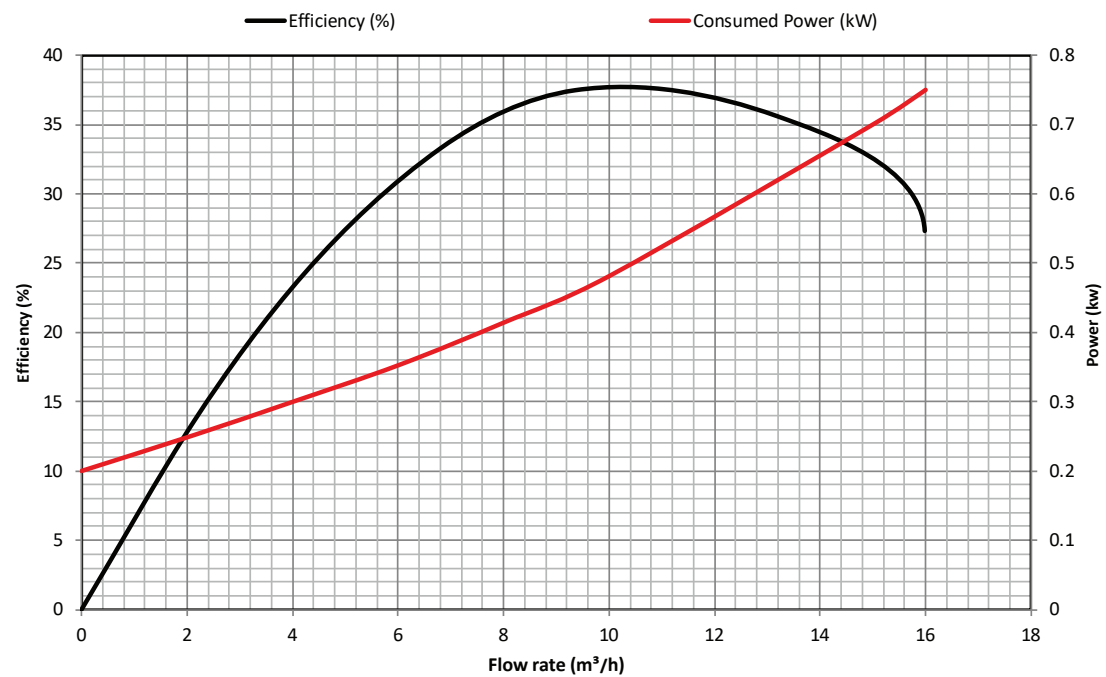
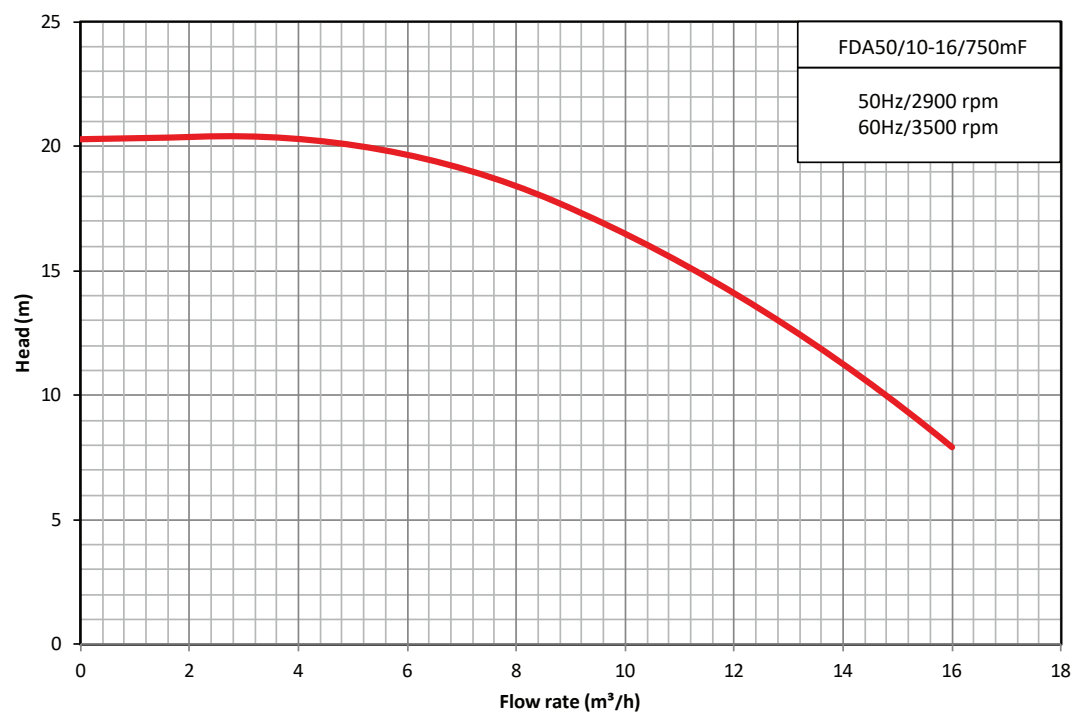
- FDA : FUJIKA Submersible Drainage Pump Series.
- 50 : Nominal discharge size.
- 10 : Flowrate range (m³/h)
- 16 : Head range (m)
- 750 : Power (W).
- mF: Single-phase version with float switch.

Performance Curve

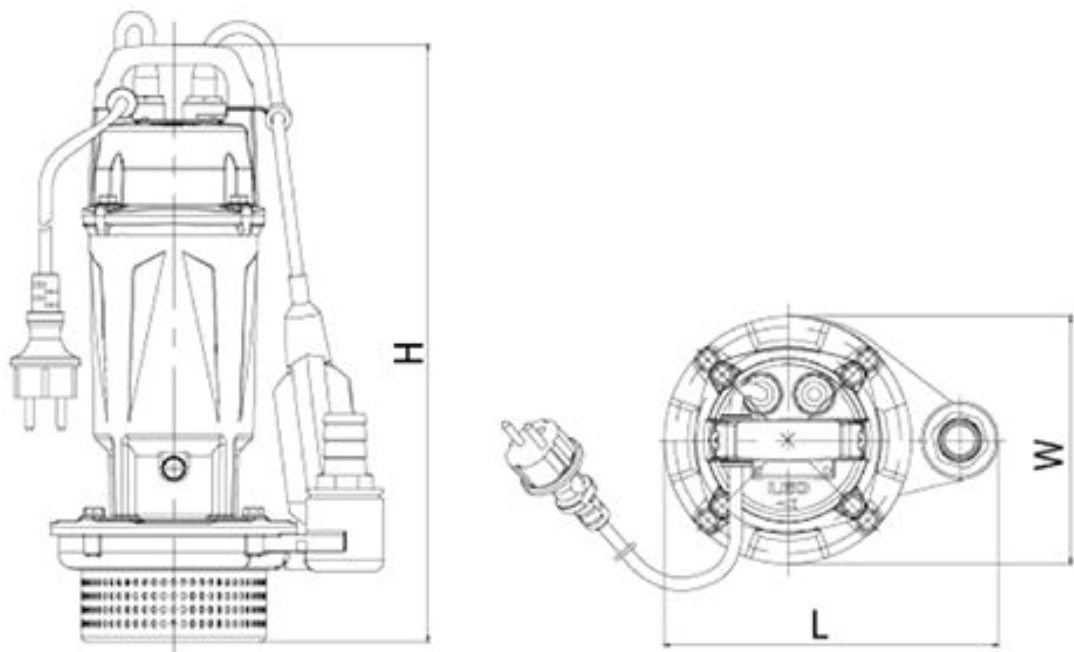


Test Report
FDA50/10-16/750mF

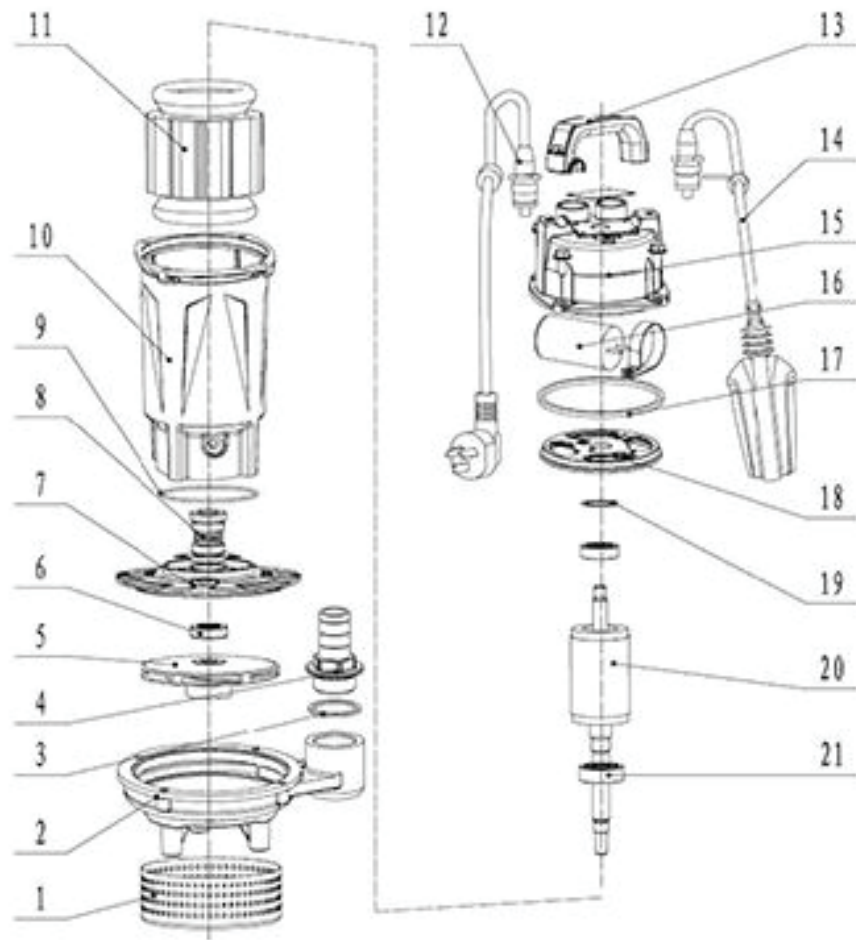
Measured Data						Performance Data				
No.	InletPre. (kPa)	OutletPre. (kPa)	Flow Rate (m³/h)	Rotate spe. (r/min)	Voltage (V)	Currency (A)	Motor Pow Input (Watt)	Flow Rate (m³/h)	Head (m)	Pump Eff.(%)
1	0.00	183.74	0.00	3533.81	219.85	3.66	768.92	0.00	20.29	0.00
2	0.00	186.68	2.14	3526.61	219.83	4.14	880.23	2.14	20.60	13.64
3	0.00	184.40	4.01	3515.76	219.82	4.47	950.94	4.01	20.39	23.43
4	0.00	176.90	6.02	3503.28	219.80	4.87	1039.47	6.02	19.68	31.05
5	0.00	163.45	8.03	3491.67	219.78	5.22	1117.75	8.03	18.33	35.97
6	0.00	143.47	10.02	3481.61	219.77	5.50	1179.24	10.02	16.43	38.03
7	0.00	74.58	15.00	3473.49	219.76	5.69	1219.40	15.00	9.72	32.56
8	0.00	56.20	15.96	3466.08	219.76	5.86	1258.96	15.96	7.92	27.33



Dimentions



Model	Dimensions (mm)		
	H	L	W
FDA50/10-16/750mF	380	230	120



No	Description
1	Filter
2	Bearing
3	O-Ring
4	Outlet connector
5	Impeller
6	Oil seal
7	Cover of cylinder
8	Mechanical seal
9	O-Ring
10	Motor casing
11	Stator
12	Cable assembly
13	Handle
14	Float switch
15	Top cover
16	Capacitor
17	O-Ring
18	End cover
19	wave spring pad
20	Rotor
21	Bearing

● FDA50/30-22/1500mF

Fujika Drainage Aluminum submersible pump

● General :

- FDA Series is a compact and reliable range of submersible drainage pumps engineered for efficient transfer and removal of clean and slightly dirty water in domestic commercial and light-duty applications.
- The pumps combine a lightweight aluminum construction with a direct-coupled submersible motor and an efficient hydraulic design, providing stable performance, easy handling and dependable operation.
- Designed for installation in sumps, pits, tanks and drainage areas, the series provides a practical solution for both fixed and temporary water-transfer duties with minimum installation and maintenance requirements.

● Characteristics :

- Two-pole induction motor with Class F insulation and IPX8 protection.
- Single-phase models with capacitor and built-in thermal overload protection.
- Bottom suction arrangement with protective inlet strainer.
- Copper motor winding and high heat-resistant bearing arrangement.
- Suitable for water with pH 6.5–8 and low concentrations of fine suspended solids.

● Features :

- Compact and lightweight design for easy handling and installation.
- Automatic float switch for level-controlled operation on applicable models.
- Built-in thermal overload protection for single-phase versions.
- High heat-resistant bearings for dependable operation and extended service life.
- Reliable mechanical sealing arrangement suitable for submerged duty.
- Protective suction strainer helps prevent oversized debris from entering the pump.

● Performance table :

Model	Power		Max flow m ³ /h	Max head meters	Voltage	Outlet Inch
	KW	HP				
FDA50/30-22/1500mF	1.5	2.0	29	21	1x220V	2

● Applications :

- Clean-water lifting and transfer to roof or storage tanks.
- Drainage of rainwater and accumulated water.
- Construction-site and light-duty dewatering.
- Swimming-pool and general water transfer duties.
- Fountains, waterfalls and decorative water features.
- Irrigation and transfer of suitable river water.
- Transfer of mildly brackish water only where its composition is compatible with the pump materials.

● Product photo: -



● Ratings :

- Frequency: 50/60 Hz.
- Voltage: 220V single phase, 380V three phase (according to model)
- Liquid temperature: up to 40 °C.
- Ambient temperature: up to 40 °C.
- Maximum submergence depth: 5 m.
- Protection grade: IPX8; Insulation class: F.
- Maximum sand content: 0.1%; suspended solids passage up to 0.2 mm.

● Installation Arrangement Options :

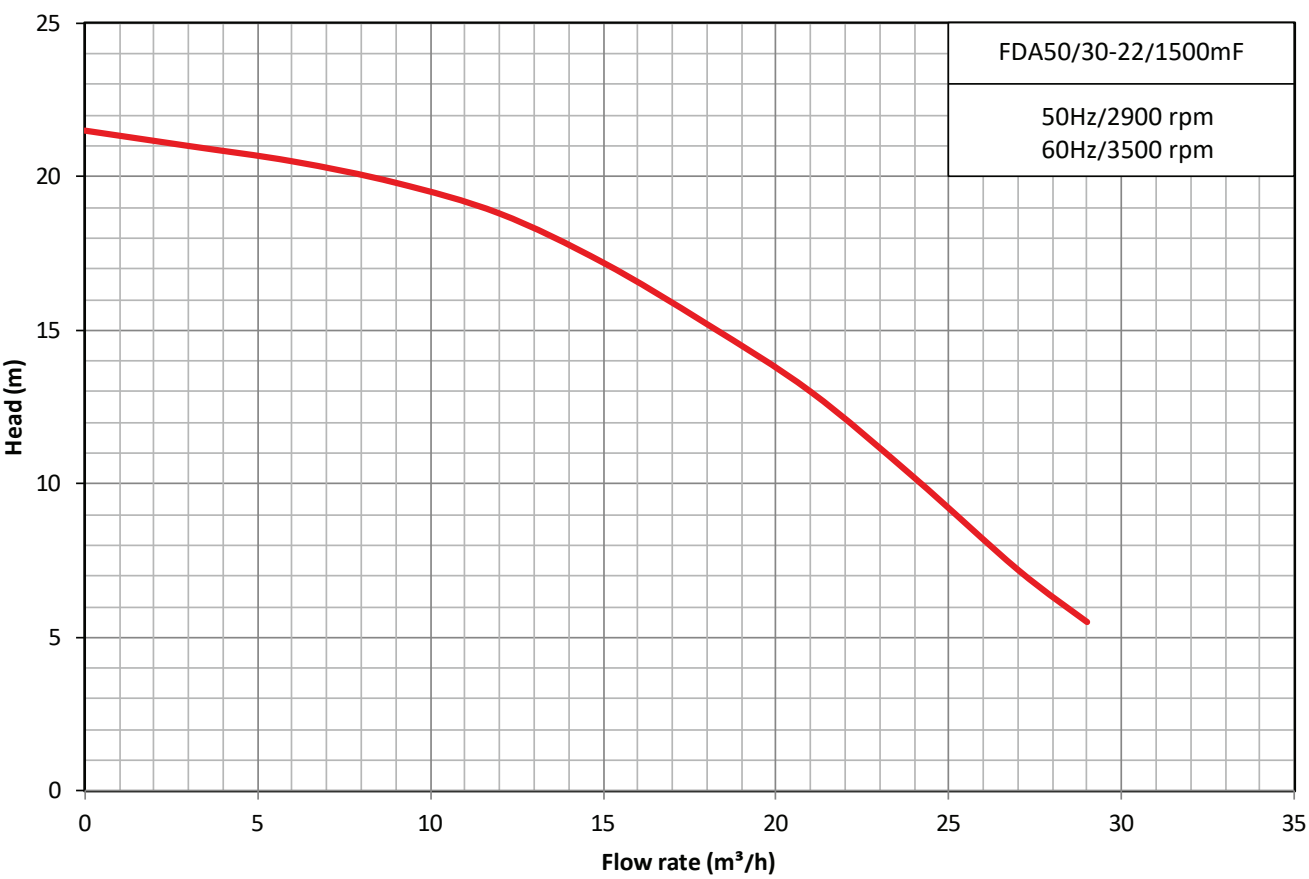
- Install vertically in a sump, pit or tank on a firm and stable base.
- Keep the suction strainer clear of sediment and surrounding obstructions.
- Allow sufficient clearance for unrestricted float switch movement where fitted.
- Do not exceed the specified immersion depth or lift the pump by its power cable.
- Provide secure discharge piping, proper grounding and suitable electrical protection.

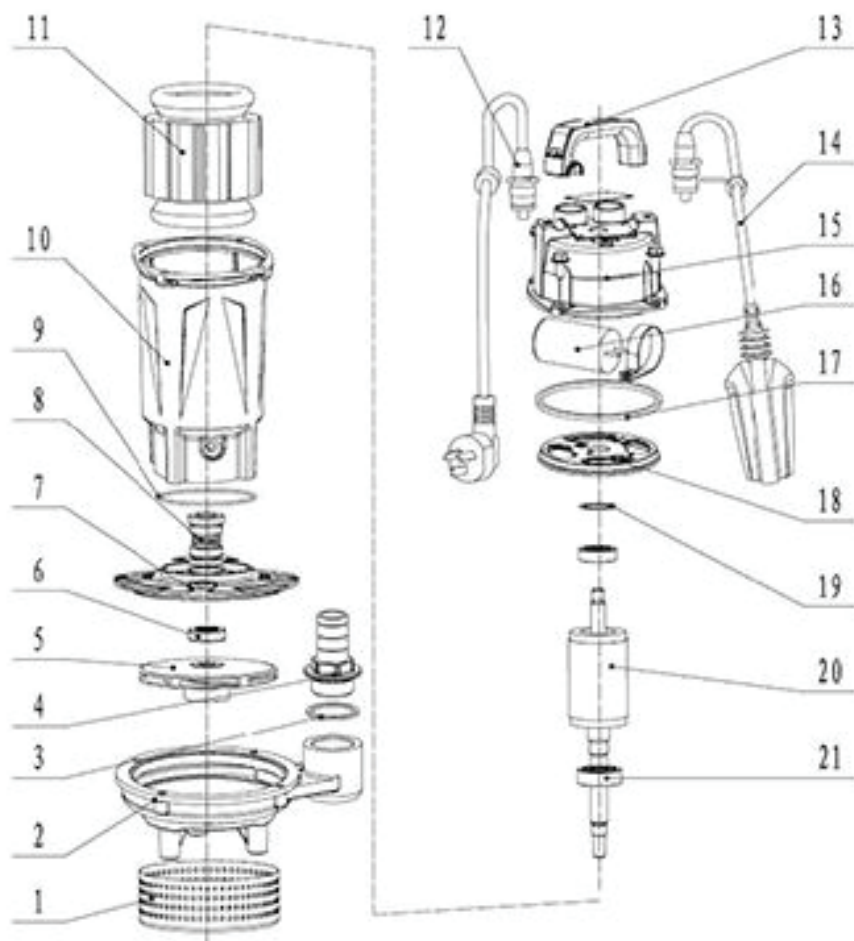
● Model Name :

FDA50/30-22/1500mF

- FDA : FUJIKA Submersible Drainage Pump Series.
- 50 : Nominal discharge size.
- 30 : Flowrate range (m³/h)
- 22 : Head range (m)
- 1500 : Power (W).
- mF : Single-phase version with float switch.

Performance Curve





No	Description
1	Filter
2	Bearing
3	O-Ring
4	Outlet connector
5	Impeller
6	Oil seal
7	Cover of cylinder
8	Mechanical seal
9	O-Ring
10	Motor casing
11	Stator
12	Cable assembly
13	Handle
14	Float switch
15	Top cover
16	Capacitor
17	O-Ring
18	End cover
19	wave spring pad
20	Rotor
21	Bearing