

● FDA25/3-12/250mF

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				
FDA25/3-12/250mF	0.25	0.33	4	12	1x220V	1

● 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 :

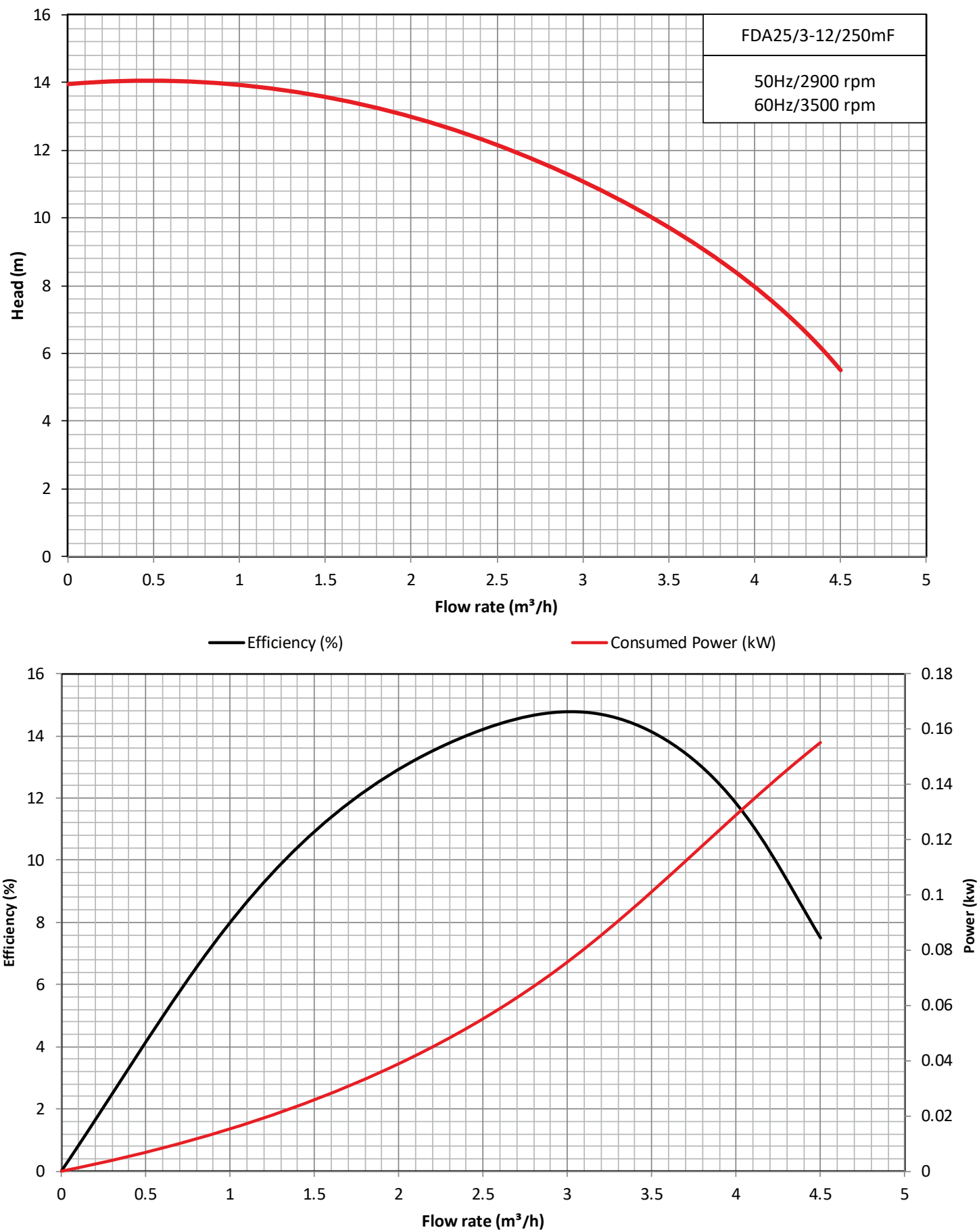
- Install vertically in a sump, pit or tank on a firm and stable base.
- Keep the suction strainer clear of sediment and surrounding obstructions.
- Allow sufficient clearance for unrestricted float switch movement where fitted.
- Do not exceed the specified immersion depth or lift the pump by its power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

● Model Name :

FDA25/3-12/250mF

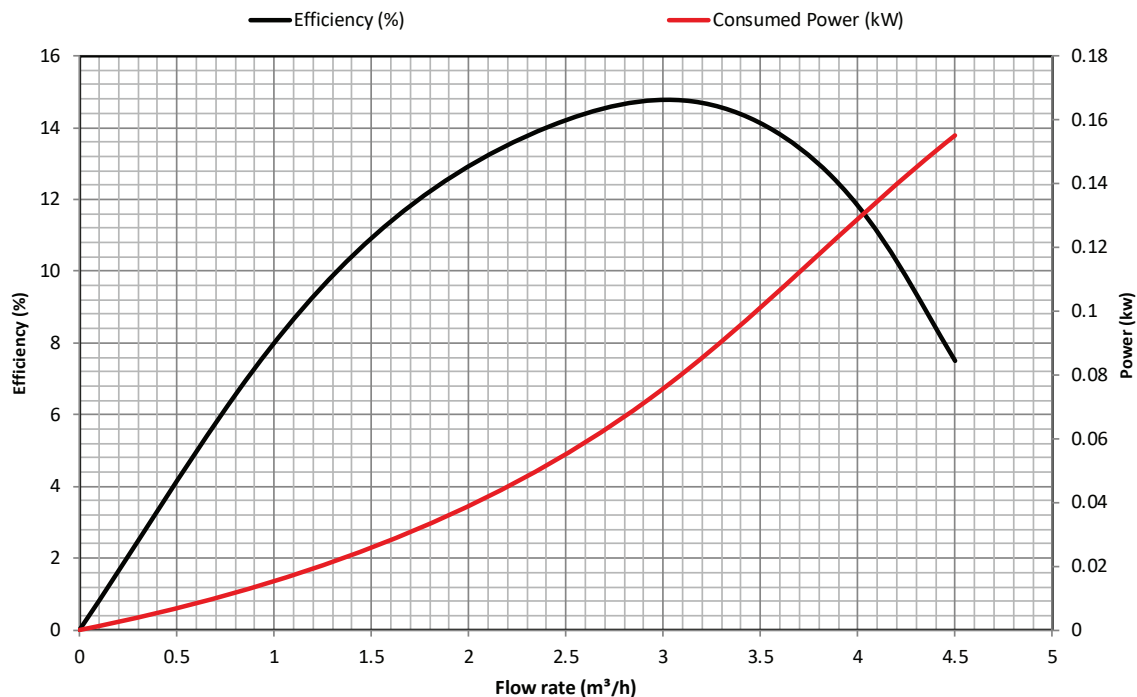
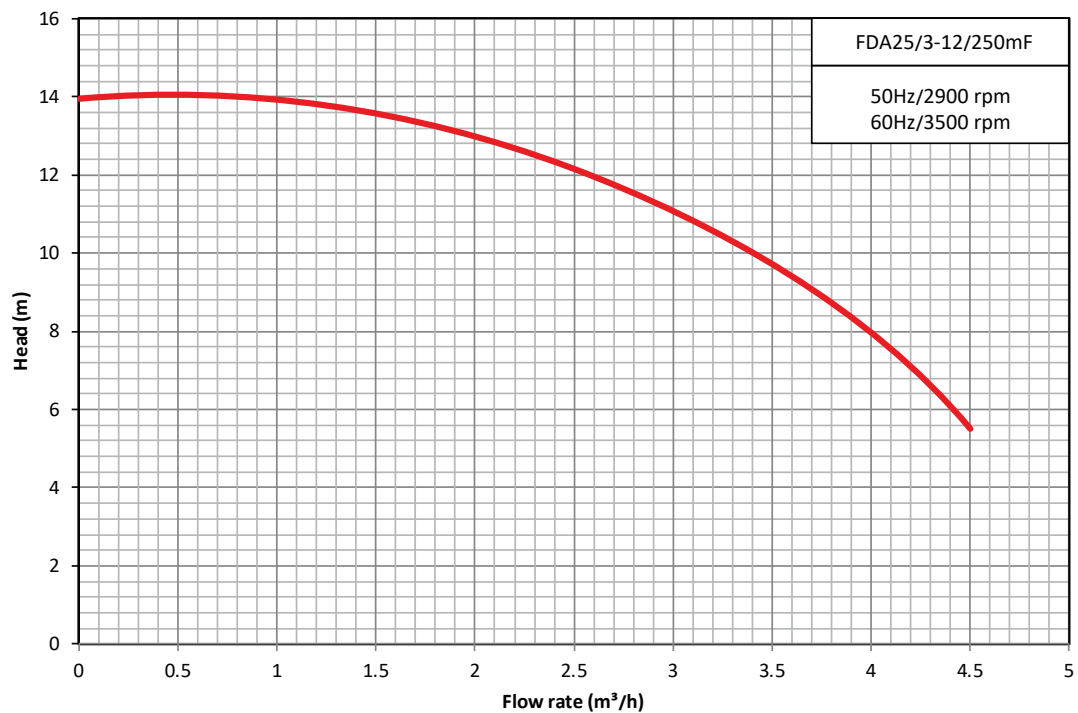
- FDA : FUJIKA Submersible Drainage Pump Series.
- 25 : Nominal discharge size.
- 3 : Flowrate range (m³/h)
- 12 : Head range (m)
- 250 : Power (W).
- mF: Single-phase version with float switch.

Performance Curve

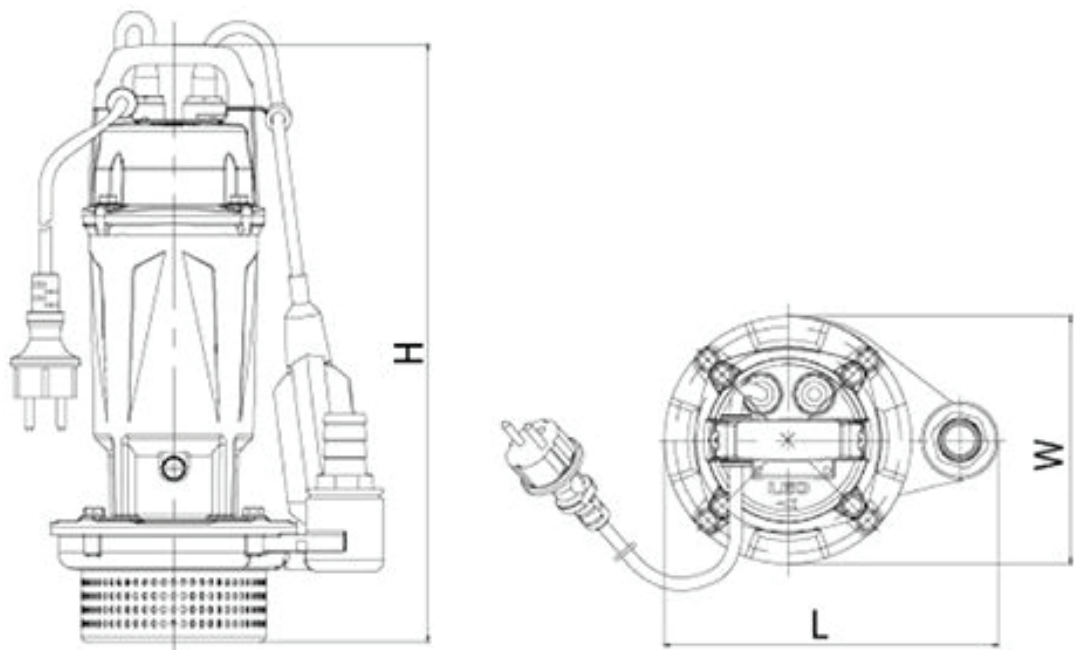


Test Report
FDA25/3-12/250mF

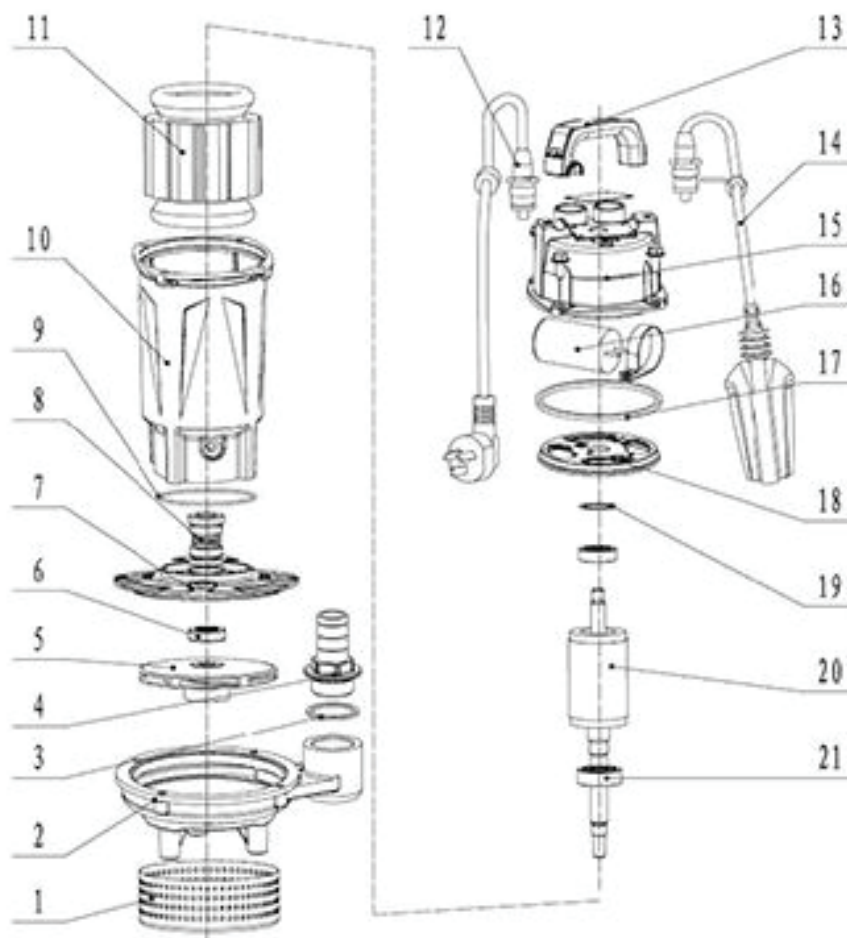
No.	Flow rate (m³/h)	Head (meter)	Volt (V)	Amps (A)	Power (P1)	Factor (cos)	Speed (rpm)	EFF (n%)
1	0.00	14.140	110.0	3.520	306.50	0.79	3452.0	0.00
2	1.01	13.930	110.0	3.680	334.90	0.83	3432.0	11.60
3	1.51	13.530	110.1	3.790	348.90	0.84	3412.0	15.60
4	2.00	12.710	109.9	3.900	364.20	0.85	3405.0	19.00
5	3.01	10.670	110.0	4.150	400.60	0.88	3397.0	21.60
6	4.00	7.200	110.1	4.380	430.60	0.89	3337.0	18.30
7	4.52	4.960	110.0	4.530	450.20	0.90	3322.0	13.50



Dimentions



Model	Dimensions (mm)		
	H	L	W
FDA25/3-12/250mF	310	175	91



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

● FDA25/4-17/370mF

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				
FDA25/4-17/370mF	0.37	0.5	6.4	19	1x220V	1

● 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 :

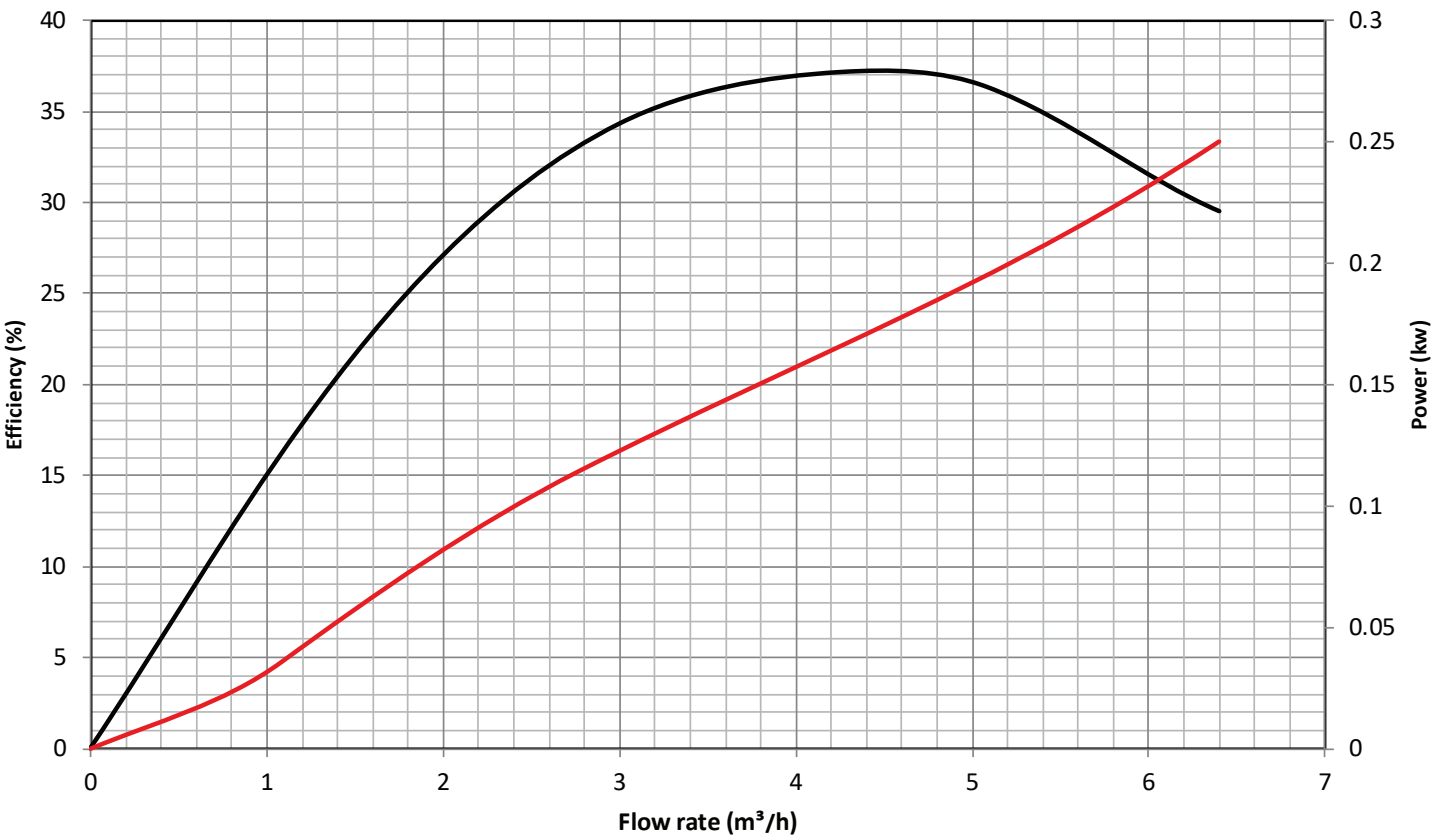
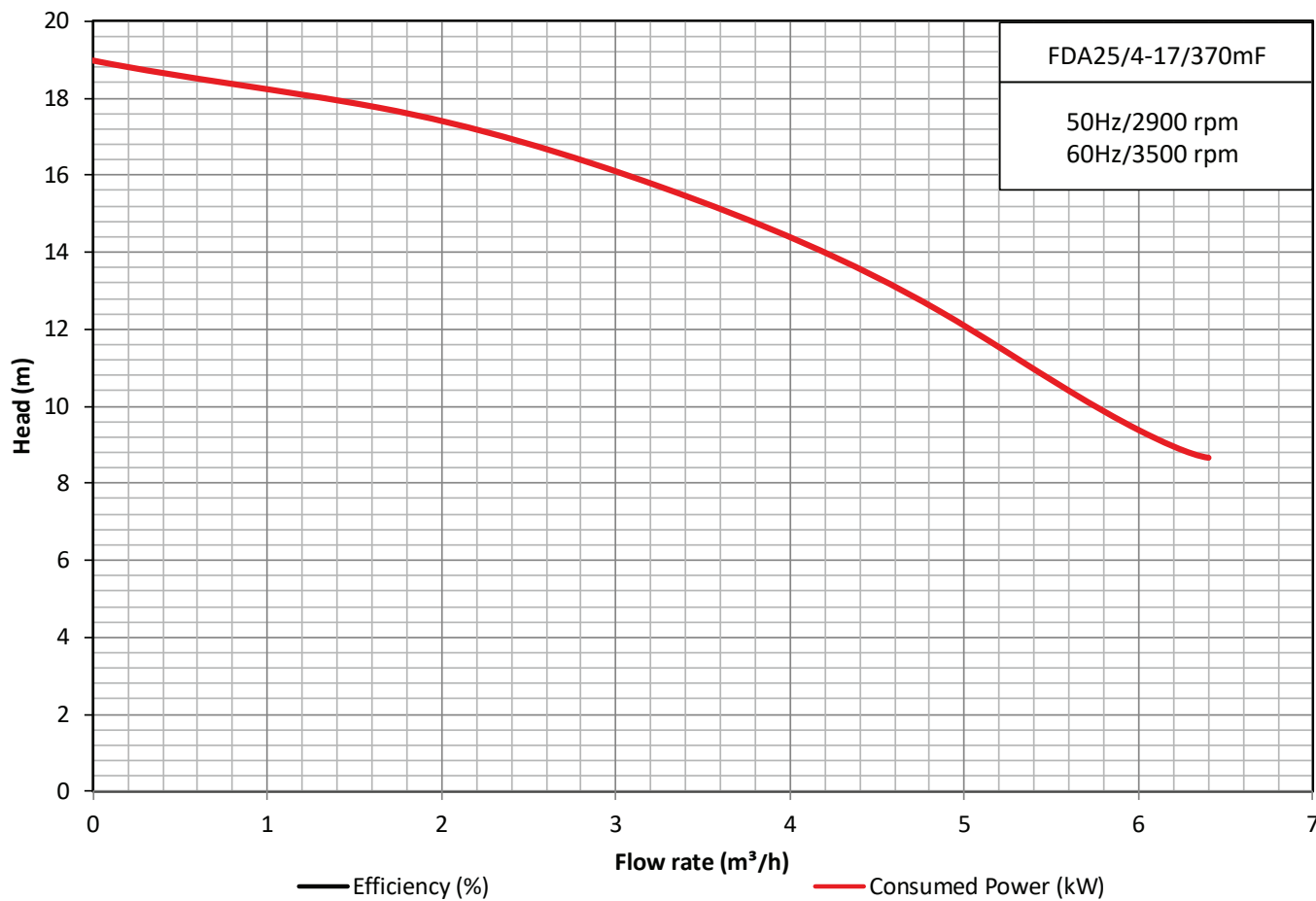
- Install vertically in a sump, pit or tank on a firm and stable base.
- Keep the suction strainer clear of sediment and surrounding obstructions.
- Allow sufficient clearance for unrestricted float switch movement where fitted.
- Do not exceed the specified immersion depth or lift the pump by its power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

● Model Name :

FDA25/4-17/370mF

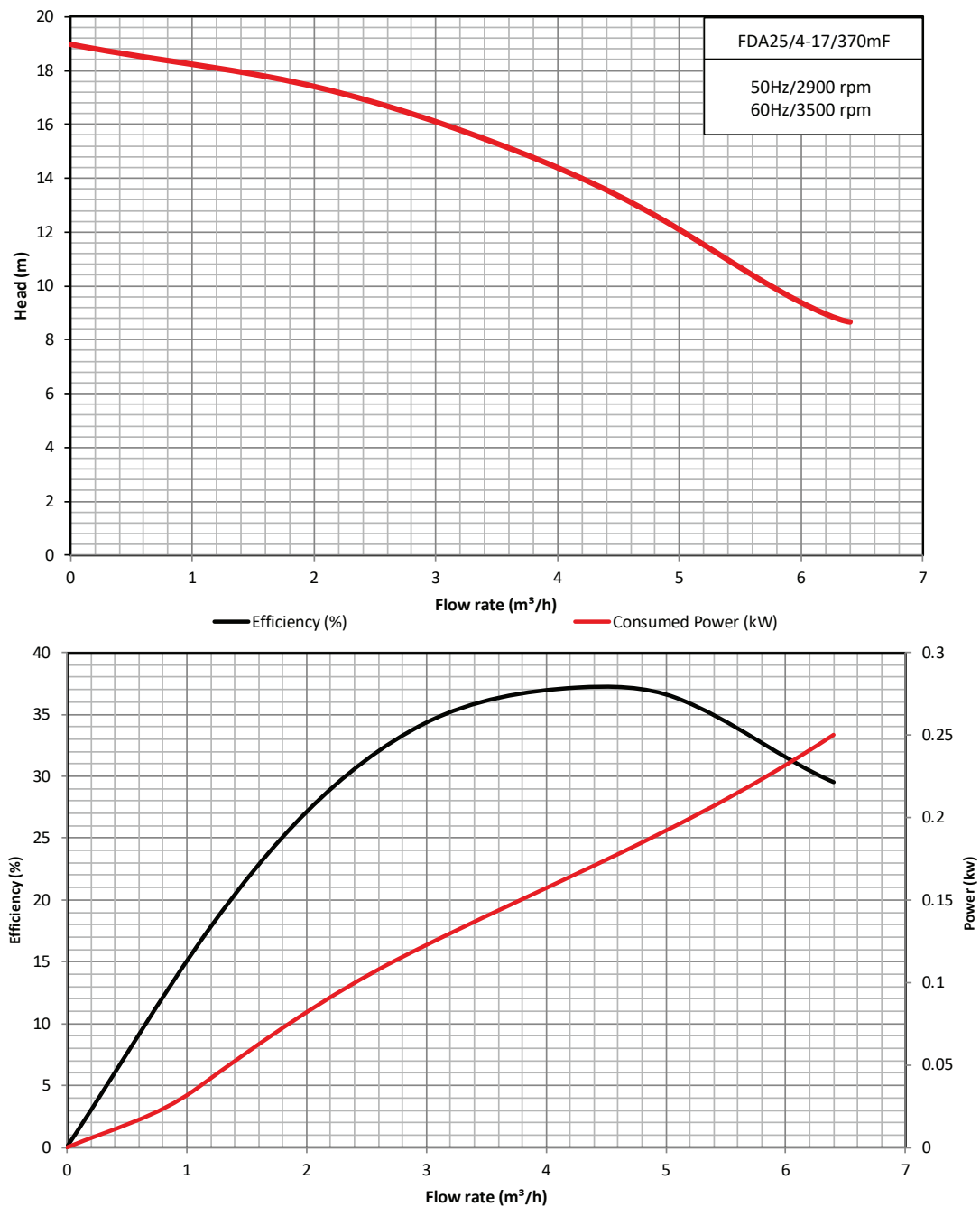
- FDA : FUJIKA Submersible Drainage Pump Series.
- 25 : Nominal discharge size.
- 4 : Flowrate range (m³/h)
- 17 : Head range (m)
- 370 : Power (W).
- mF: Single-phase version with float switch.

Performance Curve

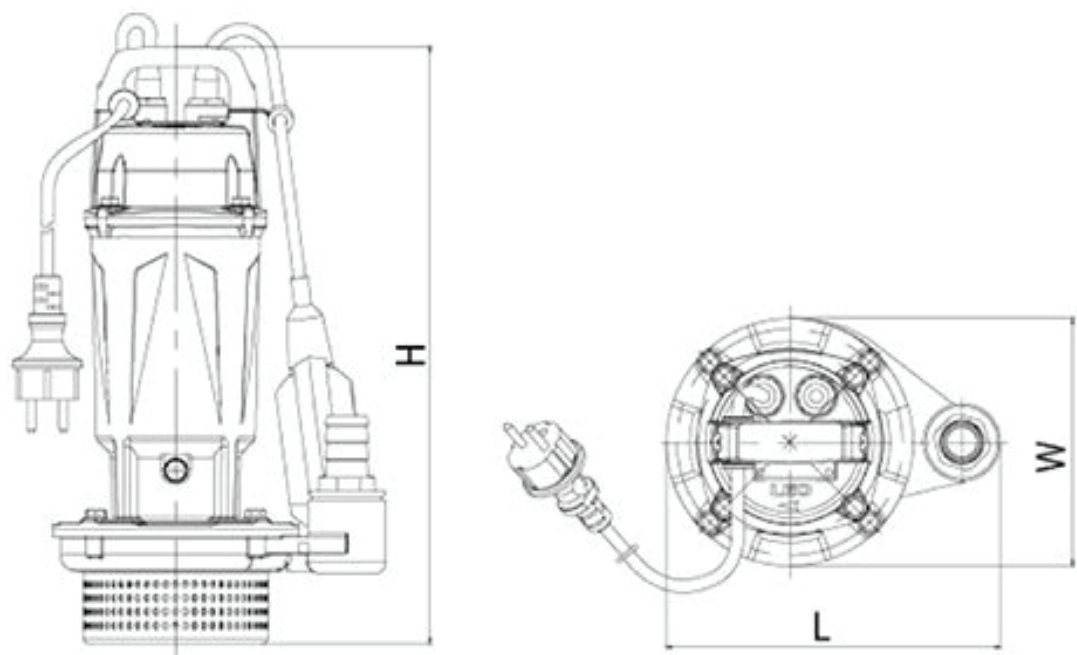


Test Report
FDA25/4-17/370mF

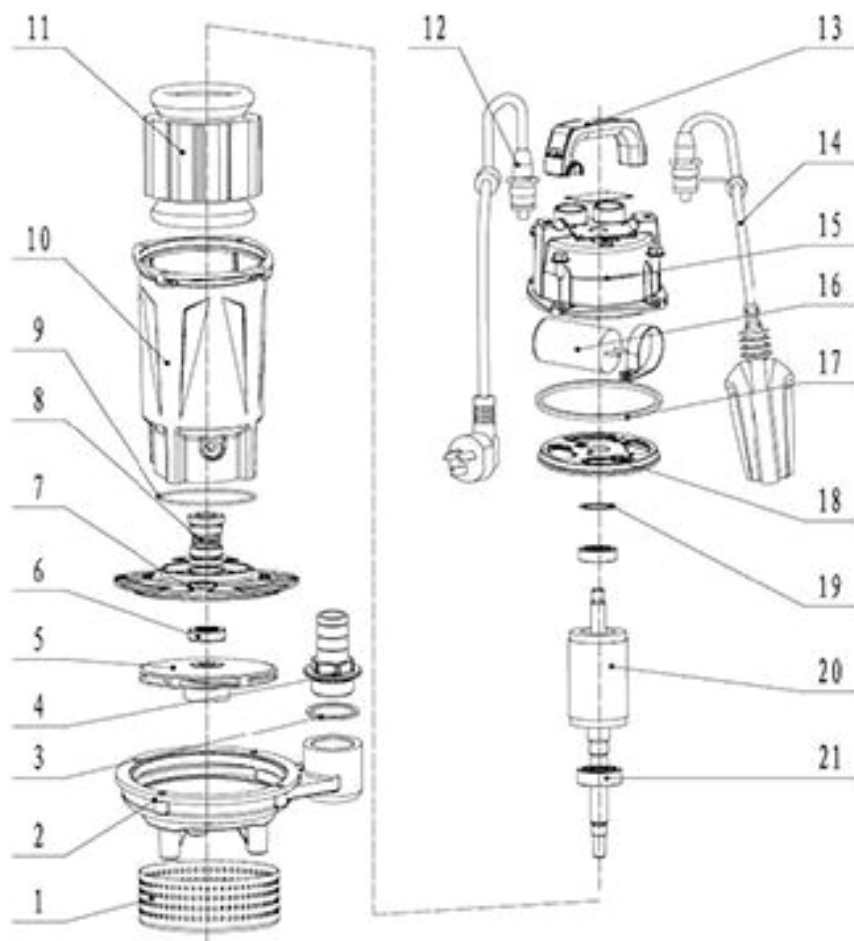
Measured Data						Performance Data				
No.	InletPre. (kPa)	OutletPre. (kPa)	Flow Rate (m³/h)	Rotate spe. (r/min)	Voltage (V)	Currency (A)	Motor Pow Input (Watt)	Flow Rate (m³/h)	Head (m)	Pump Eff.(%)
1	0.00	170.00	0.00	3442.8	126.2	3.63	0.434	0.00	18.34	0.00
2	0.00	167.00	1.00	3423.6	126.1	3.99	0.479	1.00	18.05	15.09
3	0.00	165.00	1.50	3405.0	126.2	4.12	0.497	1.50	17.87	21.60
4	0.00	162.00	2.01	3386.4	126.1	4.34	0.523	2.01	17.59	27.07
5	0.00	147.00	3.07	3349.2	126.1	4.77	0.578	3.07	16.15	34.35
6	0.00	127.00	4.09	3343.2	126.1	5.21	0.631	4.09	14.23	36.93
7	0.00	106.00	5.02	3278.4	126.1	5.55	0.671	5.02	12.22	36.62
8	0.00	75.00	6.08	3228.0	126.1	6.02	0.731	6.08	9.25	30.82
9	0.00	69.00	6.29	3215.4	126.1	6.11	0.742	6.29	8.68	29.48



Dimentions



Model	Dimensions (mm)		
	H	L	W
FDA25/4-17/370mF	340	190	99



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

● FDA25/5-32/750mF

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				
FDA25/5-32/750mF	0.75	1	8	36	1X220V	1

● 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 :

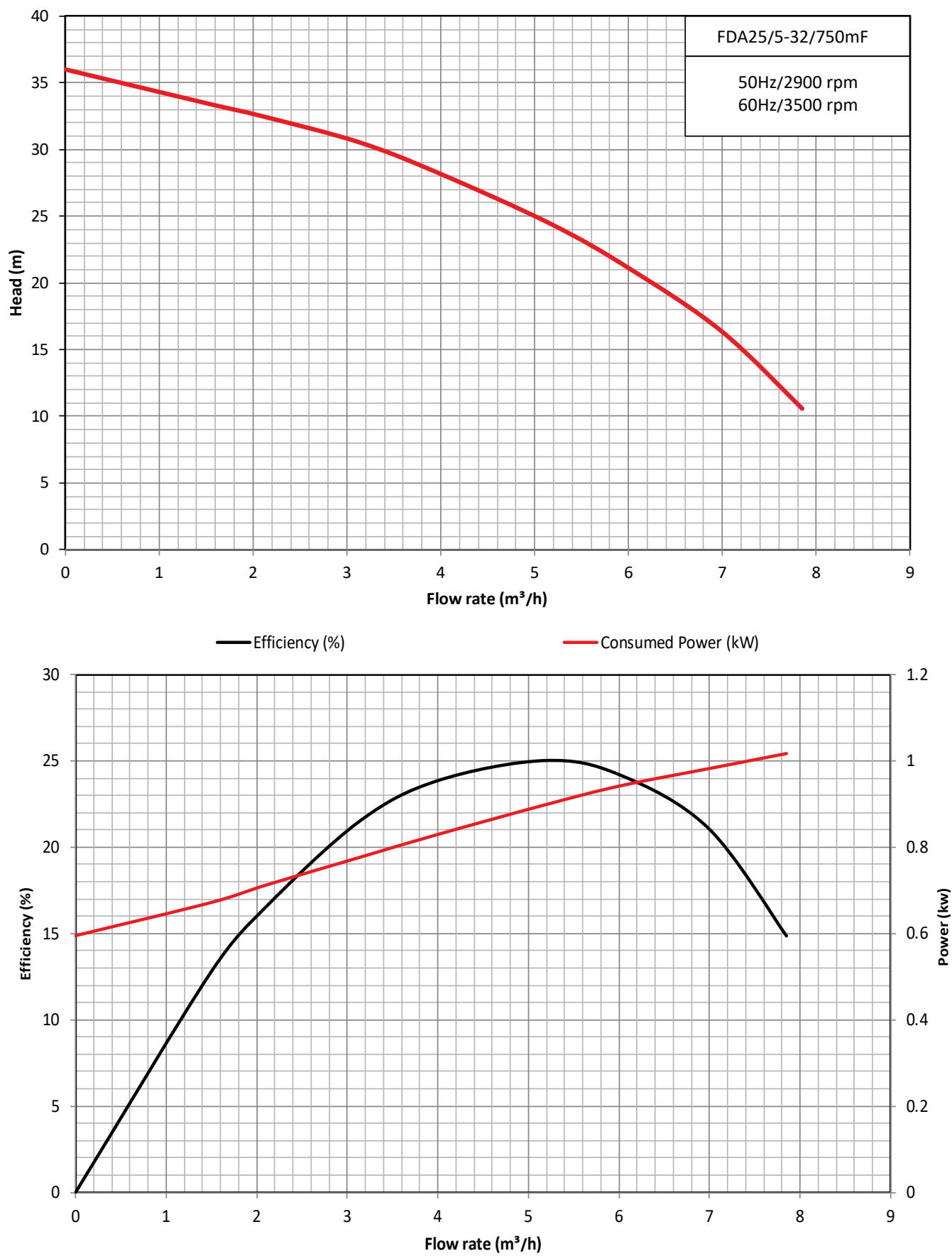
- Install vertically in a sump, pit or tank on a firm and stable base.
- Keep the suction strainer clear of sediment and surrounding obstructions.
- Allow sufficient clearance for unrestricted float switch movement where fitted.
- Do not exceed the specified immersion depth or lift the pump by its power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

● Model Name :

FDA25/5-32/750mF

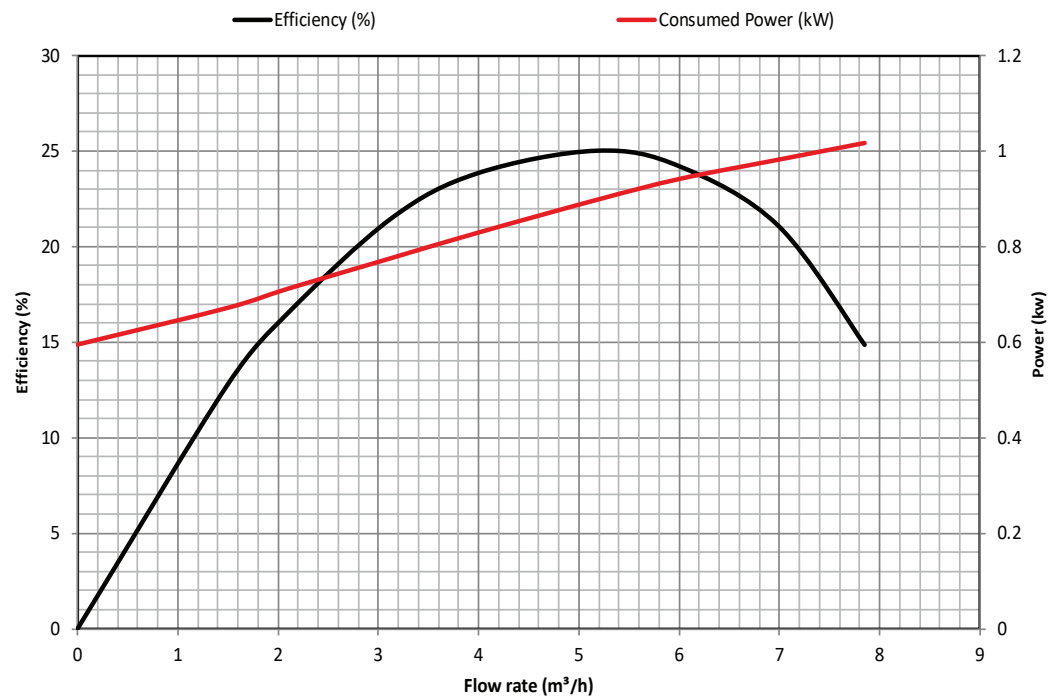
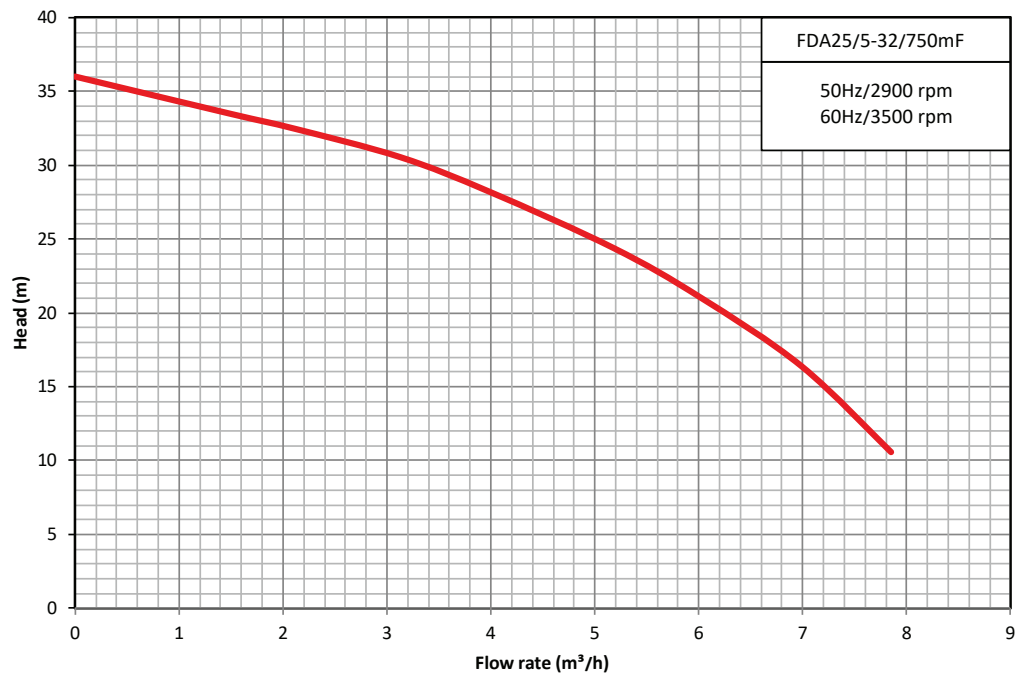
- FDA : FUJIKA Submersible Drainage Pump Series.
- 25 : Nominal discharge size.
- 5 : Flowrate range (m³/h)
- 32 : Head range (m)
- 750 : Power (W).
- mF: Single-phase version with float switch.

Performance Curve

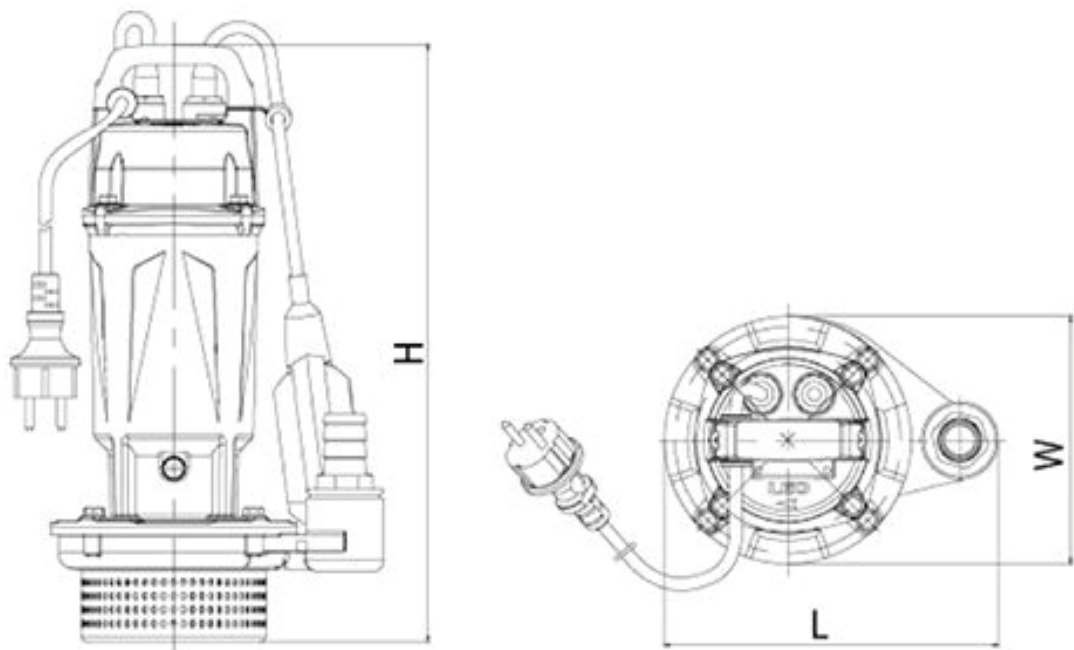


Test Report
FDA25/5-32/750mF

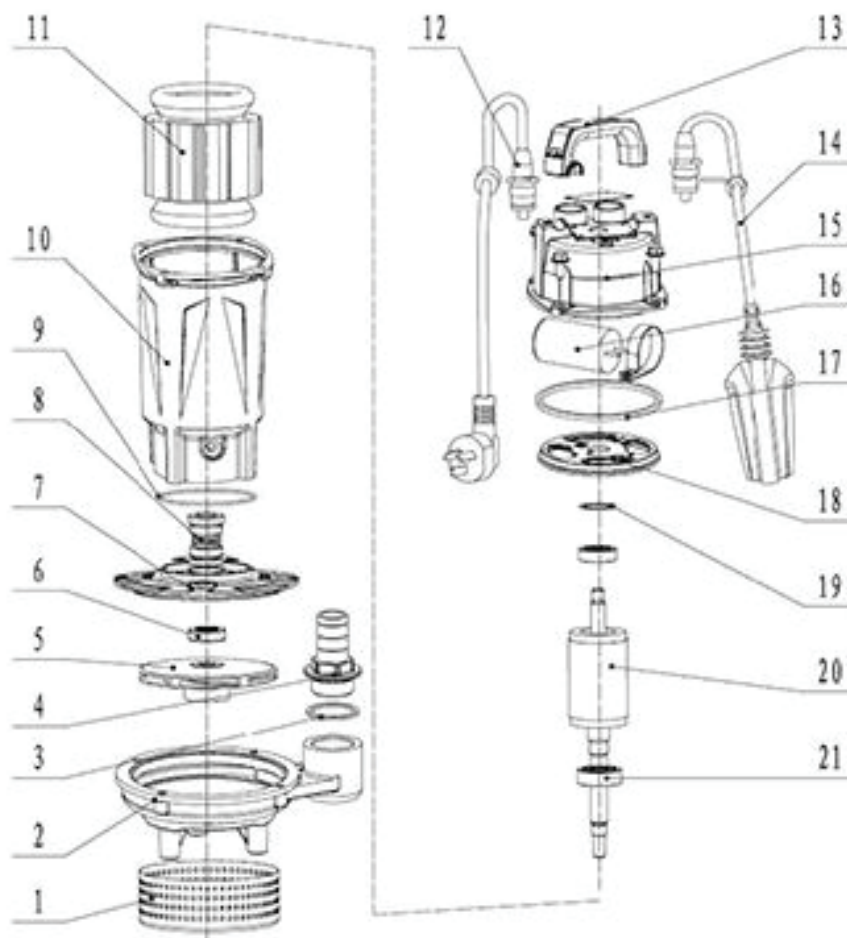
Measured Data							Performance Data					
No.	InletPre. (kPa)	OutletPre. (kPa)	Flow Rate (m³/h)	Rotate spe. (r/min)	Voltage (V)	Currency (A)	Motor Pow Input (kw)	Flow Rate (m³/h)	Head (m)	Pump pow. Output (kw)	Overall Eff.(%)	Pump Eff.(%)
1	0.00	340.00	0.00	3505.8	218.0	4.86	0.961	0.00	35.68	0.595	0.00	0.00
2	0.00	329.00	0.08	3505.2	218.0	5.04	1.000	0.08	34.56	0.620	0.75	1.16
3	0.00	318.00	1.50	3488.4	218.0	5.34	1.068	1.50	33.47	0.672	12.80	19.70
4	0.00	308.00	2.10	3480.0	218.0	5.55	1.124	2.10	32.49	0.712	16.53	25.43
5	0.00	288.00	3.13	3466.8	218.0	5.94	1.212	3.13	30.54	0.776	21.48	33.04
6	0.00	264.00	3.99	3459.0	218.0	6.25	1.285	3.99	28.19	0.829	23.84	36.67
7	0.00	225.00	5.18	3444.6	218.1	6.65	1.375	5.18	24.39	0.898	25.02	38.49
8	0.00	191.00	6.01	3431.4	218.0	6.87	1.426	6.01	21.07	0.942	24.19	37.21
9	0.00	143.00	6.99	3426.0	218.0	7.12	1.479	6.99	16.38	0.982	21.09	32.44
10	0.00	84.00	7.85	3417.6	218.0	7.31	1.521	7.85	10.57	1.017	14.86	22.86



Dimentions



Model	Dimensions (mm)		
	H	L	W
FDA25/5-32/750mF	380	240	125



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

● FDA25/7-40/1100mF

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				
FDA25/7-40/1100mF	1.1	1.5	8.2	41	1x220V	1

● 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 :

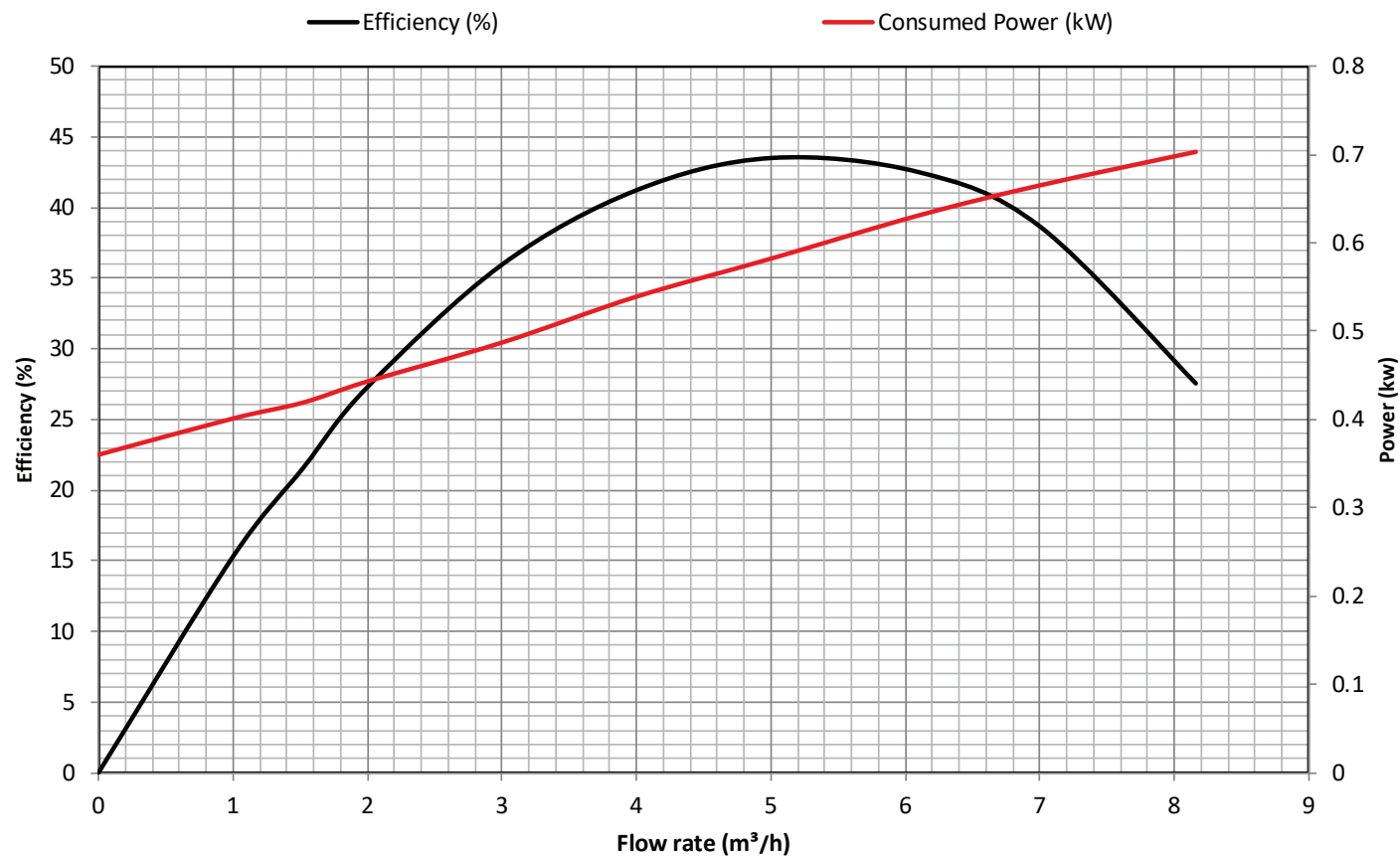
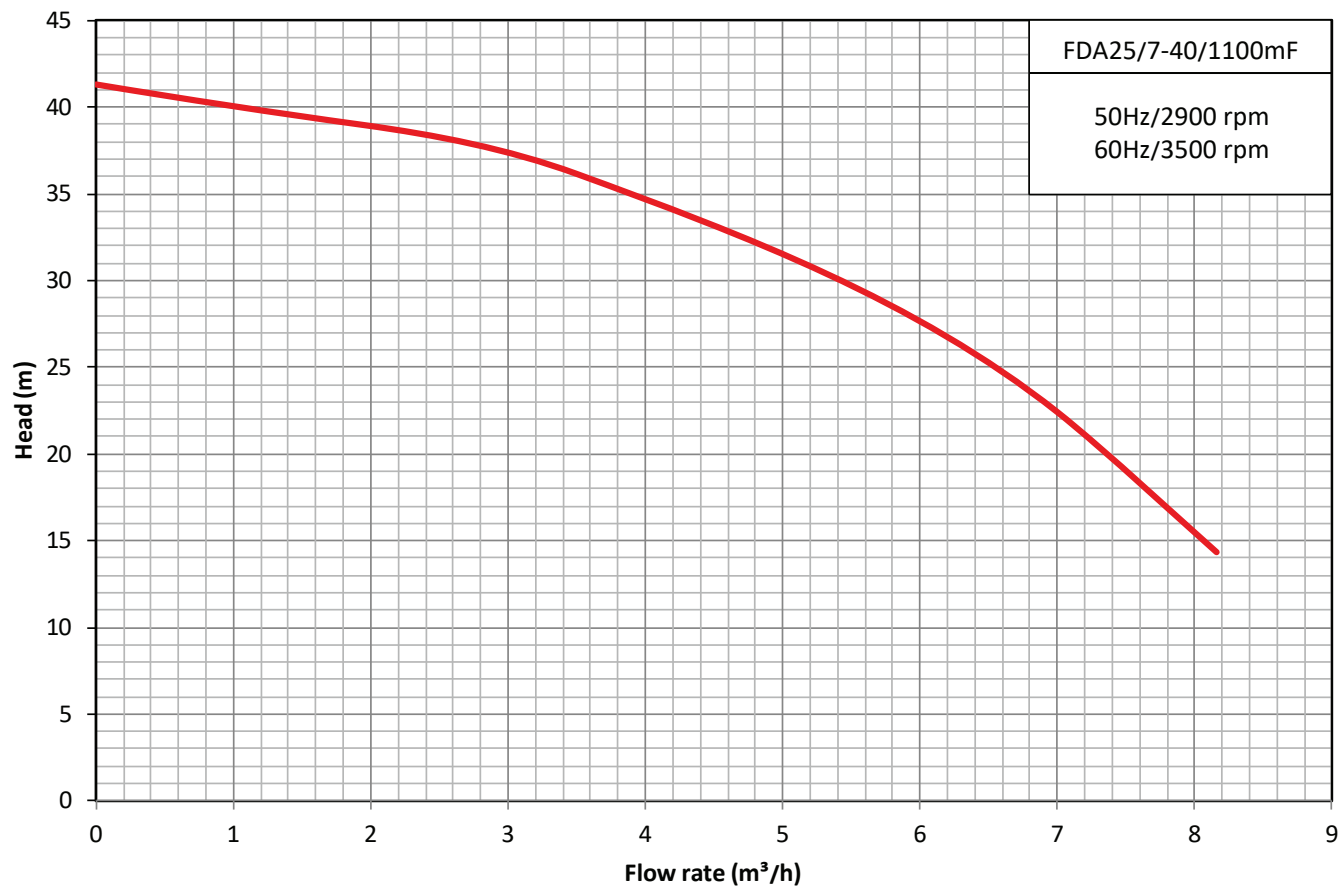
- Install vertically in a sump, pit or tank on a firm and stable base.
- Keep the suction strainer clear of sediment and surrounding obstructions.
- Allow sufficient clearance for unrestricted float switch movement where fitted.
- Do not exceed the specified immersion depth or lift the pump by its power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

● Model Name :

FDA25/7-40/1100mF

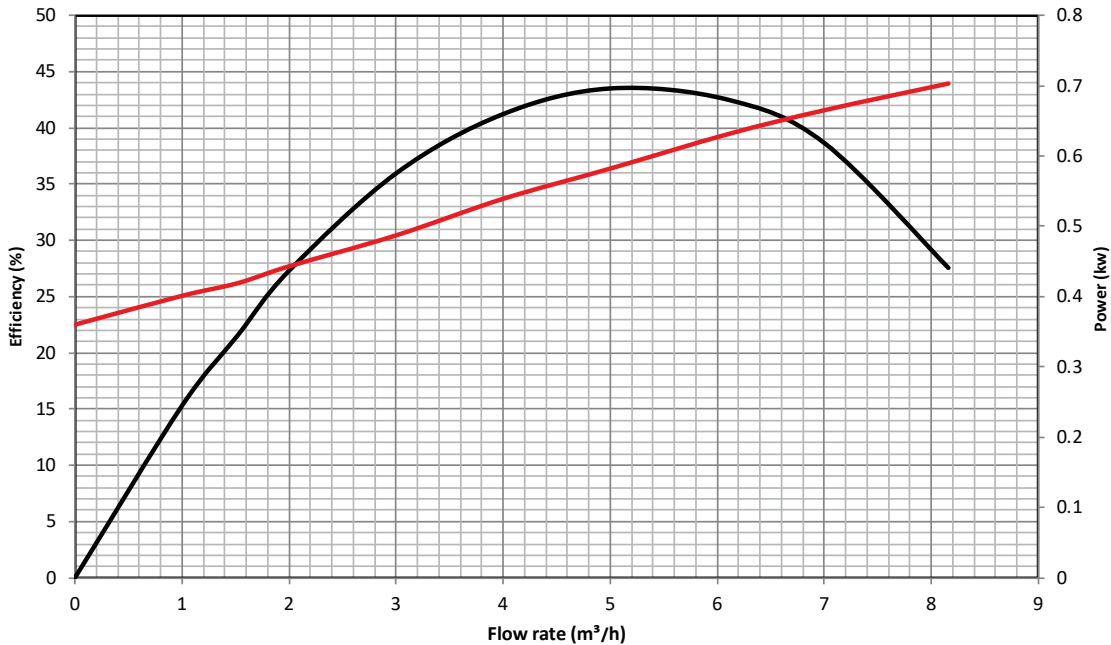
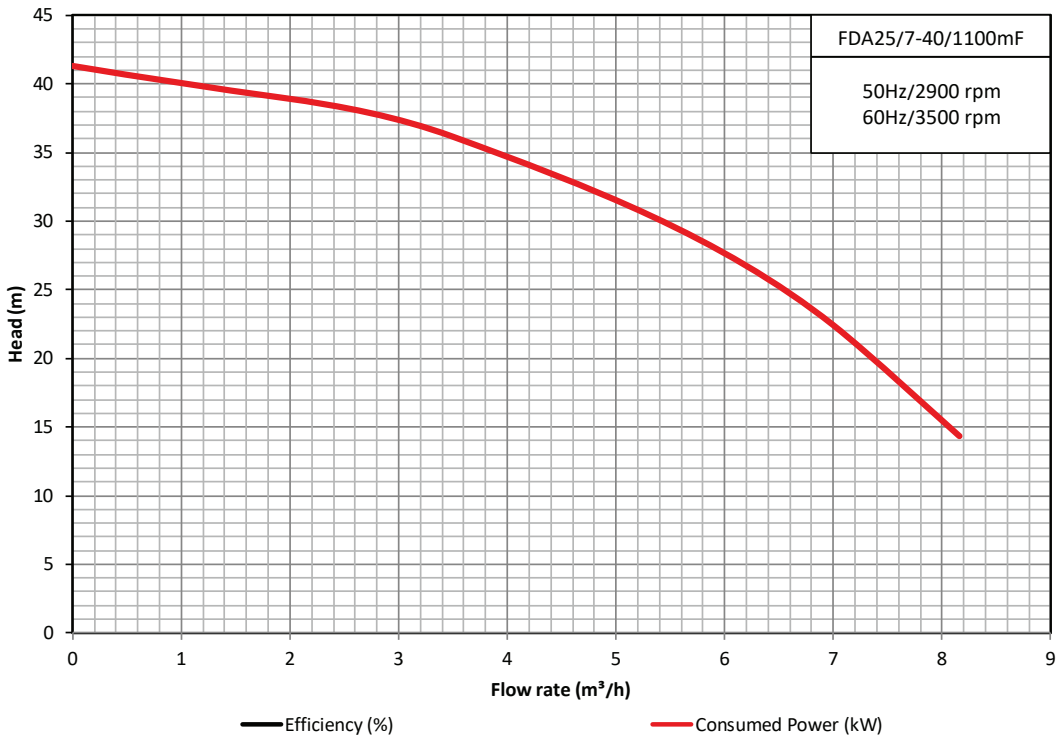
- FDA : FUJIKA Submersible Drainage Pump Series.
- 25 : Nominal discharge size.
- 7 : Flowrate range (m³/h)
- 40 : Head range (m)
- 1100 : Power (W).
- mF: Single-phase version with float switch.

Performance Curve

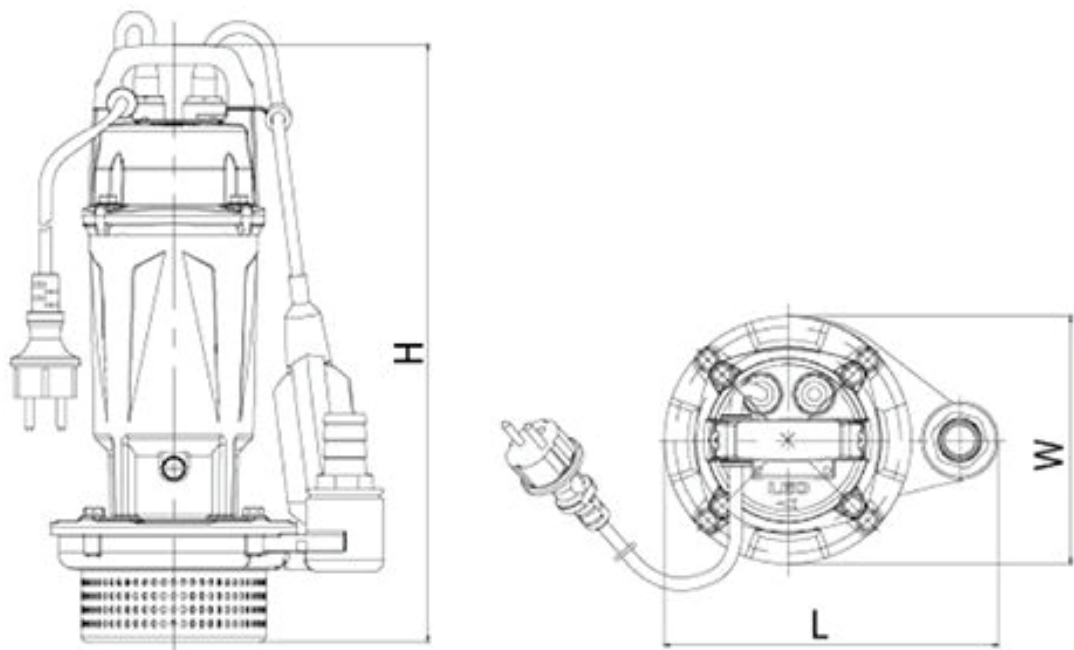


Test Report
FDA25/7-40/1100mF

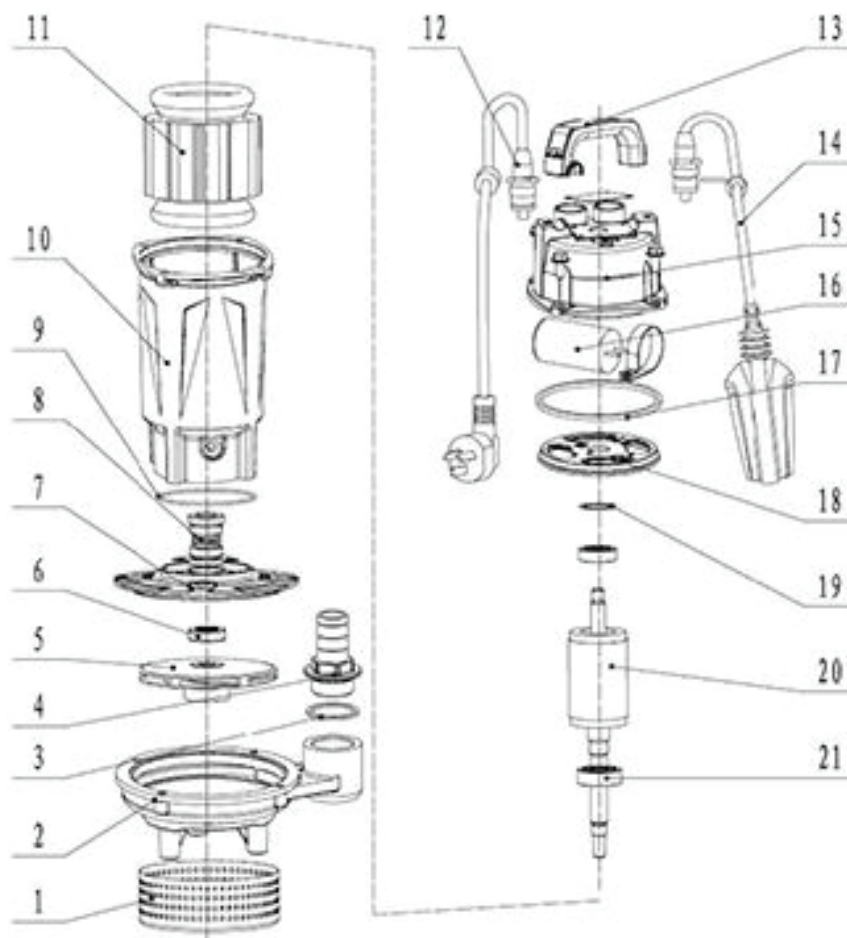
Measured Data							Performance Data					
No.	InletPre. (kPa)	OutletPre. (kPa)	Flow Rate (m³/h)	Rotate spe. (r/min)	Voltage (V)	Currency (A)	Motor Pow Input (kw)	Flow Rate (m³/h)	Head (m)	Pump pow. Output (kw)	Overall Eff.(%)	Pump Eff.(%)
1	0.00	403.00	0.00	3499.8	214.2	5.23	1.014	0.00	41.31	0.360	0.00	0.00
2	0.00	390.00	1.01	3476.4	214.0	5.62	1.107	1.01	40.00	0.401	9.94	15.29
3	0.00	383.00	1.52	3479.4	213.9	5.87	1.162	1.52	39.30	0.419	14.00	21.54
4	0.00	379.00	2.04	3470.4	214.1	6.12	1.219	2.04	38.93	0.443	17.74	27.29
5	0.00	364.00	3.02	3453.6	213.9	6.58	1.319	3.02	37.48	0.487	23.37	35.95
6	0.00	334.00	4.09	3434.4	213.8	7.10	1.436	4.09	34.54	0.539	26.79	41.22
7	0.00	304.00	5.03	3421.2	213.7	7.54	1.532	5.03	31.62	0.582	28.27	43.50
8	0.00	259.00	6.10	3403.8	213.6	8.01	1.637	6.10	27.23	0.631	27.63	42.50
9	0.00	210.00	7.02	3391.2	213.6	8.36	1.706	7.02	22.42	0.665	25.13	38.66
10	0.00	128.00	8.16	3377.4	213.5	8.70	1.780	8.16	14.34	0.703	17.91	27.55



Dimentions



Model	Dimensions (mm)		
	H	L	W
FDA25/7-40/1100mF	422	284	148



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