

EAF-433N



EAF-435N



EAF-447N



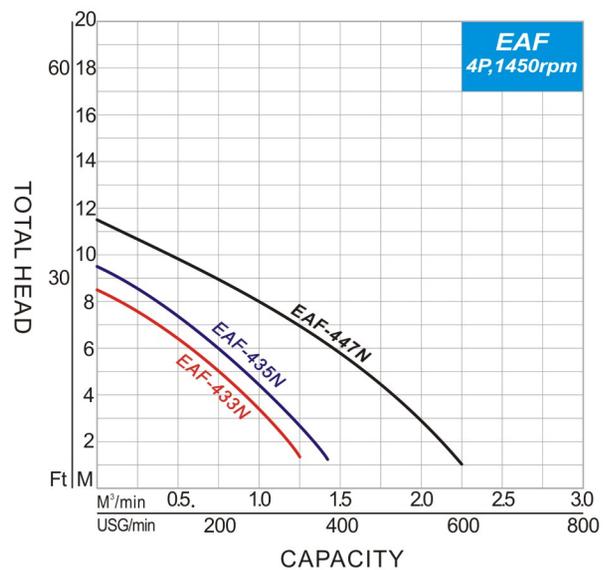
Features

1. Equipped with weatherproof and waterproof cable. Wiring and core wire are impregnated with EPOXY. Not only avoid the moist going into the motor, but also leakage-proof and moisture-proof.
2. All series motors are equipped with dry motor of 3-phase and 4 poles, coil of class F isolation. It is the character of overheat-resistant and perfect isolation. Enclosure is IP68 grade of protection.
3. The material of silicon carbide has the character of mud-resistant and excellent lubrication system and is good for long-time running. The dual enclosed structure has a diaphragm; it is preventing strongly from leaking.
4. Pump is equipped with the motor overload protector and will shut itself off automatically to prevent from overheating whenever its voltage drop, impeller plugged, the draining line is below the pump's watermark and other unusual conditions.
5. Pump is coated with thick EPOXY. It is better corrosion-resisting and rust-resisting than common paint; prevent the surface of pump from rusting.
6. Pump is equipped with the motor overload protector and will shut itself off automatically to prevent from overheating whenever its voltage drop, impeller plugged, the draining line is below the pump's watermark and other unusual conditions.
7. There are 3 kinds of impellers as the pictures. You can select close semi-open, closed and non-clogging. Suitable model will help you to do with properly all kind drainage of waste water or sewage.

Applications

1. Building waste water treatment system, sewage treatment plant, community market, sanitary sewer.
2. Drainage waste water from paper industry, dyeing industry, foodstuff industry, leather industry and iron and steel industry.
3. Fishery, animal husbandry, dairy farm, piggery, fecal sewage tank and industry water supply. Other sewage or sump treatment system.

Performance Curves



Specification

Impeller TYPE	Model	Cycle Hz	Phase PH	Rated Voltage VOLT	Starting	Output		Diameter		Pole P	Rated Head M	Rated Flow M³/min	Max. Head M	Max. Flow M³/min	N.W. KG	Solid Passage mm
						HP	KW	Inch	mm							
Non-Clogging Impeller	EAF-433N	50	3Ø	Y / 220~240 Y / 380~415	Direct	3	2.2	3"	80	4P	6M	0.6	8.5M	1.30	71	57
	EAF-435N	50	3Ø	Y / 220~240 Y / 380~415	Direct	5	3.7	3"	80	4P	6M	0.7	9.5M	1.60	75	42
	EAF-447N	50	3Ø	Y / 220~240 Y / 380~415	Direct	7½	5.5	4"	100	4P	8M	1.0	11.5M	2.30	143	65

EA4-433



EA4-435



**EA4-447C
EA4-4410C**

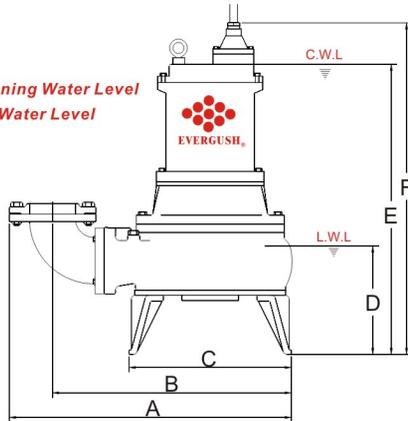


**EA4-4615C
EA4-4815C**



Dimension

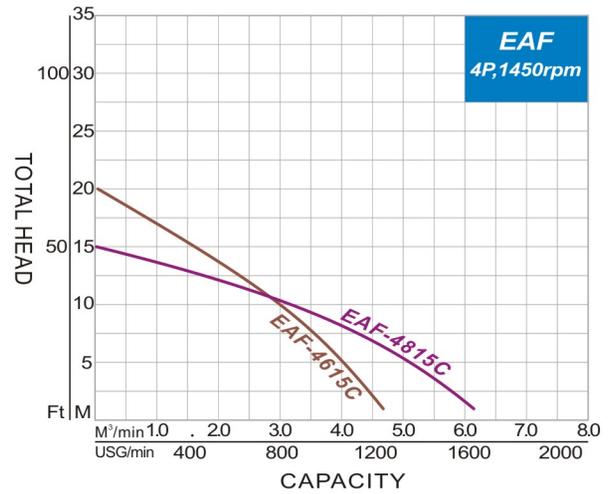
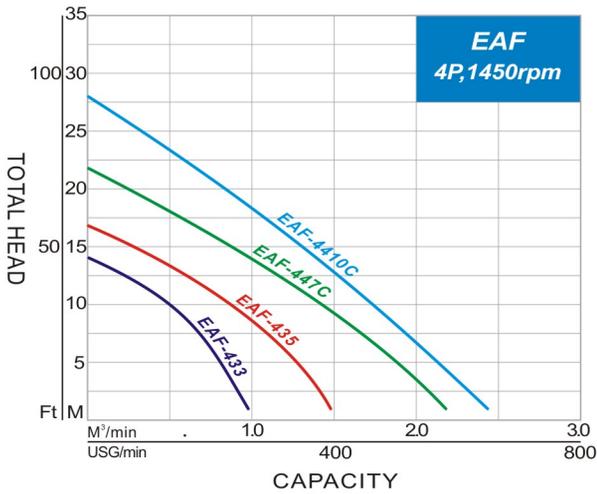
C.W.L: Continuously Running Water Level
L.W.L: Lowest Running Water Level



UNIT : mm

TYPE	A	B	C	D	E	F
EA4-433	315	450	540	205	580	650
EA4-435	325	495	600	230	630	700
EA4-447	395	580	685	260	700	800
EA4-4410	580	580	685	260	710	810
EA4-4615	860	720	450	315	890	995
EA4-4815	860	720	450	315	890	995

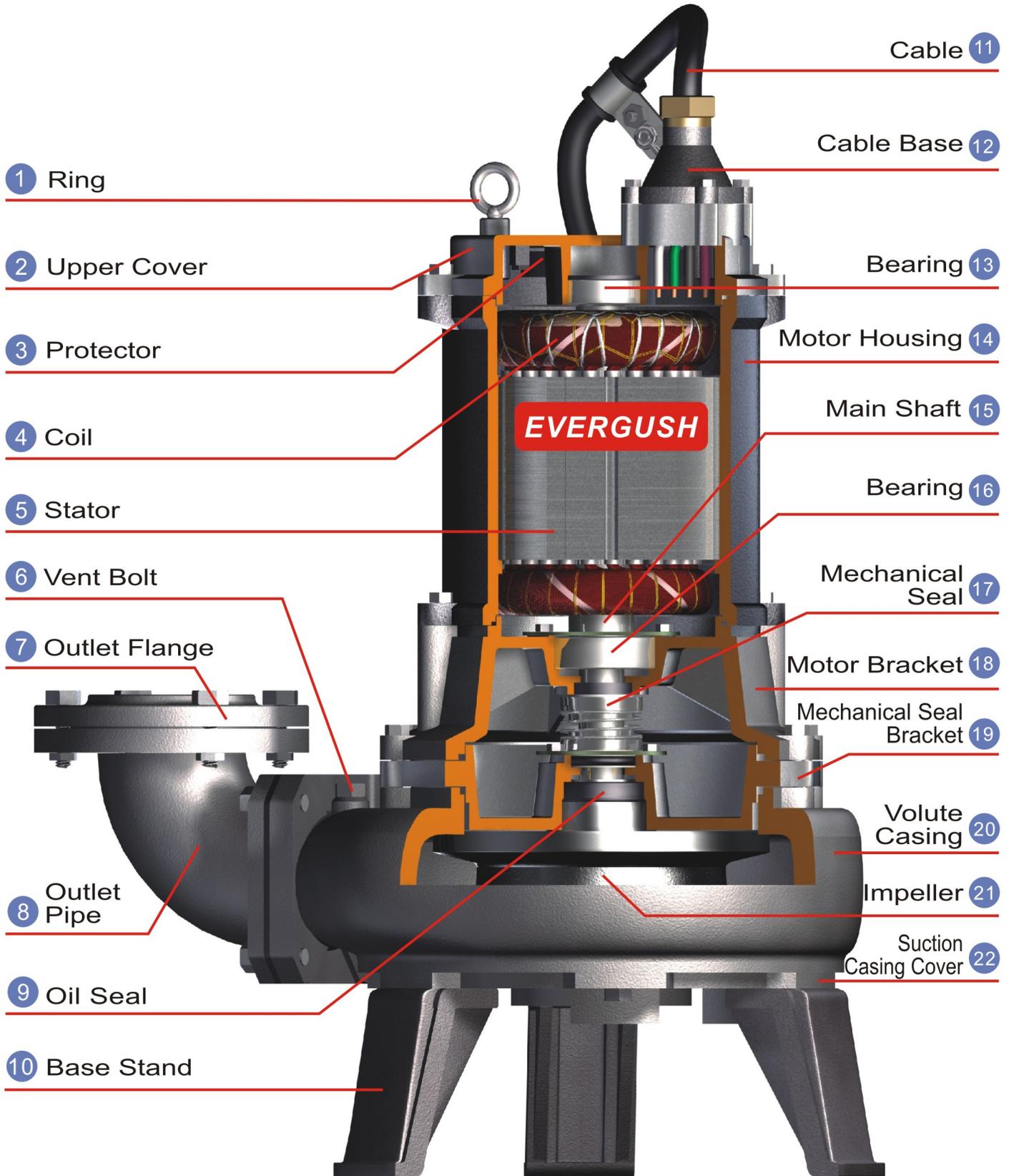
Performance Curves



Specification

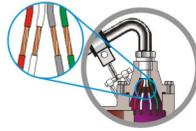
Impeller TYPE	Model	Cycle Hz	Phase PH	Rated Voltage VOLT	Starting	Output		Diameter		Pole	Rated Head M	Rated Flow M³/min	Max. Head M	Max. Flow M³/min	N.W. KG	Solid Passage mm
						HP	KW	Inch	mm							
Semi-open Impeller	EA4-433	50	3Ø	Y / 220-240 Y / 380-415	Direct	3	2.2	3"	80	4P	10M	0.5	14M	1.00	72	50
	EA4-435	50	3Ø	Y / 220-240 Y / 380-415	Direct	5	3.7	3"	80	4P	13M	0.5	17M	1.50	76	70
Channel Impeller	EA4-447C	50	3Ø	Y / 220-240 Y / 380-415	Direct	7½	5.5	4"	100	4P	14M	1.0	22M	2.20	145	48
	EA4-4410C	50	3Ø	Y / 220-240 Y / 380-415	Direct	10	7.5	4"	100	4P	18M	1.0	28M	2.50	150	48
	EA4-4615C	50	3Ø	Y-Δ/220-240 Y-Δ/380-415	Y-Δ	15	11	6"	150	4P	12M	2.5	20M	4.70	265	70
	EA4-4815C	50	3Ø	Y-Δ/220-240 Y-Δ/380-415	Y-Δ	15	11	8"	200	4P	7M	4.5	15M	6.20	270	80

▲ **Sectional Drawing**



▲ Main Parts

Waterproof cable base



Wiring and core wire are impregnated with EPOXY. Not only avoid the moist going into the motor, but also leakage-proof and moisture-proof.

Motor



All series motors are equipped with dry motor of 3-phase and 2poles or 4 poles, coil of class F isolation, IEC IP68 protection. It is the character of overheat-resistant and perfect isolation.

Silicon Carbide Mechanical Seal



The material of silicon carbide has the character of mud-resistant and excellent lubrication system and is good for long-time running. The dual enclosed structure has a diaphragm; it is preventing strongly from leaking.

Protector



Pump is equipped with the motor overload protector and will shut itself off automatically to prevent from overheating whenever its voltage drop, impeller plugged, the draining line is below the pump's watermark and other unusual conditions.

Ball Bearing



The selection of bearing is the high precision of import ball bearing. It is the character of high precision circumgyration, reduce the noise, vibration and friction, extend the life of bearing.

Surface Coating



Thick EPOXY coating is better corrosion-resistant and rust-resistant than common paint.

▲ Materials of construction

	Caliber	80mm, 100mm, 150mm, 200mm	
	Coating	Epoxy	
Liquid	Liquid Temp.	0 °C ~ 40 °C (32 °F ~ 104 °F)	
	Liquid Character	Waste water from industrial, agriculture, husbandry, building.	
	Max. Depth	▽30M	
Pump	Structure	Impeller	Non-Clogging impeller, Semi-open impeller, Channel impeller.
		Mechanical Seal	Dual Mechanical Seal
	Material	Upper Cover	ASTM A48(FC-200)
		Bearing	Heavy duty bearing
		Impeller	ASTM A48(FC-200)
		Volute Casing	ASTM A48(FC-200)
		Seal Bracket	ASTM A48(FC-200)
		Mechanical Seal	Lubricant
	Motor Side		Carbon / Ceramic
	Pump Side		Silicon Carbide / Silicon Carbide
Inner protector	Percipience Instrument of seal leakage		
Motor	Type	Submersible Dry Type	
	Insulation Class	F Class (155 °C)	
	Pole/Cycle/Phase/Vol.	4P / 50Hz / 3Φ / 220V~480V	
	Built-in protector	Auto motor overload protector	
	material	Casing	ASTM A48 (FC200)
		Main Shaft	AISI 410
Cable		VCT	