

EAF-433N



EAF-435N



EAF-447N



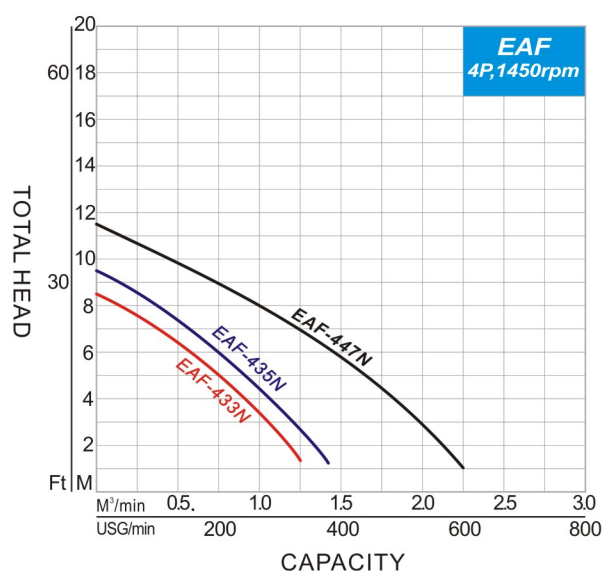
## Features

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	Phase	Rated Voltage	Starting	Output	Diameter	Pole	Rated Head	Rated Flow	Max. Head	Max. Flow	N.W.	Solid Passage
Impeller		Hz	PH	VOLT		HP KW	Inch mm	P	M	M³/min	M	M³/min	KG	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

**EAF-433**



**EAF-435**



**EAF-447C  
EAF-4410C**

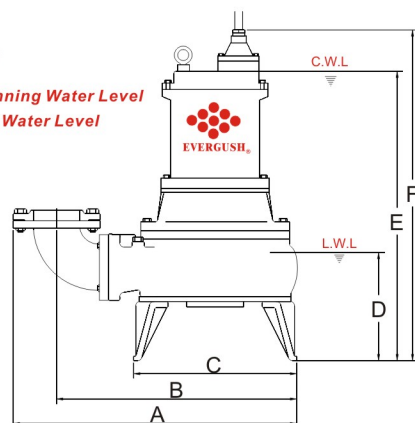


**EAF-4615C  
EAF-4815C**



## Dimension

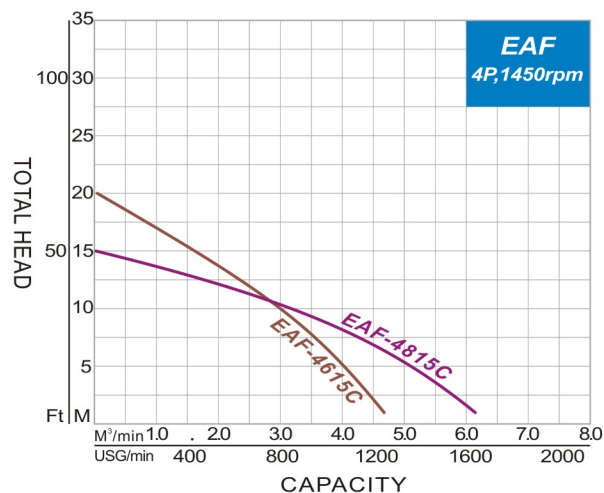
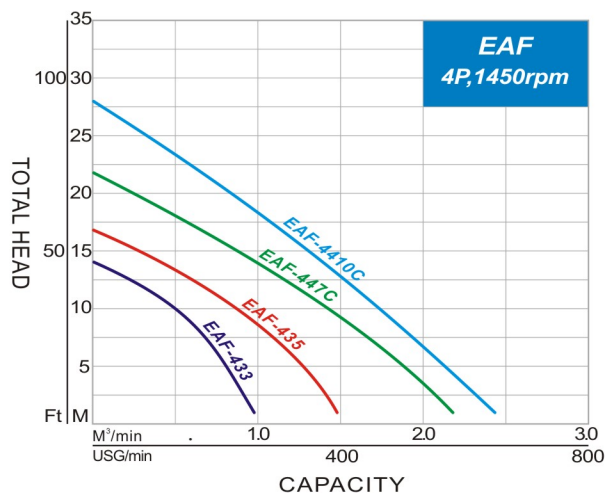
C.W.L: Continuously Running Water Level  
L.W.L: Lowest Running Water Level





UNIT : mm

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

## Performance Curves

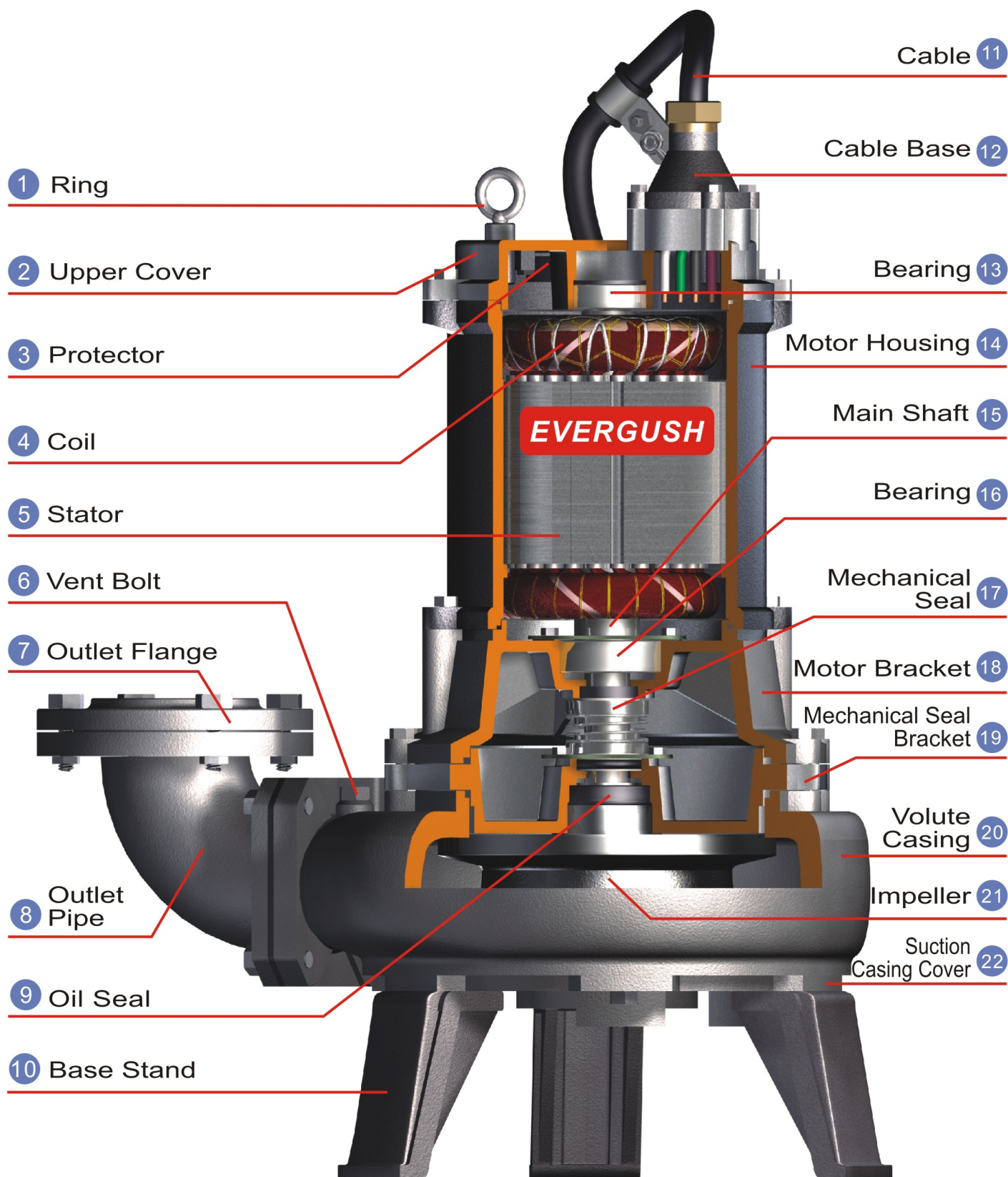


## Specification

Impeller TYPE	Model	Cycle	Phase	Rated Voltage	Starting	Output		Diameter		Pole	Rated Head	Rated Flow	Max. Head	Max. Flow	N.W.	Solid Passage
Impeller		Hz	PH	VOLT		HP	KW	Inch	mm	P	M	M³/min	M	M³/min	KG	mm
 Semi-open Impeller	EAF-433	50	3Ø	Y / 220~240 Y / 380~415	Direct	3	2.2	3"	80	4P	10M	0.5	14M	1.00	72	50
	EAF-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	EAF-447C	50	3Ø	Y / 220~240 Y / 380~415	Direct	7½	5.5	4"	100	4P	14M	1.0	22M	2.20	145	48
	EAF-4410C	50	3Ø	Y / 220~240 Y / 380~415	Direct	10	7.5	4"	100	4P	18M	1.0	28M	2.50	150	48
	EAF-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
	EAF-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



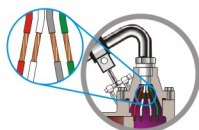
### Sectional Drawing



### ▲ 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.



#### 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.



#### 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.



#### 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.



#### 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.



#### 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	ISO VG. #32
			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	