

EFD-series

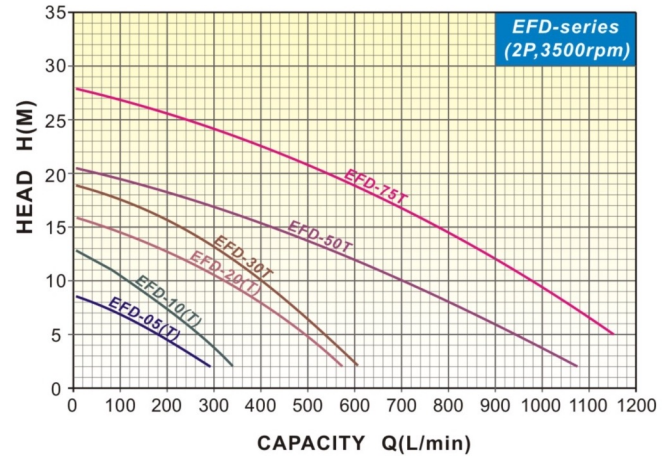
60HZ

Submersible Dredging Sewage Pumps



Powerful SUS316 agitator on vortex impeller

Performance Curves



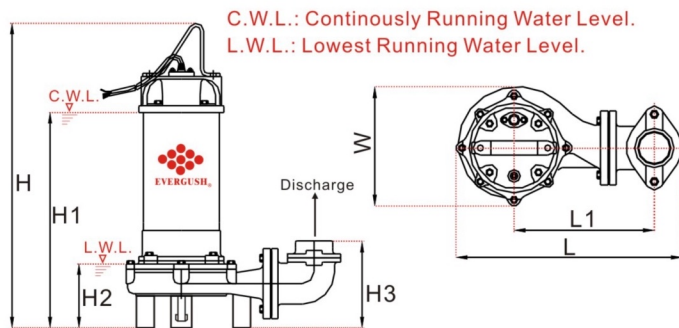
Features

- Superior abrasion resistant double mechanical seal made of silicon carbide(SIC) to ensure best seal effect and reduce abrasion from slurry.
- Equipped with stainless steel(SUS316)agitator to create powerful stirring and pumping action for slurry.

Applications

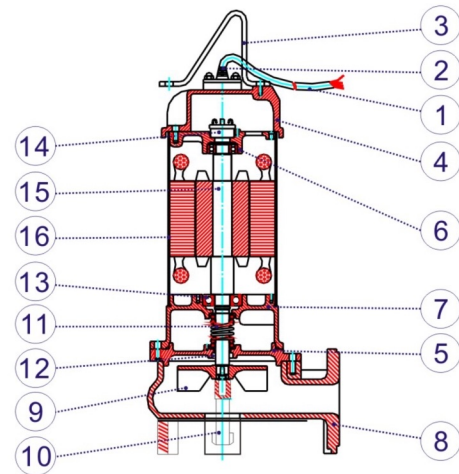
- Drainage slurry from construction site, factories..etc.
- Civil or tunnel engineering.Dewatering fluid containing solid sediment.

Specification & Dimension



NOTE: Forbid running submersible pumps continuously under L.W.L.

Parts and Material List



NO	Part	Std.Material	NO	Part	Std.Material
1	Cable	STOW	9	Impeller	FC200
2	Cable Hood	PVC	10	Agitator	SUS316
3	Handle	Nylon6/SS400	11	Mech. Seal	SIC/SIC
4	Motor Cover	Nylon66/ FC200	12	Oil Seal	VITON
5	Seal Housing	FC200	13	Bearing	(NTN brand)
6	Bracket	FC200	14	Protector	(T.I.brand)
7	Oil Chamber	FC200	15	Shaft	SUS410
8	Pump Casing	FC200	16	Motor Housing	SUS304

Model	Power		Disch. Inch	Phase φ	Rated		Max.		Dimensions (mm)						Cable M	Net Weight KG	Solid Passage MM	
	KW	HP			Head M	Capacity LPM	Head M	Cap. LPM	L	L1	W	H	H1	H2				H3
EFD-50T	3.7	5	3"(4")	3	10~13	700~540	20.5	1150	459	256	227	638	471	160	220	5	55	50
EFD-75T	5.5	7.5	3"(4")	3	15~20	780~540	28	1300	459	256	227	678	511	160	220	5	61	50

Remarks: ●(A): Equipped with automatic float switch. ●(T): Three phase motor. ●10M cable are available for 0.5~7.5HP models per special request.

*PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
REVISED02: 11-17-2022

ESV-series

60Hz

CPU-controlled Auto Booster Silent Pumps



▲ Features

1. All-in-one booster pump unit, The ESV pump is mainly consisted of pump, motor, flow sensor, pressure tank and CPU board.
2. Auto run and boost water pressure while water is consumed. Auto stop running while no water is consumed.
3. Dry-running shutdown protection- To avoid motor burnout, ESV pump will shut down within 1 minute when dry running occurs.
4. Built-in thermal protector can prevent pipeline burst due to abnormal frequent on/off.
5. Low noise operation; Compact design for space saving.
6. Always keep stable water pressure while using (hot) shower.

Model	Power	Activation Pressure
ESV800	1 HP	2.2 bar

Model : ESV800

Power : 1HP

▲ Operating Conditions

1. Ambient Temp.: Max. 40°C.
2. Liquid Temp.: 0~40°C.
3. Relative humidity: Max. 85%(RH).
4. Working pressure: Max. 5 bar.
5. Before starting the pump, make sure inlet pressure is lower than factory pre-set activation pressure.
6. Suitable liquid: Drinking water or clean water without solid particles or non-corrosive fluid.

▲ Applications

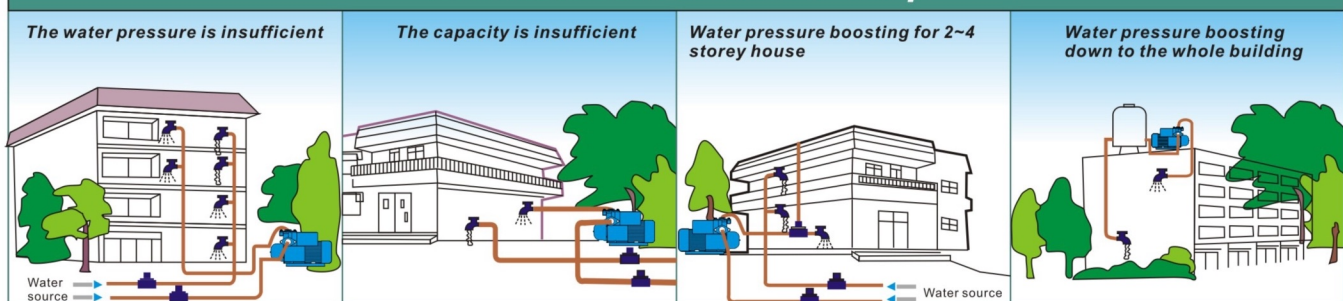
1. Auto boost water pressure to the house, apartment, villa, school, restaurant, school, beauty shop,...etc.
2. Auto boost water pressure to garden sprinkler, heater, toilet, washing machine, sanitary equipment,...etc.

▲ Motor Spec.

1. Voltage: 220V /60Hz.
2. Enclosed class: IP54.
3. Insulation: B class.
4. Enclosed Fan cooled, 2P motor.
5. Built in overload motor protector.



Installation of ESV Pump



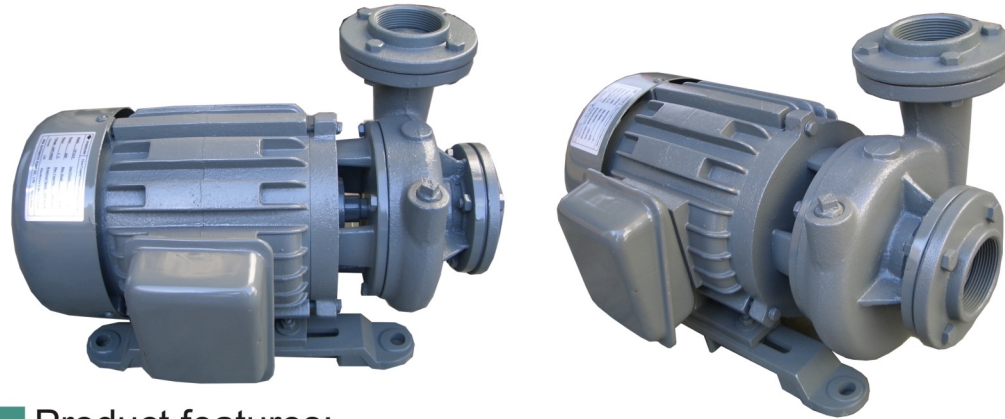
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INDUSTRIAL SERIES

Close-Coupled Vortex Centrifugal Pump



No.1 in Taiwan



Product features:

1. The motor and pump are connected with the same shaft, for eliminating fluctuation and reducing installation and maintenance cost.
2. Special volute channel design for silent operation and high efficiency.
3. Compact & robust structure for saving space and easy installation.

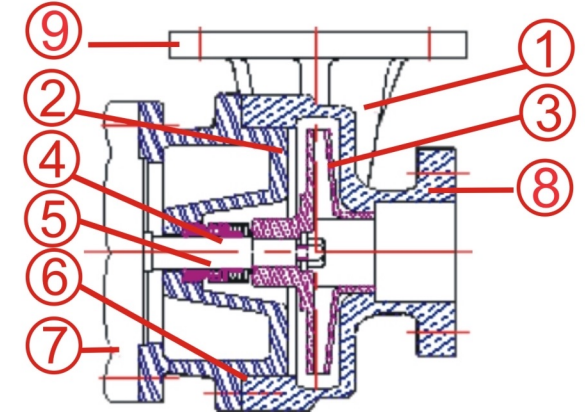
Applications:

- Heating and cooling water circulation.
- Broad range of industrial applications.
- Open loop and close loop water circuit systems.
- Water supply and disposal for household.
- Process water for paper mill, brewery, refinery.
- Boiler feed, washing and cleaning system.
- Water supply and disposal for households.

Operating conditions:

- Ambient temperature: Up to 40 °C
- Liquid temperature: Up to 60°C
- For clean liquids, without solid, filamentary or abrasive matter
- Working pressure: Max. 10 bar

Structure drawing:



Model	Power	Phase	Voltage	Suction & Discharge Dia.	Max. Head	Max. Capacity
CP-21.5	2HP	1Ø	220V/60Hz	2"	26m	300L/min.
CP-22.2	3HP	1Ø	220V/60Hz	2 1/2"	23m	550L/min.
CP80-23.7H	5HP	3Ø	220V/60Hz	3"	25m	850L/min.
CP80-25.5	7.5HP	3Ø	220V/60Hz	3"	39m	1050L/min.
CP100-27.5	10HP	3Ø	220V/60Hz	3"	56m	620L/min.
CP100-211	15HP	3Ø	220V/60Hz	3"	76m	650L/min.

No.	Part name	Standard Material	Available Material
1	Pump casing	FC200	SUS304 SUS316
2	Back cover	FC200	SUS304 SUS316
3	Impeller	Bronze	SUS304 SUS316
4	Mechanical seal	CA+CE+NBR	CA+CE+SIC
5	Main Shaft	SUS420	SUS304
6	O-ring	NBR	-----
7	Motor	FC200	Teflon
8	Inlet flange	FC200	SUS304
9	Outlet flange	FC200	SUS304

INDUSTRIAL SERIES

Submersible Waste Water Pump



No.1 in Taiwan



* **Equipped with Motor overload protector**

* **High Efficiency motor**

Features:

- Stainless Body
- Compact size, light weighted, easy operation and easy to dismantle.
- IP68 protection, F class insulation.

Applications:

- Basement drainage, rainwater effluent and accumulated water drainage.
- Suitable for PH 6~9 waste water.

Specifications

Model	EA-30	EA-75T
Power	3HP	7.5HP
Phase	1Ø	3Ø
Voltage	220V/60Hz	220V/60Hz
Current	18A	22A
Discharge dia.	80mm	80mm
Max. Head	20m	22m
Max. Capacity	700L/min	1100L/min

<http://www.evergushpump.com.tw>

INDUSTRIAL SERIES

Submersible Vortex Sewage Pump

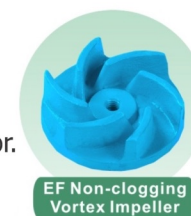


No.1 in Taiwan



Motor Specs:

- * 2P dry or oil type motor.
- * Insulation: F class.
- * Protection: Ip68



Features:

- * Non-clogging impeller minimizes abrasives wear and allows large solid passage.
- * Dry motor with overload protector; Cable with an epoxy resin sealed water-proof cable hood; Use deep groove C3 bearing to extend life time.
- * Superior abrasion resistant double mechanical seal to ensure best seal effect.
- * Oil seal mounted outside of seal chamber stops solids gathering around seal faces.

Applications:

- * Waste water drainage from all industries.
- * Sewage drainage from hotels, restaurants, schools, malls, and public facilities.
- * Fishery, animal husbandry, stock farm, piggery, fecal sewage tank in waste water treatment plant.
- * Drainage of waste water containing fibrous additives from leather factory, dyeing factory and food processing factory.

Specifications

Model	EF-05	EF-10	EF-20	EF-30	EF-30T	EF-50T	EF-75T	EF-100T	EF-150T
Power	1/2HP	1HP	2HP	3HP	3HP	5HP	7.5HP	10HP	15HP
Phase	1Ø	1Ø	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
Voltage	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz
Current	4A	6A	12A	18A	9A	15A	21A	25A	41.7A
Discharge dia.	50mm	50mm	50mm	80mm	80mm	80mm	80mm	100mm	100mm
Max. Head	9m	13.5m	16.5m	18m	20m	20.5m	28m	36m	37m
Max. Capacity	340L/min	350L/min	600L/min	600L/min	650L/min	1100L/min	1300L/min	1600L/min	2500L/min

INDUSTRIAL SERIES

High Head Submersible Waste Water Pump



No.1 in Taiwan



Model	ES-30	EAH-30	EAH-30T
Max. Head	32m	35m	35m
Power	3 HP	3 HP	3 HP
Max. Capacity	500L/min.	400L/min.	400L/min.
Cable	5m	5m	5m
Phase	1Ø	1Ø	3Ø
Voltage	220V/60Hz	220V/60Hz	220V/60Hz
Discharge Pipe	50mm	50mm	50mm

<http://www.evergushpump.com.tw>

V-Series AUTO BOOSTER PUMP



No.1 in Taiwan



V460H



V760H

*** Equipped with Made in Japan pressure switch**

*** Equipped with thermal protector**

Product features:

- Auto boost water pressure when water is consumed; stop running automatically when water is not consumed.
- Pre-pressure one-piece forming diaphragm pressure tank with good appearance and corrosive resistant.
- Install overload protector in motor's circuit and thermal shutoff device on pump front cover protect motor from burnout due to abnormal conditions.

Applications:

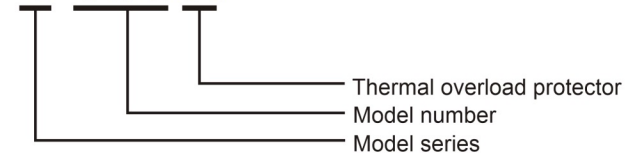
- Water supply for residential and commercial applications.
- Water pressure boosting for barber shops, restaurants, sprinkle systems, washing machines, apartments, etc.

Operating Conditions:

- Ambient temperature: 0~+40°C
- Liquid temperature: +4°C~+50°C
- Before using the pump, be sure the inlet pressure setting is lower than on setting of pressure switch.

Mode Code:

V460H



Specifications

Model	Frequency (Hz)	Power (HP)	PH (Ø)	Voltage (V)	Inlet (in.)	Outlet (in.)	Pressure Setting		Max. Head (m)	Max. Flow (L/min.)	Net Weight (Kg)
							On(Kg/cm ²)	Off(Kg/cm ²)			
V460H	60	1/2	1	220	1"	1"	2.0	3.2	43	45	11.3
V760H	60	1	1	220	1"	1"	2.0	3.2	45	70	21.4

<http://www.evergushpump.com.tw>