Stainless Steel Submersible Sewage Pumps

EVERGUSH®

50HZ

0.5~1HP | 2~3HP | 5~7.5HP | 10~15HP

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 made of silicon carbide(SIC) to ensure best seal effect and reduce abrasion from sewage.
- SUS316 main sub. pump components minimize abrasion from sewage and wastewater.

Applications

- Waste water drainage from all industries.
- Sewage drainage from hotels, restaurants, schools, malls, and public buildings.
- Fishery, animal husbandry, stock farm, piggery, and fecal sewage tank in water treatment plant.
- Drainage of waste water containing fibrous additives from leather factory, dyeing factory and food processing factory.
- PH3~11 industrial or domestic wastewater.

Motor Spec.

- 2P dry type motor.
- Insulation: F class.
- Protection: IP68.
- Frequency: 50HZ
- Voltage:1ø220~240V(0.5~2HP)
  3ø220~440V(all models)

SUS316 Non-clog impeller

Optional

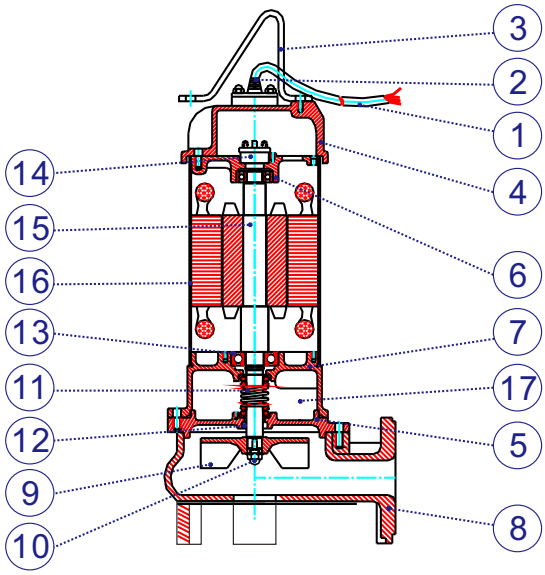
Pump with guide rail device

Optional

Auto float switch for 0.5~2HP

Parts and Materials List

No.	Parts	Std. Material EFS Model
1	Cable	VCT
2	Cable hood	PVC
3	Handle	SUS316
4	Motor cover	SUS316
5	Seal housing	SUS316
6	Bracket	SUS316
7	Oil chamber	SUS316
8	Pump casing	SUS316
9	Impeller	SUS316
10	Nut	SUS316
11	Mech. seal	SIC/SIC
12	Oil seal	VITON
13	Bearing	(NTN or NSK brand)
14	Overload protector	(T.I.brand)
15	Shaft	SUS316
16	Motor housing	SUS316
17	Lubricant oil	(Turbine Oil ISO VG46)



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Operating Conditions

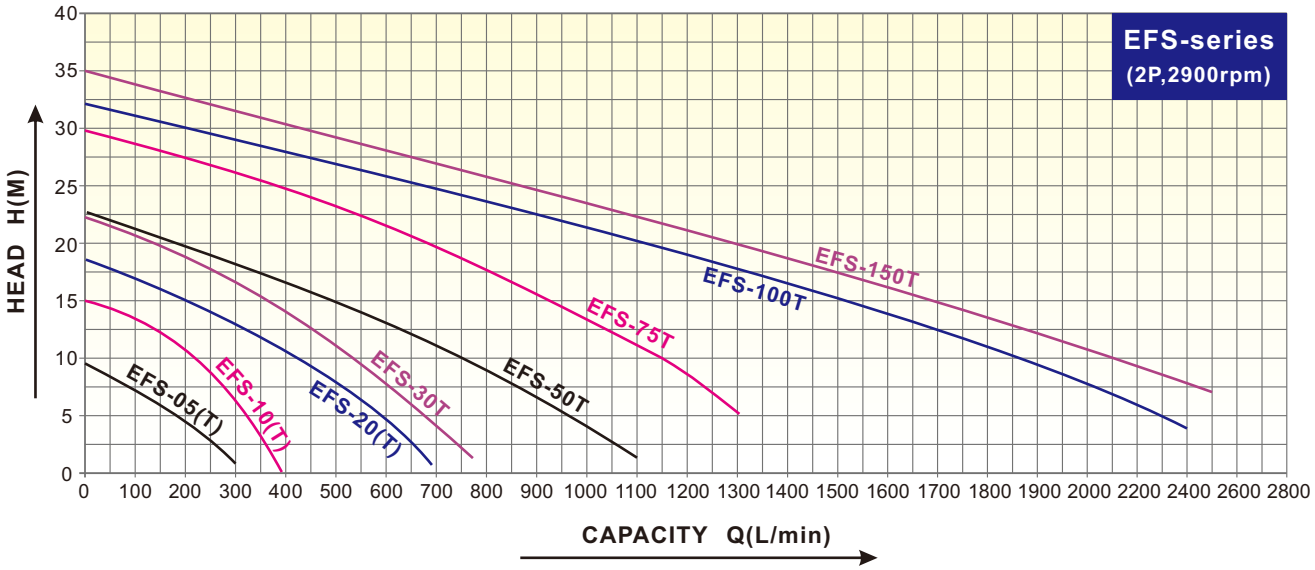
- Water temperature: 0~40°C.
- Ambient temperature: 0~40°C.
- Solid passage: 35~50MM.
- Operating water depth: Max.8~10M.
- No 24hrs continuously running.
- No use in (100%)pure sea water.

Model Code

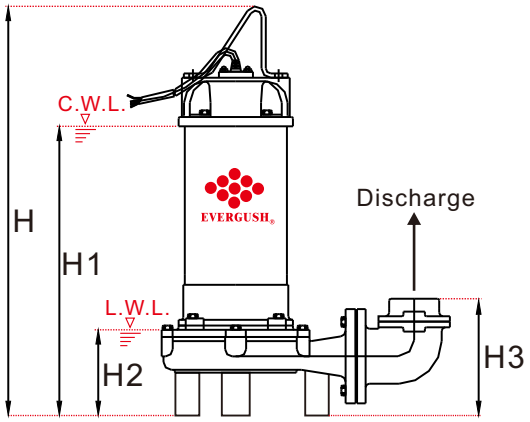
EFS-20(A)(T)

- (T): Three Phase Motor
- (A): Equipped with auto float switch
- 20: HP: Number/10
- EFS: Model name of stainless steel sub. sewage pump

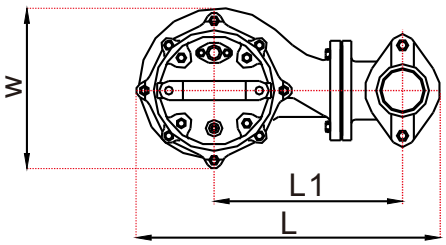
Performance Curves



Specification & Dimensions



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



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

Model	Power		Disch.	Phase	Rated		Max.		Dimensions (mm)							Cable	Net Weight	Solid Passage
					Head	Capacity	Head	Cap.										
	KW	HP	Inch	φ	M	LPM	M	LPM	L	L1	W	H	H1	H2	H3	M	KG	MM
EFS-05(A)(T)	0.37	0.5	2"	1,3	4~5	220~180	9	300	224	115	132	409	296	112	113	5	13	35
EFS-10(A)(T)	0.75	1	2"	1,3	8~9	260~220	15	390	224	115	132	439	326	112	113	5	18	35
EFS-20(A)(T)	1.5	2	2"(3")	1,3	9~10	420~380	18.5	690	387	234	205	530	398	120	143	5	33	35
EFS-30T	2.2	3	2"(3")	3	10~12	500~430	22.0	770	387	234	205	550	418	120	143	5	35	35
EFS-50T	3.7	5	3"(4")	3	13~15	650~550	22.5	1100	459	256	230	641	471	160	220	5	55	50
EFS-75T	5.5	7.5	3"(4")	3	13~15	1050~950	30	1300	459	256	230	681	511	160	220	5	61	50
EFS-100T	7.5	10	4"	3	15~17	1120~1000	32	2400	550	280	310	680	511	210	250	10	87	50
EFS-150T	11	15	4"	3	15~18	1900~1650	35	2500	560	310	310	730	580	250	310	10	115	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.