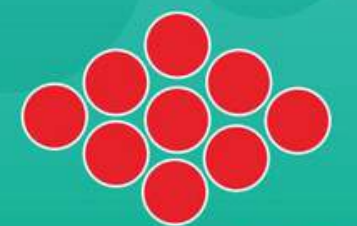


EFS-series

Stainless Steel 316
Submersible Chemical Pumps



EVERGUSH®

50Hz



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.

Motor Spec.

- 2P dry type or oil type motor.
- Insulation: F class.
- Protection: IP68.
- Frequency: 50HZ
- Voltage: 1 ϕ 220~240V(0.5~2HP)
3 ϕ 220~440V(all models)

Parts and Materials List

No.	Parts	Std. Material
		EFS Model
1	Cable	UL_STOW or VCT
2	Cable hood	PVC
3	Handle	SUS304 or (Nylon6:0.5~1HP)
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 brand)
14	Overload protector	(T.I.brand)
15	Shaft	SUS316
16	Motor housing	SUS316
17	Lubricant oil	(Turbine Oil ISO VG46)

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.



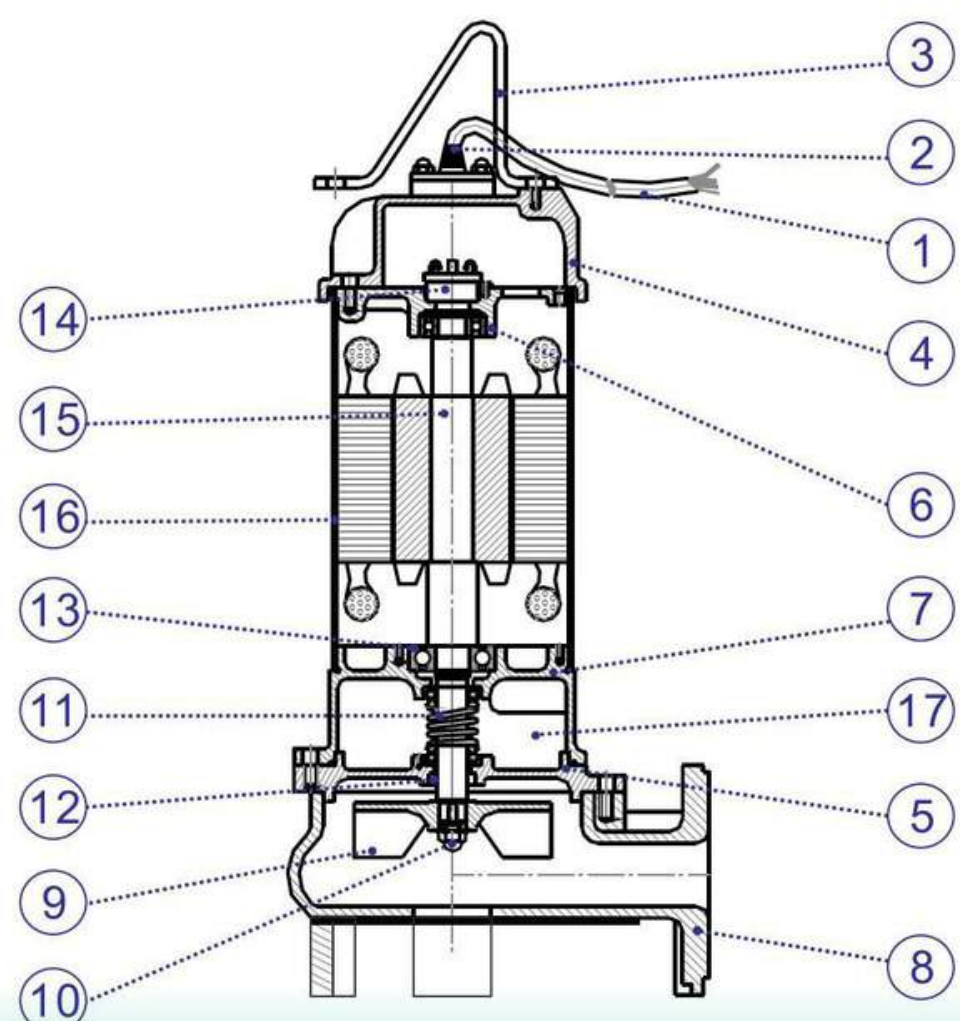
SUS Non-clogging
Vortex Impeller



SUS Sub.pump with
guide rail device(Q.D.C)



Sub.pump(0.5~2HP,1phase)
with auto float switch



Operating Conditions

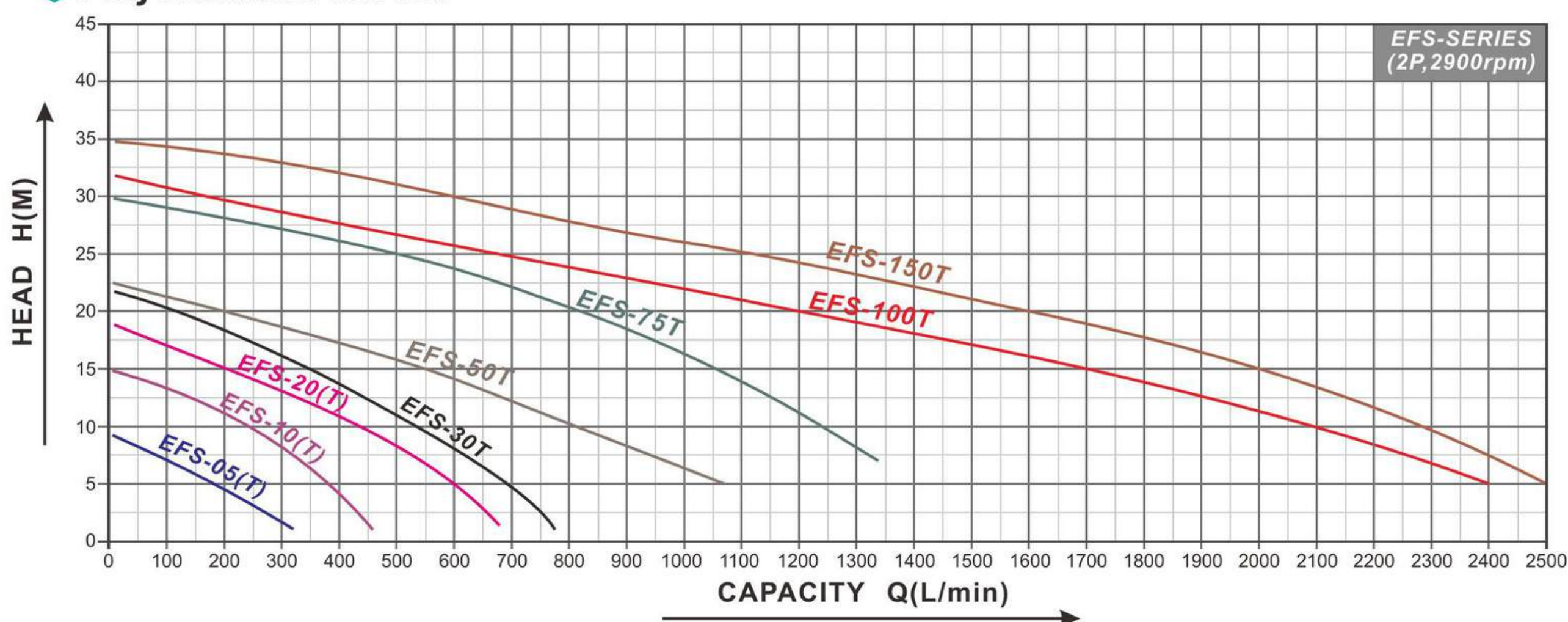
- Liquid temperature: 0~40°C.
- Ambient temperature: Max.40°C.
- Solid passage: Max.35~50mm.
- Don't use in 100% pure seawater.
- 24 hours continuous operation is not allowed.

Model Code

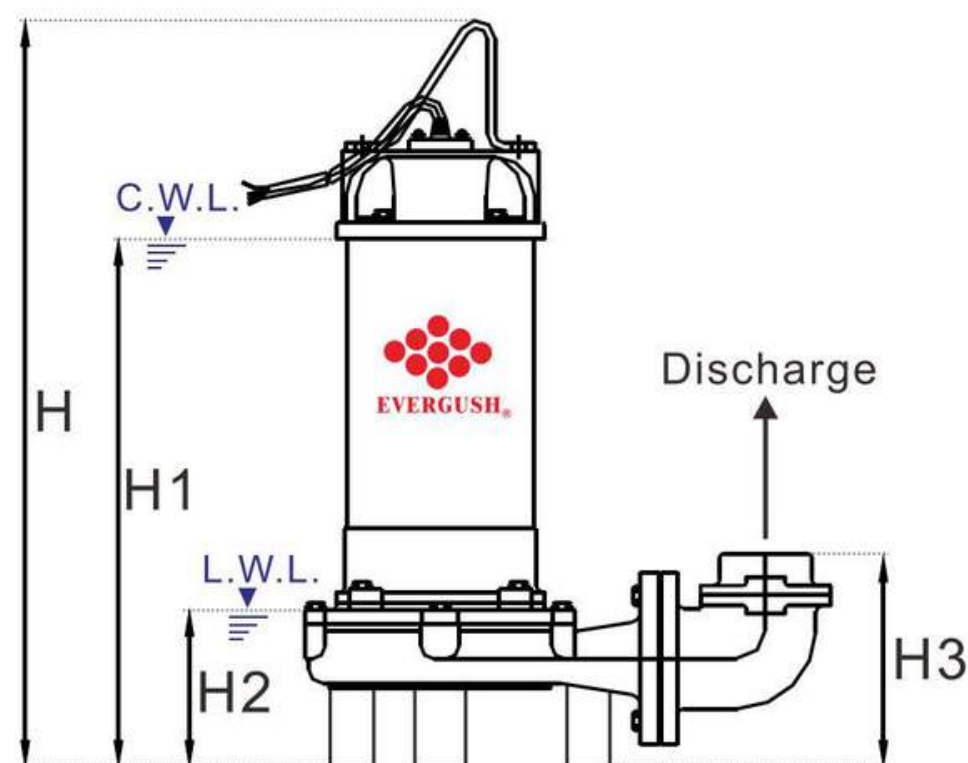
EFS-20(A)(T)

- Three Phase Motor
- Equipped with auto float switch
- HP: Number/10
- Model name of stainless steel sub. sewage pump

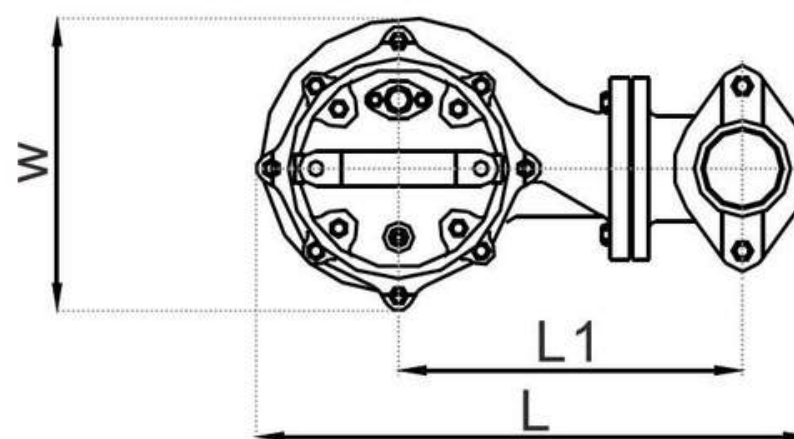
Performance Curves



Specifications & Dimensions



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



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

Model	Type	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			
EFS-05(A)(T)	Direct	0.37	0.5	2"	1,3	5~6	180~150	9.0	350	224	115	132	409	296	112	113	5	13	35
EFS-10(A)(T)	Direct	0.75	1	2"	1,3	9~11	260~200	15	460	224	115	132	439	326	112	113	5	18	35
EFS-20(A)(T)	Elbow	1.5	2	2"; 3"	1,3	10~11	420~380	18.5	700	387	234	205	530	398	120	143	5	33	35
EFS-30T	Elbow	2.2	3	2"; 3"	3	10~12	530~450	22	800	387	234	205	550	418	120	143	5	35	35
EFS-50T	Elbow	3.7	5	3"; 4"	3	11~15	760~550	22.5	1200	459	256	230	641	471	160	220	5	55	50
EFS-75T	Elbow	5.5	7.5	3"; 4"	3	18~20	920~820	30	1450	459	256	230	681	511	160	220	5	61	50
EFS-100T	Elbow	7.5	10	4"	3	15~22	1700~1000	32	2400	560	310	310	700	550	250	310	10	102	50
EFS-150T	Elbow	11	15	4"	3	15~26	2000~1000	35	2500	560	310	310	730	580	250	310	10	110	50

Remarks: ●(A): Equipped with float switch. ●(T): Three phase motor. ● Specific cable lengths are available upon request.