



SUBMERSIBLE PUMP

VEF, VEFS, VES, VEFK, VEFD, VEA SERIES



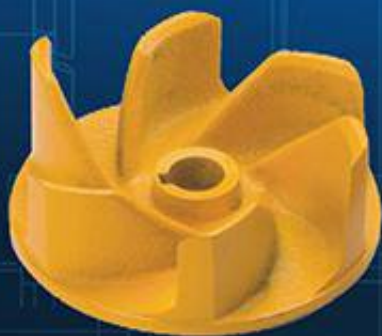
www.vipspumps.com

VEF / VEFS-series

SUBMERSIBLE SEWAGE PUMP

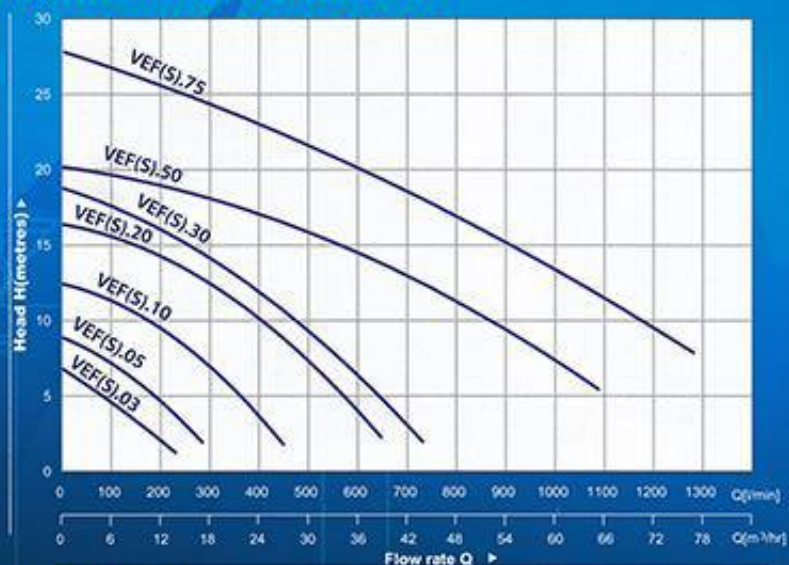


EFS Impeller (SUS316)



EF Vortex Impeller

PERFORMANCE CURVES



• FEATURES

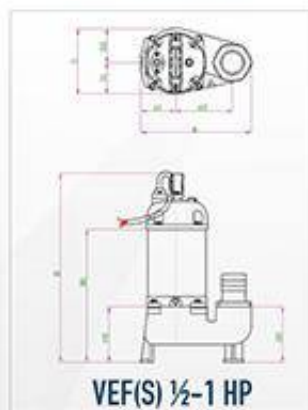
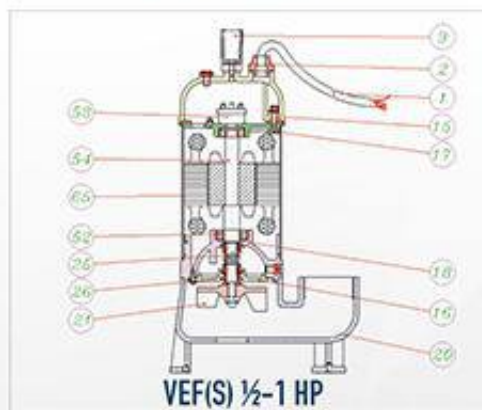
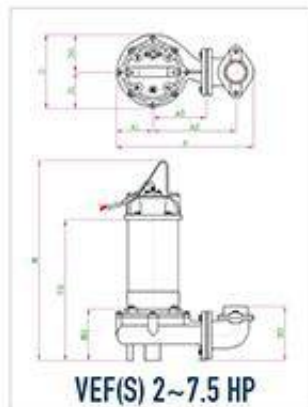
Non-clogging, minimized abrasive wear, large impeller clearance, and maintenance free

• APPLICATIONS

- Medium concentration wastewater. Heavy duty.
- EF type is suitable for PH 3-11 waste water.
- EFS type is also for sea water.



CONSTRUCTION & DIMENSIONS



PARTS AND MATERIALS LIST

NO	PART	MATERIAL	
		VEF	VEFS
1	Cable	VCT	VCT
2	Cable Hood	PVC	PVC
9	Handle	Nylon 6/SS41	SUS 304
15	Motor Cover	Nylon 66/FC 200	SUS 316
16	Seal Housing	FC 200	SUS 316
17	Bracket	FC 200	FC 200
18	Oil Chamber	FC 200	SUS 316
20	Pump Casing	FC 200	SUS 316
21	Impeller	FC 200	SUS 316
25	Mech. Seal	CA/CE	SIC/SIC
26	Oil Seal	NBR	Viton
52	Bearing	(NTN)	(NTN)
53	Protector	(T.I. / YAMADA)	(T.I. / YAMADA)
54	Shaft	SUS 410	SUS 316
57	Motor Housing	SUS 304	SUS 316

SPECIFICATIONS

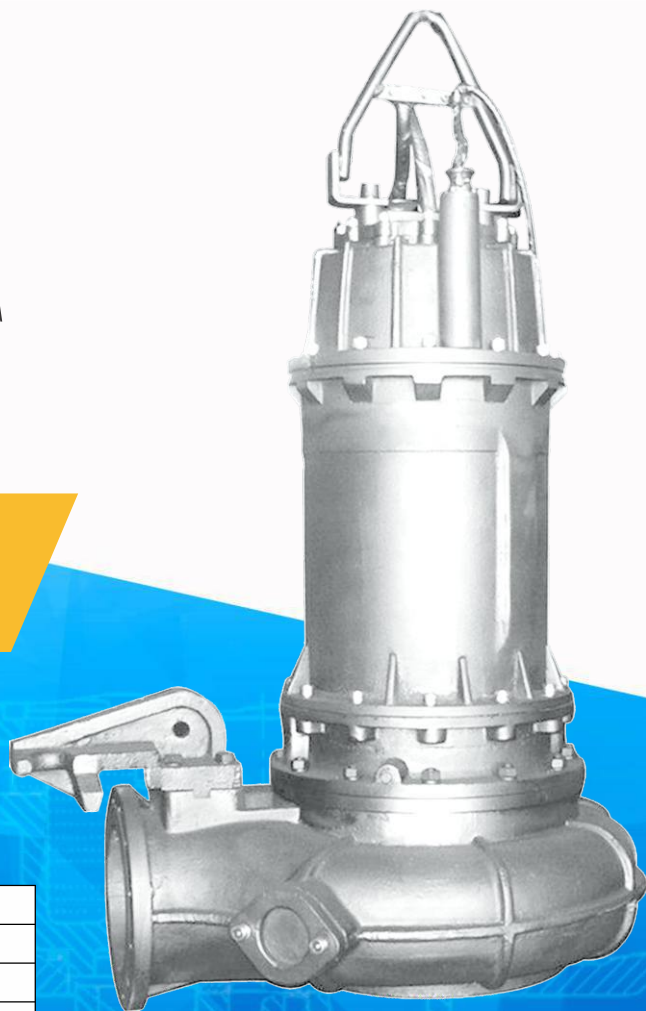
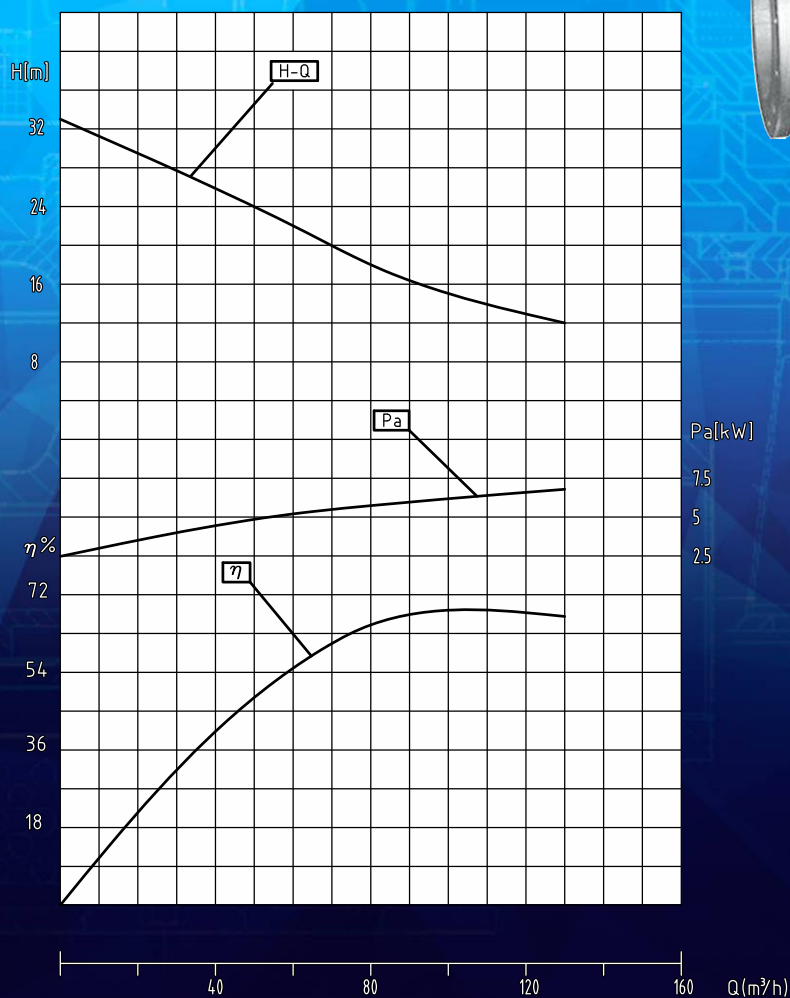
Model	Output	Outlet	Phase	Rated		Maximum		Dimension (mm)											Cable
				Head	Capacity	Head	Capacity	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3	
	HP	Inch	φ	M	LPM	M	LPM	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3	M
VEF(S).05	1/2	2"	1,3	6	110	8	320	223	70	115	NA	132	63	69	381	325	112	113	5
VEF(S).10	1	2*(3")	1,3	9	220	12.5	460	223	70	115	NA	132	63	69	411	355	112	113	5
VEF(S).20	2	2*(3")	1,3	10	350	17.5	650	390	103	235	151	210	105	105	570	400	150	152	5
VEF(S).30	3	2*(3")	3	11	450	19.5	750	390	103	235	151	210	105	105	590	420	150	152	5
VEF(S).50	5	3*(4")	3	10	800	23.5	1200	458(509)	110	256(294)	176	227	110	117	633	468	160	225	10
VEF(S).75	7 1/2	3*(4")	3	12	1040	29.5	1400	458(509)	110	256(294)	176	227	110	117	673	508	160	225	10

- Note 1 : Automatic models are available in single-phase versions.
- Note 2 : G.R.D(Guide Rail Device) is applied in all models.

VES 100

Submersible Sewage Pump

PERFORMANCE CURVE



APPLICATIONS

- Medium concentration wastewater. Heavy duty.
- E type is suitable for PH 3-11 waste water.
- ES type is also for sea water

FEATURES

Non-clogging, minimized abrasive wear, large impeller clearance, and maintenance free.

VEFK-series

SUBMERSIBLE DREDGING SEWAGE PUMP

VEFK.2~7.5HP

VEFK.½~1 HP



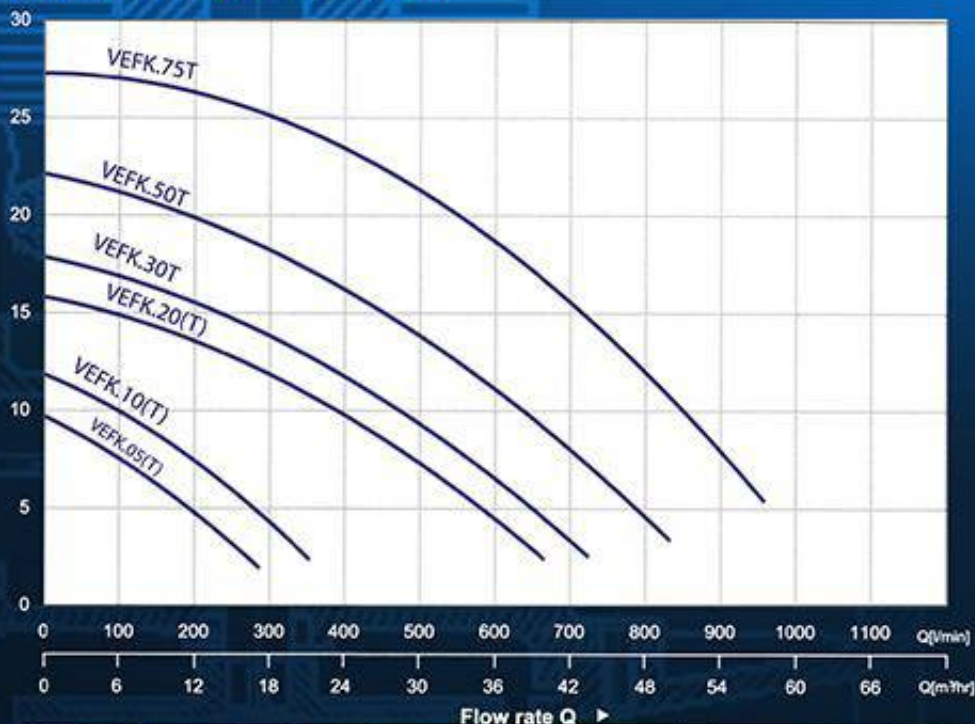
FEATURES

- Tipped with tungsten cutter to cut off foreign objects and prevent from clogging.
- Epoxy resin cable base, dry motor, double mechanical seals, auto-cut protector.

APPLICATIONS

- Hospital, school, building, etc. waste water treatment system; Industrial wastewater and ground water drainage.
- To transfer various wastewater and sewage.

PERFORMANCE CURVES



VEFD-series

SUBMERSIBLE DREDGING SEWAGE PUMP



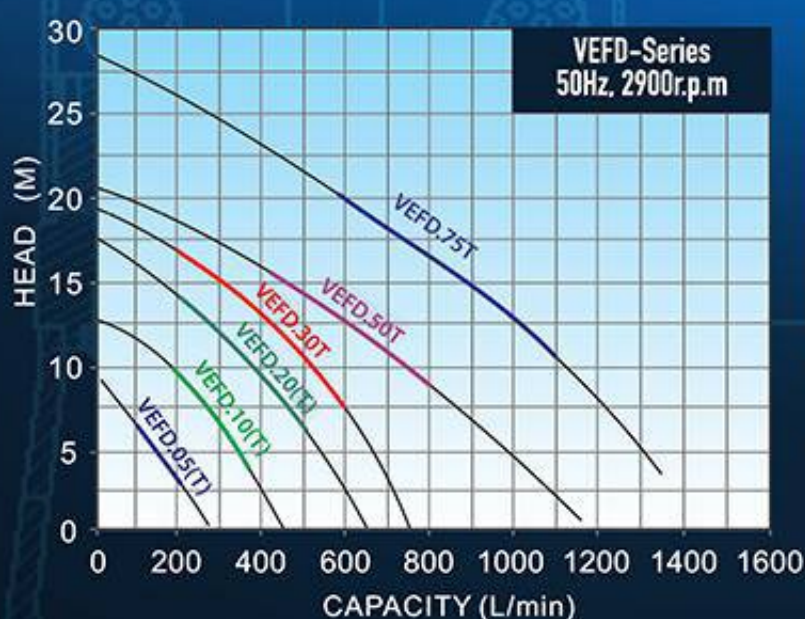
FEATURES

- Best waterproof structure, auto reset motor protector, and double mechanical seals made of silicon carbide.
- Equipped with stainless steel(SUS316)agitator to create powerful stirring and pumping action for slurry.
- High efficiency dry motor, IP68 protection, F class insulation .

APPLICATIONS

- Dredging, high concentration slurry.
- Civil or tunnel engineering.Dewatering fluid containing solid sediment.

PERFORMANCE CURVES



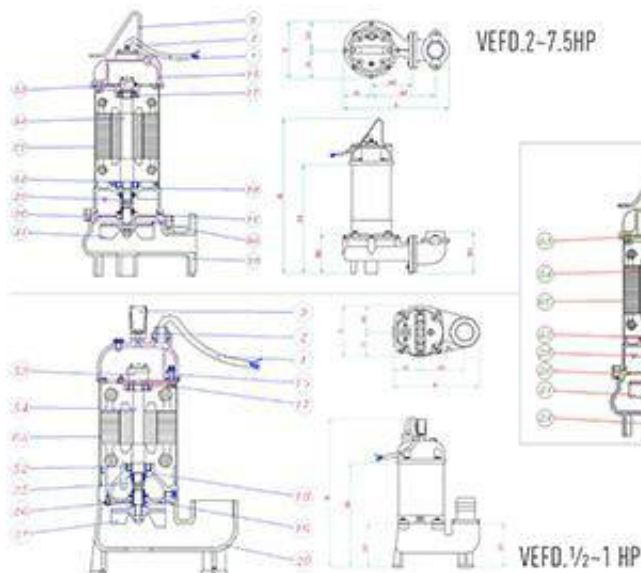
SPECIFICATIONS

Model	Output HP	Outlet Inch	Phase Φ	Rated		Maximum		Cable M
				Head M	Capacity LPM	Head M	Capacity LPM	
VEFD.05	1/2	2"	1,3	6	110	8	320	5
VEFD.10	1	2"(3")	1,3	9	220	12.5	460	5
VEFD.20	2	2"(3")	1,3	10	350	17.5	650	5
VEFD.30	3	2"(3")	3	11	450	19.5	750	5
VEFD.50	5	3"(4")	3	10	800	23.5	1200	10
VEFD.75	7 1/2	3"(4")	3	12	1040	29.5	1400	10

Note 1 : Automatic models are available in single-phase versions.

Note 2 : G.R.D(Guide Rail Device) is applied in all models.

CONSTRUCTION & DIMENSIONS



Parts and Materials List

NO	PART	MTRL
1	Cable	VCT
2	Cable Hood	PVC
9	Handle	Nylon 6/SS41
15	Motor Cover	Nylon 66/ FC 200
16	Seal Housing	FC 200
17	Bracket	FC 200
18	Oil Chamber	FC 200
20	Pump Casing	FC 200
21	Impeller	FC 200
24	Agitator	SUS316
25	Mech. Seal	SIC/SIC
26	Oil Seal	Viton
52	Bearing	(NTN)
53	Protector	(T.I. / YAMADA)
54	Shaft	SUS 410
65	Motor Housing	SUS 304

SPECIFICATIONS

Model	Output	Outlet	Phase	Rated		Maximum		Dimension (mm)											Cable
				Head	Capacity	Head	Capacity	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3	
	HP	Inch	φ	M	LPM	M	LPM	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3	M
VEFD.05	1/2	2"	1,3	6	110	8	320	223	70	115	NA	132	63	69	381	325	112	113	5
VEFD.10	1	2"(3")	1,3	9	220	12.5	460	223	70	115	NA	132	63	69	411	355	112	113	5
VEFD.20	2	2"(3")	1,3	10	350	17.5	650	390	103	235	151	210	105	105	570	400	150	152	5
VEFD.30	3	2"(3")	3	11	450	19.5	750	390	103	235	151	210	105	105	590	420	150	152	5
VEFD.50	5	3"(4")	3	10	800	23.5	1200	458(509)	110	256(294)	176	227	110	117	633	468	160	225	10
VEFD.75	7 1/2	3"(4")	3	12	1040	29.5	1400	458(509)	110	256(294)	176	227	110	117	673	508	160	225	10

Note 1: Automatic models are available in single-phase versions.

Note 2: G.R.D(Guide Rail Device) is applied in all models.

Model	Power	Outlet	Phase	Rated		Max.		Dimensions (mm)								Cable	Net Weight	Solid Passage
				Head	Cap.	Head	Cap.											
	HP	Inch	φ	M	LPM	M	LPM	A	A1	A2	D	H	H1	H2	H3	M	KG	MM
VEFD.05(A)(T)	0.5	2"	1,3	5	150	8.5	300	222	75	115	150	385	270	115	115	5	14	20
VEFD.10(A)(T)	1	2"	1,3	9	220	12.5	460	222	75	115	150	465	340	115	115	5	19	20
VEFD.20(A)(T)	2	2"(3")	1,3	10	350	17.0	650	317	105	165	210	570	400	150	120	5	34	20
VEFD.30T	3	2"(3")	3	11	450	19.0	750	317	105	165	210	590	420	150	120	5	36	20
VEFD.30T	5	3"(4")	3	13	500	20.5	1200	458 (509)	110	256 (294)	227	633	468	180	220	5	56	35
VEFD.75T	7.5	3"(4")	3	15	900	28.5	1350	458 (509)	110	256 (294)	227	673	508	180	220	5	62	35

• OM cable are available per special request.

• (T): Three phase motor.

• (A): Equipped with automatic float switch.

VEA-series

SUBMERSIBLE WASTE WATER(SUMP) PUMP



VEA Vortex Impeller

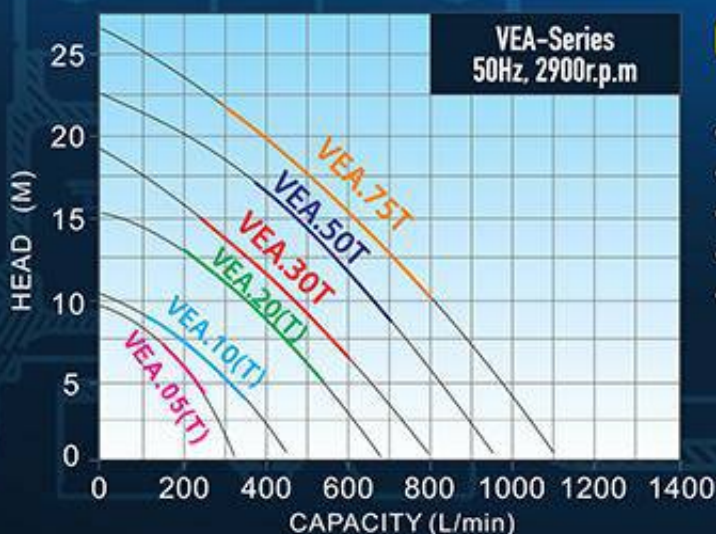
FEATURES

- Compact size, light weighted, easy operation and dismantle.
- Single phase motor is equipped with motor overload protector
- Automatic float switch is available for single phase motor.
- High efficiency dry motor, IP68 protection, F class insulation.

APPLICATIONS

- Light duty, basement drainage, rainwater effluent and accumulated water drainage.
- VEA type is suitable for PH6~9 waste water.

Performance Curves

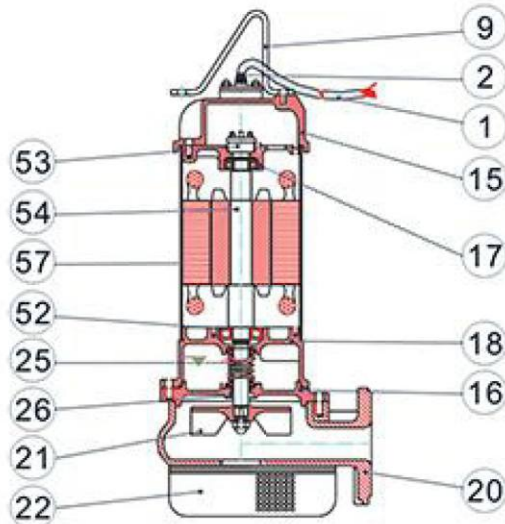


OPERATING CONDITIONS

- Water Temperature : 0~+40°C
- Ambient Temperature : 0~+40°C
- Working Pressure : Max. 3 bar
- Solid Passage : 6mm
- Operating Depth : 10mm

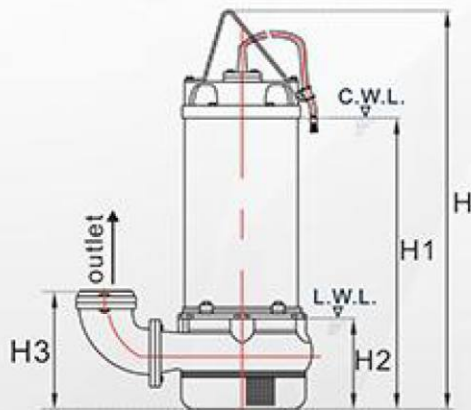


PARTS AND MATERIALS LIST

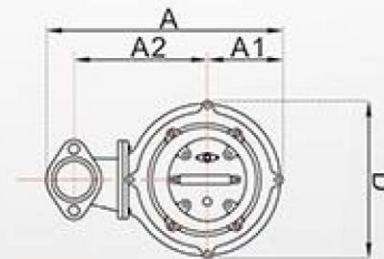


NO	PART	MTRL
1	Cable	VCT
2	Cable hood	PVC
9	Handle	Nylon 6/SS41
15	Motor cover	Nylon 66/FC 200
16	Seal housing	FC 200
17	Bracket	FC 200
18	Oil chamber	FC 200
20	Pump casing	FC 200
21	Impeller	FC 200
22	Strainer	SUS 304
25	Mech. Seal	CA/CE
26	Oil seal	NBR
52	Bearing	NTN
53	Protector	(T.I./YAMADA)
54	Shaft	SUS 410
57	Motor housing	SUS 304

SPECIFICATION & 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	Power	Outlet	Phase	Rated		Max.		Dimensions (mm)								Cable	Net Weight	Solid Passage
				Head	Cap.	Head	Cap.											
	HP	Inch	φ	M	LPM	M	LPM	A	A1	A2	D	H	H1	H2	H3	M	KG	MM
VEA.05(A)(T)	0.5	2"	1,3	6	150	9.5	310	229	70	123	141	350	225	100	110	5	13	6
VEA.10(A)(T)	1	2"	1,3	9	150	11	450	316	81	185	163	450	325	100	156	5	23	6
VEA.20(A)(T)	2	2"(3")	1,3	10	360	15.5	680	403	103	250	212	555	385	110	163	5	33	6
VEA.30T	3	2"(3")	3	11	450	18.5	800	403	103	250	212	575	405	110	163	5	35	6
VEA50T	5	3"(4")	3	11	600	22.5	960	458 (509)	110	256 (294)	227	605	440	132	220	5	55	6
VEA75T	7.5	3"(4")	3	12	750	26.5	1000	458 (509)	110	256 (294)	227	645	480	132	220	5	61	6

● (A): Equipped with automatic float switch. ● (T): Three phase motor.
● 10M cable are available per special request.

