

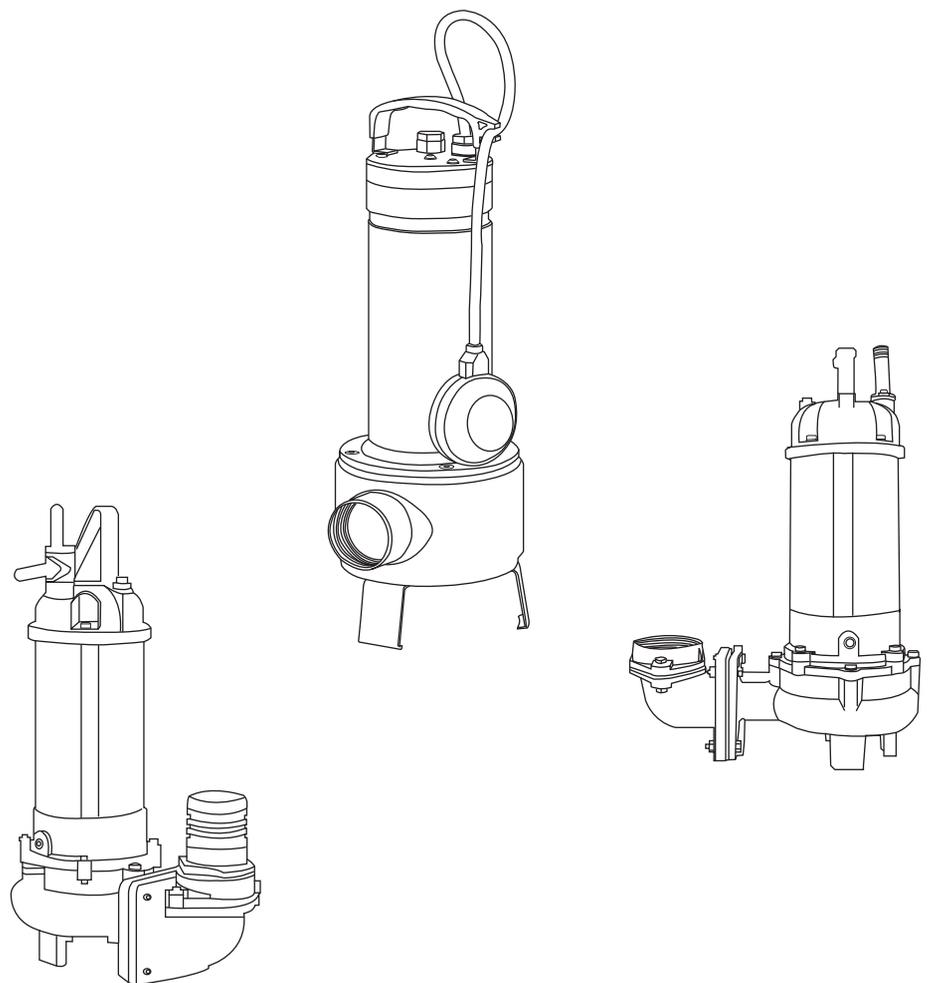
Submersible Drainage & Sewage Pumps

50HZ





STAIRS



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XD Submersible Drainage Pumps

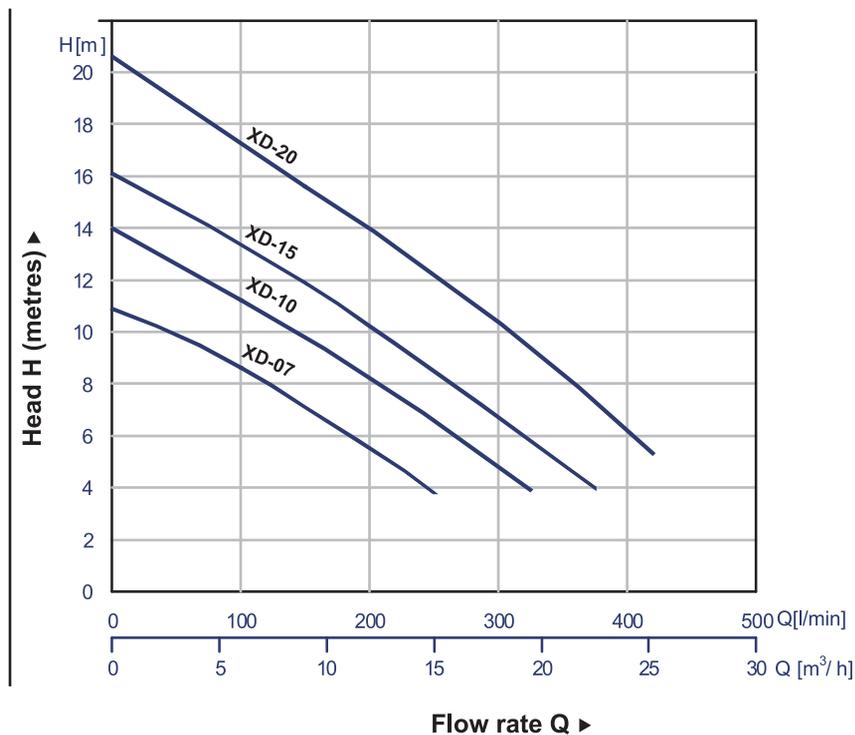
General Data/Material



Operating Conditions	Applications	Emptying of septic tanks and residential sumps.
	Fluid Temperature	0 to 50 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
Pump	Protection Device	Thermal Protector (single phase)
	Impeller	Open Impeller
	Shaft Seal/Material	Double seals
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	AISI 304+Nylon
Motor Cover	AISI 304
Motor Casing	AISI 304
Fixing Ring	AISI 304
Pump Body	AISI 304
Mechanical seal	Sic/Sic/NBR
Impeller	AISI 304
Key	AISI 304
Pump Casing	AISI 304
Oil Seal	NBR
Shaft	AISI 304
V-type Axial Oil Seal	NBR
Suction flange	AISI 304

Characteristic curves N= 2900 rpm

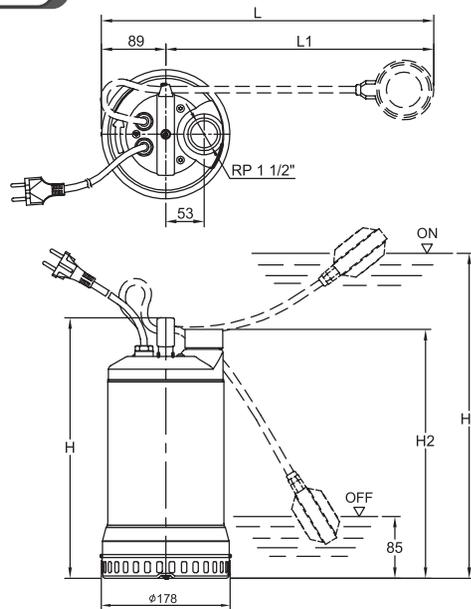


Specifications

Model	Power HP (kW)	Discharge inch	Phase (Voltage)	Standard		Max		Solid Passage mm	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM		
XD-07	0.75(0.55)	RP 1 1/2"	1 ϕ 220V-240V / 3 ϕ 220V-240V / 380V-415V	8.6	100	10.9	250	8	10
XD-10	1.0(0.75)	RP 1 1/2"	1 ϕ 220V-240V / 3 ϕ 220V-240V / 380V-415V	11.2	100	14	325	8	10
XD-15	1.5(1.1)	RP 1 1/2"	1 ϕ 220V-240V / 3 ϕ 220V-240V / 380V-415V	11.9	150	16.1	375	8	10
XD-20	2.0(1.5)	RP 1 1/2"	3 ϕ 220V-240V / 380V-415V	15.6	150	20.6	420	8	10

Auto Float Switches are available in Single-phase

Dimensions and Weights



SINGLE-PHASE

Model	Dimension (mm)					
	H	H1	H2	L	L1	N.W. kg
XD-07	357	437	341	459	370	12
XD-10	407	497	391	514	425	15
XD-15	407	497	391	514	425	17

THREE-PHASE

Model	Dimension (mm)		
	H	H2	N.W. kg
XD-07	357	341	12
XD-10	357	341	12
XD-15	407	391	15
XD-20	407	391	17

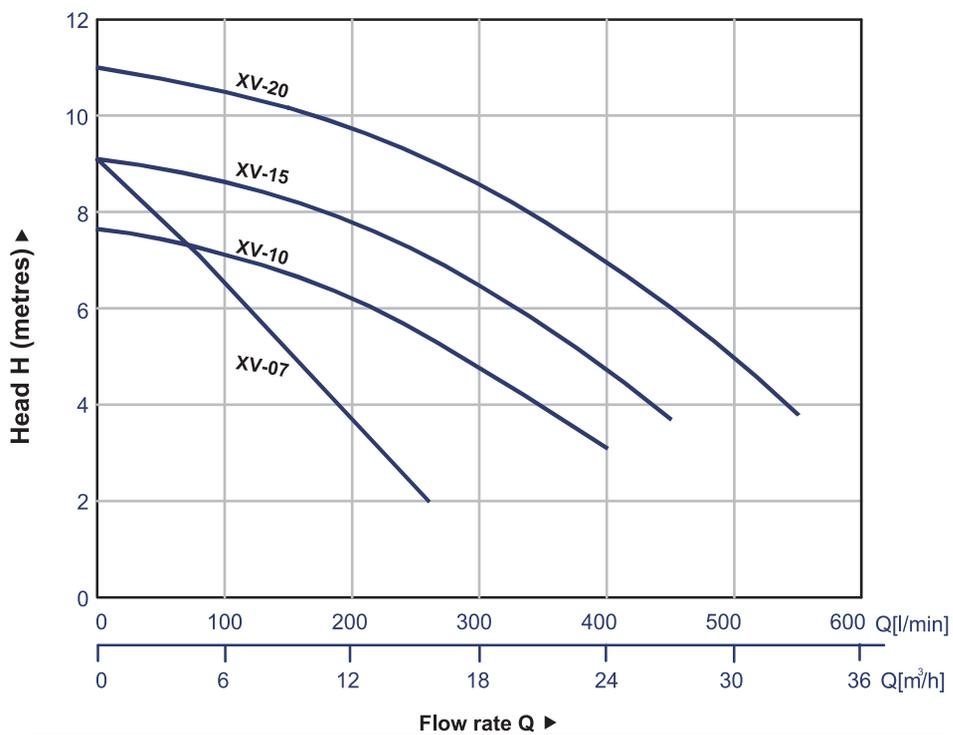
General Data/Material



Operating Conditions	Applications	Emptying of septic tanks and residential sumps.
	Fluid Temperature	0 to 35°C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
	Protection Device	Thermal Protector (single phase)
Pump	Impeller	Vortex Impeller
	Shaft Seal/Material	Double seals
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	AISI 304+Nylon
Motor Cover	AISI 304
Motor Casing	AISI 304
Fixing Ring	AISI 304
Pump Body	AISI 304
Mechanical seal	Sic/Sic/NBR
Impeller	AISI 304
Key	AISI 304
Pump Casing	AISI 304
Oil Seal	NBR
Shaft	AISI 304
V-type Axial Oil Seal	NBR
Suction flange	AISI 304

Characteristic curves N= 2900 rpm

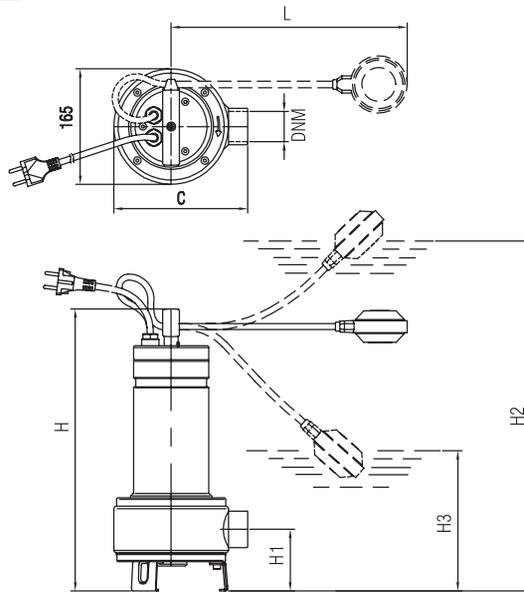


Specifications

Model	Power HP (kW)	Discharge inch	Phase (Voltage)	Standard		Max		Solid Passage mm	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM		
XV-07	0.75(0.55)	RP 1 1/2"	1 ϕ 220V-240V / 3 ϕ 220V-240V / 380V-415V	7.1	80	9.1	260	35	5
XV-10	1.0(0.75)	RP 2"	1 ϕ 220V-240V / 3 ϕ 220V-240V / 380V-415V	7.1	100	7.7	400	50	10
XV-15	1.5(1.1)	RP 2"	1 ϕ 220V-240V / 3 ϕ 220V-240V / 380V-415V	8.6	100	9.1	450	50	10
XV-20	2.0(1.5)	RP 2"	3 ϕ 220V-240V / 380V-415V	10.2	150	11	550	50	10

Auto Float Switches are available in Single-phase

Dimensions and Weights



SINGLE-PHASE

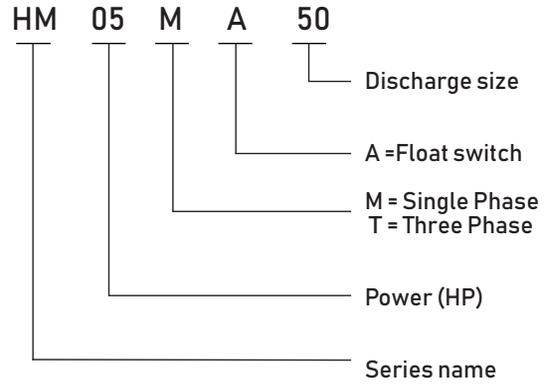
Model	Dimension (mm)							
	H	H1	H2	H3	L	C	DNM	N.W. kg
XV-07	403	88	483	185	350	193	RP1 1/2"	11
XV-10	486	111.5	566	268	350	198	RP 2"	14
XV-15	486	111.5	566	268	350	198	RP 2"	15

THREE-PHASE

Model	Dimension (mm)				
	H	H1	C	DNM	N.W. kg
XV-07	403	88	193	RP1 1/2"	11
XV-10	436	111.5	198	RP 2"	12
XV-15	486	111.5	198	RP 2"	14
XV-20	486	111.5	198	RP 2"	15



Model code



Applications

- Basement water removal
- Waste water drainage
- Water transfer
- Sump / effluent handling
- Dewatering
- Fish pond & fountain circulation
- Sewage handling
- Factory waste water handling

Motor Data

- Motor Type : 2 POLE , dry type
- Frequency : 50Hz
- Nominal Speed : 2850 rpm
- Insulation Class : F class (155°C)
- Enclosure Protection Class : IP 68
- Protection Device :
Thermal Protector (Single phase)
Overload Protector (Three phase)

Pump Data

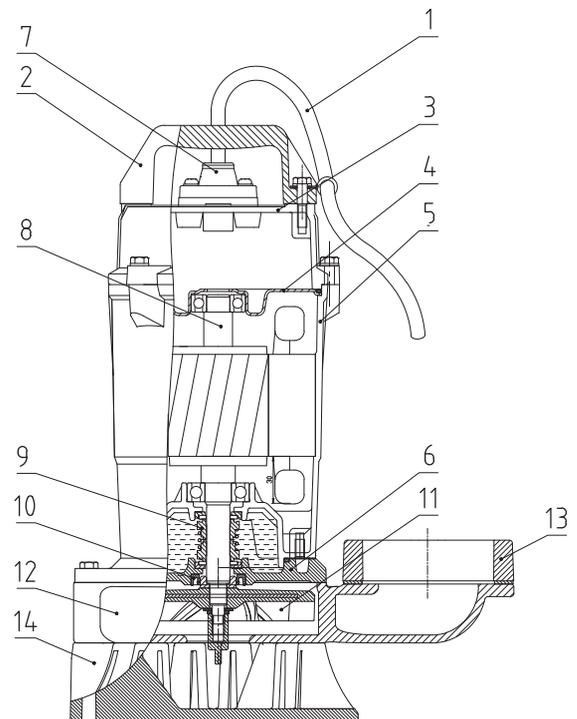
- Impeller : Vortex Impeller
- Shaft Seal / Mechanical :
Double Mechanical Seal
- Bearing :
Double-shielded Ball Bearing

Operation Conditions

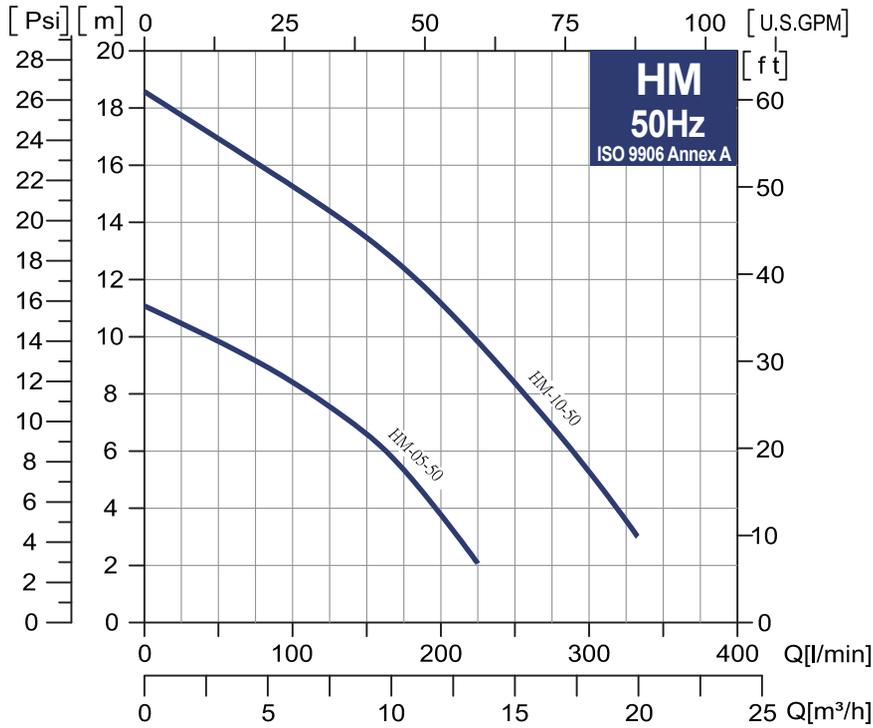
- Fluid Temperature: 0 to 40°C

Material

No.	Component	Material
1	Cable	H07RN-F or VCT
2	Handle	Nylon6+30GF
3	Motor cover	ADC-12
4	Bearing cap	SECC
5	Motor frame	ADC-12
6	M.Seal Bracket	FC200
7	Cable Base	Nylon6+30GF
8	Motor Shaft	AISI410
9	Mechanical seal	CA / CE, SIC/SIC
10	Oil Seal	NBR70
11	Impeller	FC25
12	Pump casing	FC200
13	Flange	FC200
14	Strainer	PVC



Performance curves



Cable
M

Q=Capacity				
l/min	0	100	200	300
m³/h	0	6	12	18
H=Total manometric head				
HM 05M50	11.0	8.6	3.6	—
HM 10M50	18.6	15.3	11.6	5.7

Technical data

Single phase

Model	Power		Nominal Current [A]		Capacitort	Connection	Discharge [inch]	Head		Flow		Solid Passage [mm]	Cable [M]	N.W. [kg]
	HP	kW	220 - 240V	220-240V [UF] [V]				Rated [M]	Max. [M]	Rated [L/min]	Max. [L/min]			
HM-05M50	0.5	0.37	2.7 - 2.5	12 450	flange	2"	7	11.0	140	225	10	10	12.9	
HM-05MA50														
HM-10M50	1	0.75	5.8 - 5.4	20 450	flange	2"	10	18.6	230	335	10	10	15.1	
HM-10MA50														
HM-10M80	1	0.75	5.8 - 5.4	20 450	flange	3"	10	18.6	230	335	10	10	15.1	
HM-10MA80														

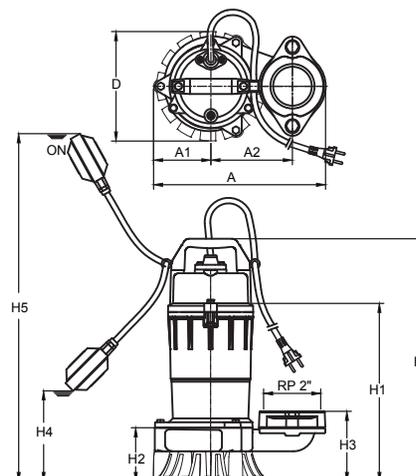
A = Auto Float Switch

Three phase

Model	Power		Nominal Current [A]		Connection	Discharge [inch]	Head		Flow		Solid Passage [mm]	Cable [M]	N.W. [kg]
	HP	kW	220 - 240V	380 - 415V			Rated [M]	Max. [M]	Rated [L/min]	Max. [L/min]			
HM-05T50	0.5	0.37	2.2 - 2.0	1.3 - 1.2	flange	2"	7	11.0	140	225	35	10	11.9
HM-10T50	1	0.75	3.6 - 3.4	2.1 - 1.9	flange	2"	10	18.6	230	335	35	10	14.1
HM-10T80	1	0.75	3.6 - 3.4	2.1 - 1.9	flange	3"	10	18.6	230	335	35	10	14.1

Dimensions and weights

Model	phase	Discharge [mm]									
		A	A1	A2	D	H	H1	H2	H3	H4	H5
HM-05-50	1 3	254	95	120	180	365	264	90	110	115	535
HM-10-50(80)	1 3	285	95	135	180	380	279	90	116	130	550



SD Submersible Drainage Pumps

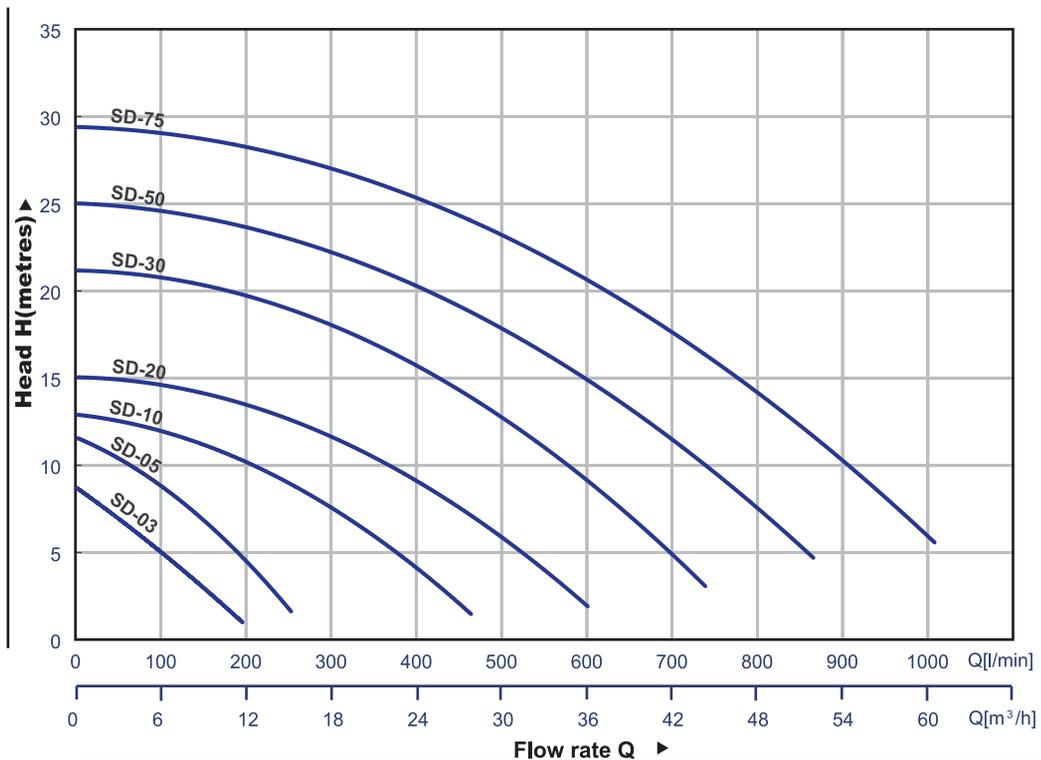
General Data/Material



Operating Conditions	Applications	Rain and spring water drainage for domestic and civil purposes
	Fluid Temperature	0 to 40 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
Pump	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
	Impeller	Effluent Impeller
	Shaft Seal/Material	Double Mechanical Seal and one Oil Seal
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	Nylon SS 41
Motor Cover	Cast Iron GJL 200
Seal Housing	Cast Iron GJL 200
Bracket	Cast Iron GJL 200
Oil Chamber	Cast Iron GJL 200
Pump Casing	Cast Iron GJL 200
Impeller	Cast Iron GJL 200
Strainer	AISI 304
Mechanical seal: Upper	CA/CE
Lower	Sic/Sic
Oil Seal	NBR
Shaft	AISI 410
Motor Housing	AISI 304

Characteristic curves N=2900 rpm



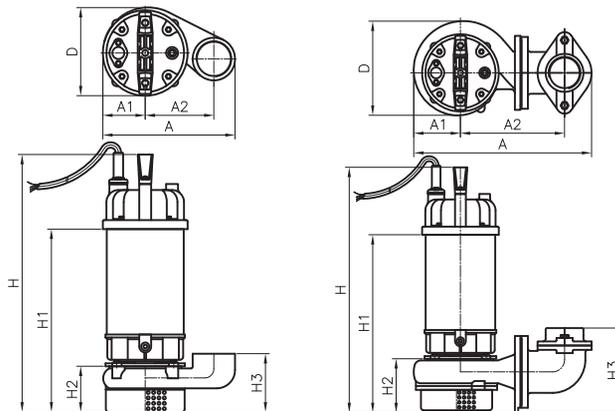
Specifications

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Solid Passage mm	N.W. kg	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM			
SD-03-50	1 / 3 (0.25)	2"	1φ/3φ	5	80	9	210	6	12.5	10
SD-05-50	1 / 2 (0.37)	2"	1φ/3φ	6	80	11	300	6	13.5	10
SD-10-50	1 (0.75)	2"	1φ/3φ	8	220	13	490	6	23.5	10
SD-20-50(80)	2 (1.5)	2"/3"	1φ/3φ	12	300	15	600	6	34	10
SD-30-50(80)	3 (2.2)	2"/3"	3φ	15	400	21	800	6	35	10
SD-50-80(100)	5 (3.7)	3"/4"	3φ	18	440	25	900	6	57	10
SD-75-80(100)	7.5 (5.5)	3"/4"	3φ	23	500	29	1100	6	63	10

SD-03-50 ~ SD-05-50: Thread Type
 SD-10-50: Elbow Type (2")
 SD-20-50(80): Elbow Type (2" or 3")

SD-50-80(100) ~ SD-75-80(100): Elbow Type (3" or 4")
 Auto Float Switches are available in Single-phase

Dimensions and Weights



Model	Dimension (mm)							
	A	A1	A2	D	H	H1	H2	H3
SD-03-50	221	71	115	141	348	235	76	97
SD-05-50	221	71	115	141	373	260	76	97
SD-10-50	330	86	193	173	451	327	99	155
SD-20-50(80)	403	103	250	212	536	388	110	164
SD-30-50(80)	403	103	250	212	556	408	110	164
SD-50-80(100)	463	110	260	227	605	440	132	215
SD-75-80(100)	463	110	260	227	645	480	132	215

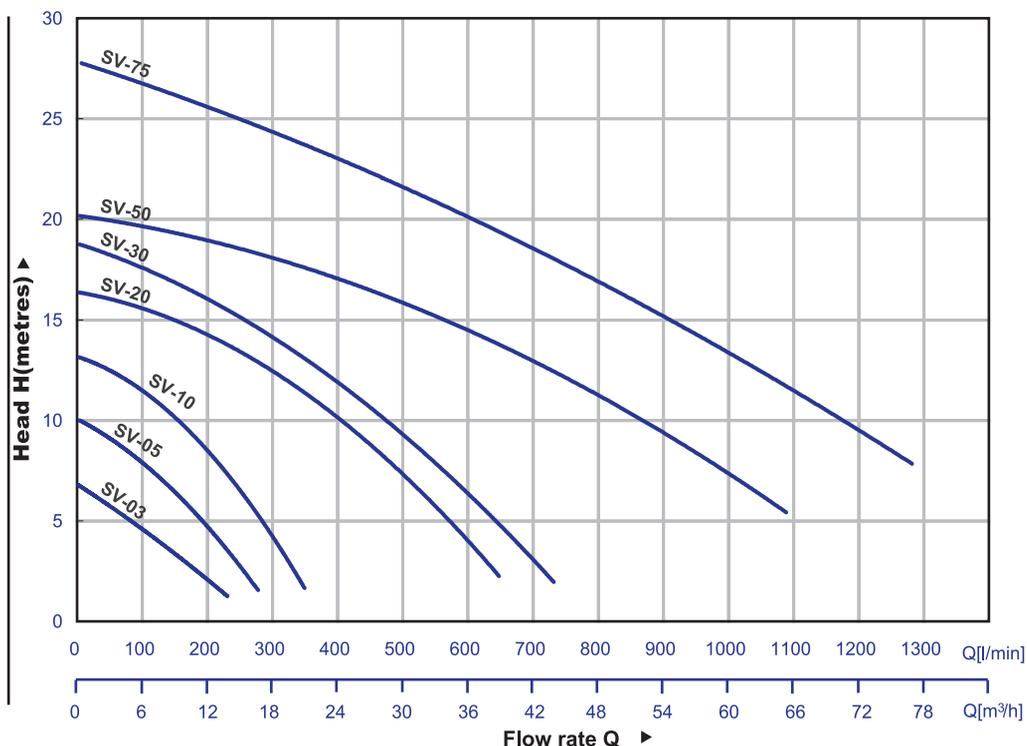
General Data/Material



Operating Conditions	Applications	Waste water and Sewage for domestic purposes
	Fluid Temperature	0 to 40 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
Pump	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
	Impeller	Vortex Impeller
	Shaft Seal/Material	Double Mechanical Seal and one Oil Seal
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	Nylon SS 41
Motor Cover	Cast Iron GJL 200
Seal Housing	Cast Iron GJL 200
Bracket	Cast Iron GJL 200
Oil Chamber	Cast Iron GJL 200
Pump Casing	Cast Iron GJL 200
Impeller	Cast Iron GJL 200
Mechanical seal: Upper	CA/CE
Lower	Sic/Sic
Oil Seal	NBR
Shaft	AISI 410
Motor Housing	AISI 304

Characteristic curves N=2900 rpm



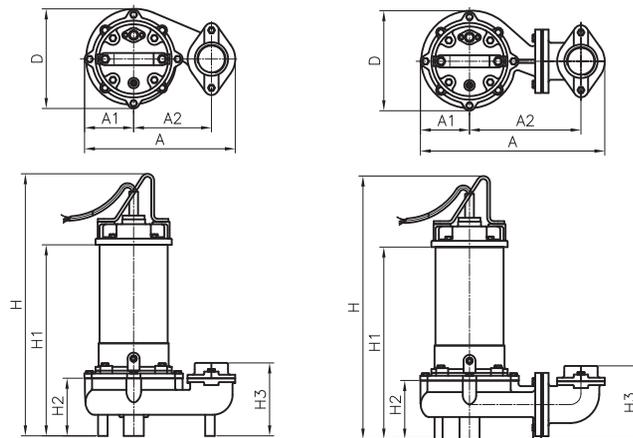
Specifications

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Solid Passage mm	N.W. kg	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM			
SV-03-50	1/3 (0.25)	2"	1φ/3φ	4	120	7	220	35	12.5	10
SV-05-50	1/2 (0.37)	2"	1φ/3φ	6	150	10	280	35	13.5	10
SV-10-50	1 (0.75)	2"	1φ/3φ	8	200	13.5	350	35	18.5	10
SV-20-50(80)	2 (1.5)	2"/3"	1φ/3φ	10	400	17	650	35	34	10
SV-30-50(80)	3 (2.2)	2"/3"	3φ	11	450	19	750	35	35	10
SV-50-80(100)	5 (3.7)	3"/4"	3φ	15	550	20	1100	50	57	10
SV-75-80(100)	7.5 (5.5)	3"/4"	3φ	20	600	28	1200	50	63	10

SV-03-50 ~ SV-05-50: Threaded Flange Type
 SV-10-50: Threaded Flange Type or Elbow Type (2")

SV-20-50(80) ~ SV-30-50(80): Elbow Type (2" or 3")
 SV-50-80(100) ~ SV-75-80(100): Elbow Type (3" or 4")
 Auto Float Switches are available in Single-phase

Dimensions and Weights



Model	Dimension (mm)							
	A	A1	A2	D	H	H1	H2	H3
SV-03-50	222	73	115	145	385	272	113	133
SV-05-50	222	73	115	145	410	297	113	133
SV-10-50	222	73	115	149	464	340	113	133
SV-20-50(80)	387	103	234	208	548	400	122	153
SV-30-50(80)	387	103	234	208	568	420	122	153
SV-50-80(100)	459	110	256	227	638	471	160	220
SV-75-80(100)	459	110	256	227	678	511	160	220

SVN Submersible Vortex Sewage Pumps

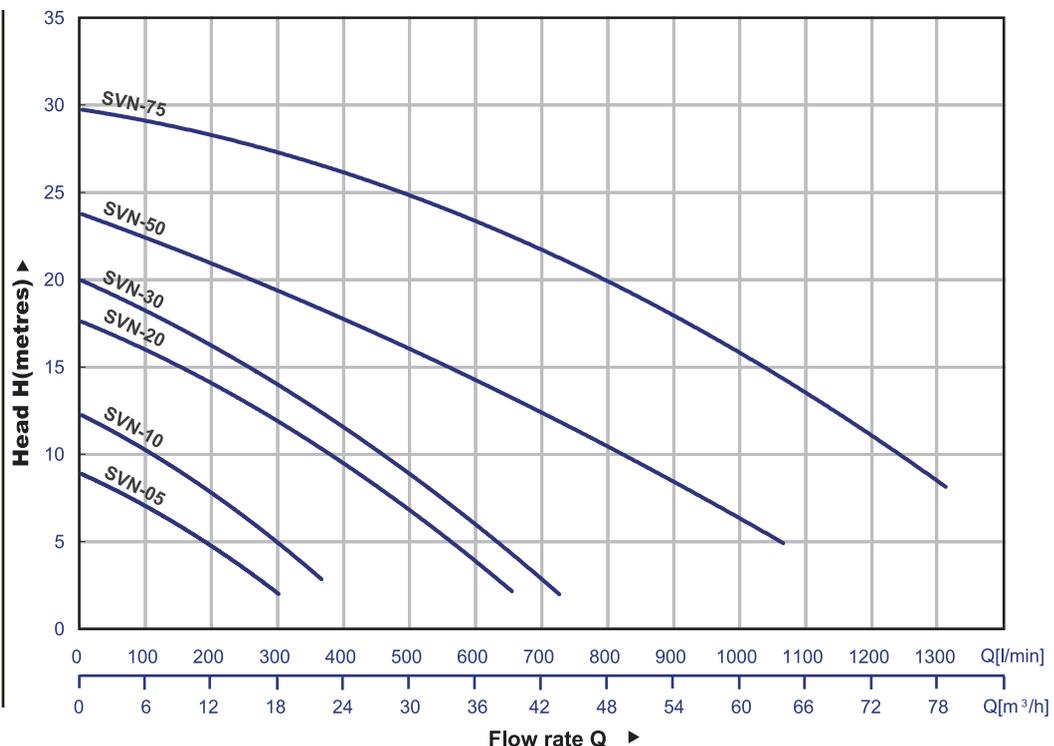
General Data/Material



Operating Conditions	Applications	Waste water and Sewage for domestic and industrial purposes
	Fluid Temperature	0 to 40 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
Pump	Impeller	Vortex Impeller
	Shaft Seal/Material	Double Mechanical Seal and one oil Seal
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	AISI 304
Motor Cover	AISI 316
Seal Housing	AISI 316
Bracket	Cast Iron GJL 200
Oil Chamber	AISI 316
Pump Housing	AISI 316
Impeller	AISI 316
Mechanical seal: Upper	CA/CE
Lower	Sic/Sic
Oil Seal	VITON
Shaft	AISI 316
Motor Housing	AISI 316

Characteristic curves N=2900 rpm



Specifications

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Solid Passage mm	N.W. kg	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM			
SVN-05-50	1/2 (0.37)	2"	1 ϕ /3 ϕ	6	150	9	300	35	13.5	10
SVN-10-50	1 (0.75)	2"	1 ϕ /3 ϕ	8	200	13	400	35	18.5	10
SVN-20-50(80)	2 (1.5)	2"/3"	1 ϕ /3 ϕ	12	300	18	700	35	34	10
SVN-30-50(80)	3 (2.2)	2"/3"	3 ϕ	13	350	20	750	35	35	10
SVN-50-80(100)	5 (3.7)	3"/4"	3 ϕ	15	550	24	1100	50	57	10
SVN-75-80(100)	7.5 (5.5)	3"/4"	3 ϕ	20	700	30	1300	50	63	10

SVN-05-50: Thread Type

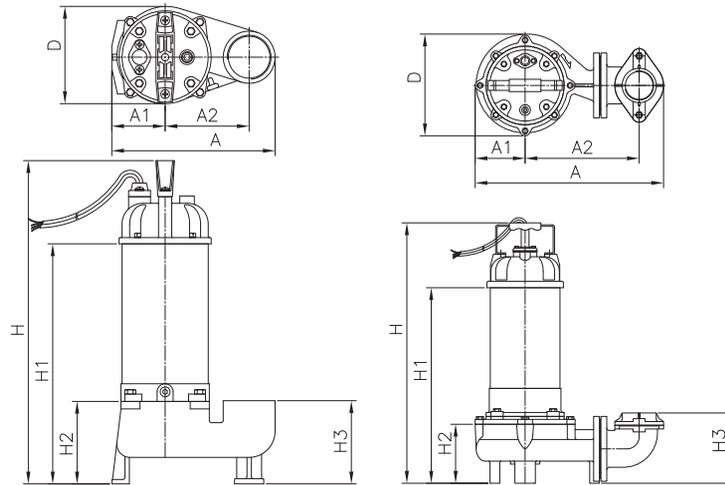
SVN-10-50: Thread Type or Elbow Type (2")

SVN-20-50(80) ~ SVN-30-50(80): Elbow Type (2" or 3")

SVN-50-80(100) ~ SVN-75-80(100): Elbow Type (3" or 4")

Auto Float Switches are available in Single-phase

Dimensions and Weights



Model	Dimension (mm)							
	A	A1	A2	D	H	H1	H2	H3
SVN-05-50	224	73	115	132	409	296	112	113
SVN-10-50	224	73	115	132	439	326	112	113
SVN-20-50(80)	387	103	234	205	530	398	120	143
SVN-30-50(80)	387	103	234	205	550	418	120	143
SVN-50-80(100)	459	110	256	230	641	471	160	220
SVN-75-80(100)	459	110	256	230	681	511	160	220

SC Submersible Cutter Sewage Pumps

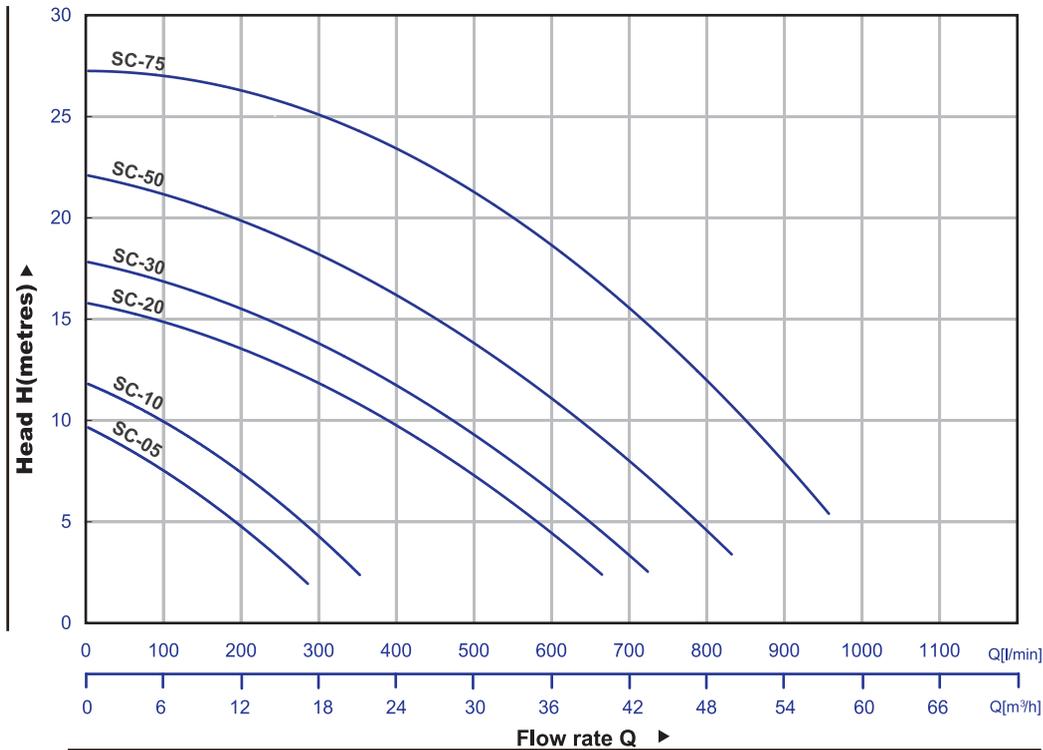
General Data/Material



Operating Conditions	Applications	Waste water for domestic and civil purposes
	Fluid Temperature	0 to 40 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
	Protection Device	Thermal Protector
Pump	Impeller	Semi-Open Impeller with Tungstein Carbide Edge
	Shaft Seal/Material	Double Mechanical Seal and one oil Seal
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	Nylon SS 41
Motor Cover	Cast Iron GJL 200
Seal Housing	Cast Iron GJL 201
Bracket	Cast Iron GJL 202
Oil Chamber	Cast Iron GJL 203
Pump Casing	Cast Iron GJL 204
Impeller	Cast Iron GJS 450
Mechanical seal: Upper	CA/CE
Lower	Sic/Sic
Oil Seal	NBR
Cutter edge	Tungsten
Shaft	AISI 410
Motor Housing	AISI 304

Characteristic curves N=2900 rpm



Specifications

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Solid Passage mm	N.W. kg	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM			
SC-05-50	1/2 (0.37)	2"	1φ/3φ	6	150	8	300	22	13.5	10
SC-10-50	1 (0.75)	2"	1φ/3φ	8	180	12	400	22	18.5	10
SC-20-50(80)	2 (1.5)	2"/3"	1φ/3φ	10	400	16	700	22	34	10
SC-30-50(80)	3 (2.2)	2"/3"	3φ	12	400	18	750	22	35	10
SC-50-80(100)	5 (3.7)	3"/4"	3φ	15	450	22	900	28	57	10
SC-75-80(100)	7.5 (5.5)	3"/4"	3φ	20	550	28	1000	28	63	10

SC-05-50: Threaded Flange Type

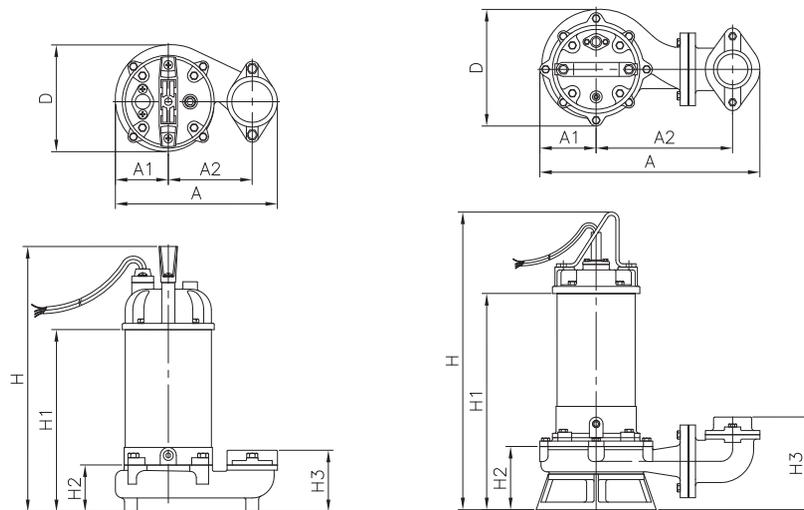
SC-10-50: Threaded Flange type or Elbow Type

SC-20-50(80)~SC-30-50(80): Elbow Type (2" or 3")

SC-50-80(100)~SC-75-80(100): Elbow Type (3" or 4")

Auto Float Switches are available in Single-phase

Dimensions and Weights



Model	Dimension (mm)								
	A	A1	A2	D	H	H1	H2	H3	
SC-05-50	222	73	115	145	372	259	75	95	
SC-10-50	Flange	222	73	115	149	427	303	75	95
	Elbow	336	93	193	188	454	330	103	159
SC-20-50(80)	1Ø	403	103	250	212	561	413	115	169
	3Ø	403	103	250	212	541	393	115	169
SC-30-50(80)	403	103	250	212	561	413	115	169	
SC-50-80(100)	463	110	260	227	610	445	137	220	
SC-75-80(100)	463	110	260	227	650	485	137	220	

SA Submersible Agitator Sewage Pumps

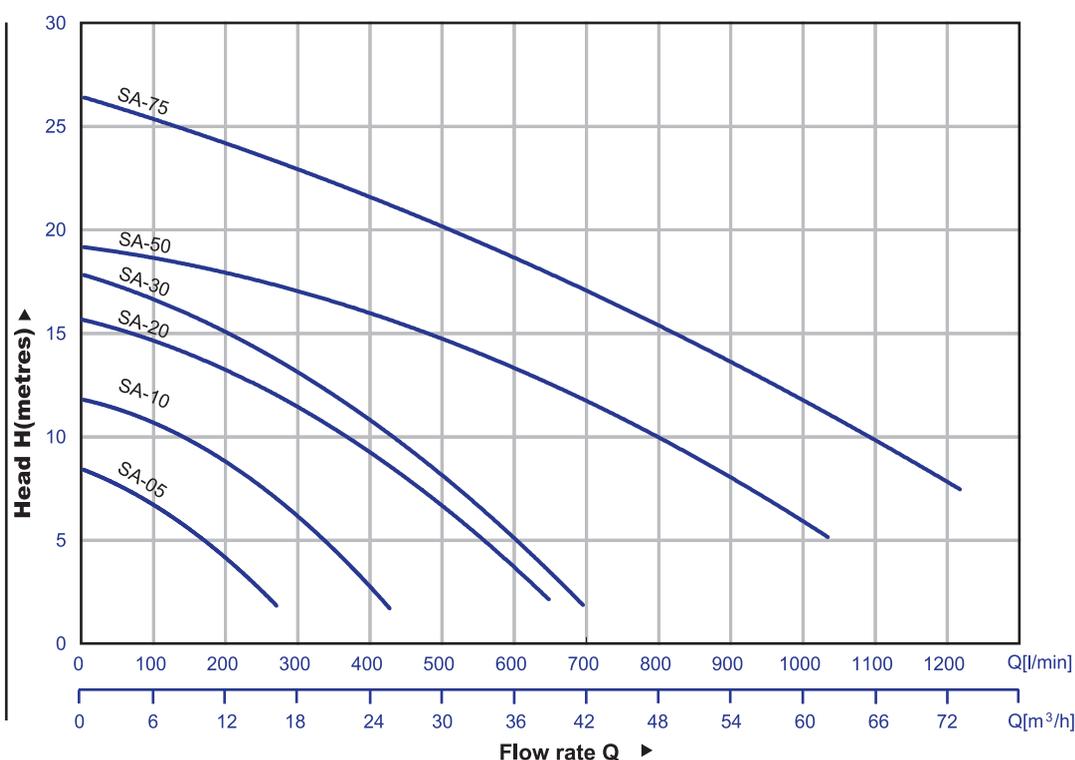
General Data/Material



Operating Conditions	Applications	Waste water for domestic and civil purposes
	Fluid Temperature	0 to 40 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
Pump	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
	Impeller	Vortex Impeller
	Shaft Seal/Material	Double Mechanical Seal and one oil Seal
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	Nylon SS 41
Motor Cover	Cast Iron GJL 200
Seal Housing	Cast Iron GJL 200
Bracket	Cast Iron GJL 200
Oil Chamber	Cast Iron GJL 200
Pump Casing	Cast Iron GJL 200
Impeller	Cast Iron GJL 200
Agitator	AISI 316
Mechanical seal: Upper	CA/CE
Lower	Sic/Sic
Oil Seal	NBR
Shaft	AISI 410
Motor Housing	AISI 304

Characteristic curves N=2900 rpm



Specifications

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Solid Passage mm	N.W. kg	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM			
SA-05-50	1/2 (0.37)	2"	1 ϕ /3 ϕ	6	130	8	300	20	13.5	10
SA-10-50	1 (0.75)	2"	1 ϕ /3 ϕ	8	180	12	400	20	18.5	10
SA-20-50(80)	2 (1.5)	2"/3"	1 ϕ /3 ϕ	10	350	16	650	20	34	10
SA-30-50(80)	3 (2.2)	2"/3"	3 ϕ	11	400	18	700	20	35	10
SA-50-80(100)	5 (3.7)	3"/4"	3 ϕ	15	500	19	1000	35	57	10
SA-75-80(100)	7.5 (5.5)	3"/4"	3 ϕ	20	600	27	1100	35	63	10

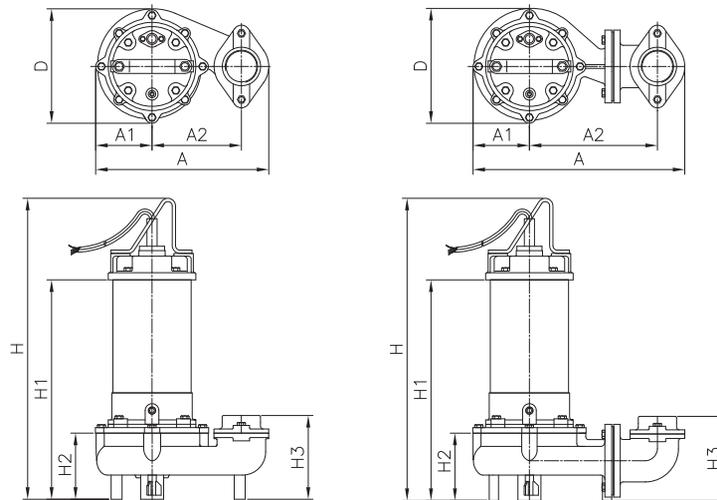
SA-05-50: Threaded Flange Type

SA-10-50: Threaded Flange type or Elbow Type

SA-20-50(80)~SA-30-50(80): Elbow Type (2" or 3")

SA-50-80(100)~SA-75-80(100): Elbow Type (3" or 4")
Auto Float Switches are available in Single-phase

Dimensions and Weights



Model	Dimension (mm)							
	A	A1	A2	D	H	H1	H2	H3
SA-05-50	222	73	115	145	410	297	113	133
SA-10-50	222	73	115	149	464	340	113	133
SA-20-50(80)	387	103	234	208	548	400	122	153
SA-30-50(80)	387	103	234	208	568	420	122	153
SA-50-80(100)	459	110	256	227	638	471	160	220
SA-75-80(100)	459	110	256	227	678	511	160	220

Guide Rail System

Selection Table

Model	Connections	Guide Rail Models				
		TS-50	TM-50(80)	TL-80(100)	STM-50(80)	STL-80(100)
		Materials				
		FC200	FC200	FC200	SUS316	SUS316
SD-03-50	elbow		▲			
SD-05-50	thread			NOT AVAILABLE		
SD-05-50	elbow		▲			
SD-10-50	thread			NOT AVAILABLE		
SD-10-50	elbow		●			
SD-20-5(80)	elbow		●			
SD-30-50(80)	elbow		●			
SD-50-80(100)	elbow			●		
SD-75-80(100)	elbow			●		
SV-3-50	thread/flange	●				
SV-05-50	thread/flange	●				
SV-05-50	elbow		▲			
SV-10-50	thread/flange	●				
SV-10-50	elbow		▲			
SV-20-50(80)	elbow		●			
SV-30-50(80)	elbow		●			
SV-50-80(100)	elbow			●		
SV-75-80(100)	elbow			●		
SVN-05-50	thread/flange			NOT AVAILABLE		
SVN-05-50	elbow				▲	
SVN-10-50	thread/flange			NOT AVAILABLE		
SVN-10-50	elbow				▲	
SVN-20-50(80)	elbow				●	
SVN-30-50(80)	elbow				●	
SVN-50-80(100)	elbow					●
SVN-75-80(100)	elbow					●
SC-05-50	thread/flange	●				
SC-05-50	elbow		▲			
SC-10-50	thread/flange	●				
SC-10-50	elbow		▲			
SC-20-50(80)	elbow		●			
SC-30-50(80)	elbow		●			
SC-50-80(100)	elbow			●		
SC-75-80(100)	elbow			●		
SA-05-50	thread/flange	●				
SA-05-50	elbow		▲			
SA-10-50	thread/flange	●				
SA-10-50	elbow		▲			
SA-20-50(80)	elbow		●			
SA-30-50(80)	elbow		●			
SA-50-80(100)	elbow			●		
SA-75-80(100)	elbow			●		



TS



TM



TL

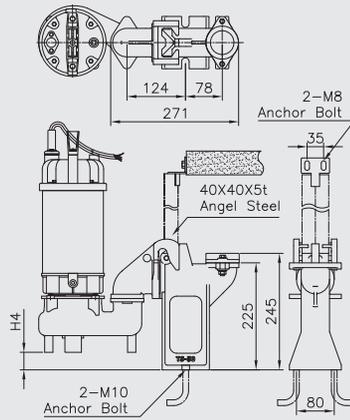
TS Model: Angle type, 2" Discharge

TM Model: Tube type, available 2" or 3" Discharge

TL Model: Tube type, available 3" or 4" Discharge

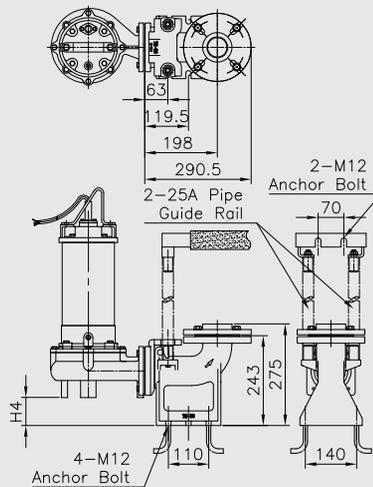
▲ PUMPS WITH NON-STANDARD CONNECTIONS. IF TM-Tube Type Guide Rail to be used. Consult STAIRS.

TS



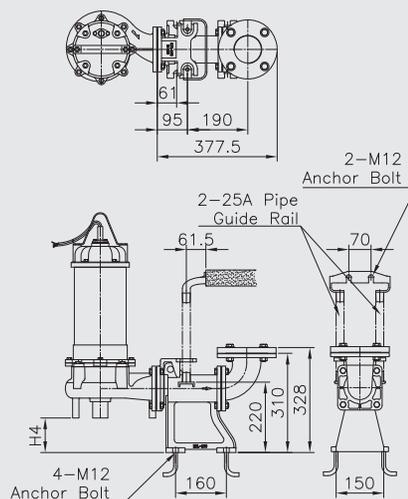
TS-50 Guide Rail			
Model	Output		Dimensions
	HP	kW	H4(mm)
SV-03-50	1/3	0.25	37
SV-05-50	1/2	0.37	37
SV-10-50	1	0.75	37
SA-05-50	1/2	0.37	37
SA-10-50	1	0.75	37
SC-05-50	1/2	0.37	75
SC-10-50	1	0.75	75
HM-05-50	1/2	0.37	65

TM



TM-50(80) Guide Rail			
Model	Output		Dimensions
	HP	kW	H4(mm)
SV-20-50/80	2	1.5	76
SV-30-50/80	3	2.2	76
SA-20-50/80	2	1.5	76
SA-30-50/80	3	2.2	76
SD-03-50	1/3	0.25	78
SD-05-50	1/2	0.37	78
SD-10-50	1	0.75	78
SD-20-50/80	2	1.5	65
SN-30-50/80	3	2.2	65
SC-20-50/80	2	1.5	60
SC-30-50/80	3	2.2	60
SVN-05-50	1/2	0.37	76
SVN-10-50	1	0.75	76
SVN-20-50/80	2	1.5	76
SVN-30-50/80	3	2.2	76

TL



TL-80(100) Guide Rail			
Model	Output		Dimensions
	HP	kW	H4(mm)
SV-50-80/100	5	3.7	110
SV-75-80/100	7.5	5.5	110
SA-50-80/100	5	3.7	110
SA-75-80/100	7.5	5.5	110
SD-50-80/100	5	3.7	113
SD-75-80/100	7.5	5.5	113
SC-50-80/100	5	3.7	108
SC-75-80/100	7.5	5.5	108
SVN-50-80/100	5	3.7	108
SVN-75-80/100	7.5	5.5	108



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Subject to alterations