

HS • Submersible drainage pumps

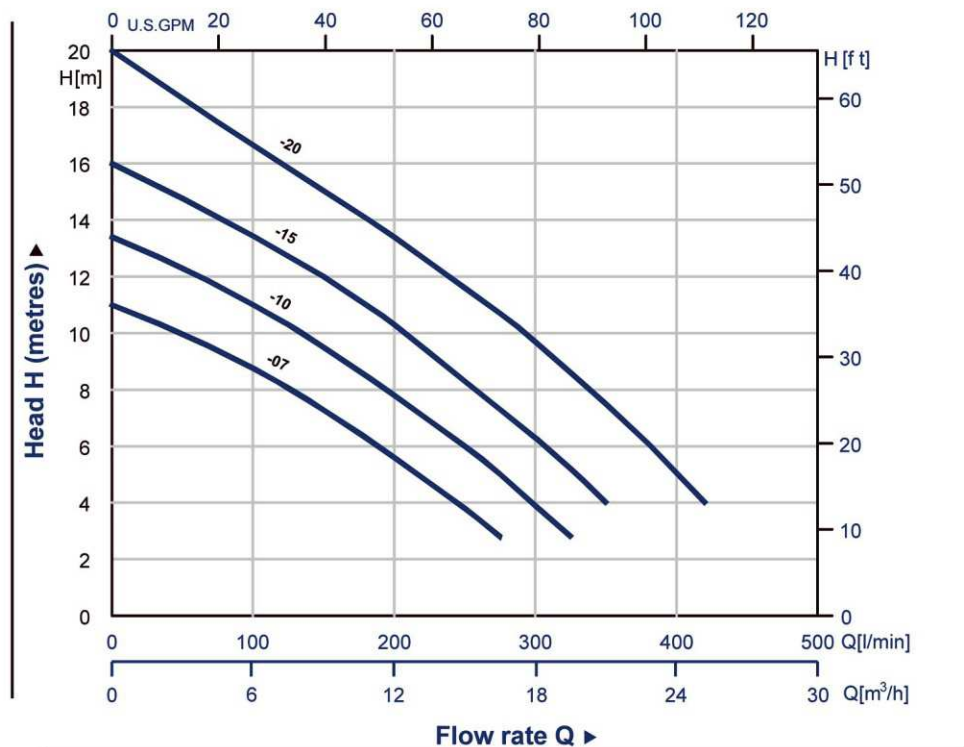
General data and material



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
Pump	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
	Impeller	Open Impeller
	Shaft Seal/Material	Single Mechanical Seal
	Bearing	Double-shielded Ball Bearing
	Solid Passage	8mm
	Maximum Immersion	7m

Component	Material
Cable	H07RN-F
Handle	AISI 304+Nylon
Motor Cover	AISI 304
Motor Housing	AISI 304
Fixing Ring	AISI 304
Pump Casing	AISI 304
Mechanical seal	Silicon Carbide/Silicon Carbide/NBR
Impeller	AISI 304
Key	AISI 304
Support Foot	AISI 304
Oil Seal	NBR
Shaft end	AISI 304
V-type Axial Oil Seal	NBR
Suction flange	AISI 304

Performance curves n=3450 RPM



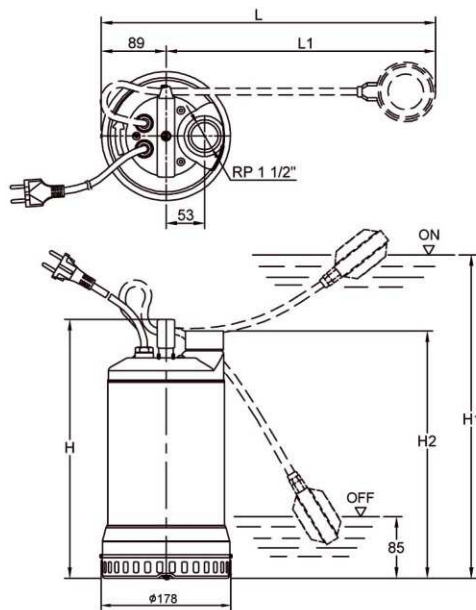
HS • Submersible drainage pumps

Performance specification

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Cable M
				Head M	Capacity LPM	Head M	Capacity LPM	
HS-07	0.75(0.55)	RP 1 1/2"	1φ/3φ	8.7	100	11	275	10
HS-10	1.0(0.75)	RP 1 1/2"	1φ/3φ	11	100	13.4	325	10
HS-15	1.5(1.1)	RP 1 1/2"	1φ/3φ	12	150	16	350	10
HS-20	2.0(1.5)	RP 1 1/2"	3φ	15	150	20	420	10

Auto Float Switches are available in Single-phase

Dimensions and weight



SINGLE-PHASE

Model	Dimension (mm)					Weight Kg
	H	H1	H2	L	L1	
HS-07	357	437	341	459	370	12
HS-10	407	497	391	514	425	15
HS-15	407	497	391	514	425	17

THREE-PHASE

Model	Dimension (mm)		Weight Kg
	H	H2	
HS-07	357	341	12
HS-10	357	341	12
HS-15	407	391	15
HS-20	407	391	17

HT • Submersible Vortex sewage pumps

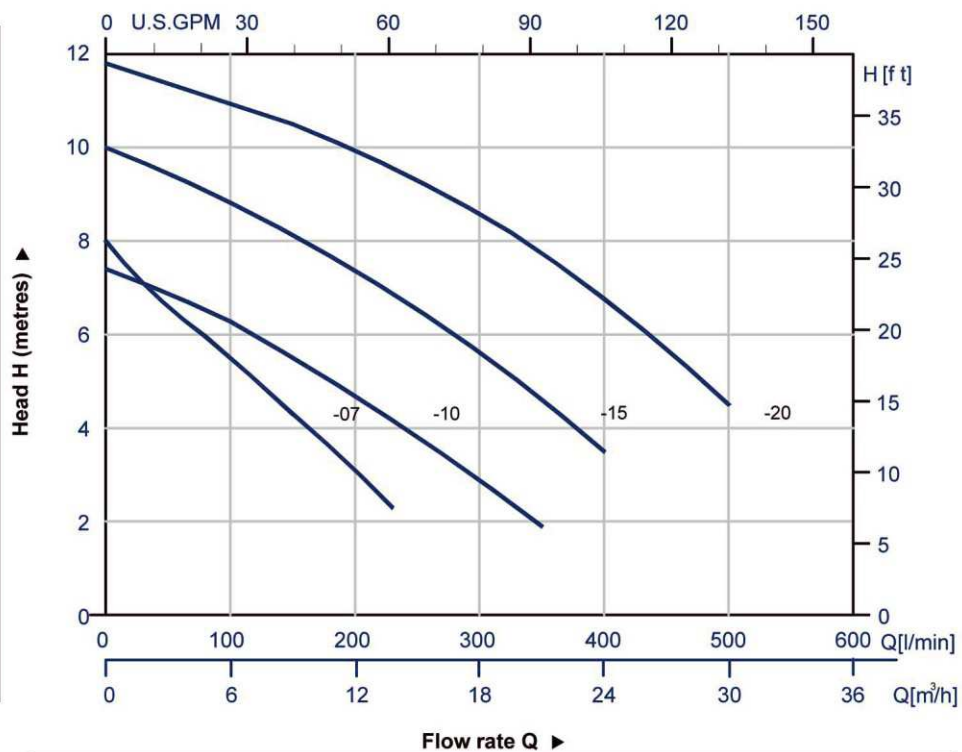
General data and material



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
Pump	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
	Impeller	Vortex Impeller
	Shaft Seal/Material	Single Mechanical Seal
	Bearing	Double-shielded Ball Bearing
	Solid Passage	35mm:For model with 0.75hp 50mm:For model with 1hp to 2hp
	Maximum Immersion	5m

Component	Material
Cable	H07RN-F
Handle	AISI 304+Nylon
Motor Cover	AISI 304
Motor Housing	AISI 304
Fixing Ring	AISI 304
Pump Casing	AISI 304
Mechanical seal	Silicon Carbide/Silicon Carbide/NBR
Impeller	AISI 304
Key	AISI 304
Support Foot	AISI 304
Oil Seal	NBR
Shaft end	AISI 304
V-type Axial Oil Seal	NBR
Suction flange	AISI 304

Performance curves n=3450 RPM



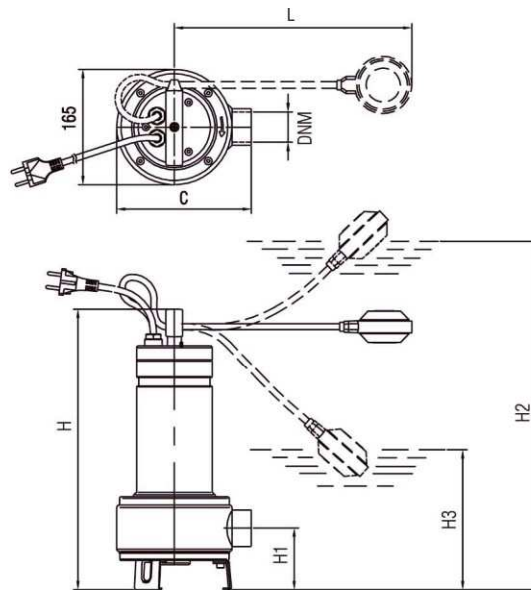
HT • Submersible Vortex sewage pumps

Performance specification

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Cable M
				Head M	Capacity LPM	Head M	Capacity LPM	
HT-07	0.75/0.55	RP1 1/2"	1 ϕ /3 ϕ	5.9	80	8	230	5
HT-10	1.0/0.75	RP 2"	1 ϕ /3 ϕ	6.3	100	7.4	350	10
HT-15	1.5/1.1	RP 2"	1 ϕ /3 ϕ	8.8	100	10	400	10
HT-20	2.0/1.5	RP 2"	3 ϕ	10.5	150	11.8	500	10

Auto Float Switches are available in Single-phase

Dimensions and weight



SINGLE-PHASE

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

THREE-PHASE

Model	Dimension (mm)				
	H	H1	C	DNM	Weight Kg
HT-07	403	88	193	RP1 1/2"	11
HT-10	436	111.5	198	RP 2"	12
HT-15	486	111.5	198	RP 2"	14
HT-20	486	111.5	198	RP 2"	15