

 STAIRS

XV series

60Hz

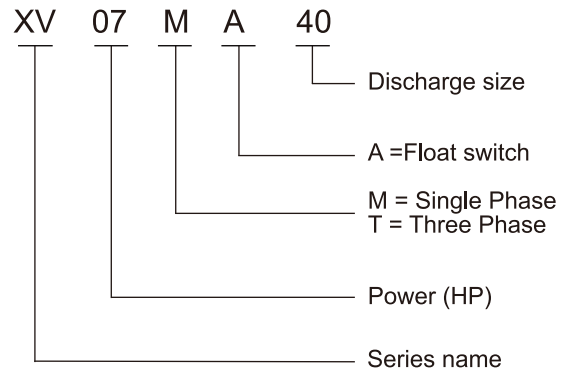
Submersible Drainage Pumps



STAIRS INDUSTRIAL CO., LTD.



Model code



Applications

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

Motor Data

- Motor Type : 2 POLE , dry type
- Frequency : 60Hz
- Nominal Speed : 3450 rpm
- Insulation Class : F class (155°C)
- Enclosure Protection Class : IP 68
- Protection Device :
Thermal Protector (Single phase)

Pump Data

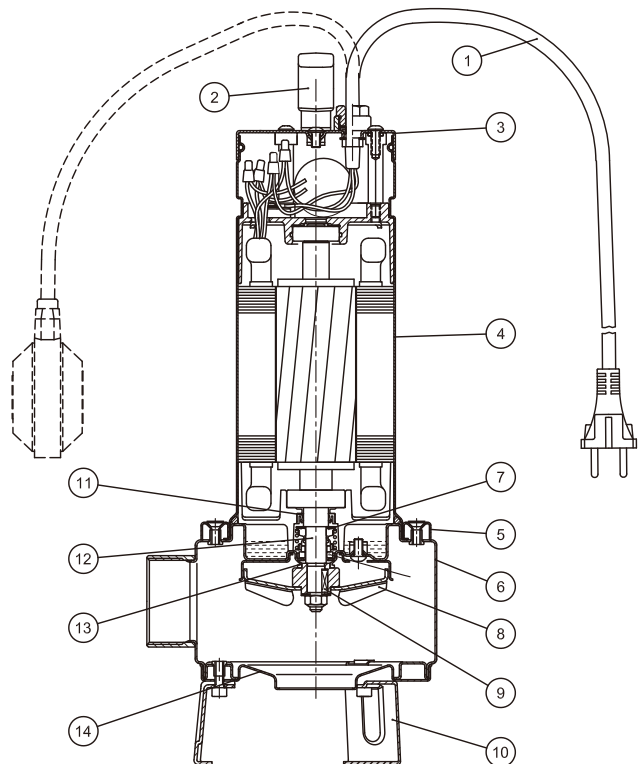
- Impeller : Open Impeller
- Shaft Seal / Mechanical :
Double Seals
- Bearing :
Double-shielded Ball Bearing

Operation Conditions

- Fluid Temperature: 0 to 35°C (95°F)

Material

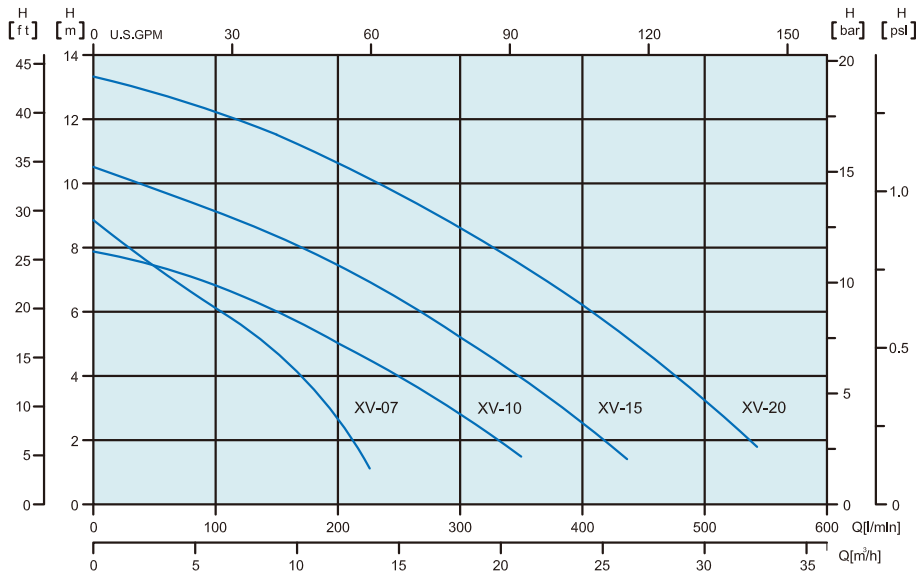
No.	Component	Material
1	Cable	H07RN-F
2	Handle	AISI 304+Nylon
3	Motor Cover	AISI 304
4	Motor Casing	AISI 304
5	Fixing Ring	AISI 304
6	Pump Casing	AISI 304
7	Mechanical seal	Sic /Sic / NBR
8	Impeller	AISI 304
9	Key	AISI 304
10	Support Foot	AISI 304
11	Oil Seal	NBR
12	Shaft	AISI 304
13	V-type Axial Oil Seal	NBR
14	Suction flange	AISI 304



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Performance Curves



Technical Data

Single Phase

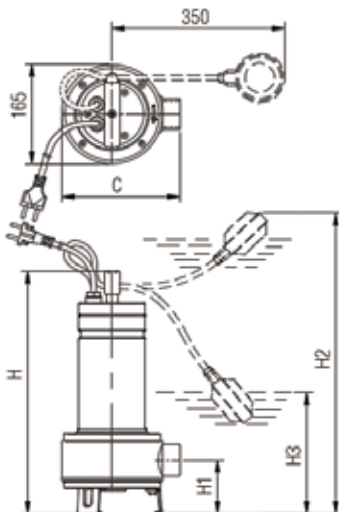
Model	Power		Current(A)		Capacitoret		Head		Flow		Discharge inch
	HP	Kw	110-127V	220-230V	110-127V UF / V	220-230V UF / V	Rated (M)	Max (M)	Rated (L/min)	Max (L/min)	
XV 07-M-40	0.75	0.55	8.8-8.0	4.7-4.5	20UF 350V	20UF 450V	6.5	8.8	80	230	1 1/2"
XV 07-MA-40											
XV 10-M-50	1.0	0.75	11.0-10.3	5.7-5.5	35UF 350V	22UF 450V	6.8	8.0	100	350	2"
XV 10-MA-50											
XV 15-M-50	1.5	1.1	-	8.0-7.7	-	30UF 450V	9.0	10.7	100	430	
XV 15-MA-50											

A = Auto Float Switch

Three Phase

Model	Power		Current(A)			Head		Flow		Discharge inch
	HP	Kw	220-230V	380-440V	460-480V	Rated (M)	Max (M)	Rated (L/min)	Max (L/min)	
XV 07-T-40	0.75	0.55	3.1-3.0	1.8-1.7	1.7-1.8	6.5	8.8	80	230	1 1/2"
XV 10-T-50	1.0	0.75	4.4-4.2	2.5-2.4	2.4-2.6	6.8	8.0	100	350	2"
XV 15-T-50	1.5	1	5.0-4.8	2.9-2.8	2.6-2.8	9.0	10.5	100	430	
XV 20-T-50	2.0	1.5	6.2-5.9	3.6-3.4	3.2-3.3	11.5	13.5	150	540	

Dimensions



Model	Discharge[mm]					Solid Passage [mm]	Cable		N.W. [kg]
	H	H1	H2	H3	C		H07 RN-F	M	
XV 07-M-40	403	88.0	483	185	193	35	3G1.0mm²	5	9.0
								10	10.0
XV 07-MA-40	403	88.0	483	185	193	50	3G1.0mm²	5	10.0
								10	10.5
XV 10-M-50	486	111.5	566	268	198	50	3G1.0mm²	10	14.0
XV 10-MA-50	486	111.5	566	268	198	50	3G1.0mm²	10	14.5
XV 15-M-50	486	111.5	566	268	198	50	3G1.5mm²	10	16.0
XV 15-MA-50	486	111.5	566	268	198	50	3G1.5mm²	10	16.5
XV 07-T-50	403	88.0	-	-	193	35	4G1.0mm²	5	11.0
XV 10-T-50	436	111.5	-	-	198	50	4G1.0mm²	10	12.0
XV 15-T-50	486	111.5	-	-	198	50	4G1.0mm²	10	14.0
XV 20-T-50	486	111.5	-	-	198	50	4G1.5mm²	10	16.0



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