

 STAIRS

X1 60Hz

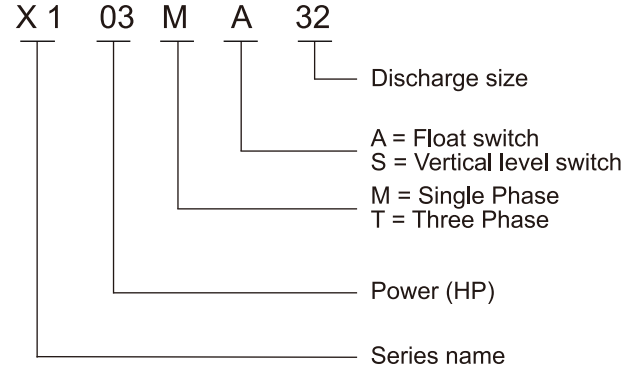
Submersible Drainage Pumps



STAIRS INDUSTRIAL CO., LTD.



Model Code



Feature

Compact design with Top Discharge Outlet reduces space usage for installation in small manholes, for use in domestic, installations and small featured works. Two different types of lever sensors :

- Mechanical activated float switch with cable extender (A)
- Vertical Mechanical activated Float Switch with casement (S)

Top discharged cools and removes heat from the motor through the outlet. It allows these pumps to be used even when only partially submerged. Every model undergoes hydrostatic testing for leakage from the casing and mechanical seals.

Applications

- Domestic drainage
- Grey water drainage.
- Koi pond
- Light waste water discharge.
- Hydro-sanitary
- Fountain and landscape
- Drainage pumping.
- Livestocks
- Emergencies flooding pumping

Motor Data

- Motor Type : 2 POLE , dry type
- Frequency : 60Hz
- Nominal Speed : 3450 rpm
- Insulation Class : F class (155°C)

Operation Conditions

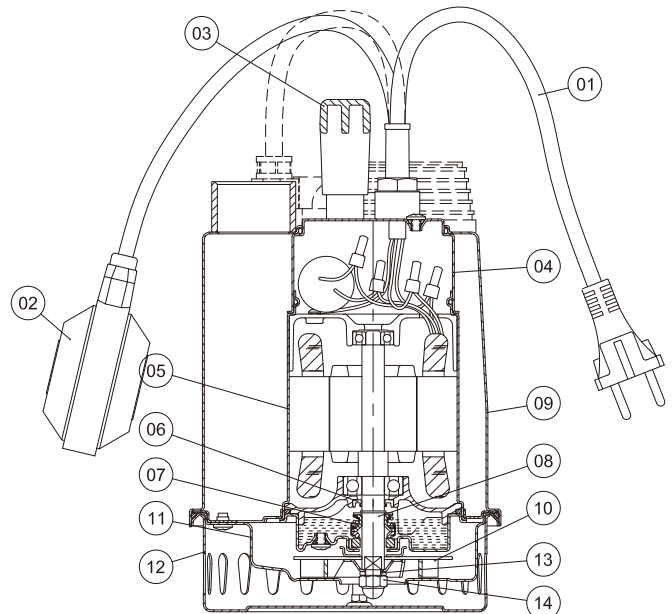
- Fluid Temperature: 0 to 50°C (122°F)
- MAX.depth : Maximum 5M

Pump Data

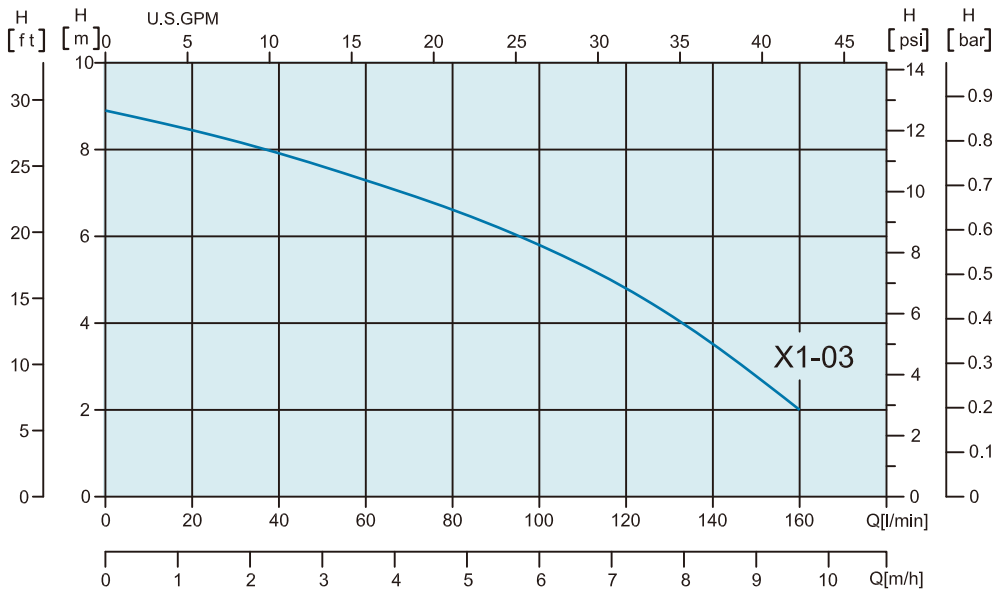
- Enclosure Protection Class : IP 68
- Protection Device : Thermal Protector (Single phase)
- Insulation Class : F class (155°C)
- Bearing : Double sealed with steel cage
- Mechanical seal : unbalance single mechanical seal bath in oil with spring type oil seal

Material

No.	Component	Material
1	Cable	H05RN-F
2	Float switch	Plastic
3	Handle	NY66+G30
4	Motor cover	AISI 304
5	Motor housing	AISI 304
6	Oil Seal	NBR
7	Mechanical seal	Carbon Graphite Ceramic / NBR/ 304
8	Shaft	AISI 410
9	Pump housing	AISI 304
10	Impeller	AISI 304
11	Pump casing	AISI 304
12	Strainer	AISI 304
13	Spring washer	AISI 304
14	Hex Domed Nuts	AISI 304



Performance Curves



Technical Data

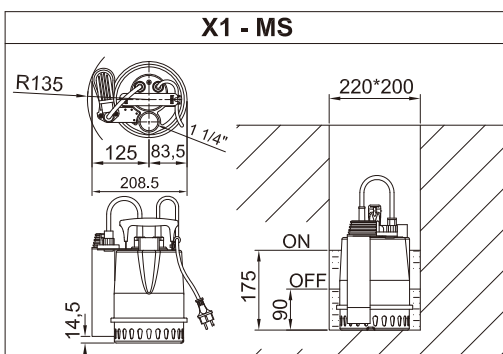
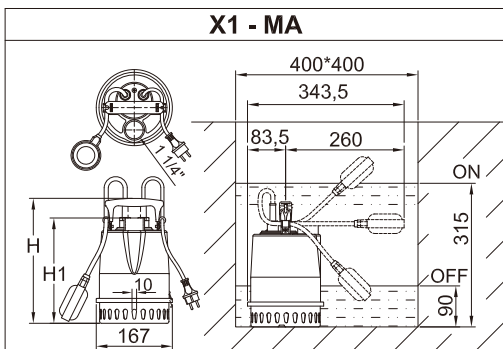
Single Phase

Model	Power		Current(A)		Capacitoret		Head		Flow		Discharge inch
	HP	Kw	110-127V	220-230V	110-127V U F / V	220-230V U F / V	Rated (M)	Max (M)	Rated (L/min)	Max (L/min)	
X1 03M-32	0.33	0.25	4.6-4.0	2.1-2.0	20UF 250V	6.3UF 450V	6.5	8.7	85	160	1 1/4"
X1 03MA-32											
X1 03MS-32											

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)	
X1 03T-32	0.33	0.25	1.4-1.3	0.7-0.6	0.6-0.5	6.5	8.7	85	160	1 1/4"

Dimensions

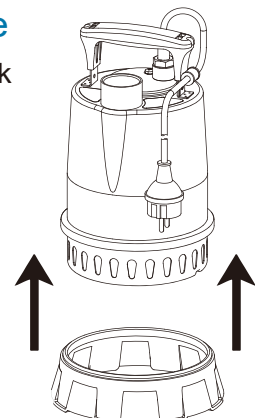


Model	Discharge[mm]		Solid Passage [mm]	Cable		N.W. [kg]
	H	H1		H05 RN-F	M	
X1 03M-32	274	231	10	3G0.75mm²	10	5.4
X1 03MA-32						5.7
X1 03MS-32						5.8
X1 03T-32	274	231	10	4G0.75mm²	10	5.4

Optional minimum suction device

The minimum suction device allows to suck the liquid to 3mm from the ground. (starting from at least 10mm)

The automatic playing of the pump hdoesn't allow to the minimum suction device to suck out the liquid up to 3mm from ground level.





 **STAIRS**

No. 3-8, Sanchial Tsun, Lutsao Hsiang, Chiayi County, Taiwan
Tel :+886 5 3750488 Fax:+886 5 3752330
www.stairs.com.tw E-mail:stairs@stairs.com.tw

1130820