



WATER PUMP

Sewage Lifting Station

New solutions for commercial and residential sewage upgrading



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MSLR150 series (Double pump)

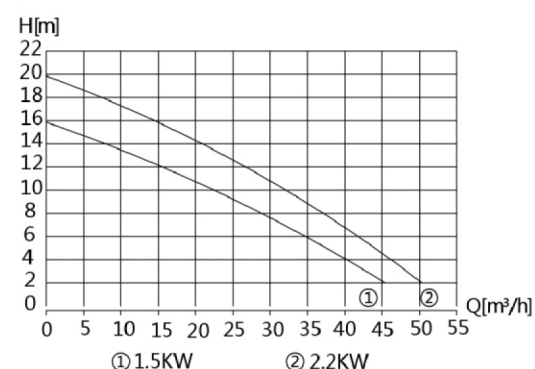


Product description

MSLR 150 series is mainly used to discharge domestic sewage generated in public places such as large villas,multiple bathrooms, small shopping malls and so on.The dual pump system is mutually standby. Under normal conditions, the dual pumps operate alternate -ly, and the dual pumps can be started at the same time when the flow is peak. If one of the pumps fails the system will automatically switch to the single-pump operation mode to shield the failed pump and display an alarm, which greatly improves the service life of the equipment and maintenance costs. The power supply is: 380V/220V.

MSLR 150 series cabinet is made of corrosion-resistant and environmentally friendly polyethylene PE material, which has good airtightness and durability.The cabinet has a volume of about 150L.It reserves multi-directional optional vertical and horizontal water inlets for easy installation.

Performance curve



Performance parameter

- ※ The pump is a non-blocking vortex impeller, and the power of the optional material is 1.5KW~2.2KW
- ※ Pump body material HT250, SUS304
- ※ Vortex impeller material HT250, shaft material sus410
- ※ The maximum flow diameter is 60mm
- ※ The maximum starting times of water pump are 120 times / h
- ※ The cable length between standard controller and water pump / floating ball is 5m
- ※ DN80 check valve included
- ※ Outlet diameter DN80 vertical outlet (variable diameter)
- ※ Starting mode: air pressure / floating ball double level control, original double protection
- ※ Waterproof grade: IP68 (excluding control box)
- ※ Anti floating fixed installation (anchor bolt)

Technical parameter

Model	The volume of water collecting tank is about(L)	Overflow diameter (mm)	Water inlet flange	Outlet flange	Outlet pipe	Ventilation tube	Weight (kg)
MSLR150L150D	150	60	DN150/DN100optional	DN80	DN80	DN40	127
MSLR150L220D	150	60	DN150/DN100optional	DN80	DN80	DN40	135

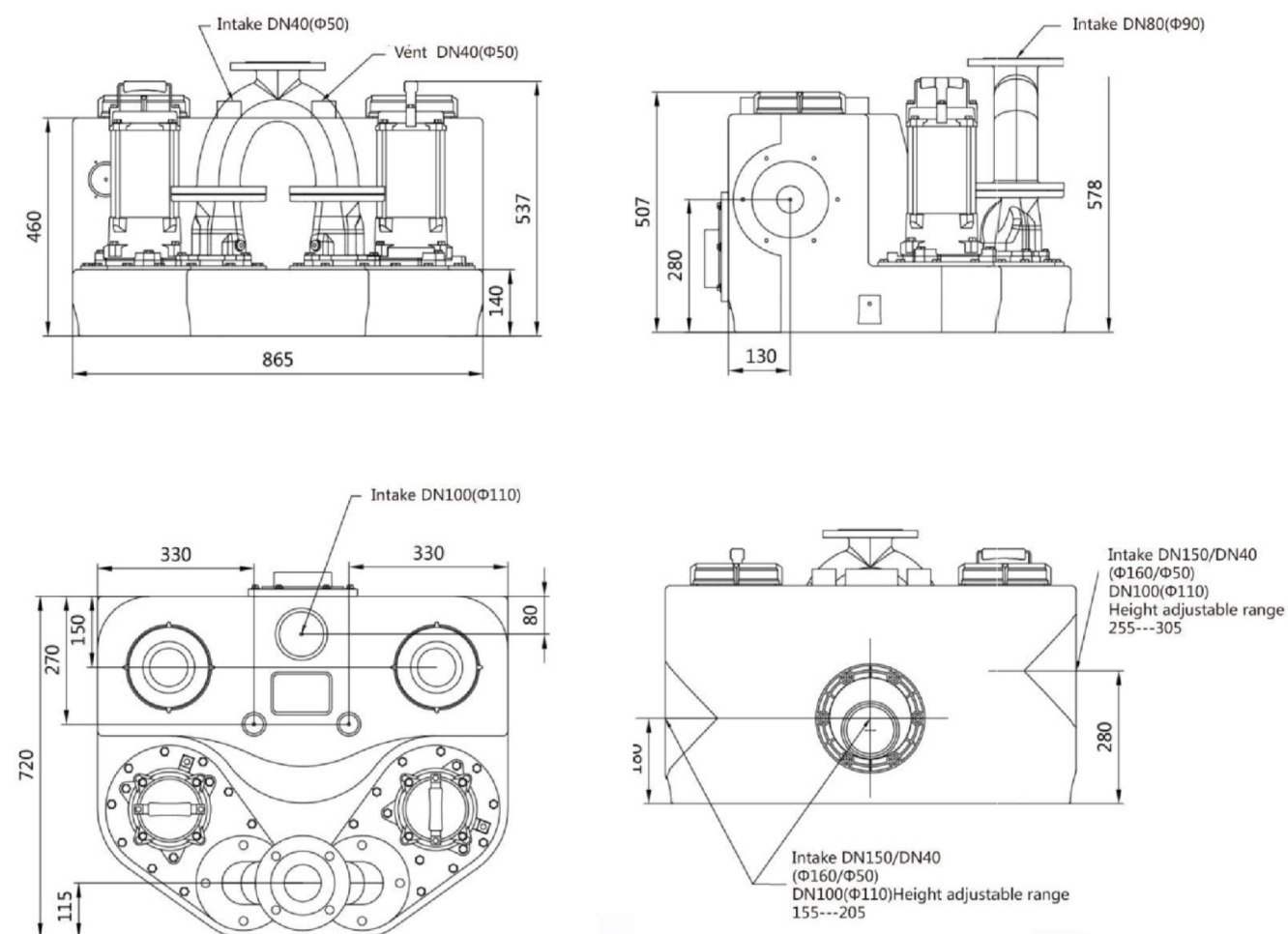
Selection table

Model	Power (KW)	Voltage (V)	Current (A)	Effluent caliber	Lift (m)	2	4	6	8	10	12	14	16	18
MSLR150L150D	1.5	220	7.6	DN80	Flow (m³/h)	45	38	33	27	21	14	7		
MSLR150L220D	2.2	220	11.2			50	45	41	36	31	26	20	12	7
MSLR150L150D	1.5	380	3.2			45	38	33	27	21	14	7		
MSLR150L220D	2.2	380	5.8			50	45	41	36	31	26	20	12	7

Accessories list

Number	Accessories description	Specification and size	Number	Remarks
1	Controller	NK-2	1	Standard configuration
2	Ventilation flexible connection	DN40	1	Standard configuration
3	Soft connection of water inlet	DN100	1	Standard configuration
4	Soft connection of water outlet	DN80	1	Standard configuration
5	Water inlet flange	DN100	1	Standard configuration
6	Outlet flange	DN80	1	Standard configuration
7	Water inlet stop valve	DN100	1	Matching
8	Water outlet stop valve	DN80	1	Matching
9	Water outlet stop valve of auxiliary pump	DN40	1	Matching
10	Auxiliary pump	/	1	Matching

Equipment dimension drawing



- 1.The box body is made of corrosion-resistant and environmentally friendly polyethylene PE material with good airtightness
- 2.The box volume is about 150 liters.Multiple water inlets are optional, suitable for different installation scenarios
3. Easy and quick installation
4. IP68 waterproof design
- 5.The dual pump system can serve as backup for each other, evenly distribute the workload, improve efficiency and save energy.
- 6.Contains check valve

● Application

Suitable for discharging domestic sewage generated in public places such as large villas, multiple toilets, small shopping malls, etc.

● Pumping Medium

Domestic wastewater and sewage
Wastewater from commercial premises

● Impeller

Vortex impeller
Semi-open impeller, capable of producing eddy current,suitable for treatment of liquid containing multisundry, fibrous substances.

● Pump body material

HT250, SUS304

● Control mode

Air pressure/float dual liquid level control, original double protection.

● Protect

Control box:Ip54
External mainframe part of the power control box:IP68
Water pump built-in motor protector(overload,overheating protection)

● Maximum number of pump starts:

120 times per hour

Installation diagram

