



HYDROJACK 75

Automatic Wastewater Lifting Station

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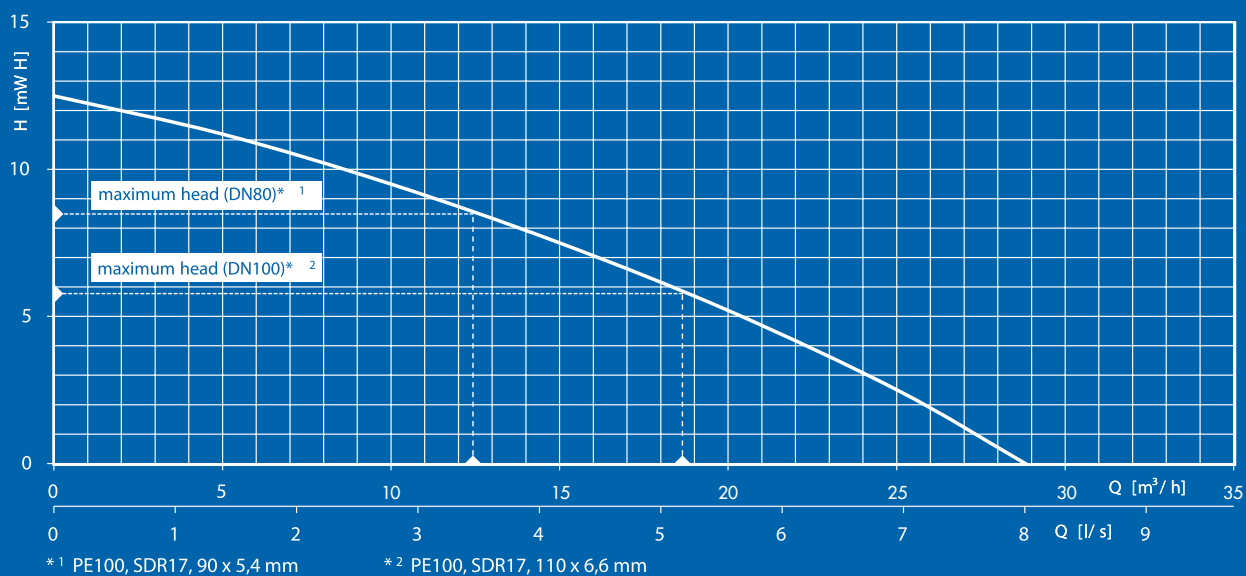


* + accessories reducers (DN40 Ø40, DN50 Ø50, DN65 Ø75, DN80 Ø90)

APPLICATION

- Hygienic collection and pumping of domestic waste water from a kitchen, bathroom, cellar and garage
- Suitable for grey and black water
- Building dewatering to improve the reliability of prevention of backwash from the sewer and to pump away sewage where the source is below the backwash level
- Automatic and manual emptying
- Smell- and flood proof unit
- Quality lifting station in full compliance with standard DIN EN 12050-1
- Attractive design which also suits an installation where the unit is visible

PERFORMANCE CURVE



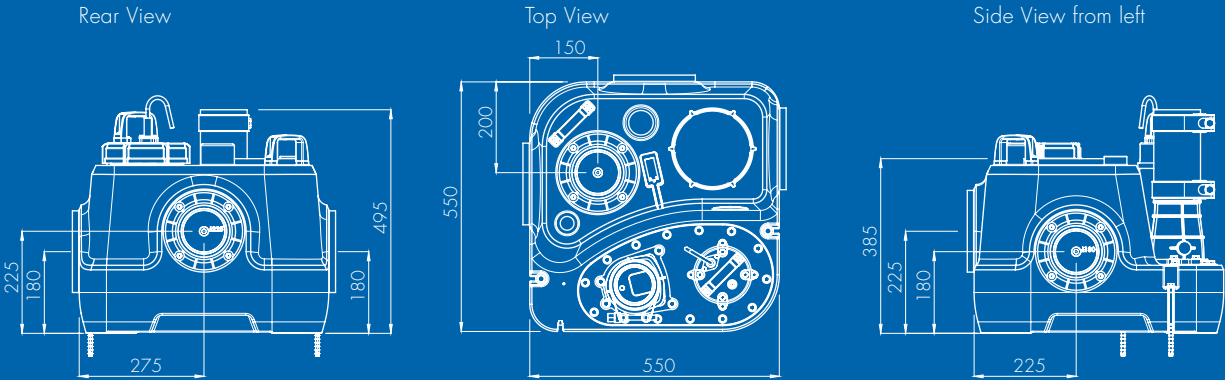
GENERAL INFORMATION

Volume of tank	Inflow height horizontal	Inflow height vertical	Solid passage	Venting	Dimension of inlet	Discharge
75 litre	2 x 180 mm 1 x 225 mm	1 x 385 mm	50 mm	DN65 – 75 mm	DN100 – 110 mm	DN80 – 90 mm

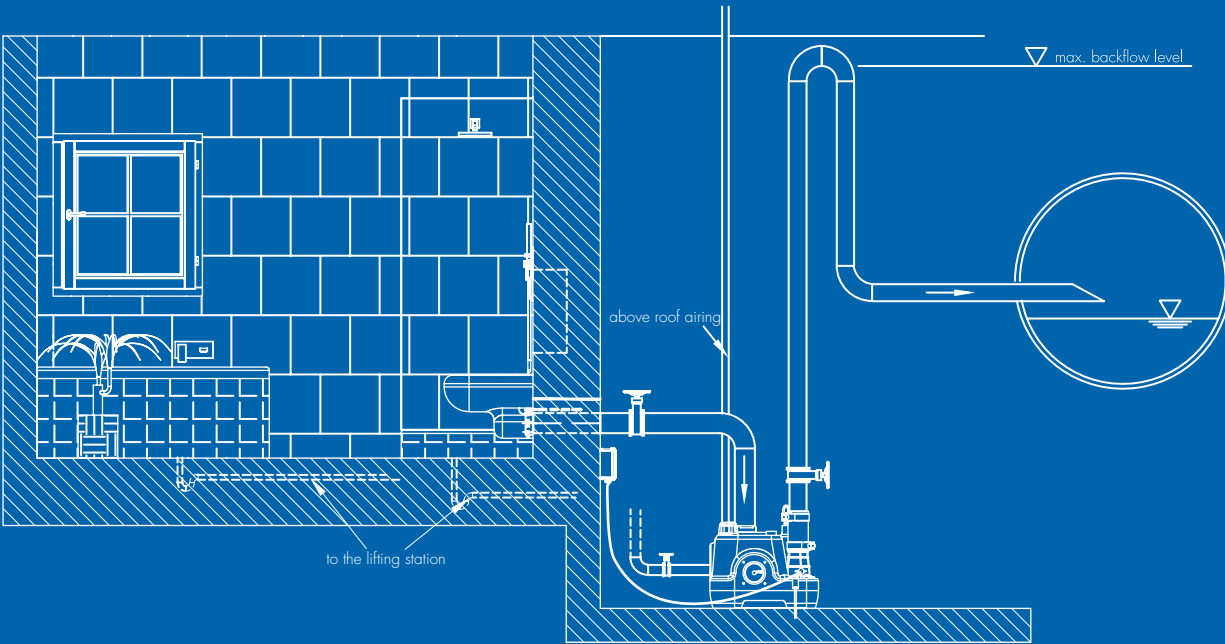
ELECTRICAL DATA

Mains connection	Voltage range	Motor power	Nominal speed	Maximum current	Power cable length from control unit	Power cable length from control unit to lifting station
1~230V 50Hz	207– 253 V	P2 approx. 750 W	2850 rpm	6.7 A	approx. 4.0 m	approx. 4.0 m

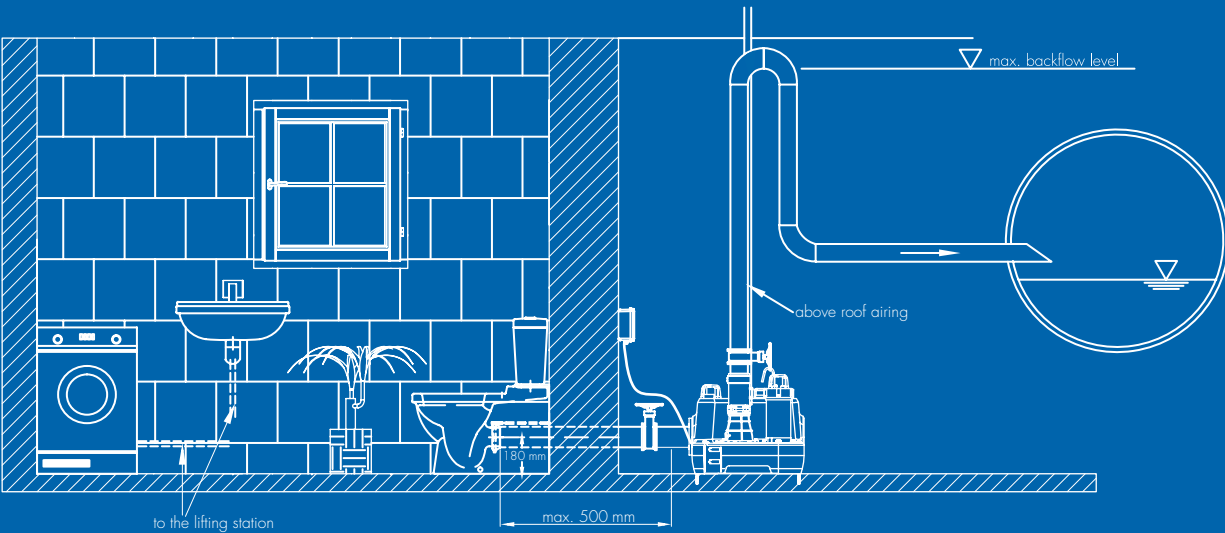
DIMENSIONS (mm)



INSTALLATION EXAMPLE RECESSED MODEL



INSTALLATION EXAMPLE FLOOR LEVEL MODEL



TECHNICAL DATA

General

- Unit is ready for "Plug & Play"
- Flood proof
- With built-in non return valve
- Long life tanks due to high quality components
- All tools needed for installation are supplied with the unit
- Adaptor for inlet sizes from DN40 to DN100 supplied with the unit
- User-friendly design with all hydraulic components on one platform
- All fasteners made of stainless steel
- Connection options for a range of inlets and quick connection to the discharge line

Pump

- Sewage pump with vortex impeller of solid cast iron
- Free solids passage 50 mm
- Can be run dry
- Mechanical seal with oil reservoir which can be checked for correct functioning
- Stainless steel motor housing
- Robust bearings

Tank

- PE tank with long operating life and resistant to chemicals
- A Minimum of residues formation thanks to a floor form designed for efficient emptying
- Can also be placed on uneven surfaces
- Resistant to floating and easy installation by use of anchor bolts
- Ergonomic transport and fitted with lifting handles for easy manoeuvrability
- Optimised tank dimensions for tight locations and for easy transport and installation
- Useful volume up to 75 litres

Level control

- The level control function is completely outside the tank
- Reliable operation even where the effluent contains high proportions of grease or oil thanks to contactless level control
- Status LED on each sensor
- Contactless level measurement to industry standard

Non Return Valve (NRV)

- Use of standard components to industry standards
- Compact design

OPTIONAL

Control functions

- The unit can be expanded by means of intelligent controls smartSCADA to smartmachine
- Machine to machine communication (M2M)
- Mobile access to the unit via mobile phone
- The capability of access by mobile phone is already installed in each unit (optional activation possible at any time)
- Intelligent evaluation of level and operating status
- Connection of an external evaluation unit by means of potential free contacts
- Online portal for monitoring of individual units or a larger number of units in, for example, a housing estate
- Condition monitoring/plant availability monitoring
- Intelligent micro-processor control
- Automatic maintenance indication

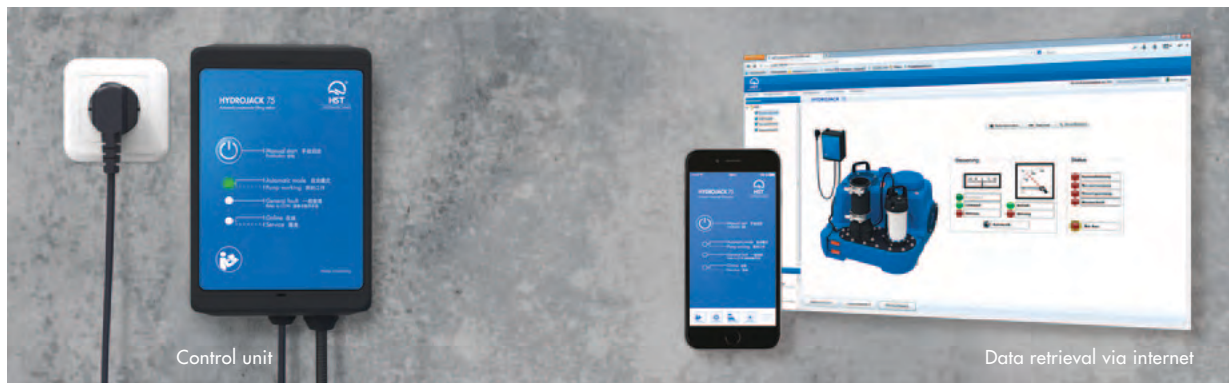
- Retrieval of actual- and historical operating and functioning data as standard function by means of SmartSCADA
- Fault signalling by potential free contacts

Data retrieval via internet

- Run hours
- Number of switching cycles
- Pumped volume over a specified period in m³
- Energy consumption in kWh over a specified period
- Current status relating to operation/standby, liquid level in the tank, information if pump is blocked



SMART MACHINE



TECHNOLOGY FROM GERMANY

- Easy and fast installation by "Plug & Play", the tools are supplied with the unit
- Hygienic, quiet and reliable operation
- Powerful waste water pumping using a vortex impeller
- Development and production in Germany
- Long life components to industry standard
- Flood proof unit with anti-flotation security
- Ergonomic transport and installation handles
- Fasteners of stainless steel
- Compact tank dimensions
- Chemical resistant tank
- Simple control system
- M2M communication and remote maintenance monitoring available
- Useful volume up to 75 litres



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