

US 75-US 155

SUBMERSIBLE DRAINAGE PUMP

- 50 mm free passage
- Run dry protection
- Controllable oil chamber
- SiC mechanical seal
- Replaceable moisture sealed cable inlet
- Fluid temperature 40 °C



DESCRIPTION

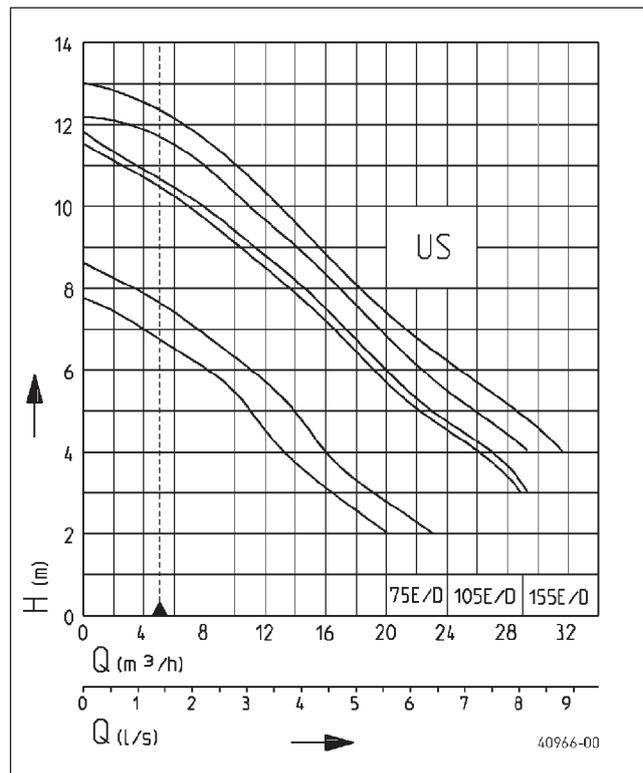
The centrifugal submersible drainage pumps US 75-155 are suitable for dealing with notably contaminated water and capable of handling solids up to 50 mm particle size. With their free passage of 50 mm, these pumps are able to pump solids and fibers quickly, reliably and above all without blockage.

For easy removal of the pumps from deep sumps we recommend the use of our guide rail systems which provide ease of maintenance and inspection. A controllable oil chamber and wear-resistant mechanical seal ensure a long service life. The integrated winding thermostats protect the motor from overload.

Maximum cable length is 10 m.

The sewage pumps are tested by the German Institute for Construction Engineering and correspond to the valid construction and test principles.

PERFORMANCE



Type	Delivery head H [m]	2	3	4	5	6	7	8	9	10	11	12
US 75 ES	Flow rate Q [m³/h]	20	16	13	10	7	4					
US 105 ES			28	25	22	19	16	13	10	7	3	
US 155 ES				29	26	22	20	16	14	11	8	2

Specifications can be changed without notice. Performance subject to ISO 9906 tolerances. This data is represented in the performance curve as a limit of application.

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SCOPE OF SUPPLY

Pump ready for connection with 10 m cable. US 75, US 103 and 155 with 3 flat-pin ANZ plug.

MECHANICAL DATA

Pump	Vertical single-stage
Free passage	50 mm
Bearing	Ball bearings, grease-lubricated
Seal on motor side	Duplex rotary shaft seals
Oil chamber	Yes

Seal on medium side	SiC mechanical seal
Run dry protection	Yes
Impeller	Vortex impeller, GFK
Submersible	Yes
Pressure outlet	2" FI

ELECTRICAL DATA

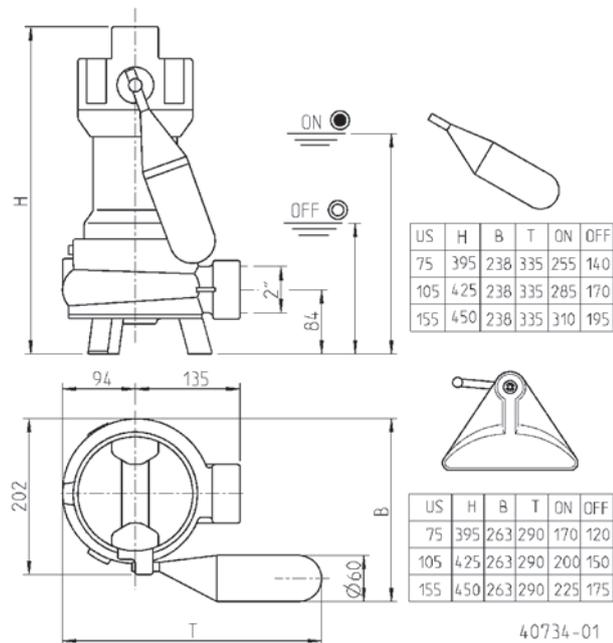
Power line	10m H07RN-F
Type of enclosure	IP 68

Insulation class	B
Winding thermostat	Yes

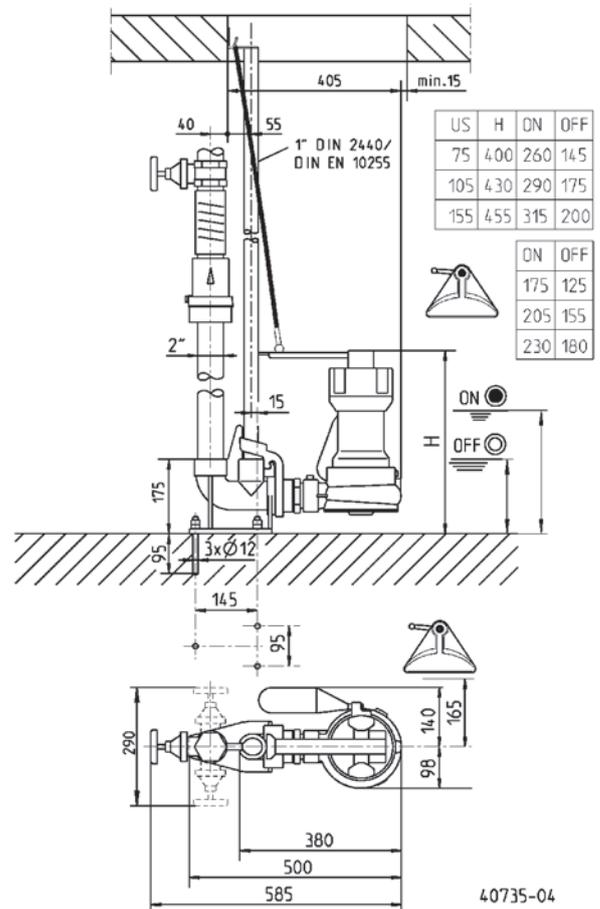
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Type	Code No.	Voltage	Motor rating		Current	Wires	Motor protection	Plug	Weight
			P1	P2					
With built-in level control									
US 75 ES	JP44809	1/N/PE~230 V	0.83 kW	0.50 kW	3.9 A	3G1,0	Integrated	ANZ	13.0 kg
US 105 ES	JP44177	1/N/PE~230 V	1.37 kW	0.98 kW	6.0 A	3G1,0	Integrated	ANZ	14.6 kg
US 155 ES	JP09389	1/N/PE~230 V	1.60 kW	1.21 kW	7.5 A	3G1,0	Integrated	ANZ	16.3 kg

Dimensions and switching points US 75 up to US 155 (mm)



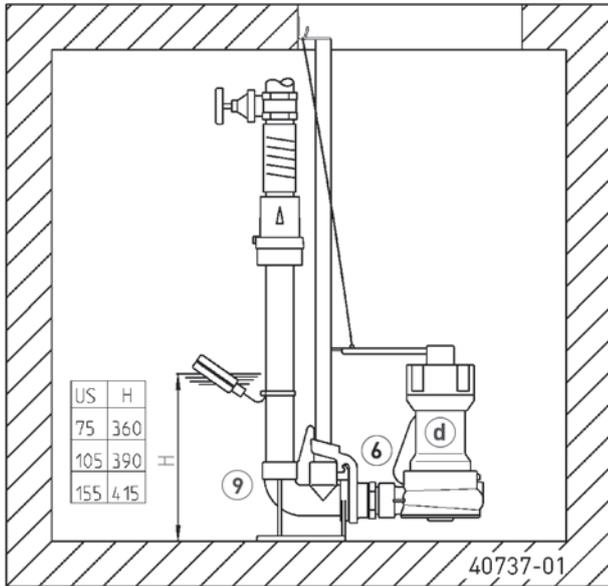
Dimensions and switching points with GR 50 S (mm)



US 75-US 155

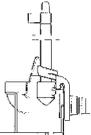
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Example of single installation with GR



Single unit 2" with GR 50 S: sump area min. 40x65 cm
Single unit 2" without GR: sump area min. 40x50 cm

MECHANICAL ACCESSORY

			Code No.
	6 Special float	for lower switching points	JP44795
	9 Guide rail system	GR 50	JP25593