

US 62-US 102

SUBMERSIBLE DRAINAGE PUMP

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



DESCRIPTION

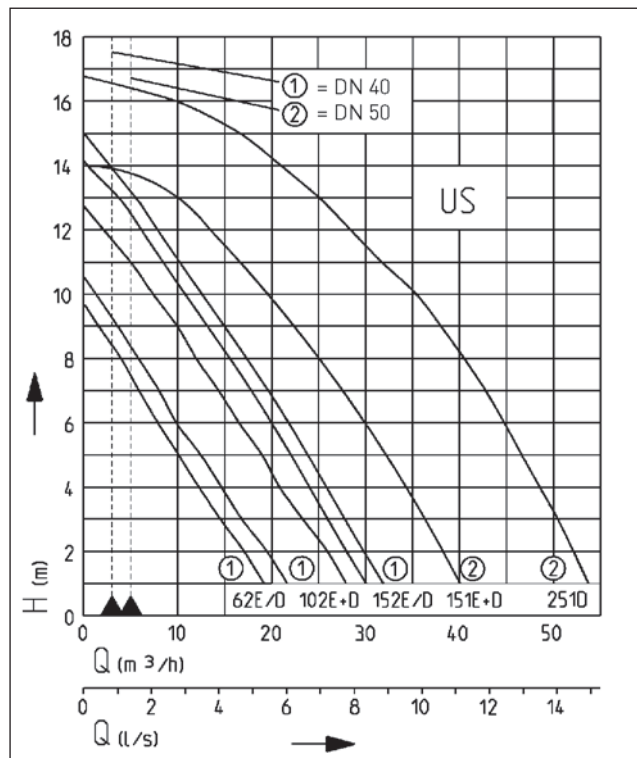
The centrifugal submersible drainage pumps US 62-102 can be used wherever sewage water with solids up to 10 mm particle size occurs, e.g. in collecting sumps for ground water, or in permanent draining systems for clean water, or handling solids in suspension. They are also ideal for pumping the sewage water from collecting sumps into which dishwashers or washing machines are discharging. For high temperature hot water in the industrial and commercial field we recommend the use of our US 73 and US 103 HES.

This range of pumps is suitable for stationary and portable use. 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.

Maximum cable length of the pumps 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]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	16
US 62 ES	Flow rate Q [m³/h]	19	17	15	12	10	8	6	4	2						
US 102 ES		28	26	23	21	19	17	15	12	10	8	5	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 62 and US 102 with 3 flat-pin ANZ plug.

MECHANICAL DATA

Pump	Vertical single-stage
Free passage	10 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
Submersible	Yes
Pressure outlet	1 1/2" FI

ELECTRICAL DATA

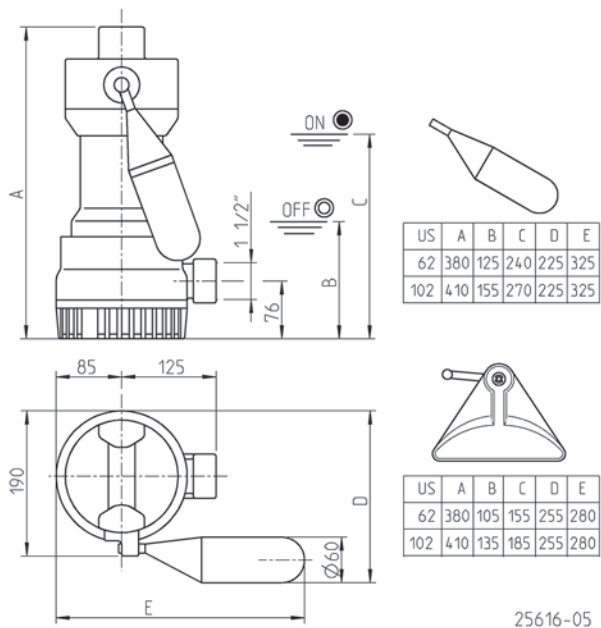
Power line	10m H07RN-F
Type of enclosure	IP 68

Insulation class	B
Winding thermostat	Yes

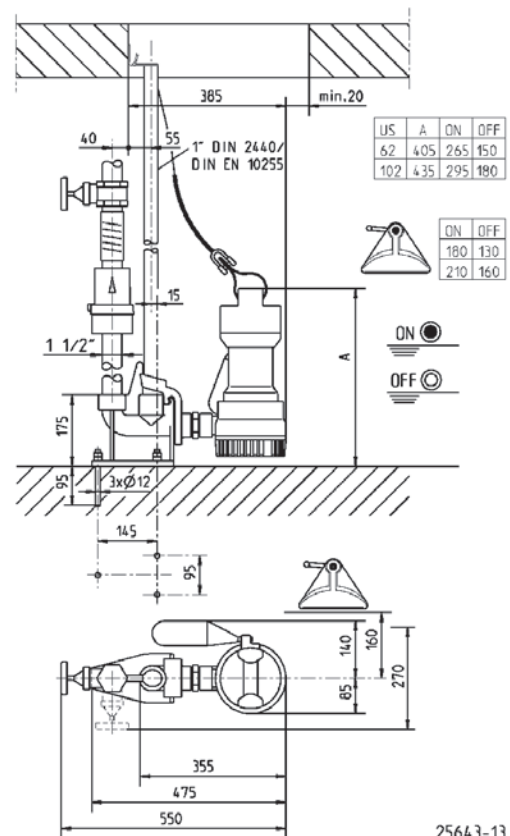
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Type	Code No.	Voltage	Motor rating		Current	Wires	Motor protection	Plug	Weight
			P1	P2					
With built-in level control									
US 62 ES	JP44234	1/N/PE~230 V	0.83 kW	0.50 kW	3.9 A	3G1,0	Integrated	ANZ	12.7 kg
US 102 ES	JP44176	1/N/PE~230 V	1.37 kW	0.98 kW	6.0 A	3G1,0	Integrated	ANZ	14.5 kg

Dimensions and switching points US 62, US 102 (mm)



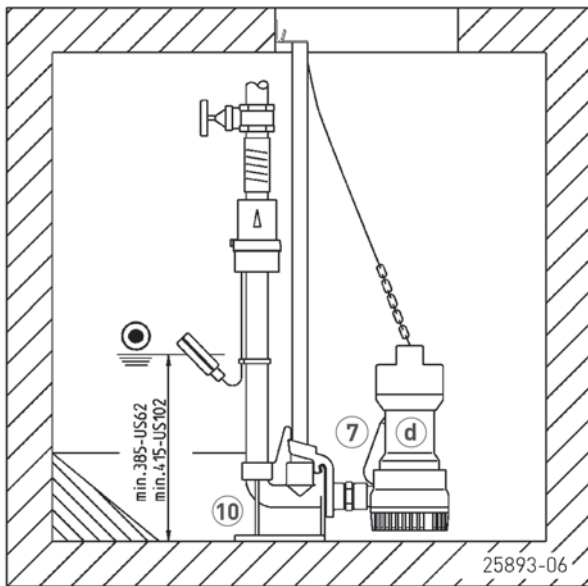
Dimensions and switching points GR 40 (mm)



US 62-US 102


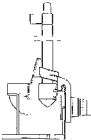
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Example of single pump installation with GR



Single unit 1½" with GR 40: sump area min. 40x60 cm
Single unit 1½" without GR: sump area min. 40x40 cm

MECHANICAL ACCESSORY

			Code No.
	7 Special float	for lower switching points	JP44795
	10 Guide rail system	GR 40	JP25592