

## US 75-155

### SUBMERSIBLE DRAINAGE PUMPS

50mm FREE PASSAGE



US 105 ES



#### FEATURES

- Safe to run dry.
- Free standing.
- 50 mm free passage.
- Controllable oil chamber.
- SiC mechanical seal independent of rotation direction.
- Replaceable moisture sealed cable inlet.
- Guide rail systems available.

#### APPLICATIONS

- Domestic waste water (without faecal matter).
- Rainwater
- Drainage
- Contaminated water (course solids).
- Fibrous waste water

#### PUMP CONSTRUCTION MATERIALS

Single stage submersible, open centrifugal impeller, spiral housing with free inlet. Free passage 50mm, horizontal discharge branch with 2" female thread.

<b>Pump casing:</b>	Cast iron.
<b>Impeller:</b>	Glass reinforced plastic.
<b>Wear plate:</b>	Glass reinforced plastic.
<b>Motor shaft:</b>	304SS.
<b>Mechanical seal:</b>	Silicon carbide.
<b>IP Rating:</b>	IP68.

#### OPERATING CONDITIONS

Drainage pumps suitable for dealing with notably contaminated water and capable of handling solids up to 50 mm particle size. These pumps are able to pump solids and fibers quickly, reliably and above all without blockage!

## PERFORMANCE

Type	P/No	Delivery head H [m]	2	3	4	5	6	7	8	9	10	11	12
US 75 ES	JP44089	Flow rate Q [m <sup>3</sup> /h]	20	16	13	10	7	4					
US105 ES	JP44177			28	25	22	19	16	13	10	7	3	
US155 ES	JP44197				29	26	22	20	16	14	11	8	2

## DIMENSIONS

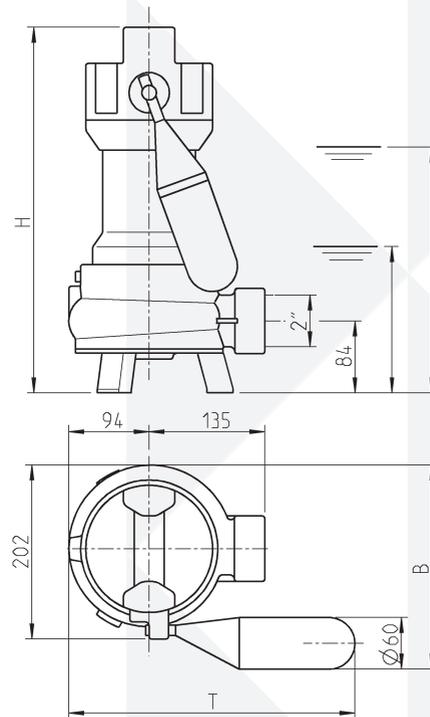
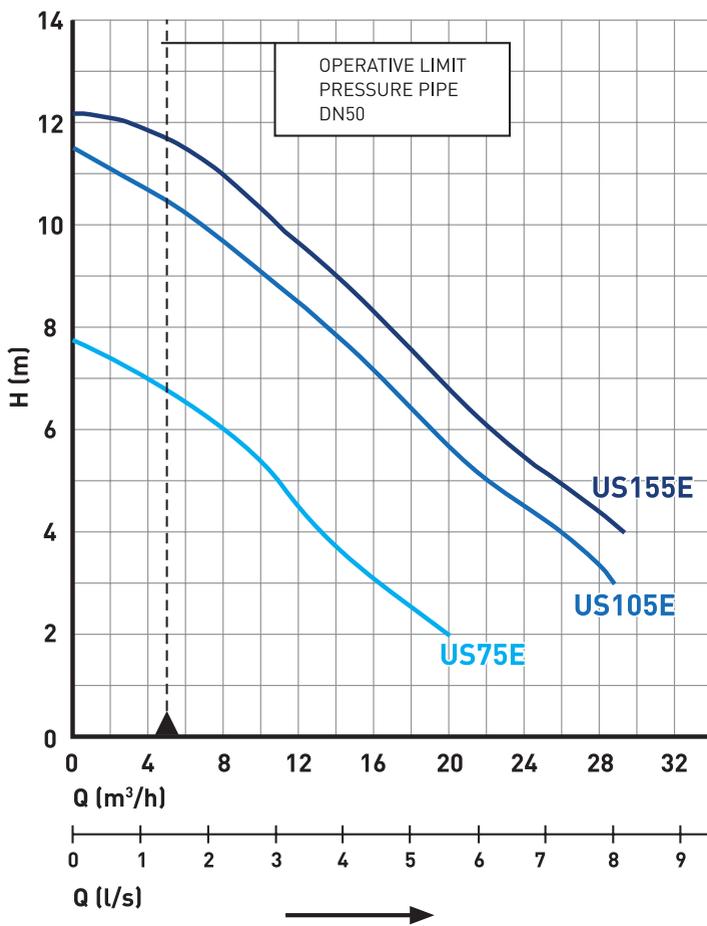
Type	Maximum Height x Width x Depth	Discharge branch	Free passage	Cable quality H07RN-F-	Cable length	Weight approx.	Code No.
US 75 ES	395 x 240 x 335 mm	2"	50 mm	3G1,0	10 m	13,0 kg	
US105 ES	425 x 238 x 335 mm	2"	50 mm	3G1,0	10 m	14,6 kg	
US155 ES	450 x 240 x 335 mm	2"	50 mm	3G1,0	10 m	16,3 kg	

## ELECTRICAL DATA

Type	Type of current	Voltage Volt	Motor rating kW		RPM min-1	Current Ampere	Motor protection	Plug
			P1	P2				
US 75 ES	1-phase	1/N/PE~230	0,83	0,50	2510	3,9	integrated	Safety-
US 105 ES	1-phase	1/N/PE~230	1,37	0,98	2700	6,0	integrated	Safety-
US 155 ES	1-phase	1/N/PE~230	1,60	1,21	2814	7,5	integrated	Safety-**

\*\* Protective motor plug

## PERFORMANCE CURVE



US	H	B	T	ON	OFF
75	395	238	335	255	140
105	425	238	335	285	170
155	450	238	335	310	195
75*	395	263	290	170	120
105*	425	263	290	200	150
155*	450	263	290	225	175

\* With low level float.



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