

SUBMERSIBLE DRAINAGE PUMP

J 54

GB 50 Hz

Specification

Electric submersible pump with double outer casing.
Protection class IP 68. Class F insulation.
Maximum submergence: 20 m.
Strainer hole 7.5 x 16.5 mm.

J 54 ND Medium head, 3-phase.

J 54 HD High head, 3-phase.

J 54 LD High flow, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.

Motor rating P₂: 5.8 kW

Speed: 2850 rpm

Voltage, V	230	400	500	1000
Nominal current, A	21	12	9.2	4.6

Power Cable

20 m type H07RN-F:

4 x 2.5 sq.mm.

20 m type A07RN-F:

7 x 2.5 sq.mm. (external motor protection)

10 x 2.5 sq.mm. (external motor protection, star-delta start)

20 m type NSSHÖU-J:

4 x 2.5 sq.mm. (1000 V external motor protection)

Softstart

SoftDrive is available built-in as option.

Motor Protection

Built-in thermal motor protector with contactor unit and a bimetal microswitch in each winding.

Shaft Seal

Double mechanical seal in oil bath.

Primary seal: Silicon carbide on silicon carbide.

Secondary seal: Stainless steel on antimony treated carbon.

Bearings

Upper bearing: Single-row deep groove ball bearing.

Lower bearing: Double angular contact ball bearing.

Discharge Connections

3" (standard HD), 4" (standard ND), 6" (standard LD) hose connections.

3", 4", 6" B.S.P. threaded connections.

Weight (without cable)

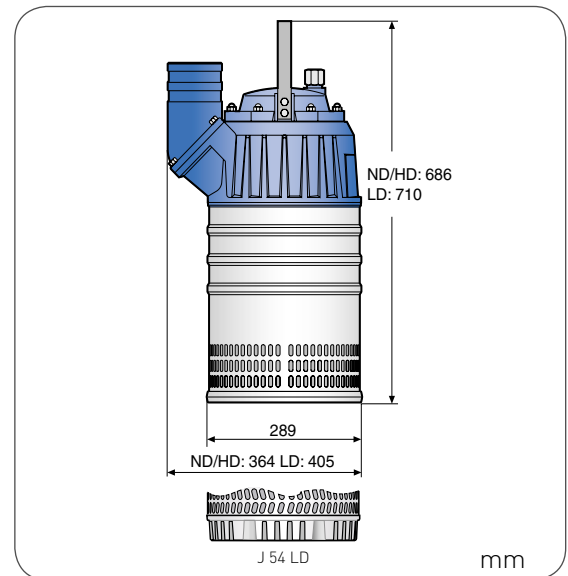
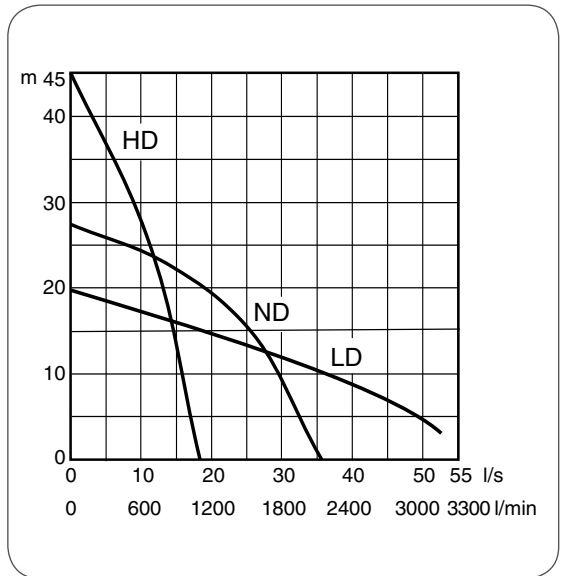
50 kg

Accessories

Series connection. Automatic level control box.

Electronic motor supervision. Zinc anodes.

Diffusers in polyurethane (ND+HD).



The manufacturer reserves the right to alter performance, specifications or design without notice. J54.02.06.12.GB.

Materials

		EN	ASTM
Castings:	Aluminium	EN1706:AC-43100	ASTM A1Si10mg

Casing and fasteners:	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
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Shaft :	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
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Impeller LD:	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420:
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Impeller ND, HD:	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
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Rubber parts: Nitrile rubber