

ABS submersible drainage pump JC 54

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole ND/HD: 7.5 x 22 mm, LD: max 9 x 28 mm.
 Max number of starts 30/hour.

GB 50 Hz

JC 54 ND Medium head, 3-phase.

JC 54 HD High head, 3-phase.

JC 54 LD High flow, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 5.8 kW. Speed: 2850 rpm

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

Starting Method

D.O.L. start with built-in contactor.
 D.O.L. start with built-in SoftDrive (400-460V).
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type S1BN8-F (standard cable):
 4 x 2.5 sq.mm. (230-500V)

20m NSSHÖU.../3E (heavy duty cable):
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5),
 connected to built-in contactor.

Shaft Seal

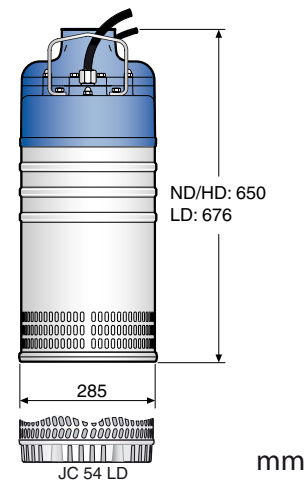
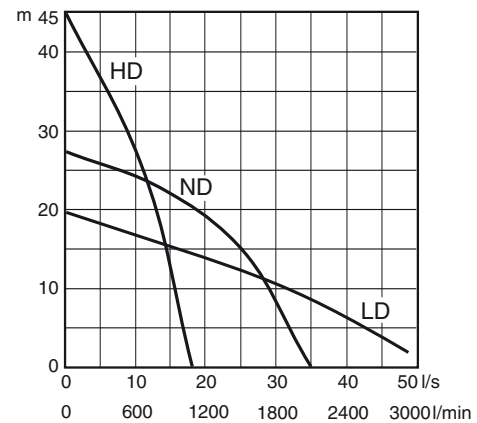
Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

Discharge Connections

3" (standard HD), 4" (standard ND, LD)
 B.S.P. threaded connections.



Weight (without cable)

50 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane (ND+HD) • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM A1Si10mg
Casing and fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller LD	Hardened chrome steel	10088:X30Cr13 [1.4028]	AISI 420
Impeller ND, HD	White cast iron	EN-GJN-HV600(XCr23)	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		