

Submersible Drainage Center-line Pump JC 34



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: 8 x 33 mm. Max number of starts 30/hour.

JC 34 ND Medium head, 3-phase
JC 34 HD High head, 3-phase

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 3.0 kW. Speed: 2850 rpm.
 D.O.L. start with built-in contactor

Voltage, V	230	400	500
Nominal current, A	12.7	7.3	5.5

Power Cable

20 m type H07RN8-F (standard cable):
 4 x 1.5 sq.mm.

20 m type NSSHÖU.../3E (heavy duty cable):
 3x1.5+3x1.5/3E

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

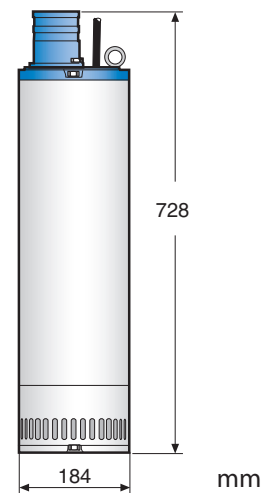
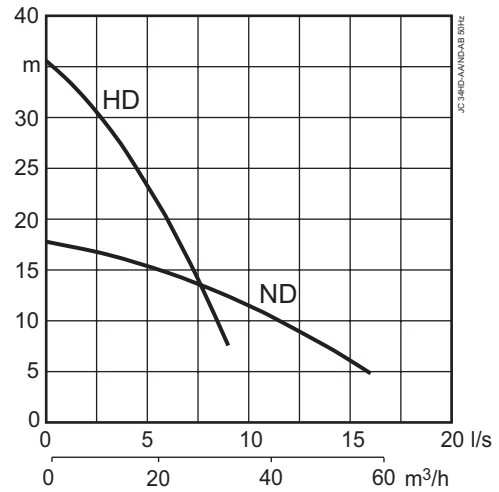
Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

Discharge Connections

2" (standard HD), 3" (standard ND) hose connections.
 2", 3" G/B.S.P. threaded connections.

Weight

31 kg (without cable)



Options and Accessories

Zinc anodes. Surface protection coating.
 Starter and control units. Automatic level control unit.
 Repair kit.

Materials

Description	Material	EN	ASTM
Castings	Aluminium	EN 1706:AC-43100	ASTM A1310mg
Casing	Aluminium	AW5754	ASTM AA 5754
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Wear parts / O-rings	Nitrile rubber		