

Submersible drainage center-line pump JC 34

SULZER

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

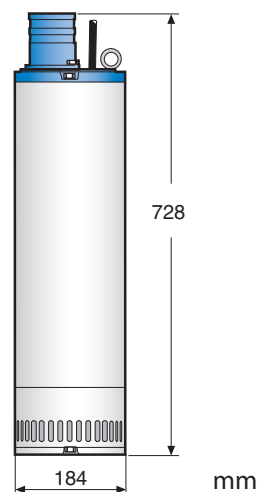
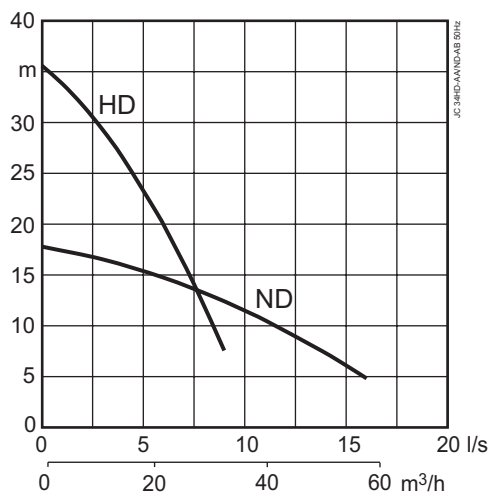
Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

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.
- Starter and control units.
- Automatic level control unit.
- Repair kit.
- Discharge connection accessories and hose.

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		