

ABS submersible sludge pump JT 160

GB 50 Hz

Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.
Protection class IP 68. Class F insulation.
Maximum submergence: 20 m.
Free passage 80 mm.

JT 160 ND Medium head

JT 160 LD High flow

Electric motor

3-phase squirrel-cage induction motor, 50 Hz.
Motor rating P_2 : 16 kW, ME160/4D
Speed: 1460 rpm

Voltage, V	230	400	500
Nominal current A (16kW)	53.8	31	24.8

Power cable

20 m type H07RN-F:
2x(4G4 + 2x0.75) sq.mm. (230 V)
10G2.5 sq.mm. (400-500 V)

Motor protection

Built-in thermal overload sensors.
Leakage sensor in the dry chamber indicating presence of water.

Cooling system

Closed cooling system using water mixed with Glycol (30%).

Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.
Primary seal: Silicon carbide on silicon carbide.
Secondary seal: Silicon carbide on carbon.

Bearings

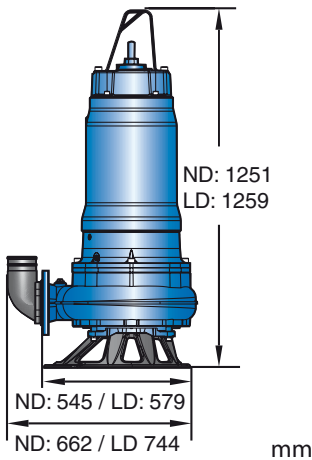
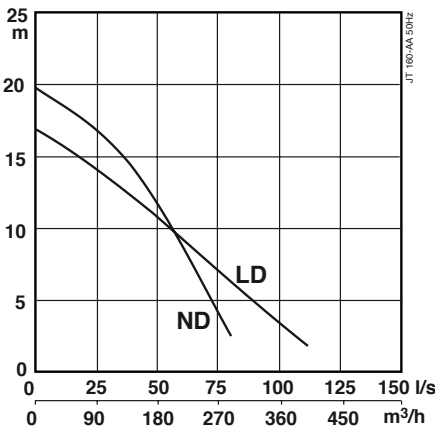
Upper bearing: Single-row deep groove ball bearing.
Lower bearing: Double angular contact ball bearing.

Discharge connections

ND: volute DN 100, 4" hose, 4" B.S.P. thread
LD: volute DN 150, 6" hose, 6" B.S.P. thread

Weight (without cable)

ND: 346 kg, LD: 358 kg



Options and Accessories

DOL or Star-Delta start.
Automatic level control box.
Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18