

Internally cooled submersible pump for clear and drainage water.

BOZO ESD series pumps are special construction dewatering pumps which are compact and exceptional durability in handling abrasive liquids. With their modular construction and use of ductile iron impeller, these pumps are best suited for dewatering purposes in construction sites, mines, basements, STP's, etc.,

■ **Mode of operation:**

BOZO ESD model is capable of permanent & portable operations.

■ **Design & Construction:**

BOZO ESD series are fully submersible integrated motor-pump unit consisting of the following.

■ **Pump:**

Single stage centrifugal pump with outlet size of 50mm (2.0"), 80mm (3.0").

■ **Impeller:**

SO type - Semi-Open impeller for clear, drainage or construction water with solid handling capacity of 6 mm.

■ **Motor:**

Thermal sensors are embedded with the winding.

■ **Cable:**

The cable connection chamber is isolated from the motor housing completely. Cable used - HO7RN-F | Cable length - 8m

■ **Shaft / Bearing:**

Stainless steel shaft / ball bearings.

■ **Seals:**

Combination of mechanical seal is used in a separated oil chamber. Oil level can be checked from outside.

■ **Technical data:**

Motor power : 1.0 HP
 Voltage : 1 Phase (220V - 240V)
 Frequency : 50 Hz
 Insulation : F Class
 Motor protection : IP68
 Max. Liquid temp. : 40°C

■ **Material of Construction:**

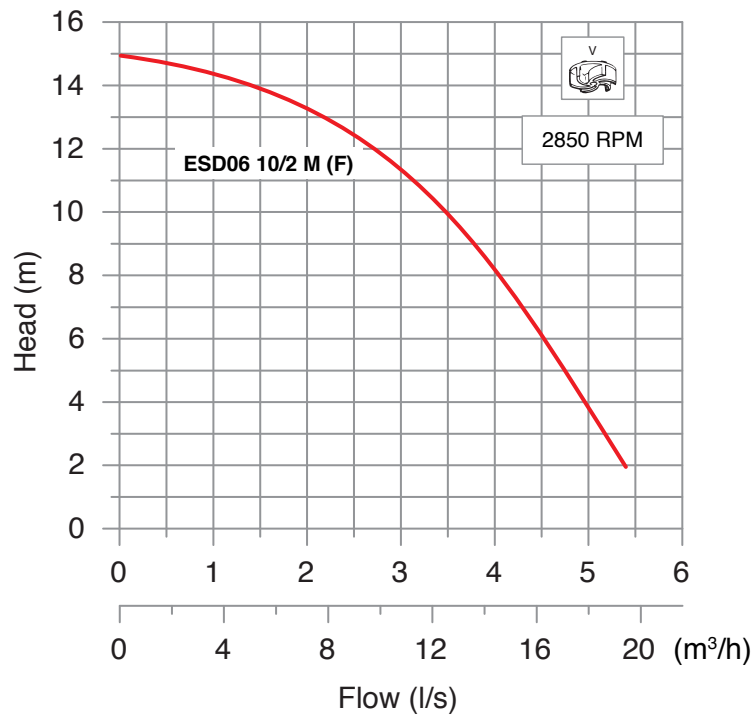
Component	Material
Hose coupling	ABS & PA66
Outer / Motor casing & Strainer	SS 304
Up-bearing housing	Aluminum die cast
Upper cover, Bearing housing, Seal house & diffuser	Cast iron
Impeller	Ductile iron
Mechanical seal	Ceramic-Sic/Carbon-Ceramic
Shaft	SS 420
Handle	Rubber & Stainless steel



■ **Applications:**

- ▶ Construction Sites
- ▶ Mines, Wells, Quarries & Slurries
- ▶ Effluent wastewater transfer
- ▶ Commercial & industrial wastewater drainage
- ▶ Swimming pools, dairies, breweries and the process industry

■ Performance curve:

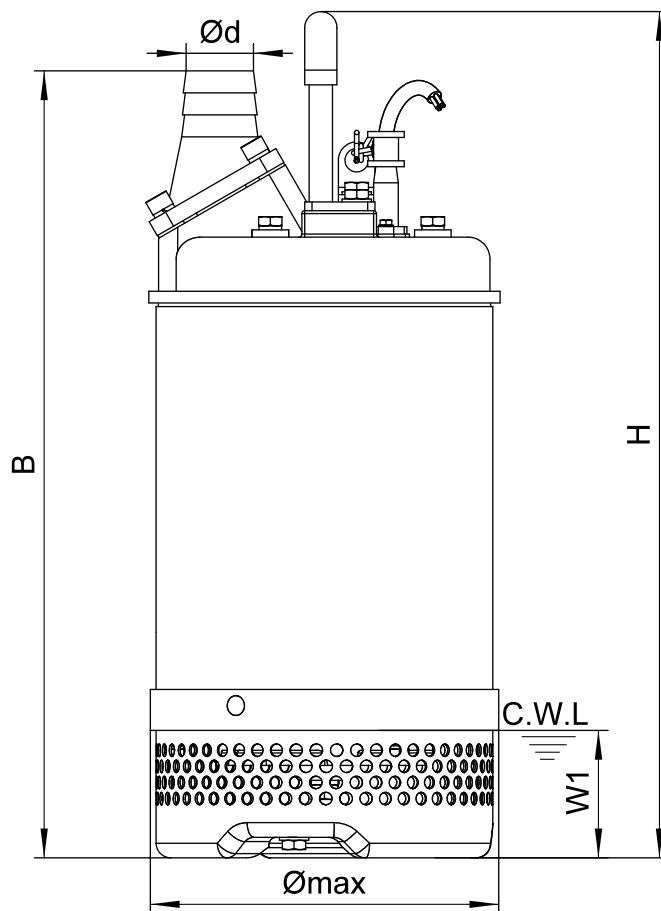


■ Technical table:

Curve no.	Pump model	Motor Power			Nominal Current (A)	Capacitor (µF)	Speed (rpm)	Solid Handling Capacity (mm)	Weight (kgs)
		P1 (kW)	P2 (kW)	HP					
1	ESD06 10/2 M (F)	1.0	0.7	1.0	5.0	-	2850	6	18

* ESD06 - Series name, 06 - Solid handling capacity, | XX/X - Motor power/No. of poles | M - 230-240 V/1 Ph | F - Float switch

■ Dimensional drawing:



* C.W.L - Continuous running water level

■ Dimension details:

Pump model	H (mm)	B (mm)	Ø Max. (mm)	W1 (mm)
ESD06 10/2 M (F)	365	362	184	50