

Wear resistant submersible drainage pump for clear water and drainage water with solid handling capacity of 8-10mm. EKKI ZILLA 119 & 121 series pumps are suitable for pumping soiled, drainage and wastewater. With their robust construction, they are exclusively used for pumping clearwater or drainage water with abrasive mud additives.

■ **Mode of operation:**

The ZILLA 119 & 121 model is capable of permanent & portable operations. Automatic float switch option is available for automatic pumping operation.

■ **Design & Construction:**

The ZILLA 119 & 121 is a robust & fully submersible integrated motor-pump unit consisting of the following.

■ **Pump:**

Single stage centrifugal pump with horizontal discharge. The outlet size available for ZILLA 119 is 50mm (2") & ZILLA 121 is 65mm (2.5")

■ **Impeller:**

V type - Open multi-blade impeller, free passage 10 mm. The distance between impeller and casing can be readjusted to maintain maximum performance

■ **Motor:**

Thermal sensors are embedded with the winding.

■ **Cable:**

The cable connection chamber is completely isolated from the motor housing
Cable used - HO7RN-8F | Cable Length - 10m

■ **Shaft / Bearing:**

Large diameter stainless steel shaft, pre-lubricated bearings are used for ZILLA 119. For ZILLA 121, lower bearing double-row type is used.

■ **Seals:**

Combination of mechanical seals is used in separated oil chamber. Oil level can be checked from outside. For ZILLA 119, 1 mechanical seal and 1 lip seal is used. For ZILLA 121, 2 mechanical seals are used.

■ **Technical data:**

Motor power : 2.0 & 3.0 HP
Voltage : 1 Phase (220V - 240V),
3 Phase (380V - 415V)
Frequency : 50 Hz
Insulation : H Class
Motor protection : IP68
Max. Liquid temp. : 40°C

■ **Material of Construction:**

Component	Material
Motor & Pump housing, Impeller	Cast iron FG 260
Mechanical seal / Lip seal	SiC-SiC / NBR
Rotor shaft	SS 431
Fasteners	SS 304, NBR

■ **Applications:**

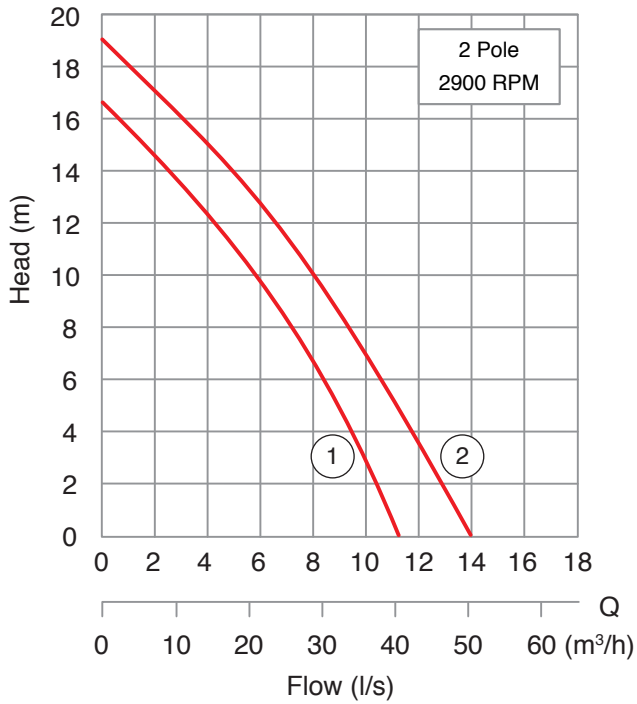
- ▶ STP & ETP
- ▶ Water with short fibers
- ▶ Construction wastewater
- ▶ Drainage water dewatering
- ▶ Basement water
- ▶ Sump water



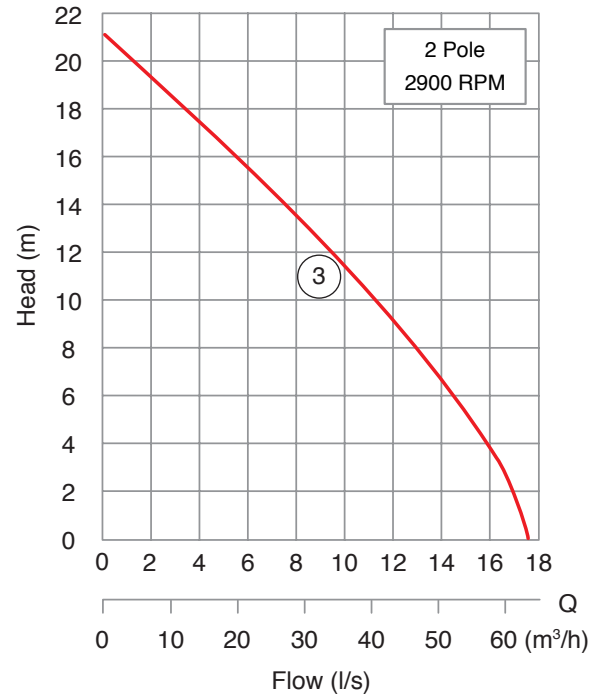
■ Performance curve:



ZILLA 119



ZILLA 121



■ Technical table:

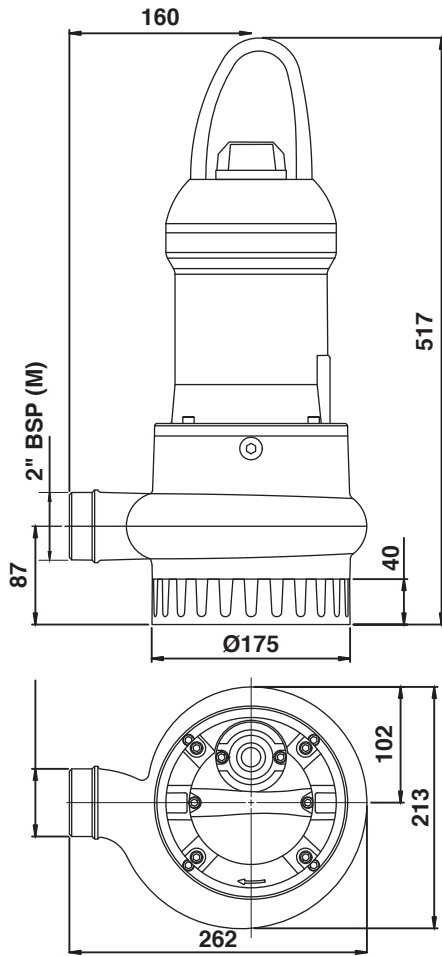
Curve no.	Pump model	Motor Power			Nominal Current (A)	Capacitor (µF)	Speed (rpm)	Solid Handling Capacity (mm)	Weight (kgs)
		P1 (kW)	P2 (kW)	HP					
1	ED119 M (F)	1.6	1.2	2.0	7.8	30	2900	8 - 10	28
2	ED119 T (F)	1.6	1.2	2.0	2.9	-	2900	8 - 10	28
3	ED121 T (F)	2.7	2.3	3.0	4.5	-	2900	8 - 10	42

* ED119/ED121 - Pump model | M - 230-240 V/1 Ph | T - 400-415V/3 Ph

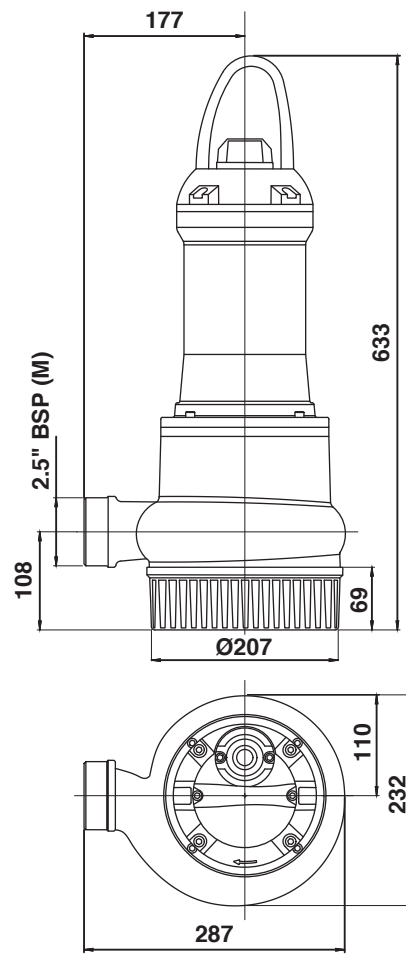
F - Optional float switch | Capacitor - Capacitor for applicable models is installed in the pump

■ Dimensional drawing:

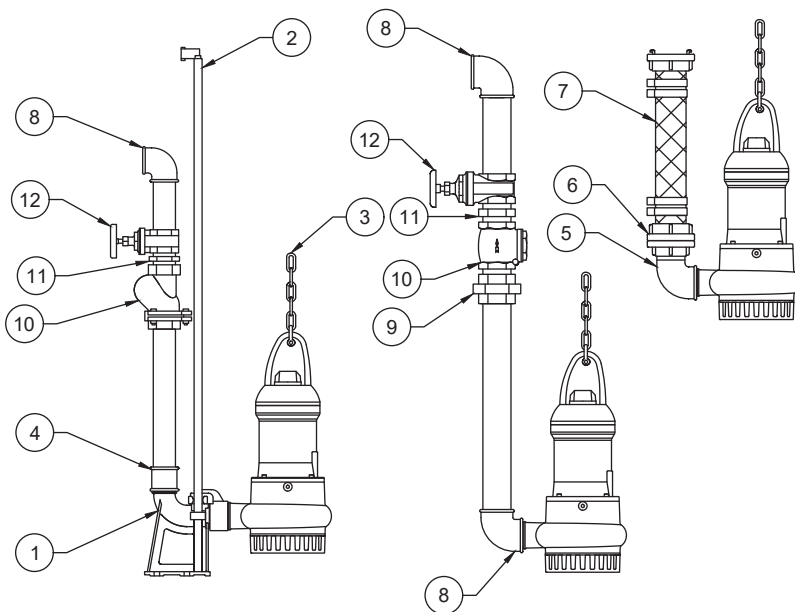
ZILLA 119



ZILLA 121



■ Pump accessories drawing:



Ballon No.	Item Description	Specification
1	Auto coupling kit	2", 2.5"
2	Guide rail (G.I or SS)	0.5" , 1"
3	Pump chain	-
4	G.I nipple	2"
	Threaded flange	BSP 2.5" (F)
5	90° flanged elbow	BSP 2"
		BSP 2.5"
6	STORZ coupling	BSP 2"
		BSP 2.5" (F)
7	Synthetic pressure hose with coupling	Ø52 mm
		Ø75 mm
8	90° flanged elbow	BSP 2"
		BSP 2.5"
9	G.I union	BSP 2"
		BSP 2.5"
10	Bronze non return valve	BSP 2"
		BSP 2.5"
11	G.I double nipple	BSP 2"
		BSP 2.5"
12	Bronze gate valve	BSP 2"
		BSP 2.5"