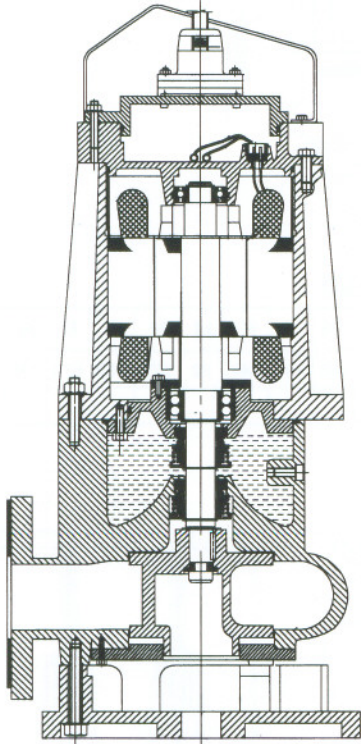


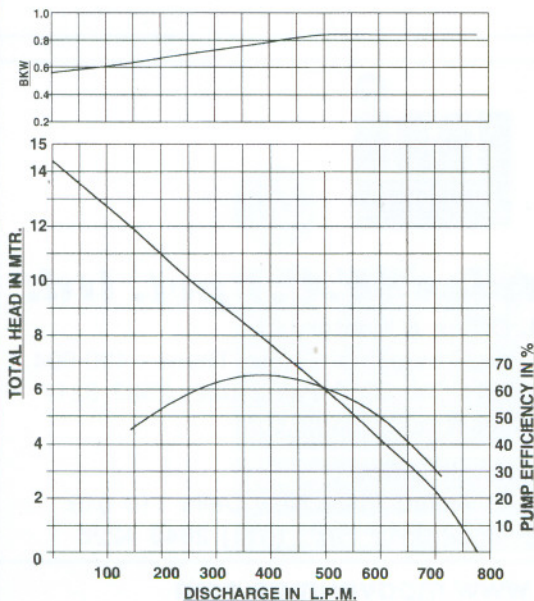
mody

ELECTRIC SUBMERSIBLE SEWAGE PUMP

MS 121



PUMP MODEL : MS 121



MS 121

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

Model	MS 121
Kw	1.5
RPM	2800
Max. Amps (415 Volts)	2.7
Solid Handling	35 MM
Weight-P Type (approx.)-Kgs.	62
Weight-S Type (approx.)-Kgs.	53
Impeller Type	CHANNEL
Max. Temp. Of Pumped Fluid :	40°C
Max. Starts/Stop Per Hour :	15
Max. Submergence :	10MTRS

MOTOR

2 Pole continuous rated motor with squirrel cage rotor. Bi-metalllic switches embedded in stator winding to protect against overheating. Stator insulation class "F"

POWER SUPPLY

415 Volts +/-6%, 3 Phase, 50 HZ +/- 3% AC Supply. It is also available for any combination of voltage and frequency on special request.

BALL BEARINGS

The rotor shaft is carried in two ball bearing. The lower bearing is a double row angular contact bearing capable of carrying high thrust & radial loads. The upper bearing is a deep groove, Single row ball bearing. The bearings are filled with high temperature grease containing special anti-corrosive additive with no maintenance required for life.

POWER CABLE

Water proof / oil proof EPR insulated, single sheathed copper conductor flexible cable 15 mtrs. length 6 cores of 4 core 1.5 sq. mm + 2 core 1 sq. mm

SHAFT SEAL

Twin seals in tandem. Extremely compact resulting in a short shaft overhang reducing shaft deflection to minimum. Seal faces of TUNGSTEN CARBIDE V/S TUNGSTEN CARBIDE ensures long life between service intervals.

HYDRAULICS

Single channel impellers, Hydrodynamically balanced with improved flow pattern making them virtually unchokeable. Computerised design resulting in high efficiency and low running costs. Smooth contoured volute design ensuring low head losses.

COOLING

Integral cast cooling fins on motor casing with large cooling area ensure efficient heat dissipation and low temperature rise. Shrink fitted stators and short shaft contribute to efficient cooling.

MATERIALS OF CONSTRUCTION

Description	Material	Spec.
Stator Casing	Cast Iron	IS : 210 - Grade FG 200
Pump Casing	Cast Iron	IS : 210 - Grade FG 200
Impellers	Cast Iron	IS : 210 - Grade FG 200
Shaft	St. Steel	AISI 431
Hardware	St. Steel	AISI 304
Mech. Seals	TC V/S TC	
"O" Rings	Nitrile rubber	

SURFACE TREATMENT

Primer coat subsequently painted with black chloric paint for max. Corrosion protection.

Due to product development, specifications may be subject to change.

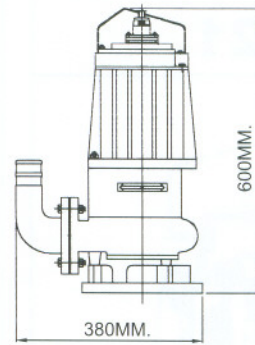
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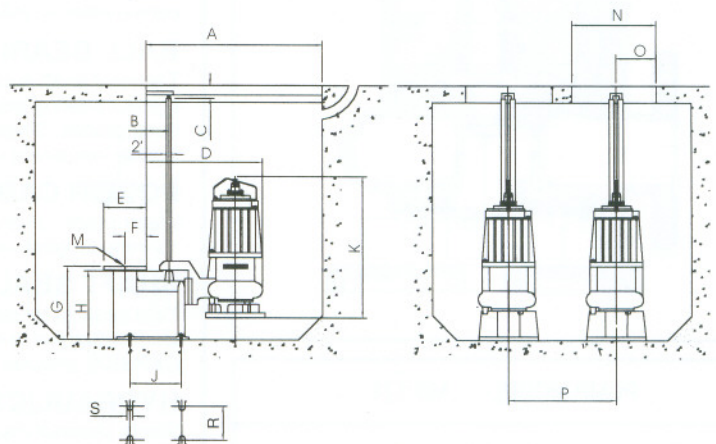
SUBMERSIBLE
SEWAGE PUMPS
FOR
STATIONARY
WET PIT INSTALLATION
(P TYPE)
MOBILE WET PIT
INSTALLATION
(S TYPE)

Out let 2" Flange/Hose



MS-121

	A	B	C	D	E	F	G	H	J	K	M	N	O	P	R	S
MS121	780	85	70	393	150	75	175	163	140	540	52	570	262	670	115	15



CE



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