

mody

ELECTRIC SUBMERSIBLE SEWAGE PUMP

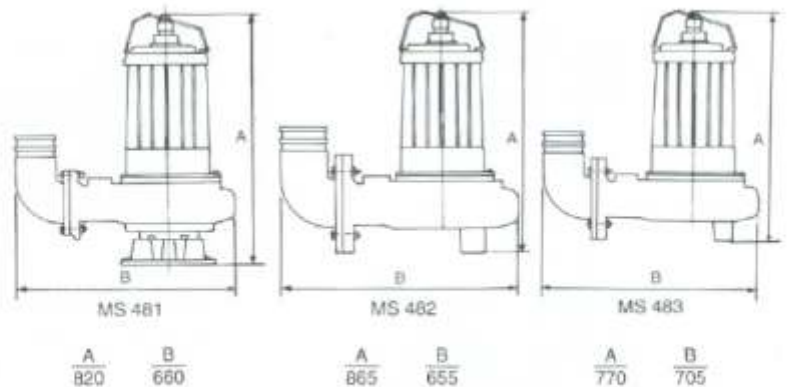
MS 480 SERIES

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

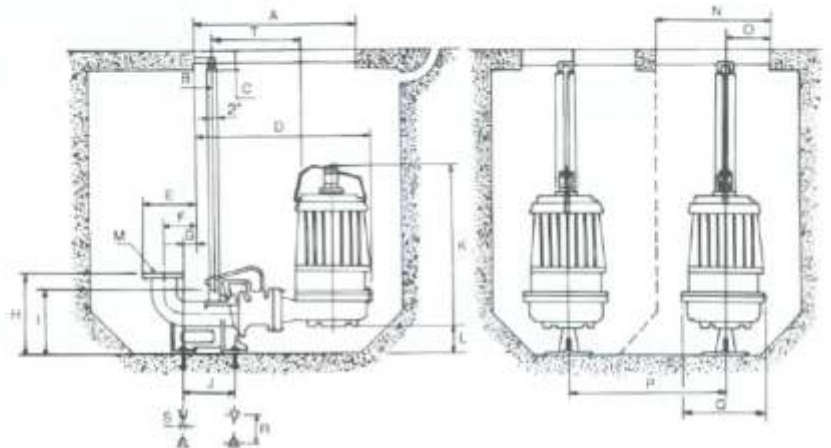
Model MS 481 - 4" Flange/Hose
(High Head - Med. Volume)

Model MS 482 - 6" Flange/Hose
(Med. Head - High Volume)

Model MS 483 - 6" Flange/Hose
(Low Head - High Volume)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S	R
MS-481	780	85	70	713	274	165	69	400	258	250	710	90	100	570	262	670	23	200
MS-482	780	85	70	725	339	195	109	450	367	280	735	115	150	570	262	670	23	250
MS-483	780	85	70	768	339	195	109	450	367	280	675	175	150	570	262	670	23	250



mody industries (F.C.) pvt. ltd.

Corporate Head Quarters :
85/95 Mittal Court, B-Wing, Nariman Point, Mumbai 400 021, INDIA.
Tel.: (91-22) 284 4424 • Fax: (91-22) 285 1149.

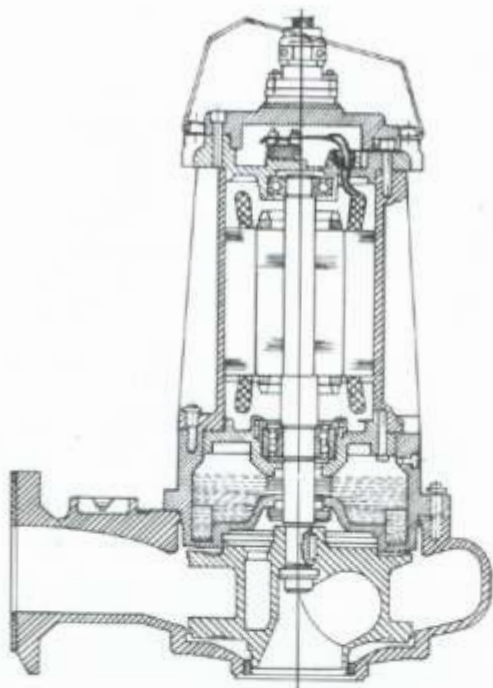
Factory/Sales :
Plot No. C-41, Road #34, Wagle Industrial Estate, Thane 400 604.
Tel.: (22) 581 1644, (22) 582 3850 • Fax: (22) 582 8217.

New Delhi Office :
203, Bakshi House, 40-41 Nehru Place, New Delhi 110 019.
Tel.: (91-11) 644 4668, 622 9512 • Fax: (91-11) 646 4228.

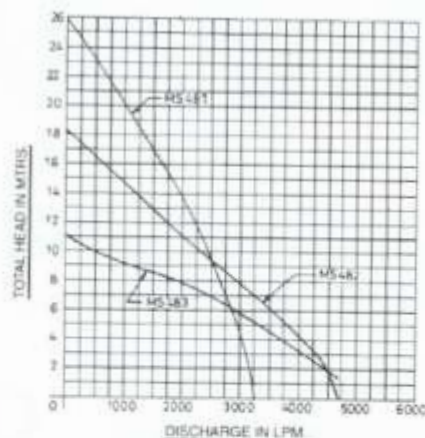
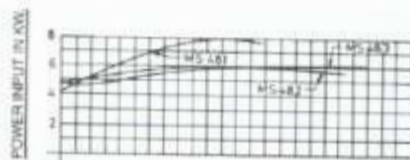


mody ELECTRIC SUBMERSIBLE SEWAGE PUMP

MS 481/482/483



PUMP MODEL : MS 481, MS 482 & MS 483



MS 481/482/483

MATERIALS OF CONSTRUCTION AND ENGG. DATA SPECIFICATIONS:

Model	MS 481	MS 482	MS 483
kW	7.5	7.5	7.5
RPM	1430	1430	1430
Max. Amps (415 Volts)	15.5	15.5	15.5
Solid Handling	74 MM	100 MM	50 MM
Weight - P Type (approx.) - Kgs.	225	240	260
Weight - S Type (approx.) - Kgs.	185	200	220
Impeller Type	Channel	Channel	S-Blade
Max. Temp. of Pumped Fluid :	40°C	40°C	40°C
Max. Starts/Stop Per Hour :	15	15	15
Max. Submergence :	10 Metres	10 Metres	10 Metres

MOTOR

4 Pole continuous rated motor with squirrel cage rotor. Bi-metallic 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 bearings. The lower bearing is a double row angular contact bearing capable of carrying high thrust and 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

Waterproof / oil proof EPR insulated, single sheathed copper conductor flexible cable fitted with strain relief grip. 15 mtrs length, 6 cores of 4 core 2.5 sq. mm + 2 core 1 sq. mm

SHAFT SEALS

Twin seals in tandem. Extremely compact, resulting in a short shaft overhang reducing shaft deflection to a minimum. Seal faces of Tungsten carbide v/c Silicon carbide ensuring long life between service intervals.

HYDRAULICS

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
S-Blade impeller: Open type. It consists of an S shaped blade attached to a short hub. Three cutting edges on the periphery of the pump housing inlet effectively prevent long fibres from jamming in impeller. Three scrapers are also provided in the upper part of the pump housing to prevent long fibres winding around the impeller hub.

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/Sph. Iron (Hard Faced/MS 483)
Shaft	St. Steel	AISI 431
Hardware	St. Steel	AISI 304
Mech. Seals	TC V/S SiC	
"O" Rings	Nitrile rubber	

SURFACE TREATMENT

Primer with Epoxy and subsequently painted with black chloric paint for max. corrosion protection.

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