

HEAVY SLUDGE PUMP

▶ Application

- Mining industries to remove muddy water during excavation.
- Construction industries during piling work, boring work etc.
- ETP plants to transfer waste.
- STP plant to pump sewage.

▶ Features

- Pump and motor are separated to reduce seal damage chances of motor.
- Impeller is made of hard steel to reduce wear.
- Pump can be used in both horizontal and vertical position.
- Pump is easy to disassemble and repair.

DME SUA MODEL



SLUDGE PUMP
WITH AGITATOR

▶ Technical Specification

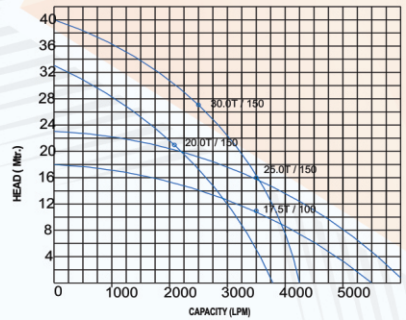
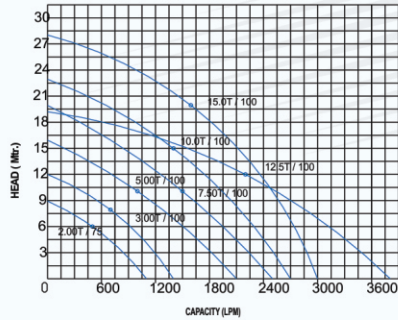
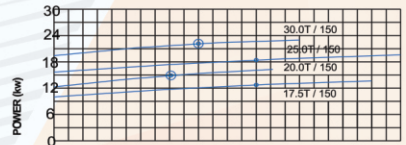
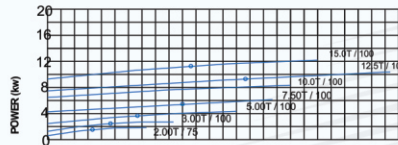
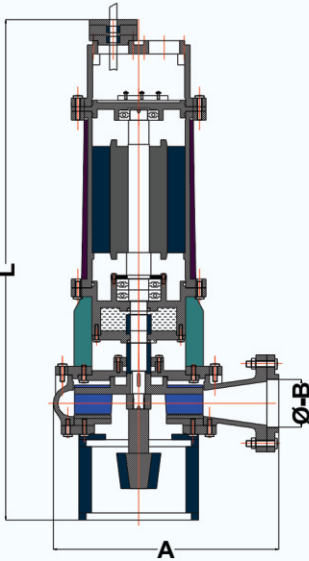
MOTOR

- Series DME SUA is a single-stage centrifugal pump with a semi-open impeller with axial suction port and radial discharge and this is connected to the elbow making a side outlet with standard pipe connection available.
- The motor is separated from the pump by an oil chamber housing. This gives delta series pumps an advantage over competitors. As seal life of the motor is not affected by the failure of the pump seal.
- This pump is made with simple, less sturdy parts.
- Motor is wound in F class wire for high temperature withstand capacity.
- Thermal overload sensor is fitted in stator core allowing penal cut-off and saving motor from mishandling.
- Jacketed pump facility can be provided for high-temperature fluid in the same construction.

MATERIAL OF CONSTRUCTION

- | | |
|-----------------|--|
| • Motor Sealing | : SIC/SIC & Nitrile rubber mechanical seal |
| • Pump Sealing | : Mixed braided carbon and Teflon gland seal |
| • Pump Casing | : STD. CI/SS 316/SS 304 - As per requirement |
| • Impeller | : STD. SS 410/SS 316/SS 304 - As per requirement |
| • Shaft | : STD. SS 410 |

Performance Curve



Product Range

DME-SUA SERIES	MOTOR		RATED CURRENT	DISCHARGE IN LPM								Overall Dimension			WEIGHT (APPX.)
				300	500	700	1000	1400	1500	2700	Working Range				
				Model	H.P	K.W	AMP	HEAD IN METER							
DME SUA 2H 75 3Ph	2.00	1.50	4.50	08	06	04	01	-	-	-	-	800	420	75	110
DME SUA 3H 100 3Ph	3.00	2.20	6.50	11	10	08	05	00	-	-	-	800	420	100	125
DME SUA 5H 100 3Ph	5.00	3.70	10.0	15	13	12	10	07	06	-	-	840	420	100	150
DME SUA 7.5H 100 3Ph	7.50	5.50	14.5	18	17	16	14	11	10	-	-	1040	500	100	250
DME SUA 10H 100 3Ph	10.0	7.50	19.0	22	21	19	18	15	13	00	-	1050	500	100	275

DME-SUA SERIES	MOTOR		RATED CURRENT	DISCHARGE IN LPM								Overall Dimension			WEIGHT (APPX.)
				800	1600	2100	2200	2500	3500	4500	Working Range				
				Model	H.P	K.W	AMP	HEAD IN METER							
DME SUA 15H 100 3Ph	15.0	11.2	27.0	25	20	16	14	11	02	-	-	1110	500	100	325
DME SUA 20H 150 3Ph	20.0	15.0	37.0	29	25	21	20	17	05	-	-	1120	530	100	325
DME SUA 30H 150 3Ph	30.0	22.5	57.0	37	34	30	29	27	16	-	-	1160	560	150	400

The highlighted box in specification shows the best working range of the model.

Prakash Pumps

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