

CHOPPER PUMP

▶ Application

- In the APMC market processing waste and chop vegetable garbage.
- In textile plants to process waste cotton fiber pigment slurry and wool fiber waste slurry.
- In ETP and STP plants transfer waste while chopping solid soft particles.

▶ Features

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

DME SUC MODEL



**SLUDGE PUMP
WITH CUTTER**

**HARDENED AND
GROUNDED**

▶ Technical Specification

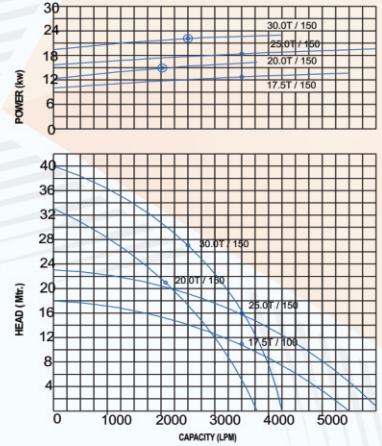
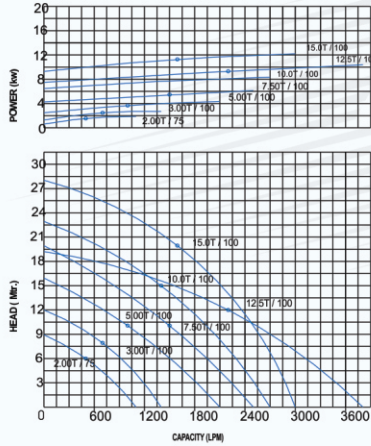
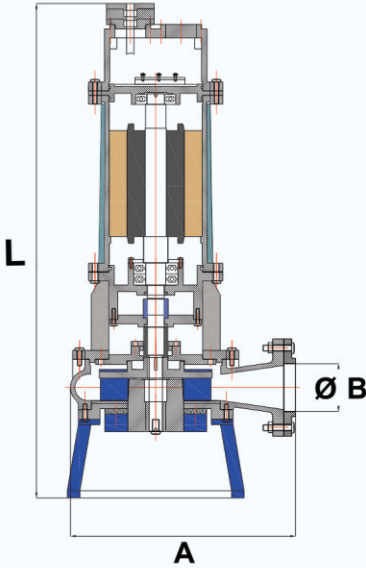
MOTOR

- Series DME SUC 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 a 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 DC wire to withstand high temperature capacity.
- Thermal overload sensor is fitted in stator core allowing penal cut-off and saving motor from mishandling.
- Jacketed pump are available for high temperature fluid.

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-SUC 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								L	A	ØB	KG
DME SUC 2H 3Ph	2.00	1.50	4.50	08	06	04	01	-	-	-	800	420	75	110	
DME SUC 3H 3Ph	3.00	2.20	6.50	11	10	08	05	00	-	-	800	420	100	125	
DME SUC 5H 3Ph	5.00	3.70	10.0	15	13	12	10	07	06	-	840	420	100	150	
DME SUC 7.5H 3Ph	7.50	5.50	14.5	18	17	16	14	11	10	-	1040	500	100	250	
DME SUC 10H 3Ph	10.0	7.50	19.0	22	21	19	18	15	13	00	1050	500	100	275	

DME-SUC 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								L	A	ØB	KG.
DME SUC 15H 3Ph	15.0	11.2	27.0	25	20	16	14	11	02	-	1110	500	100	325	
DME SUC 20H 3Ph	20.0	15.0	37.0	29	25	21	20	17	05	-	1120	530	100	325	
DME SUC 30H 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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