

DEWATERING PUMP SERIES

MATERIAL OF CONSTRUCTION

Stamping	CRNO
Journal Bearing	Double Shielded Ball Bearing
Motor Body (Inner & Outer)	SS 202
Impeller	Cast Iron, Semi Open, Non Clog Design
Cable	PVC NBR
Dual Cable Gland	Forged Brass
Mechanical Seal	Dual Carbon Ceramic
Shaft	SS 410
Motor Housing	Cast Iron
Tie Rods (Hook)	Dual MS Forged
Thermal Overload Protector (TOP)	Inbuilt in Single Phase
Winding Insulation	F Class



DEWATERING PUMPS (CENTRAL DISCHARGE)



Flow Through Design: Prevents the motor from over heating with increased durability of the pumpset



Inbuilt TOP Protection: Single phase pumpset comes with thermal overload protection which prevents it from getting burned



Unique Bottom Suction Mechanism : Specially designed to draw water from the bottom of the pit



Replaceable Wearing Parts : All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintaince thereby extending the life of the pump



Non-clog Impeller: Can handle high solid material effectively



APPLICATIONS

- ✓ Construction Sites
- ✓ Sewage & Effluent Treatment Plants (STP & ETP Plants)
- ✓ Dewatering from Basement, Multi-Storeys, Shopping Malls, Godowns etc.
- ✓ Mining, Quarries, Tunnels, Underground Structures & Disaster Recovery
- ✓ Marine Industry, Pond / Pool Maintenance, Hotels & Restaurants
- ✓ Flood Water Control & Management

TECHNICAL DETAILS

HP Range	Single Phase: 1 - 2 Hp Three Phase: 1 - 10 Hp
Operating Head	0 - 28 Meters
Discharge Range	250 - 1200 LPM 15 - 126 m ³ /hr
Operating Voltage Range	Single Phase: 180 - 240 V Three Phase: 350 - 415 V
Rated Voltage / Frequency	Single Phase: 220 V +6%/- 15%, 50Hz Three Phase: 415 V +6%/- 15%, 50Hz
Maximum temperature of liquid	45°C
Maximum Solid Handling Capacity	15 mm
Permissible water pH value	6.5 - 8 pH



MODEL	HP	DELIVERY PIPE SIZE (mm)	CABLE SIZE (mm) & LENGTH (Mtrs)	MAX. SOLID HANDLING CAPACITY (mm)	SP	TP		TOTAL HEAD IN METERS												PUMP NET WEIGHT (kg)
								0	4	6	8	10	12	14	16	18	20	24	28	
DW1	1	40	1.0mm / 7 Mtrs	8	SP	TP	Discharge in LPM	250	220	160	80	-	-	-	-	-	-	-	20	
DW2	2	50	1.5mm / 12 Mtrs	12	SP	TP		450	400	340	280	175	70	-	-	-	-	-	31	
DW3	3	80	2.5mm / 15 Mtrs	15	-	TP		900	780	660	565	470	400	285	100	-	-	-	44	
DW5	5	80 / 100	2.5mm / 15 Mtrs	15	-	TP		1200	1010	930	820	710	600	475	300	100	-	-	48	
DW10	10	100 / 150	4.0mm / 15 Mtrs	15	-	TP		2100	2000	1800	1700	1500	1400	1200	1140	1050	950	650	400	120

NOTE:

- Performance chart given above are approximate and may vary as per site conditions
- Performance applicable to liquid of specific gravity 1 and viscosity as of water
- Frequency available in 50 Hz & 60 Hz