

DREDGER PUMP

An *unique* slurry handling pump



DARLING "DREDGER" DR Series Submersible Slurry Pumps are heavy duty Pumps which are specially designed to handle settled slurry containing solids of desired size & concentrations up to 50 % by weight of the liquid.

Darling Dredger Pumps have been specially designed to suit the tough Indian working & climatic conditions, which gives it an edge over imported pumps whose maintenance is both difficult & costly due to non-availability of spares & proper service back up. Darling Pumps to a large extent can be maintained at site itself.

Dredger Pumps are designed to stand very abrasive slurries with greater reliability.

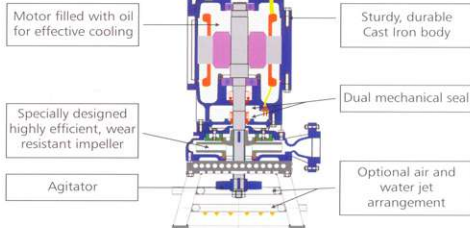
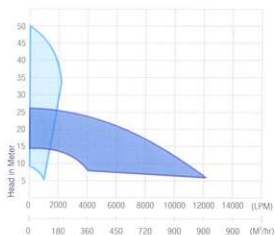
SALIENT FEATURES

- Inbuilt agitator arrangement with each pump.
- Special motor incorporating temp. and seal moisture sensor device.
- Highly abrasion resistant material of pump portion.
- Dual mechanical seals not working under discharge pressure nor exposed to liquid being pumped.
- Optional Water jet / Air jet arrangement.
- Choice of MOC of Impellers and Casings.
- Special series of pumps to handle high temperature liquid.



Slurry handling
Creating solutions...
over three decades

Family Performance Curve



DREDGER PUMP

Darling "Dredger" DR Series pumps are ideal for Waste Sludge Handling, De-silting of Waste Collections Ponds, Ball Mill Sumps, Conveyor Tunnel Sumps, Dredging Deep Deposits, Trench Clean Out and Back-fill in Pipe / Cable Laying Projects, River, Lake & Canal Clean out, Sludge Transfer, De-silting of Water Intakes etc.

CABLE

Double sheathed heavy duty PVC Submersible cable.

DENOMINATION

Product code DR
Installation Portable
Impeller characteristic- Close & radial
Discharge connection- Refer table

PROCESS DATA

Liquid Temp. max 40°C
Liquid Density max 1500 Kg/cm³
Strainer Hole size Refer table
Solid Handling 16 to 25 mm

MOTOR DATA

Squirrel cage Induction motor
Frequency 50 Hz ($\pm 3\%$)
Voltage variation 415 (+6%, -15%)
Starting Direct on line up to 9.2 kW and Star delta 11 kW and above.

MATERIALS

Casing CI-FG 200
Impeller Abrasion Resistant Steel
Agitator Abrasion Resistant Steel
Motor Body CI FG 200
Strainer Stainless Steel
Shaft Stainless Steel
O-Rings Nitrile Rubber

WEIGHT (IN KG)

KW	KG
3.7	200
5.5	230
7.5	265
11	290
15	325
18.6	325
22	350
30	440
37	490
55	550

SPEED & CURRENT

KW	Speed of Motor (RPM)	Rated Current (A)
3.7	1440	9
5.5	1440	13
7.5	1440	16
11	1450	23
15	1460	25
18.5	1460	38
22	1460	45
30	1460	58
37	1460	72
55	1460	105

MONITORING EQUIPMENT

Thermal contacts
Opening temperature +85°C

DIMENSION

KW	Dia	Height
3.7	395	1055
5.5	455	1105
7.5	575	1175
11	575	1175
15	585	1275
18.6	585	1275
22	585	1325
30	695	1515
37	695	1615
55	750	1850

* Contact us for pumps above 55kW

Product Range

- OPENWELL SUBMERSIBLE PUMPS • SUBMERSIBLE DE-WATERING PUMPS • SUBMERSIBLE SEWAGE PUMPS
- SUBMERSIBLE SLURRY PUMPS • VERTICAL WET-PIT SEWAGE PUMPS • LOW HEAD HIGH DISCHARGE PUMPS
- LIQUID LEVEL CONTROLLER FLOAT BALL • DRY RUNNING PROTECTOR •



Simply pumps!

DARLING PUMPS PVT. LTD.