

GRINDER PUMP

A Heavy Duty submersible Cutter pump



DARLING submersible Grinder pumps are designed to handle Waste water, Process water, Raw unscreened Sewage in all kind of Domestic, Municipal, Utility, & Industrial applications. Specially designed sharp cutters effectively cuts the fibrous / unscreened Sewage, big soft solids in to smaller particles and smoothen the flow. Inbuilt Strainer is provided as an added protection.

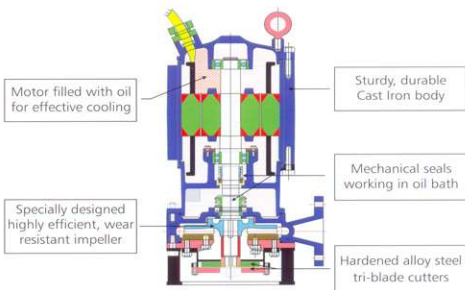
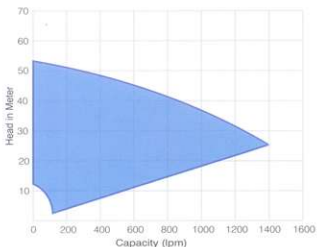
SALIENT FEATURES

- Economical, Compact and Sturdy.
- Hardened alloy steel tri-blade cutters for effective cutting.
- Cutter arrangement is such that it generates almost 9000 chops per min.
- Special motors with temperature, sensing device to prevent dry running, overloading or mechanical jamming.
- Choice of impellers and casing to meet various duty conditions.
- Fast out (Guide rail) arrangement available up to pit depth of six meters.



Waste Water
Creating solutions...
over three decades

Performance Curve



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Darling Grinder pumps can be ideally used for all types of Sewage applications in Hotels, Residential, Commercial, Industrial Wastewater, IT Parks, Malls, Hospitals, Fisheries, Slaughter House, Food Processing Industry etc.

MOTOR DATA

Squirrel cage Induction motor
 Frequency 50 Hz ($\pm 3\%$)
 Voltage variation 415 (+6%, -15%)
 Starting direct on Line / Star Delta

SPEED & CURRENT

KW	Speed of Motor (RPM)	Rated Current (A)
1.5	2800	4.25
2.2	2820	6.5
3.7	2830	9
5.5	2850	13
7.5	2860	16
9.3	2860	19
11	2870	23
15.0	2880	32

DENOMINATION

Product code GR
 Installation Portable
 Impeller characteristic Radial

POWER & CONTROL CABLES

Double sheathed heavy duty PVC Submersible cable.

MATERIALS

Casing	Graded Cast Iron
Impeller	Graded Cast Iron
Motor Body	Graded Cast Iron
Cutter	Hardened Alloy Steel
Shaft	Stainless Steel
O-Rings	Nitrile Rubber

PROCESS DATA

Liquid Temp. max 40°C
 Liquid Density max 1100 Kg/cm³
 The PH of the pump liquid 6.5-8

WEIGHT (IN KG)

Please contact technical department for these details.

DIMENSION

Please contact technical department for these details.

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 •



DARLING PUMPS PVT. LTD.

Simply pump!