

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.

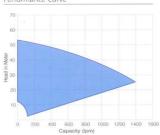
SALIENT FEATURES

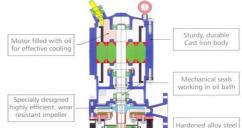
- · Economical, Compact and Sturdy.
- Hardened alloy steel tri-blade cutters for effective cutting.
- Cutter arrangement is such that it generates almost 9000 chops per min.
- Special motors with temperature, sensing device to prevent dry running, overloading or mechanical jamming.
- Choice of impellers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





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 (±3%) Voltage variation 415 (+6%, -15%) Starting direct on Line / Star Delta

SPEED & CURRENT

KW	Speed of	Rated
	Motor (RPM)	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
1.1	2870	23
15.0	2880	32

DENOMINATION

GR Product code Portable Radial Impeller characteristic-

POWER & CONTROL CABLES

Double sheathed heavy duty PVC Submersible cable.

MONITORING EQUIPMENT

Thermal contacts +85°C Opening temperature

MATERIALS

Casing Impeller Motor Body Cutter Shaft O-Rings

Graded Cast Iron Graded Cast Iron Graded Cast Iron Hardened Alloy Steel Stainless Steel Nitrile Rubber

tri-blade cutters

PROCESS DATA

Liquid Temp. max 40°C 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







