

DGS

THE BEST SOLUTION: To handle solid waste and fibrous materials that can clog traditional sewage pumps

WITH ULTRA-PERFORMING AND PROFESSIONAL SOLUTIONS DISTRELMA

DESCRIPTION

The DGS pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: gloves, rope, cloth. Being not wound and no obstruction. It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

The float switch can automatically control on and off with the change of the liquid level. The protector in the motor can automatically cut off the power when it overheated or overloaded.



Advanced
German
Technology

SUBMERSIBLE GRINDER PUMPS - DGS

TECHNICAL DESCRIPTION

Pump	Type	Cutting Submersible Pumps
	Model	DGS
Motor	Type	Induction Motor
	Poles	2 Pole
	Rated Speed	2850 r.p.m
	Insulation Class	Class F
	Protection	IP68
	Continuous service	S1
	Thermal protector	For single phase
	Motor Winding	100% Copper Wire
	Alimentation	Single-phase 220V/50Hz Three-phase 380V/50Hz
	Start. Method	D.O.L.
Lubricant	Food Grade	
Impeller Type	Vortex	
Shredder	Stainless Steel AISI 304	
Shaft Seal	Double Mechanical Seal	
	SiC-SiC/Ceramic-Graphite	
Bearings	Ball Type	
Cable	H07RNF	
	Length: 8m or longer upon request.	
Materials	Pump Casing	Cast Iron
	Suction Filter	Stainless Steel AISI 304
	Impeller	Cast Iron
	Shredder	Stainless Steel AISI 304
	Motor Housing	Stainless Steel AISI 304
	Motor Shaft	Stainless Steel AISI 304
	Handle & Screws	Stainless Steel AISI 304
		
Max. Liquid Temperature	104°F (40°C)	
Float Switch	Yes, For single phase	
Pump Outlet	2"	
Max Pump Capacity	Max Flow	21 m³/h
	Max Head	23 m
Max. Submersion Depth	8 m	
Approvals	CE	
Accessories	Included	Discharge Elbow
	Optional	Control box

DGS

The Best Pump for Pumping Untreated Waste Water

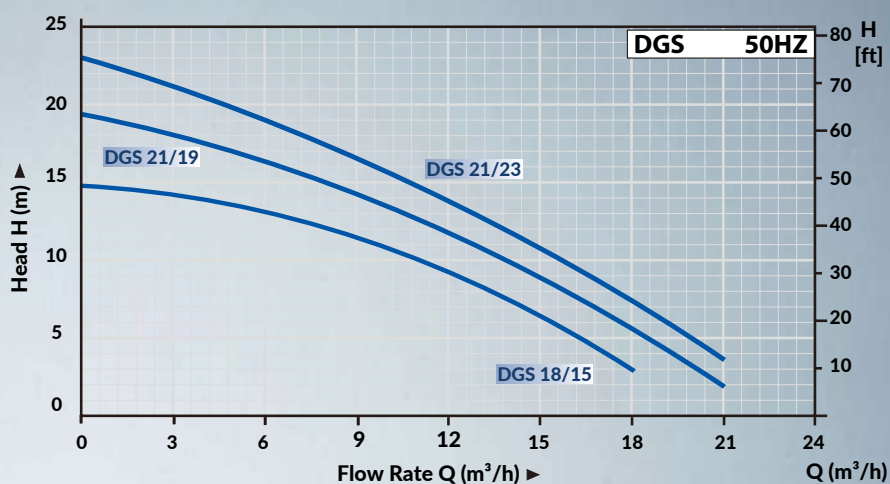
PERFORMANCE TABLE

DESIGNATION		POWER		Q (m ³ /h)	0	3	6	9	12	15	18	21
1 x 220-240 V	3 x 400V	(KW)	(HP)	Q (L/S)	0	0,83	1,67	2,5	3,33	4,16	5	5,83
DGS 18/15 M AUT	DGS 18/15T	0,8	1,1	H (m)	15	14	13	11,5	10	7	3	
DGS 21/19 M AUT	DGS 21/19T	1,1	1,5		19	18	16,5	14	12	9	6	2
DGS 21/23 M AUT	DGS 21/23T	1,5	2		23	21,5	19	16,5	14	11	7,5	4

PERFORMANCE CURVES



GRINDER



DIMENSION & WEIGHT

DESIGNATION		OUTLET	PARTICAL	NET WEIGHT	DIMENSIONS
1 x 220-240 V	3 x 400V	(inch)	(mm)	(Kg)	LxWxH (mm)
DGS 18/15 M AUT	DGS 18/15T	2"	5	28,5	310x230x640
DGS 21/19 M AUT	DGS 21/19T	2"	5	30,5	310x230x640
DGS 21/23 M AUT	DGS 21/23T	2"	5	33	310x230x670

APPLICATIONS

- Scum pumping at waste water treatment plant
- Municipal projects
- Industrial packaged pump station
- Home and domestic application (Special for kitchen)
- Pumping agricultural manure (dairy, hog and poultry)

