

# HYDRAINER

## THE SUBMERSIBLE PUMP COMPANY

SPECIALIST HIRE OF HYDRAULIC AND ELECTRIC SUBMERSIBLE PUMPS

### 50 SH Centrifugal Screw Pump



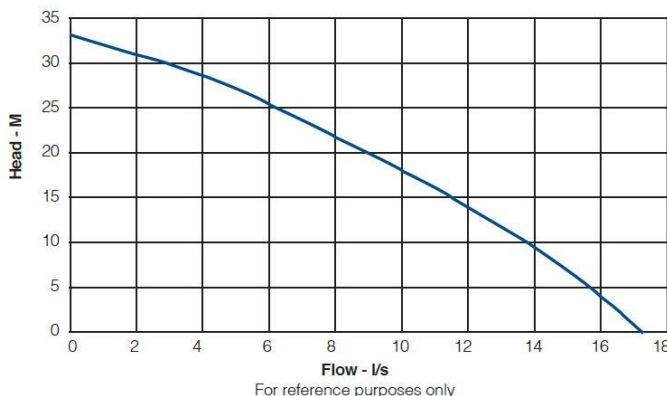
Discharge Size	-	50 mm
Solids Size	-	50 mm
Weight	-	33 kg
Height	-	570 mm
Width (max.)	-	320 mm
Max. Head	-	33 m
Max. Output	-	17 l/s
H.P. Nominal	-	4.5 kw
Hydraulic Flow	-	20 l/min
Hydraulic Pressure	-	136 bar
Power Pack	-	10 Series

#### Construction

Volute	-	GRADE 250 iron.
Impeller	-	Cast iron as standard.
Shaft Seal	-	Oil lubricated silicon carbide mechanical seal.
Shaft	-	Stainless steel supported by robust oil lubricated preloaded bearings.
Motor	-	Gear motor incorporating Hydrainer high pressure shaft seal.

#### Features

- Solids handling – the screw centrifugal impeller has outstanding non-clog characteristics and will pump sludges & slurries beyond the capability of conventional centrifugal pumps.
- The axially extended impeller provides a smooth flow path between inlet & outlet & thus can handle more delicate and shear sensitive materials.
- High volume, high head, variable impeller speed.
- Simple construction, requires little maintenance.
- Easily portable.
- Safe, no risk of electric shock or explosion.
- Runs dry – mechanical shaft seal runs in an oil bath.
- Quiet, pump can be remote from power source.
- Spares & Service available through our national network.



#### Applications

- Agriculture Slurries
- Process Wastes
- Sewage Sludge
- Paper Mills
- Abattoir Waste
- Oil Refineries

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