

# Circle Pumps

## SH12-300 HYDRAULIC SUBMERSIBLE DREDGE PUMP WITH AGITATOR



- 500cc HYDRAULIC PISTON MOTOR.
- DISCHARGE SIZE 12 INCH (300MM).
- DESIGNED FOR HEAVY SAND SLURRIES.
- HYDRAULIC OR ELECTRIC DRIVE.
- JETTING RING ATTACHMENT OPTIONS.
- 120MM SOLIDS SIZE
- VARIABLE POWER UP TO 300HP

**High Capacity 25m<sup>3</sup>/min**

**Excellent combination of heavy duty wear resistant materials, variable input drive power with wide enclosed impeller provides high flow capacities with sufficient power to pump heavy slurries, sands and gravels.**

**Our special high pressure seal provides excellent integrity at deeper water depths.**

**Featuring Oil filled bearing housing and large compensators for deep water / subsea operations.**

**CIRCLE PUMPS CO., LTD**

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# SH12-300

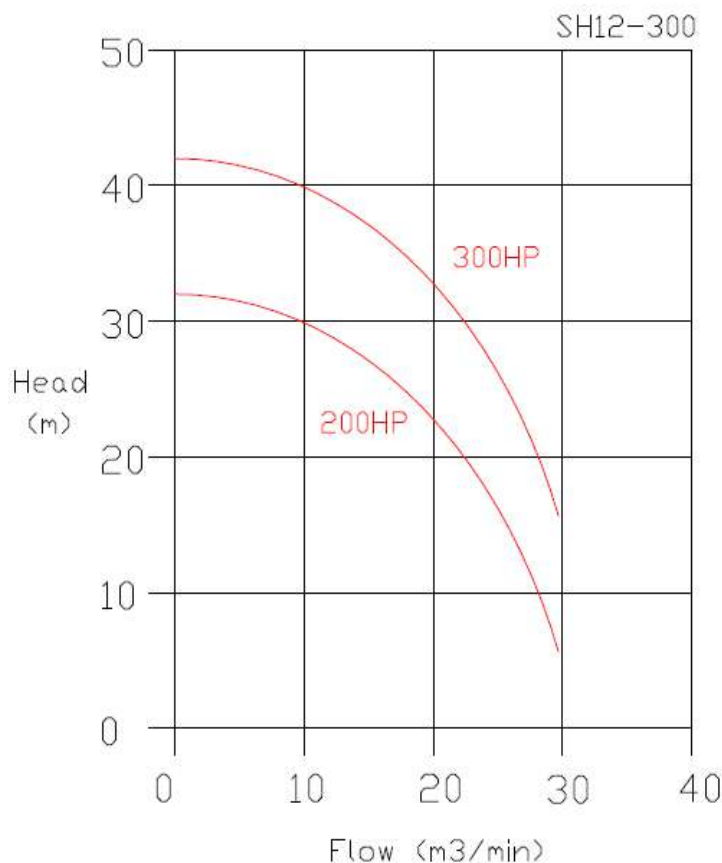
## Specifications

**Discharge Size** 12" (300mm)  
**Max Power** 300HP (220kw)  
**Capacity** 25m<sup>3</sup>/min at 23m.  
**Max head** 42m  
**Max Flow** 30m<sup>3</sup>/min  
**Solids Size** 120mm Dia.  
**Weight** 5,000 kgs

**Hyd. Flow** 450 ltr/min  
**Hyd. Press.** 340 bar  
**Pump Speed** 810 rpm (max)

## Materials

**Casing** FCD550  
**Impeller** Hi-Chrome  
**Agitator** Hi-Chrome  
**Shaft** SCM435



The main features of our heavy duty slurry pump is a heavy design of wear resistant casing and 28% HiCr impeller. Excellent combination of materials provides long term operation even in harsh abrasive slurries.

Incorporating high pressure mechanical seal in double TC

## Optional Accessories

Diesel or Electric Driven Hydraulic Power Pack.

Umbilical Power Spooler.

Heavy duty rubber delivery hoses, HDPE hoses, Floating Pipes.

Jetting water nozzle attachments, jetting pumps, hoses.

Lifting frame Options, excavator mounting plates.





# Circle Pumps

## SH16-500 HEAVY DUTY SUBMERSIBLE SLURRY PUMP WITH AGITATOR



**DISCHARGE SIZE 16 INCH (400MM).**

- **HIGH PRESSURE MECHANICAL SEAL.**
- **DESIGNED FOR HEAVY SAND SLURRIES.**
- **HYDRAULIC OR ELECTRIC DRIVE.**
- **CUTTER ATTACHMENT OPTIONS.**

**High Capacity 35m<sup>3</sup>/min**

**At 25m Head (500HP)**

**Excellent combination of heavy duty wear resistant materials, variable input drive power with wide enclosed impeller provides high flow capacities with sufficient power to pump heavy slurries, sands and gravels.**

**Our special high pressure double mechanical seal provides excellent integrity at deeper water depths.**

**Oil filled bearing housing for deep water applications.**

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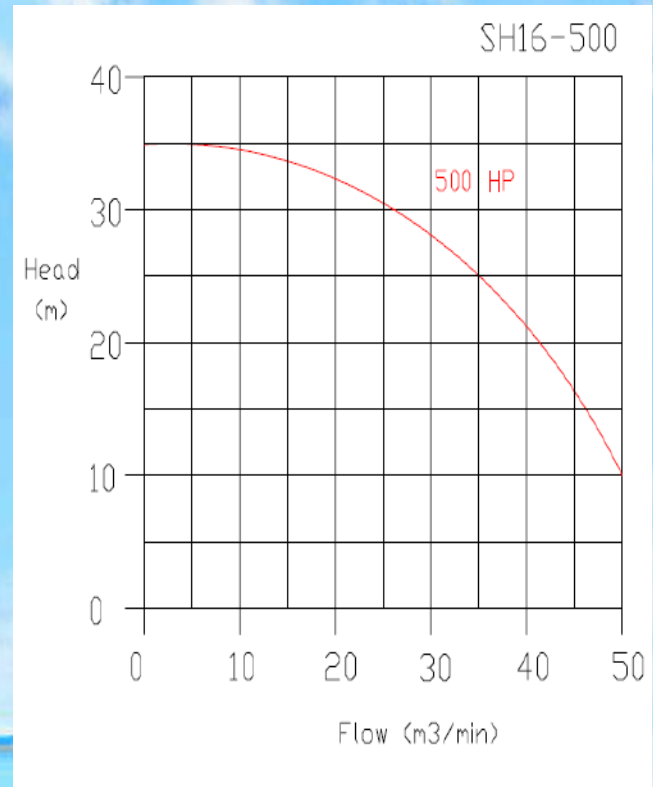
# SH16-500

## Specifications

<b>Discharge Size</b>	<b>16" (400mm)</b>
<b>Power</b>	<b>500HP (370kw)</b>
<b>Capacity</b>	<b>35m<sup>3</sup>/min at 25m</b>
<b>Max Head</b>	<b>35m</b>
<b>Solids Size</b>	<b>120mm Diameter</b>
<b>Water Depth</b>	<b>80m</b>
<b>Weight</b>	<b>7,500 kgs</b>
<b>Hyd. Req.</b>	<b>850 Ltr/min at 350 bar</b>

## Materials

<b>Casing</b>	<b>FCD550</b>
<b>Impeller</b>	<b>Hi-Chrome</b>
<b>Agitator</b>	<b>Hi-Chrome</b>
<b>Shaft</b>	<b>SCM435</b>
<b>Shaft Sleeves</b>	<b>SUJ 2</b>



**The main features of our heavy duty slurry pump is a heavy design of wear resistant casing and 28% HiCr impeller. Excellent combination of materials provides long term operation even in harsh abrasive slurries.**

**Featuring 5 level oil seal system and large compensators for deep water integrity.**

## Optional Accessories

**Hydraulic Power Unit, Umbilical Power Spooler,  
Cutter Head or side Excavator Attachments.**

**Heavy duty rubber delivery hoses, HDPE hoses, Floating Pipes.**

**Jetting water nozzle attachments, jetting pumps, hoses.**

**Lifting frame Options, excavator mounting plates.**



# SH12 & SH16



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