

SUBMERSIBLE ELECTRICAL SLURRY PUMP

SPSL304S-6P

30 HP (22.4 Kw)

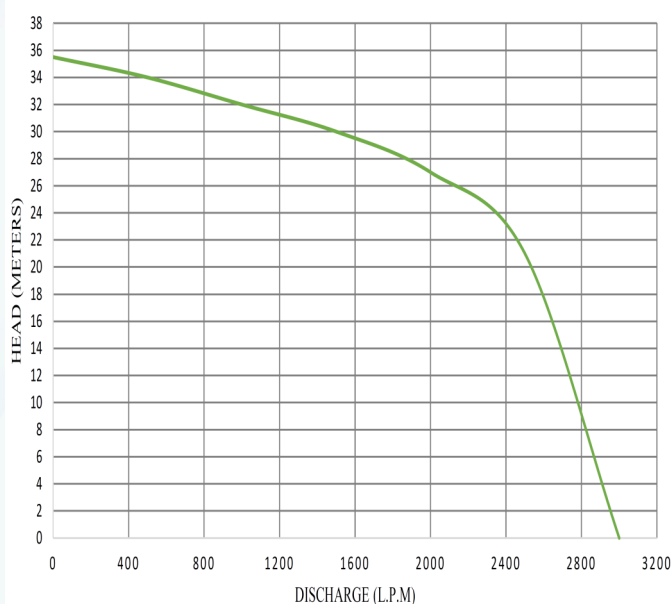
4" (100 mm) Discharge

TECHNICAL DETALS

Pump Type	: SLURRY
Connection Type	: DOL
Number of Poles	: 6
No. Of Stages	: 1
Motor Rating (Kw/HP)	: 22.4/30
Voltage (V)	: 415
Phase	: 3
Maximum Current (A)	: 45
Rated Speed (rpm)	: 960
Frequency (Hz)	: 50
Motor Insulation Class	: H
Max. Start/Stop per hour	: 15
Max. Temp. of pumped Fluid	: 40 °C
Motor Type	: WATER COOLED
Total Head (m)	: 35.5
Discharge (LPM)	: 3000
Delivery Size (mm)	: 100
Solid Handling (mm)	: 35
Pump Weight (Kg)	: 760



PERFORMANCE CURVES



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APPLICATIONS

- ⇒ General slurry duties
- ⇒ Harbour construction
- ⇒ Ash transfer
- ⇒ Mine waste pumping
- ⇒ Slit removal
- ⇒ Coal runoff sumps
- ⇒ Sand and gravel pumping
- ⇒ Food waste pumping
- ⇒ Barge and tank clean out
- ⇒ Lime slurry

CONSTRUCTION

- ◇ Dual class winding - IP 68
- ◇ HO7RNF Cable
- ◇ All other Cast parts SG Iron 500 / 7.
- ◇ Rotor shaft - SS 431
- ◇ High Chrome (27 %) - Impeller, Agitator & Wear Plate
- ◇ Heavy duty bearings (4 Roller Bearing & 1 angular thrust bearing)

* *Volute available in High Chrome 27 % (Optional)*

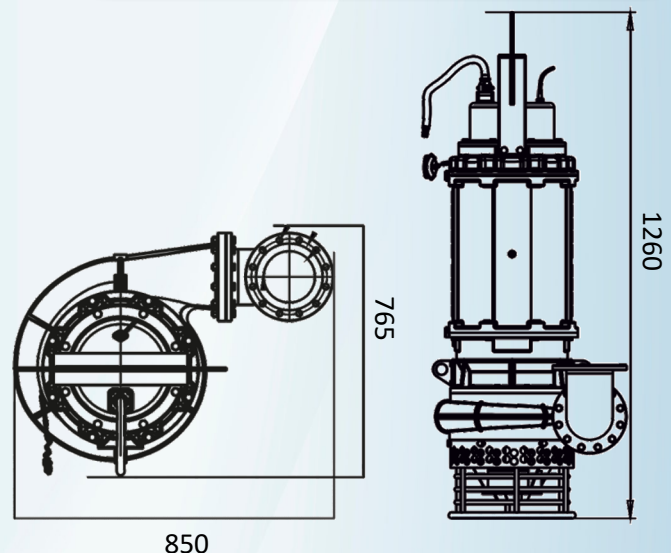
FEATURES

- * Solid to Slurry
- * High Chrome alloy steel Impeller / Agitator / Wear Plate
- * Max. pump submergence up to 40 meter.
- * Operate in liquid PH value 4 to 9.5.
- * Standard Cable 4 core 16 sq.mm x 10 m (Length).

SPECIAL FEATURES

- * Moisture sensor to protect motor winding.
- * Temperature sensor to protect motor.
- * Lip seal technology.
- * Option available - Duplex Steel / SS 316 L.

The pump can handle up to 2.65 sp. gravity of solid & 70% by weight CW.
This is subject to d50 values and calculation as per HI recommendation slurry pump selection procedure.



Agitator

Each pump is fitted with a high Chrome alloy steel Agitator to assist with the reduction of solid to slurry and which prevents clogging of the inlet of pump.

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**SPSL304S-6P
SECTIONAL DRAWING**

