



SB PUMPS

AN ISO 9001 CO

*The
Pump People*

**Series – TV - 3H
Model – SB - 504**



**Twin Volute
Slurry submersible Pump
Built Rugged and Tough**





Applications of SB make Slurry submersible Pump

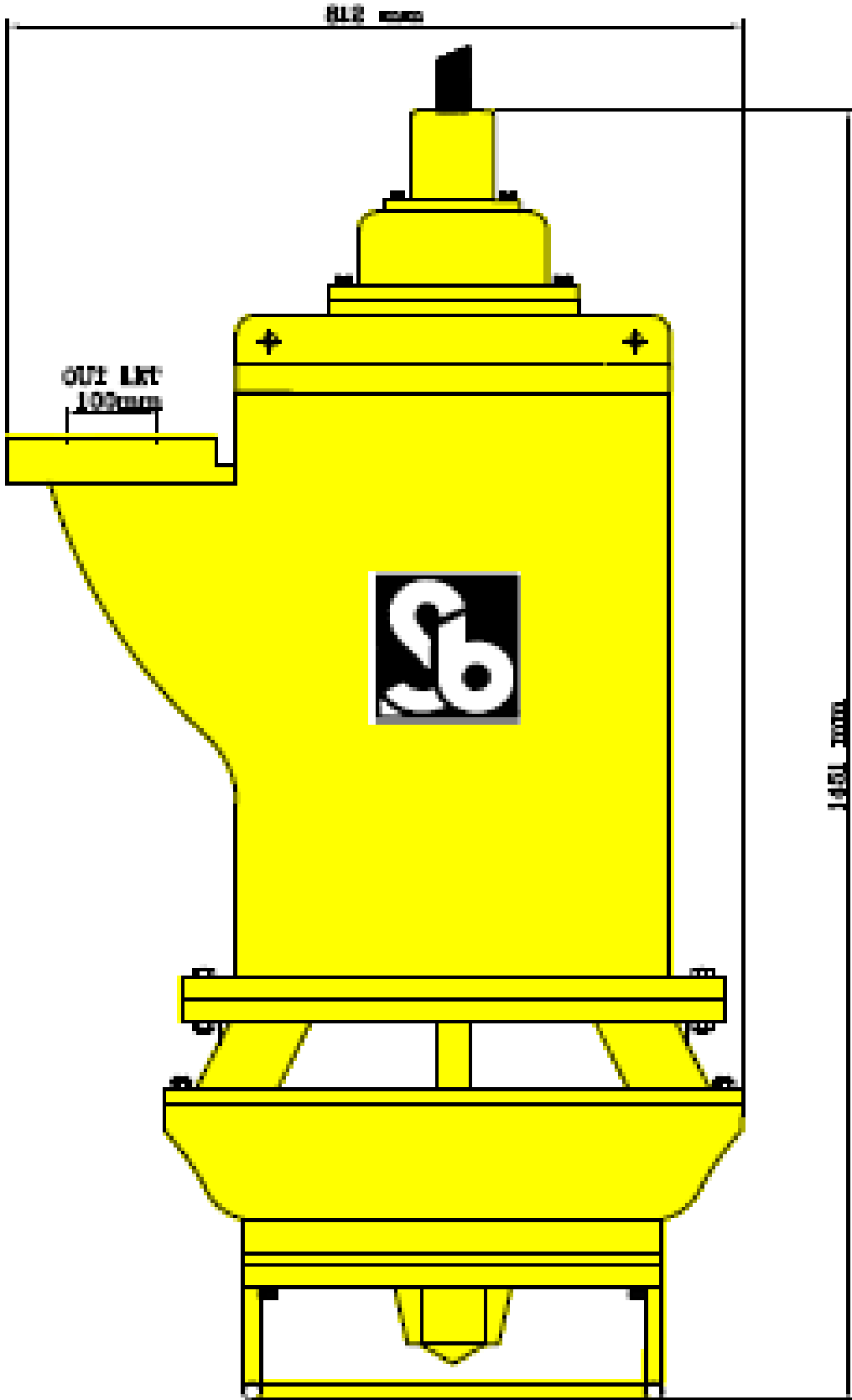


Bottom Ash/Fly Ash, Coal Washery, Mill Scale, Coal Dust, Coke pits, Mines Dewatering, Boiler Blow Down, Hydro Power Station Slurry, Silt – Removing, Ocean sand mining, Thick Mud. Lime Slurry, Cement Slurry, Coal Slurry , Ore Slurry, Dredging, De - silting etc.

Special Features:-

- Agitator attached directly to the extended rotor shaft.
- Discharge up to – 225 M³/Hr.
- Max.Head – 55 Mtr.
- Solid Handling Size up to 38 mm.
- Can handle 40% solid.
- Delivery size up to 100 mm.
- Max. Submergence upto 28 Mtr.
- Double Cage Rotor.
- Max. Slurry Temp – 90 Deg.
- 4 pole Motors.
- Safety factor 1.35.
- Adjustable Wear Plate and impeller.
- Max. Specific Gravity -1.5 Kg/L.
- Special Dual Action Mechanical Seal.
- Max. Horizontal Pumping Distance 750Mtr.
- Material of Construction available Hi – Chrome.

GA DRWAING OF **SB MAKE** TWIN VOLUTE
SLURRY SUBMERSIBLE PUMP



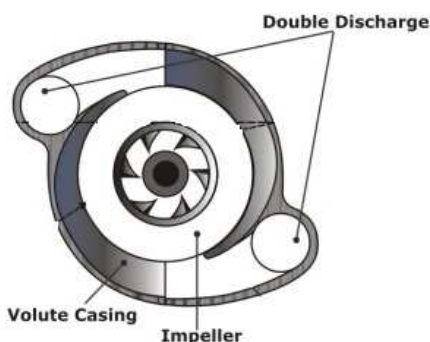


SB MAKE SLURRY SUBMERSIBLE PUMP

All **SB Vertical slurry twin volute submersible pumps** are designed specifically for abrasive slurries and feature robust design with ease of maintenance. The pump range is one of the strongest, toughest and most reliable pumps in the market. Ultimate design to operate **under fully submerged or partially submerged for maximum pumping.**

The SB slurry pumps are easy to install, and feature a cantilever design without submerged bearings or shaft seal. The bearing assembly with double protection sealing arrangement prevents ingress of slurry. The materials used are the very best available, providing both excellent wear properties and corrosion resistance. Wear parts are available in a variety of different materials and fully interchangeable. Semi-open, vortex, fully recessed vortex and closed impellers are available to suit your pumping needs.

The wet-end parts are designed for the toughest application and the longest wear life, the Twin volute and generous solids passages through the pump ensure a safe and clogless operation. Standard pumps are supplied with wear resistance like High Chrome white iron alloy, Ni – Hard....



This figure show how the thrust is balanced by the Twin-Volute with 180 degrees opposite discharge outlets.

CROSS SECTIONAL VIEW OF SB MAKE SLURRY SUBMERSIBLE PUMP

Four Pole continuous rated motor which is moisture proof, wined with superior quality of copper and dual Coated insulation of class F/H thermal .

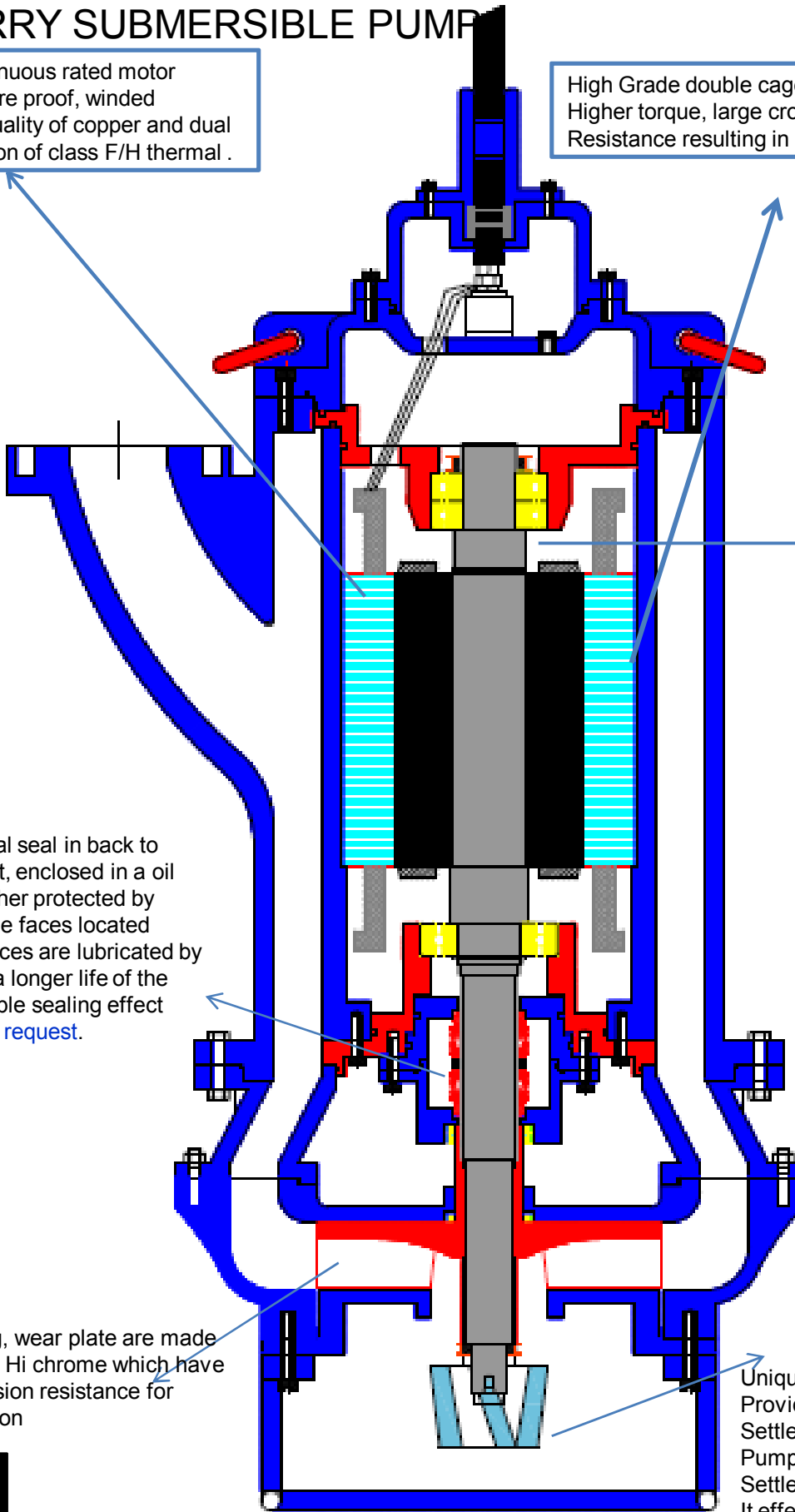
High Grade double cage rotor which gives Higher torque, large cross section and low Resistance resulting in a high efficiency

Heavy duty over size bearings are being Provided.

Double Mechanical seal in back to Back arrangement, enclosed in a oil Chamber and further protected by Leap seal. Both the faces located In oil bath, both faces are lubricated by The oil, it ensure a longer life of the Product and a stable sealing effect
Cartridge seal on request.

Impeller, casing, wear plate are made Upof Ni – Hard, Hi chrome which have Excellent abrasion resistance for Tough application

Unique designed agitator is Provided to resuspend Settled solid, assisting the Pump to transfer a high percent Settled solid particals, due to per It effectively works under dense slurry

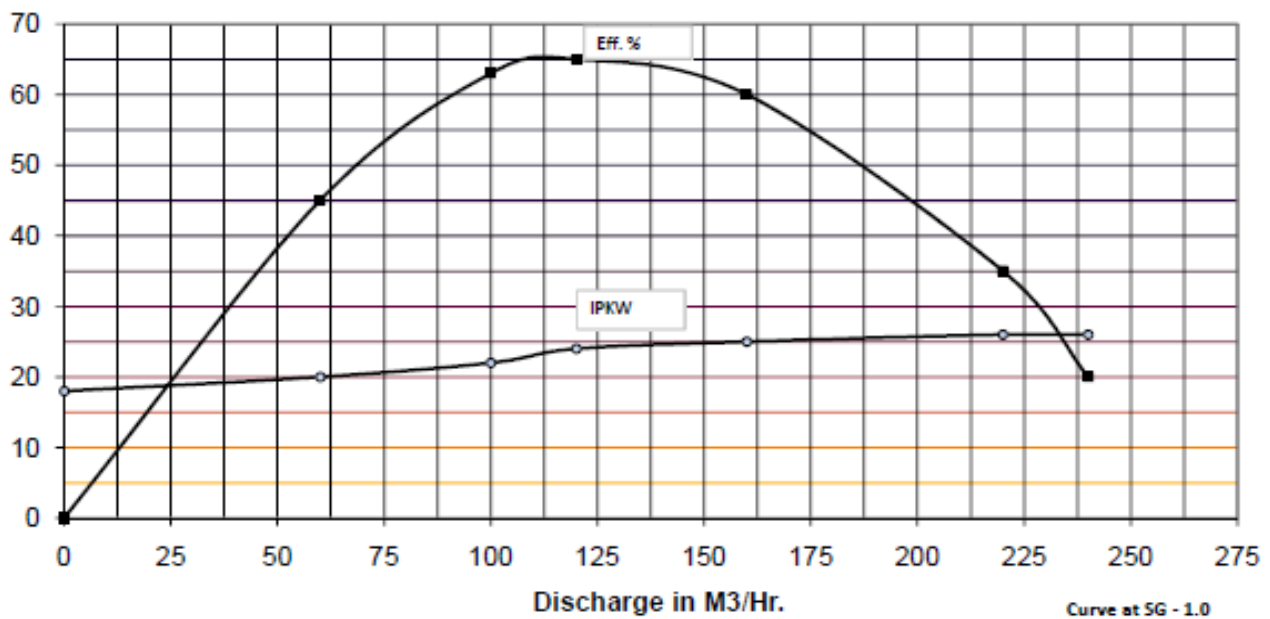
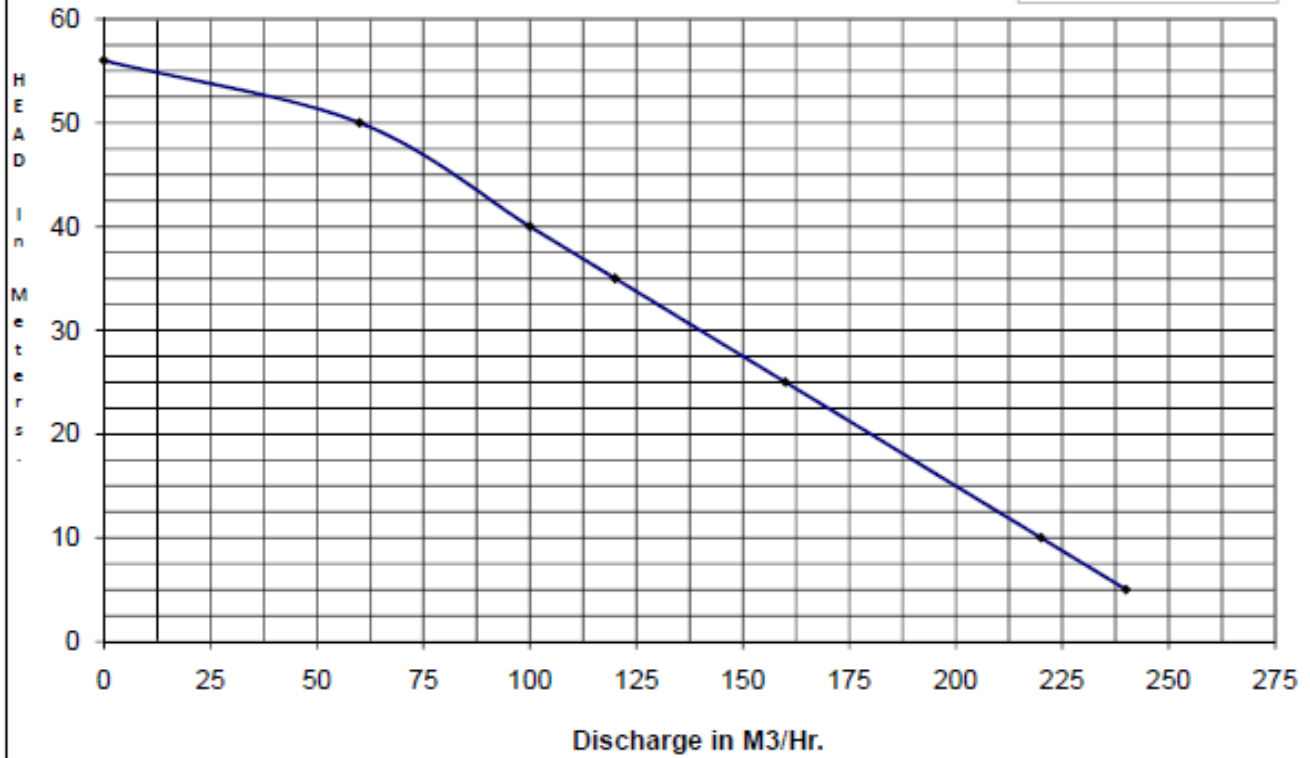


PERFORMANCE CURVE



Performance Curve SB SLURRY SUBMERSIBLE PUMP
Series - TV - 3H, MODEL - SBSL504, 50 HP

Performance at 50
Hz, 1450RPM, 415 V



Curve at SG - 1.0

Accessories for Slurry Submersible Pumps.

❖CONTROL PANNEL:-

▪Specially designed Control Panel consisting of DOL starter with Pump Protection Relay, Amp. Meter, Volt Meter, with Selector Switch, 3 Phase Indicator, Start – Stop Indicator, ON – OFF Push Button, Dry Run Protection ELR with CBCT, Incoming MCCB.



❖Heavy Duty Slurry Discharge Hose:-

▪Specially designed Slurry Discharge Hose Wire embedded good wear Resistance, Nylon Reinforced suitable for discharge pressure of 10kg/CM2, with rubber molded flange.



❖Lifting Chain:-

▪Heavy duty SS 304 Grade Chain for Lifting and Installation of Pump. 500mm Length.



Above accessories are optional.

Manufactured By -



SB PUMP INDUSTRIES

Plot No.30 Industrial Area Richhai Jabalpur – 482010 – MP - INDIA.

Tele/Fax - +91 – 761 – 2330221,2331485

email – info@sbpumpsindia.com

Web – www.sbpumpsindia.com