

KIRLOSKAR SOLID HANDLING PUMP-SHL



Enriching Lives

Kirloskar SHL solid handling pumps are single stage, single suction pumps with a back pull out type design. These are horizontal non-clog pumps. The SHL pump section is suspended by a column pipe which also protects the transmission shaft. The impeller is a single suction type non-clog, free flow dynamically balanced, capable of handling liquids containing solids.

APPLICATIONS

- Contaminated process liquids like sugar factory waste, trade liquors
- For handling liquids with solids in suspension, pulpy material in paper industries
- Viscous liquids or powdered material slurries

SPECIFICATIONS

- Delivery size ranging from 250 mm to 900 mm
- Capacity up to 13000 m³/hr
- Head up to 82 metres
- Temperature from (-) 10° C to 90° C

FEATURES

- Horizontal shaft, single stage, single suction pumps with back pull-out type design
- 50 Hz/60 Hz availability



KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

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Description

Casing:

End suction with vertical delivery, high efficiency volute type to pass any solid that passes through the impeller and provides smooth unobstructed flow. Delivery flange and feet are cast integral with the casing. A large inspection opening is provided on casing throat and on suction cover.

Impeller:

Single suction type enclosed impeller dynamically balanced. Semi-open impeller on request.

Shaft:

Shaft is supported by two bearings. Shaft in stuffing box area is protected by a shaft sleeve.

Stuffing box:

Standard stuffing box sealing is grease. Optional sealing by water. Gland packed without cooling upto 90 deg C and with cooling upto 140 deg C. Mechanical seal arrangement possible.

Bearings:

Standard : Spherical Roller Bearing at DE. Cylindrical roller bearing at NDE.

Standard lubrication is grease and optional is oil.

Direction of rotation:

Clockwise viewed from driving end.

Drive:

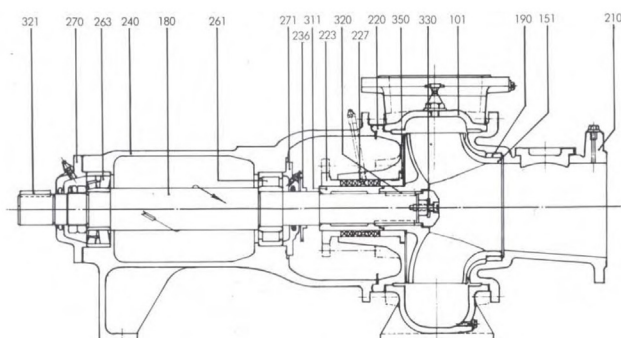
These pumps are suitable for coupling with electric motor or I.C. engine directly or through belt drive. Vertical pumps can be driven through Cardan Shafts. Cardan Shafts can be provided with protection cover if required.

Flanges:

Standard drilling to DIN 2533 ND 16

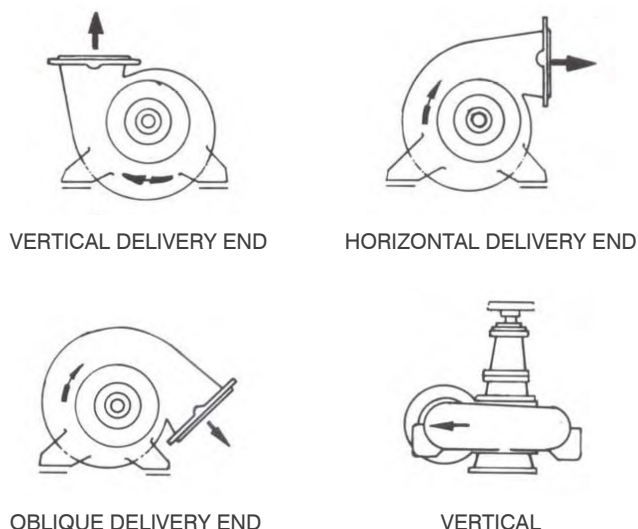
Optional drilling to ASA/BS/IS

Cross-Sectional View



Part No.	Name of the part	Part No.	Name of the part
101	Pump casing	261	Cylindrical roller bearing
151	Impeller	263	Spherical roller bearing
180	Shaft	270	Bearing cover (DE)
190	Casing ring	271	Bearing cover (NOE)
210	Suction cover	311	Shaft sleeve
220	Casing cover	320	Key for impeller
223	Gland	321	Key for coupling
227	Lantern ring	330	Impeller nut
236	Deflector	350	St. box bush
240	Bearing housing		

Executions



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OUR COMPANIES



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