

All purpose CENTRIFUGAL PUMPS

- o General industries
- o Buildings
- o Booster system
- o Airconditioning
- o Firefighting
- o Farms

# Specification

Maximum capacity 150 1/s

Maximum head 150 m

Maximum working pressure 1600kPa

Temperature range -10°C to 105°C

Direction of rotation Clockwise viewed

### Materials of construction

Casing capacity
Impeller
Wear ring,
Cast iron
Shaft
Stainless steel
Shaft sleeve
Lantern ring
Cast iron
Cast iron
Cast iron
Cast iron
Cast iron
Cast iron

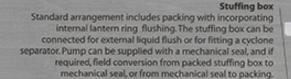
Other materials of construction are available

on most models

from drive end

### Special package units

Pumps can be supplied units or as complete package units incorporating baseplate, coupling, coupling guard and driven by electric motor, diesel or petrol engine.



Bearings housings

Only three bearing housings are required for the total pump range. It gives high interchangeability of parts across the complete range.

Bearings

Grease lubricated and fitted with grease nipples that allow periodic regreasing of the bearings for longer life. Shaft

Of stainless steel. Seated at the impeller by dome-type locking nut.

Shaft sleeve

Replaceable stainless steel positively driven shaft sleeve is of substantial advantage when pump requires maintenance. Any damage under the gland packing can be quickly connected by replacing the sleeve, not the whole shaft.

Support foot

Removable. Fitted at the drive for greater rigidity and easy maintenance. Wear rings

Replaceable ear rings are fitted to ell casings and also to back covers on larger pumps. This considerably cuts time and maintenance cost.

Impellers

Of double shrouded type. Hydraulically balanced on smaller diameters by back vanes and on larger diameters by replaceable wear rings. Twisted vane design gives optimum fluid flow into the impeller eye, enhancing suction performance and efficiency.

Back pull-out feature

With the back pull-out feature, the complete rotating element bearing housing assembly can be removed without disturbing the suction and discharge pipework connections. If a spacer coupling with adequate spacer length is fitted, the motor can also remain in position. Maintenance is made simpler and the pump downtime is drastically reduced if a spare rotating element is available.

To remove the rotating assembly, the coupling spacer is withdrawn and the nuts holding the bearing frame to the casing removed. Any auxiliary pipework and the support foot are then disconnected and the rotating assembly removed. If a spare rotating assembly is available this can immediately be fitted and the pump can be back in service while maintenance is carried out on the original unit. There is no need to realign the coupling when rotating element is replaced.

EBSTRAL

Volute casing Has integrity cast

top center-line

discharge. Inlet

has cast vane to

impeller eye.

improve flow into

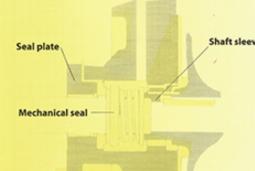
feet, axial suction

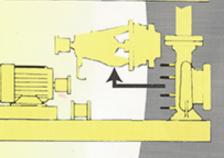
and robust vertical

## All purpose CENTRIFUGAL PUMPS

From 32mm to 150mm discharge

Complies fully with the International Standard DIN 24255, the performance and dimensions standard. Thirty-three models have grease lubricated bearings. Four models have oil lubricated bearings with a wide hydraulic coverage at both two and four pole spreads from 50 Hz and 670 Hz. Most models are suitable for 16 bar working pressure.





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