



Enriching Lives

# MULTISTAGE PUMPS

TYPE - RKB



## Features:

This pump consists of a number of ring section diffuser casings bolted suction and delivery casing. Various models are available to operate at 1450 rpm and 2900 rpm at 50 Hz power supply frequency.

### Casing :

Latest casing techniques ensure smoothness of hydraulic passages resulting in high efficiency and reliability under hazardous conditions. The delivery flange is vertical. The suction flange can be oriented left or right viewed from driving end.

### Impeller :

The enclosed impellers of the radial flow type are provided with balancing holes to balance the hydraulic axial thrust. The rotating elements are statically and dynamically balanced.

### Shaft :

The high tensile steel shaft accurately machined and ground is supported by antifriction bearings that take the residual axial thrust and prevent axial float or radial run out. The shaft is protected by shaft sleeve from wear in stuffing box area.

### Stuffing Box :

The stuffing box can be sealed by gland packing or by mechanical seal with minor modification. While pumping high temperature liquids from 90°C to 140°C, cooling jacket is provided for the stuffing box.

### Bearing :

Standard lubrication is grease. For temperature above 90°C and upto 140°C - oil lubrication is required.

### Direction of Rotation :

Standard : Clockwise viewed from driving end.  
Optional : Anticlockwise viewed from driving end.

### Drive :

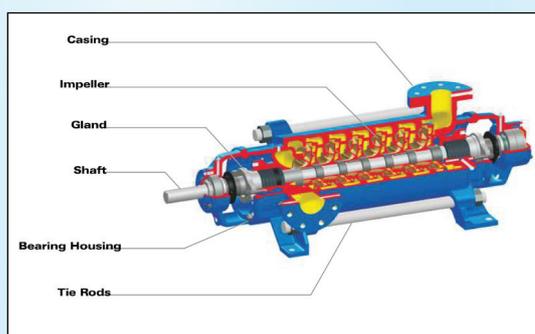
These pumps are suitable for coupling with electric motors, I C engines or steam turbine either directly or through belt drives.

## Range:

- Delivery size : up to 250 mm
- Capacity : up to 850 m<sup>3</sup>/hr
- Head : up to 850 metres

## Applications:

Mine Dewatering, Boiler Feed, Water Supply to high rise buildings, Fire Fighting, Sprinkler Irrigation



	Standard	Optional
Suction Flange	DIN ND - 10	ASA 125, 150 Flange BS 4504-16/11
Delivery Flange	DIN ND - 40 or ND - 64	ASA 250, 300 or 800 BS 4504-16/

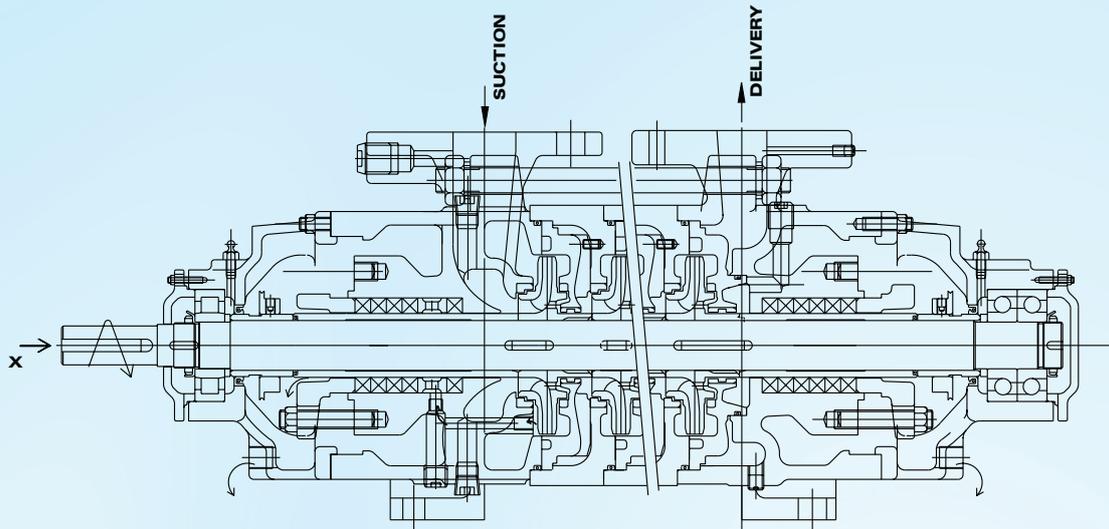


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## Cross-Sectional View:

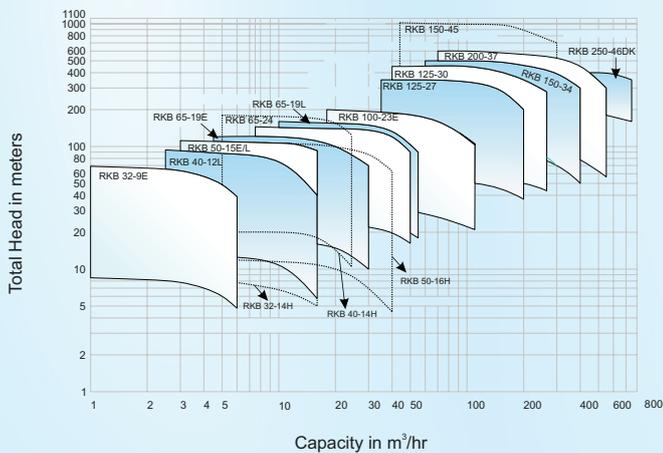


## Material Of Construction:

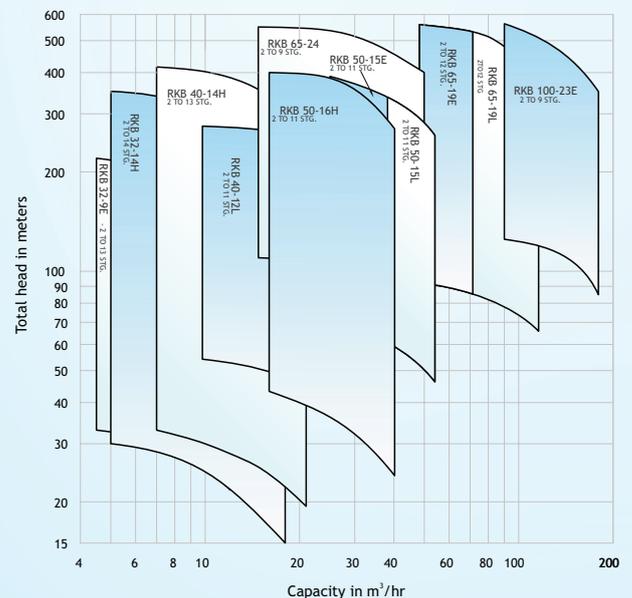
Casing Suction / Discharge / Stage	Cast Iron / Cast Steel / Stainless Steel / Duplex Steel
Impeller	Cast Iron / Bronze / Phosphor Bronze / Cast Steel / Stainless Steel / Chrome Steel / Duplex Steel
Diffuser	Cast Iron / Cast Steel / Stainless Steel / Chrome Steel / Duplex Steel
Casing wear Ring	Cast Iron / Bronze / Steel/ Duplex/ Super Duplex
Shaft	Carbon Steel/ Steel/ Duplex/ Super Duplex
Shaft Sleeve	Stainless Steel / Bronze/ Duplex/ Super Duplex

## Family Curves

Pump at 1450 rpm-50Hz



Pump at 2900 rpm-50Hz



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## OUR COMPANIES



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