150/125 LP IIIr

The pump has a replaceable moulded linatex impeller and thick rubber liners for the best abrasion resistance, and a good hydraulic performance. Three unique Linatex gland seal options are available. The cast iron bearing assembly and high tensile steel shaft, is assembled as a cartridge and can be adjusted axially to maintain hydraulic clearances as the impeller and liners wear.

The bearings are designed for long life with grease lubrication. They are sealed with double grease seals and a protective flinger. The rigid pedestals are made in Cast iron or welded steel. The whole unit is protected from overall corrosion with an engineered paint system.

Standard curve
Arrangement drawing
Sectioned drawing

Standard materials and parts list
Bearing Assembly
Motor support, Maintenance arm assembly
Typical Bearing Assembly Drawing

Dry gland assembly
Packed gland assembly
Hydrostatic gland assembly
Typical Dry Gland Drawing
Typical Packed Gland Drawing
Typical Hydrostatic Gland Drawing
150/125 LP IIIr Standard curve

**Contents**

- BETTER RUBBER, BETTER RESULTS

**Parameters**

- **IMPELLER DIA**: 372 mm
- **MAX SPEED**: 1400 RPM
- **MAX SOLIDS**: 50 mm
- **CURVE NO**: 125/2.96
- **No. OF VANES**: 4
- **MAX KW**: 125 kW
- **DATE**: 28/01/97

**Equation**

\[KW\ \text{POWER} = \frac{L}{s} \times m \times SG \times 1.02 \times \text{EFF.}\]

**Graph**

- **X-axis**: CAPACITY (l/sec)
- **Y-axis**: HEAD (m)
- **Y-axis**: NSPH (m)

**Curves**

- 400 RPM
- 650 RPM
- 900 RPM
- 1150 RPM
- 1400 RPM

**Efficiencies**

- 36%
- 45%
- 55%
- 60%
- 63%
- 63%
150/125 LP IIr Arrangement drawing

**NOTES:**
1) MAX. FLANGE LOADS & TURNING MOMENTS ARE AVAILABLE, BUT PUMP MUST NOT BE USED AS AN ANCHOR. ALL PIPES MUST BE INDEPENDENTLY SUPPORTED.
2) POSITION OF EYEBOLT & DRAIN PLUG WILL ALSO ROTATE THE SAME AMOUNT AS THE DISCHARGE PORT.
3) ADD MOTOR HEIGHT TO OBTAIN PULLEY CENTRE DISTANCE.

**REFERENCES**
- **Reference Drawings**
- **Drawing No.**
  - PUMP ASSEMBLIES
  - GA-D-125, GA-H-125 & GA-P-125
  - BEARING ASSEMBLY
  - 15-125
  - GLAND ASSEMBLIES
  - GD13-125, GH13-125 & GP13-125
  - MOTOR SUPPORT ASSY.
  - 16-125
  - SERVICE ARM ASSEMBLY
  - 28-125
  - BELT GUARD
  - 29-125
  - SHAFT GUARD
  - 31-125

**Flange Details**

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<th>Flange Details to BS4504 (mm)</th>
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* STUD LENGTH PROTRUDING

**Specifications**
- WEIGHT OF PUMP 690kg.
- WEIGHT OF 250M MOTOR 465kg.
- MAX. MOTOR FRAME: 250M - 75kW WITH STANDARD MOTOR PLATFORM.
- EXTENDED MOTOR PLATFORM NOT AVAILABLE.
150/125 LP IIIr  Sectioned drawing

SECTION THROUGH PUMP ASSEMBLY

FRONT VIEW ON PEDESTAL

BETTER RUBBER,BETTER RESULTS