



### Application

- HVAC: Circulation of hot water, boiler mix-flow, temperature mix-flow, intermittent heat supply, etc
- Air conditioning system: Cooling water circulation
- Water supply system: Filtration and transfer at waterworks; Pressure boosting in main pipe
- Industrial applications: Washing & cleaning systems, boiler feeding, cooling water circulation, water treatment systems, and auxiliary systems
- Fire-fighting system

### Pump

- Flow: up to 760 m<sup>3</sup>/h
- Head: up to 85 m
- Power range: 0.37 – 132 kW
- Liquid temperature: 0°C – +90°C
- Max ambient temperature: +40°C
- Max operation pressure: 16 bar
- Altitude: up to 1000 m

### Motor

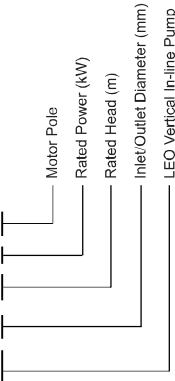
- Closed construction
- Insulation class: F
- Protection class: IP 55
- IE 2 motor as standard. IE 3 motor is available on request

### Flange

- EN 1092 and DIN 2576 standard

### Identification Codes

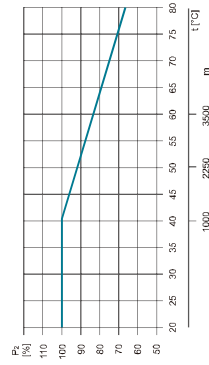
**LPP 80-36-15/2**



### Ambient Temperature

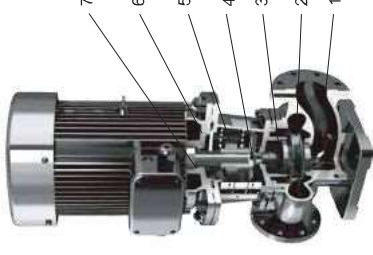
Max. Ambient temperature: +40°C. Ambient temperature above 40°C, or installation at altitude of more than 1000 m above sea level, require the use of an oversize motor. Because of low air density and poor cooling effects, the motor output power P2 will be decreased. See the picture.

For example, when the pump is installed at altitude of more than 3500 m above sea level, P2 will be decrease to 88%. When the ambient temperature is 70°C, P2 will be decreased to 78%.

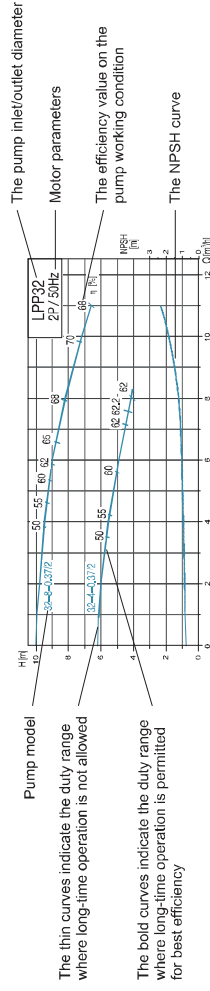


### Materials Table

No.	Part	Materials
1	Pump body	Cast iron
2	Impeller	Cast iron
3	Mechanical seal	Carbon/Silicon carbide
4	Pump shaft	Steel/AISI 304
5	Clamp ring	Steel
6	Motor base	Cast iron
7	Motor	



### How to Read The Curve Charts



### Guidelines to Performance Curves

Tolerances to ISO 9906, Annex A. Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm<sup>2</sup>/s. To avoid overheating of the motor, the pump should not be use against a high head for a long time.