

# KYP SERIES HOT OIL PUMPS

**TECHNICAL SPECIFICATIONS:**

KYP Series pumps are end suction horizontal single stage centrifugal pumps with volute casing, closed type impeller. Suction and discharge flanges are manufactured according to TS EN 1092-2. Bearing Housing : Oil lubricated ball bearing is used at coupling side and fluid lubricated carbon bearing is used at impeller side.

**FIELD OF APPLICATIONS:**

Pumping of the low viscous industrial oils,  
Pumping of hot oils,

**Pump Materials:**

- Volute, Stuffing box, Impeller, Bearing Housing : GGG-40 Ductile Iron
- Shaft: AISI420 Stainless Steel,
- Sealing: Mechanical seal which is durable to high temperature medium.

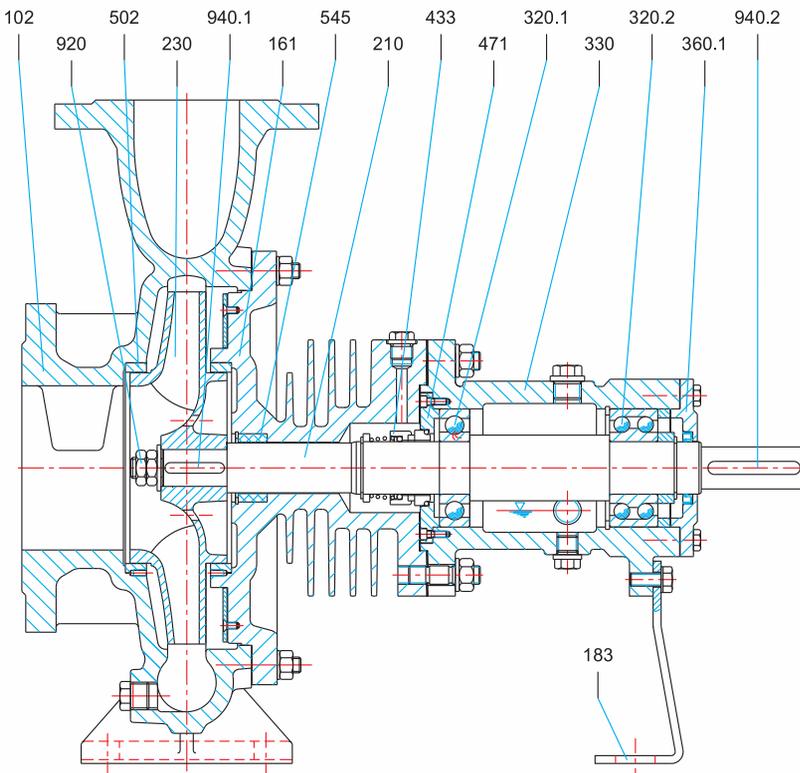
The materials of the pump parts are determined according to specification of the fluid, operating temperature and pressure.



**GENERAL INFORMATION:**

- Suction Flange Diameter : Ø50 - Ø125
- Discharge Flange Diameter : Ø32 - Ø100
- Capacity Range (Q) : 10 - 300 m<sup>3</sup>/h
- Manometric head range (Hm): 100 mws
- Speed : 1500 - 3000 rpm
- Operating Temperature : \*230 °C max.
- Casing Pressure (Pmax) : \*25 bar (40 bar)
- Cooling method : By air
- Pmax = Suction Pressure + Shut off pressure

**KYP PUMP SECTIONAL DRAWING AND PUMP PART LIST**



102- Volute	320.1- Ball bearing (33 &)	502- Wear ring
161- Stuffing box	320.2- Ball bearing (63..)	545- Carbon bearing
183 Support foot	330- Bearing Housing	920- Impeller Nut
210- Shaft	360.1 Bearing housing cover (Coupling Side)	940.1- Impeller key
230- Impeller	433- Mechanical seal	940.2- Coupling key
	471- Mechanical seal cover	

**Pressure and Temperature Limits:**

