

Performance Criteria

Model :- SR023

General Overview:

Introducing the **KPT Twin-Lobe Roots Blower** built for **Continuous Duty** operation. Compact and robust, this machine is engineered to deliver performance aligned with **BS: 1571-Part II** and **ISO1217:2009** standards.

-
- | | | |
|---|--|----------------------------------|
| 1 | Type | :- Twin Lobe Roots |
| 2 | Discharge Size | :- 80 NB |
| 3 | Bare Blower Weight | :- Approx.49 kg. |
| 4 | Design (sea level) ambient conditions | are 1013 mbar & 45°C. |
-

Performance Specifications (*As per design tolerance*):

- | | | |
|---|-----------------------------------|------------------------------|
| 1 | Discharge Capacity (FAD) | :- 80-480 m ³ /hr |
| 2 | Maximum Discharge Pressure | :- 500 Mbar |
| 3 | Maximum Operating Speed | :- 4000 |
| 4 | Drive Type | :- Belt Driven |
-

Material Specification:

- | | | |
|---|---------------------|--|
| 1 | Casing | :- The Case and Housing are made up of high quality grey cast iron. |
| 2 | Rotors | :- The Rotors and Shafts, designed with ample rigidity and strength, are cast as a single unit using high-tensile spheroidal graphite iron. |
| 3 | Bearings | :- At drive end, grease lubricated single row roller bearings are used. At gear end, oil lubricated double row angular contact ball bearings are used. |
| 4 | Shaft Sleeve | :- Shaft sleeve is of EN-8D or Equivalent Material. |
| 5 | Shaft Seal | :- Viton Oil Seal is used. |
-

Note :- Each blower undergoes individual testing, and test certificates are issued as per request. Technical specifications are subject to customization as per client requirement