

Performance Criteria

Model :- KTSR50

General Overview:

Introducing the **KPT Tri-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.

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| 1 | Type | :- Tri Lobe Roots |
| 2 | Discharge Size | :- 100 NB |
| 3 | Bare Blower Weight | :- Approx.132 kg. |
| 4 | Design (sea level) ambient conditions | are 1013 mbar & 45°C. |
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Performance Specifications (*As per design tolerance*):

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| 1 | Discharge Capacity (FAD) | :- 45-910 m ³ /hr |
| 2 | Maximum Discharge Pressure | :- 1000 Mbar |
| 3 | Maximum Operating Speed | :- 4500 |
| 4 | Drive Type | :- Belt Driven |
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Material Specification:

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| 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 | :- Mechanical Piston Ring Slinger Type Seal is used. |
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Note :- Each blower undergoes individual testing, and test certificates are issued as per request. Technical specifications are subject to customization as per client requirement