

## Performance Criteria

### Model :- GSR220

#### 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.

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|---|----------------------------------------------|-----------------------|
| 1 | <b>Type</b>                                  | :- Twin Lobe Roots    |
| 2 | <b>Discharge Size</b>                        | :- 150 NB             |
| 3 | <b>Bare Blower Weight</b>                    | :- Approx.191 kg.     |
| 4 | <b>Design (sea level) ambient conditions</b> | are 1013 mbar & 45°C. |
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#### Performance Specifications (As per design tolerance):

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|---|-----------------------------------|--------------------------------|
| 1 | <b>Discharge Capacity (FAD)</b>   | :- 850-3490 m <sup>3</sup> /hr |
| 2 | <b>Maximum Discharge Pressure</b> | :- 700 Mbar                    |
| 3 | <b>Maximum Operating Speed</b>    | :- 3000                        |
| 4 | <b>Drive Type</b>                 | :- Belt Driven                 |
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#### Material Specification:

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|---|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Casing</b>       | :- The Case and Housing are made up of high quality grey cast iron with Xylon coating.                                                                         |
| 2 | <b>Rotors</b>       | :- The Rotors and Shafts, designed with ample rigidity and strength, are cast as a single unit using high-tensile spheroidal graphite iron with Xylon coating. |
| 3 | <b>Bearings</b>     | :- 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 | <b>Shaft Sleeve</b> | :- Shaft sleeve is of EN-8D or Equivalent Material.                                                                                                            |
| 5 | <b>Shaft Seal</b>   | :- Viton Oil 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*