TDA-V Series
DIRECT DRIVE VANE AXIAL FAN
Material
Double flanged casing is produced in mild steel or galvanized steel, impeller blades are available in PPG, PAG or Aluminum material.

Finish
Painting or galvanized after manufacture is normal finish on all parts.

Operating Temperature
- General ventilation: -20 to +55°C.
- Smoke exhaust: 250°C/300°C - 1~2 hours. (TÜV SÜD certified). Higher temperature rating is available upon request.

Motors
- General ventilation: Totally Enclosed Fan Cooled (TEFC), Class “F”.
- Smoke exhaust system: Totally Enclosed Fan Cooled (TEFC) High Temperature Rated (250°C/300°C TÜV SÜD certified). IP55 protection. Standard motors up to 2.2kW are supplied with DOL starting. Motors 3.0kW and above are with star/delta starting. Motors of other specification are available upon request.
- Motor should be selected to handle air at ambient temperature based on specified air volume and static pressure. This is to allow periodic testing of the fan.

Airflow Direction
Air flow from impeller to motor is fitted as standard.

Feature
For commercial and industrial applications where large volume of air is required at moderate to high pressure. Specially designed guide vanes help to reduce turbulence and achieve high efficiency and low sound level.

Certification
Certified by TÜV SÜD which is a leading international service organization focusing on consulting, testing, certification and training.

<table>
<thead>
<tr>
<th>Class</th>
<th>Temperature (°C)</th>
<th>Minimum functioning period (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F200</td>
<td>200</td>
<td>120</td>
</tr>
<tr>
<td>F300</td>
<td>300</td>
<td>60</td>
</tr>
<tr>
<td>F400</td>
<td>400</td>
<td>120</td>
</tr>
<tr>
<td>F600</td>
<td>600</td>
<td>60</td>
</tr>
<tr>
<td>F842</td>
<td>842</td>
<td>842</td>
</tr>
<tr>
<td>Others</td>
<td>250</td>
<td>120</td>
</tr>
<tr>
<td>Others</td>
<td>300</td>
<td>120</td>
</tr>
</tbody>
</table>

Kruger Ventilation Industries Asia Co., Ltd certifies that the TDA-V series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

TDA-V series was tested in accordance with EN 12101-3:2002.
Vane Axial Fan (Direct Driven) – TDA-V Series

Nomenclature

MODEL: TDA 630-V / 12AA / 7-7 / 12 / PPG / F (300°C / 2hrs)

- Fan Design for Smoke Exhaust (Optional)
- F (XXX°C / X hrs)
- Blade Material
- PPG – Glass Reinforced Polypropylene
- PAG – Glass Reinforced Polyamide
- AL – Aluminum
- Blade angle
- Blade number
- Blade type
- Nominal Fan Diameter

Dimension

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>N</th>
<th>Ø</th>
<th>Weight* (kg)</th>
<th>Max. Motor Frame Size**</th>
</tr>
</thead>
<tbody>
<tr>
<td>560</td>
<td>560</td>
<td>605</td>
<td>660</td>
<td>500</td>
<td>12</td>
<td>10</td>
<td>33</td>
<td>D112M</td>
</tr>
<tr>
<td>630</td>
<td>630</td>
<td>675</td>
<td>730</td>
<td>500</td>
<td>12</td>
<td>10</td>
<td>35</td>
<td>D112M</td>
</tr>
<tr>
<td>710</td>
<td>710</td>
<td>755</td>
<td>810</td>
<td>500</td>
<td>12</td>
<td>18</td>
<td>65</td>
<td>D112M</td>
</tr>
<tr>
<td>800</td>
<td>800</td>
<td>845</td>
<td>900</td>
<td>560</td>
<td>18</td>
<td>12</td>
<td>71</td>
<td>D132M</td>
</tr>
<tr>
<td>900</td>
<td>900</td>
<td>945</td>
<td>1000</td>
<td>630</td>
<td>18</td>
<td>12</td>
<td>99</td>
<td>D160M</td>
</tr>
<tr>
<td>1000</td>
<td>1000</td>
<td>1050</td>
<td>1100</td>
<td>630</td>
<td>24</td>
<td>12</td>
<td>112</td>
<td>D160M</td>
</tr>
<tr>
<td>1120</td>
<td>1120</td>
<td>1185</td>
<td>1250</td>
<td>900</td>
<td>24</td>
<td>12</td>
<td>194</td>
<td>D225M</td>
</tr>
<tr>
<td>1250</td>
<td>1250</td>
<td>1315</td>
<td>1380</td>
<td>1000</td>
<td>24</td>
<td>12</td>
<td>283</td>
<td>D250M</td>
</tr>
<tr>
<td>1400</td>
<td>1400</td>
<td>1465</td>
<td>1530</td>
<td>1100</td>
<td>32</td>
<td>14</td>
<td>340</td>
<td>D250M</td>
</tr>
<tr>
<td>1600</td>
<td>1600</td>
<td>1663</td>
<td>1730</td>
<td>1250</td>
<td>32</td>
<td>14</td>
<td>491</td>
<td>D250M</td>
</tr>
<tr>
<td>1800</td>
<td>1800</td>
<td>1856</td>
<td>1930</td>
<td>1400</td>
<td>32</td>
<td>14</td>
<td>650</td>
<td>D280M</td>
</tr>
<tr>
<td>2000</td>
<td>2000</td>
<td>2073</td>
<td>2130</td>
<td>1400</td>
<td>32</td>
<td>14</td>
<td>720</td>
<td>D315M</td>
</tr>
</tbody>
</table>

*Weight without motor and impeller.

**Please consult KRUGER if motor frame size is beyond the catalogue range.

All Dimension in mm.
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 2850rpm.
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 2850rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 2850rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
"- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Total Efficiency (%)

Absorbed Power (kW)

Total Pressure (Pa)

- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 950rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 950 rpm.

42
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 950rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 3450rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

TDA 1250-V/20BJ/4-4

60Hz
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1150rpm.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
The company is always improving and developing its products, therefore the company reserves the right of making changes to the illustrated products. Certified dimension can be provided upon request.