Axial Flow Fan (Direct Driven) — TDA Series

Material
Double flanged casing is produced in mild steel or galvanized steel, impeller blades are available in PAG, PPG 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/400°C • 1~2 hours. (TÜV SÜD certified)

Motors
- General ventilation: Totally Enclosed Fan Cooled (TEFC), Class “F”.
- Smoke exhaust system: Totally Enclosed Fan Cooled High Temperature Rated (250°C/300°C/400°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.

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

Certification

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

TDA series was tested in accordance with EN 12101-3:2002.

<table>
<thead>
<tr>
<th>Class</th>
<th>Temperature (°C)</th>
<th>Minimum functioning period (minutes)</th>
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<tbody>
<tr>
<td>F200</td>
<td>200</td>
<td>120</td>
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<td>F300</td>
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<td>842</td>
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<td>Others</td>
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<td>120</td>
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<tr>
<td>Others</td>
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</tbody>
</table>

Nomenclature

MODEL: TDA 630 / 12AA / 7-7 / 12° / PPG / F (400°C / 2hrs)

- Fan Design
- L — Long Casing Normal Ventilation
- M — Medium Casing Normal Ventilation
- F (XXX°C / X hrs) — Fire Rated (Smoke Exhaust)
- Blade Material
- PPG — Glass Reinforced Polypropylene
- PAG — Glass Reinforced Polyamide
- AL — Aluminum
- Blade Angle
- Blade Number
- Blade Type
- Nominal Fan Diameter
# Axial Flow Fan (Direct Driven) — TDA Series

## Dimension

![Diagram of Axial Flow Fan]

<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>
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<tr>
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<td>L/F Design</td>
<td>M Design</td>
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<td>1400</td>
<td>770</td>
<td>32</td>
<td>380</td>
<td>D315M</td>
</tr>
</tbody>
</table>

*Weight without motor and impeller.

All Dimension in mm.

**Please consult KRUGER if motor frame size is beyond the catalogue range.
- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
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TDA1120/18Bl/4-4 50Hz

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- Please consult the nearest Kruger office for fan selection at 1730 rpm.
- Performance certified is for installation type D - ducled inlet, ducled outlet. Performance ratings do not include the effects of appurtenances (accessories).
- Please consult the nearest Kruger office for fan selection at 1750rpm.
THAILAND (Regional HQ)
KRUGER VENTILATION INDUSTRIES ASIA CO. LTD.
30/159 Moo 1, Sinsakorn Industrial Estate,
Chetsadawithi Road, Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel. +662 1054289 - Fax +662 1050373
Website: www.krugerfan.com

CHINA (BEIJING)
BEIJING KRUGER VENTILATION CO. LTD
Level 7, A Block, Rising International Building, 29 JingHai San Road, BDA,
Beijing, P.R.China 100176
Tel. +86 10-67881366 - Fax +86 10-67880566
Email: krugertj@krugertj.com

CHINA (GUANGZHOU)
GUANGZHOU KRUGER VENTILATION CO. LTD
No. 9 Huahui Road, Huashan, Huadu,
Guangzhou, P.R. China 510880
Tel. +86 20-66386485 - Fax +86 20-86186001/86186600
Email: gzkruger@krugergz.com

CHINA (SHANGHAI)
SHANGHAI KRUGER VENTILATION CO. LTD
No. 500 Yuanguo Road, Anting, Jading,
Shanghai 201814 P.R. China
Tel. +86 21-69573256 - Fax +86 21-69573296
Email: shkruger@krugerchina.com

CHINA (TIANJIN)
TIANJIN KRUGER VENTILATION CO. LTD
No.168 Anyuan Road, Jingjin Science and Technology Park
Wuqing District, Tianjin, China
Tel. +86 22-22143480/3481 - Fax +86 22-22143482
Email: krugertj@krugerchina.com

CHINA (WUHAN)
WUHAN KRUGER VENTILATION CO. LTD
No. 805, Huan AVE, Dongshu District, Wuhan, Hubei, P.R. China 430000
Tel. +86 27- 83248843/83060522/83097505
Fax +86 27- 83260286
Email: whkruger@krugervw.com

HONG KONG
KRUGER VENTILATION (HONG KONG) LIMITED
Flat C, 9/F, Yeung Yuu Chuang (No.6) Industrial Building,
20 Wang Ho Road, Kowloon Bay, Kowloon, Hong Kong
Tel. +852 22469182 - Fax +852 22469187
Email: info@kruger.com.hk

INDIA (NORTH)
NEOMATE CO. LTD
2-1010, Aoe High Tech City B/D, 775 Gyeongin-ro,
Yeongdeungpo-gu, Seoul, Korea.
Postal Code 07299
Tel. +82-2-2679-2052 - Fax. +82-2-2679-2174
Email: y7890@neomate.co.kr

MYANMAR
KRUGER VENTILATION (MYANMAR) CO.LTD
Room No. F21, Thiri Yadanar Whole Sale Market, (Htawunbe)
Toe Chae Ward, North Okkalapa Township, Yangon.
Tel. +959 763141081/2/3
Email: htoon@krugermyanmar.com

SINGAPORE
KRUGER ENGINEERING PTE LTD
No. 10 Buroh Street #06-06, West Connect Building,
Singapore 627564
Tel. +65 68631110 - Fax +65 68631151
Email: mktg@krugerasia.com

THAILAND
KRUGER VENTILATION IND. (THAILAND) CO. LTD
30/105 Moo 1, Sinsakorn Industrial Estate,
Chetsadawithi Road, Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel. +662 1050399 - Fax +662 1050370
Email: mktg@krugervw.com

AUSTRALIA
S&P-KRUGER AUSTRALIA PTY LTD
2 Cunningham St, Moorebank N.S.W. 2170
Tel. +61 2-98227747
Fax. +61 2-98227757
Email: info@sandpkruger.com.au

CHINA (GUANGZHOU)
GUANGZHOU KRUGER VENTILATION CO. LTD
No. 9 Huahui Road, Huashan, Huadu,
Guangzhou, P.R. China 510880
Tel. +86 20-66356635 - Fax +86 20-86786001/86786500
Email: gzkruger@krugergz.com

CHINA (SHANGHAI)
SHANGHAI KRUGER VENTILATION CO. LTD
No. 500 Yuanguo Road, Anting, Jading,
Shanghai 201814 P.R. China
Tel. +86 21-69573256 - Fax +86 21-69573296
Email: shkruger@krugerchina.com

CHINA (TIANJIN)
TIANJIN KRUGER VENTILATION CO. LTD
No.168 Anyuan Road, Jingjin Science and Technology Park
Wuqing District, Tianjin, China
Tel. +86 22-22143480/3481 - Fax +86 22-22143482
Email: krugertj@krugerchina.com

CHINA (WUHAN)
WUHAN KRUGER VENTILATION CO. LTD
No. 805, Huan AVE, Dongshu District, Wuhan, Hubei, P.R. China 430000
Tel. +86 27- 83248843/83060522/83097505
Fax +86 27- 83260286
Email: whkruger@krugervw.com

HONG KONG
KRUGER VENTILATION (HONG KONG) LIMITED
Flat C, 9/F, Yeung Yuu Chuang (No.6) Industrial Building,
20 Wang Ho Road, Kowloon Bay, Kowloon, Hong Kong
Tel. +852 22469182 - Fax +852 22469187
Email: info@kruger.com.hk

INDIA (NORTH)
NEOMATE CO. LTD
2-1010, Aoe High Tech City B/D, 775 Gyeongin-ro,
Yeongdeungpo-gu, Seoul, Korea.
Postal Code 07299
Tel. +82-2-2679-2052 - Fax. +82-2-2679-2174
Email: y7890@neomate.co.kr

MYANMAR
KRUGER VENTILATION (MYANMAR) CO.LTD
Room No. F21, Thiri Yadanar Whole Sale Market, (Htawunbe)
Toe Chae Ward, North Okkalapa Township, Yangon.
Tel. +959 763141081/2/3
Email: htoon@krugermyanmar.com

SINGAPORE
KRUGER ENGINEERING PTE LTD
No. 10 Buroh Street #06-06, West Connect Building,
Singapore 627564
Tel. +65 68631110 - Fax +65 68631151
Email: mktg@krugerasia.com

THAILAND
KRUGER VENTILATION IND. (THAILAND) CO. LTD
30/105 Moo 1, Sinsakorn Industrial Estate,
Chetsadawithi Road, Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel. +662 1050399 - Fax +662 1050370
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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.