Adjustable Pitch Angle Axial Fan
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Standard Features

Aerofit impeller featured with adjustable pitch angle
Precision die cast Aluminium hub and blades
Optional short and long casing model with hot dip galvanized steel to ISO 1461 & BS 729
High strength and rigidity spun flanges design
Terminal box in IP 55 mounted externally on casing for easy wiring termination
Equipped with single or three-phase motor in IP 55 and class F insulation
Suitable for operating temperature up to 55 degree C

Smoke Spill Application
(on request)

The GTG TFA Series can be used for smoke spill applications. The fan with class H insulation is capable of withstanding up to 250°C for 2 hours in accordance to BS7346 : Part 2, which was tested by Exova Warringtonfire Aus Pty Ltd.
Adjustable Pitch Axial Fans

GTG fully adjustable pitch fans are available in a full range of metric sizes from 315mm diameter up to 1600mm diameter and capable of delivering air quantities up to 70m³/s. Fan diameters beyond 1600mm are available on request only.

The wide range of diameters, blade configurations, pitch angles and motor speeds, allow accurate selection of the fan to match the specific duty.

Pitch angle adjustment can be readily carried out on site allowing the fan performance to be modified to the final system resistance.

Whilst the standard range of axial fans cover most applications, purpose designed casings and mountings are available. Casings are manufactured from mild steel and hot dipped galvanized (as standard) or epoxy powder coated (on request) after manufacture. Flanges are where possible integrally rolled from the casing material for greater strength and stability.

MODEL RANGE

- TFA - Tube Axial

- TFA-Q Series - Plate Axial

Standard Product
SPECIFICATION

Casings shall be of mild steel, galvanised sheet, hot dipped galvanised or epoxy powder coated after manufacture. Impellers are manufactured from high pressure die cast aluminums, with blades matched and balanced for vibration free operation.

CONSTRUCTION

- Casing of mild steel hot dipped galvanised, galvanised sheet or epoxy powder coated after manufacture for corrosion protection.

- Flanges are rolled from the casing material or rolled from flat bar and welded to the case, prior to galvanising.

- Motor brackets or pedestals are available either bolted or welded to the casing, subject to motor size.
Adjustable Pitch Axial Fans

IMPELLER

- Pitch adjustment is infinitely variable over a wide range typically 10° to 40°
- Standard blade construction is high pressure die cast aluminum alloy, x-raying to ensure flawless structure is optional.
- Blades are friction mounted within the hub and secured with high tensile zinc plated bolts and self locking nuts.
- The hubs are fixed with taper-lock bush to suit each motor shaft.
- Impellers are available with 4 to 14 blades dependent upon application.
- Blades are matched and balanced for vibration free operation.
- Maximum continuous operating temperature. (With no radiant heat)
- Smoke Spill – Only aluminum impellers are suitable for smoke spill application.

MOTORS

Motors are typically foot mounted air stream rated, squirrel cage induction type, T.E. 3 phases 415v, 50Hz. Motors are normally supplied for the temperature range of -35°C to +40°C and normally wound to class F Insulation and IP55 protection for standard operation, however, options are available for a varying range of applications including :

- Single phase
- Explosion proof
- High temperature
- Smoke spill
- Special voltage
- Special frequency
- Speed control
- 2 speed
- Thermal Overload protection
- Special insulation

APPLICATION

- General air movement
- Supply and Exhaust
- Smoke Spill & Fire Service
- Dust extraction
OPTIONS

- Inlet and discharge cones
- Inlet and discharge guards
- Flexible Connections
- Matching flanges
- Mounting feet
- Vibration isolation mounts
- Access panels
- External Terminal Box
  (not available for hazardous zone application)
- Sound attenuators

PERFORMANCE DATA

Performance data is for model "TFA" tube axial products, type "D" installation – ducted inlet, ducted outlet.

PRODUCT IDENTIFICATION

TFA 630/150/10/25
A       - Model Tube Axial
630     - Case Diameter
150     - Hub Diameter
10      - No. of Blades
25      - Blade angle

AIR FLOW DESIGNATION

From "A" is standard Air Flow.
If from "A" is required please nominate at time of order.

REVERSE ROTATION

Rotating the impeller in reverse will result in the direction of the air being reversed, reduction in volume approx. 35%, reduction in pressure approx. 55% and reduction of power approx. 25%. The performance of reverse rotation are not licensed by AMCA International.

TRULY REVERSIBLE

Where applications require equal air flow quantity in both directions installation of alternate blades of 180° will result in a reduction of air quantity of approx 15%. The performance of truly reversible are not licensed by AMCA International.
Guide To Fan Selection

This catalogue tabulates the performance of GTG™ products in accordance with the limitations nominated. It is assumed that the user is familiar with and competent to use the information provided. If in doubt, your local GTG™ office will be pleased to assist.

Established the required air quantity in m³/h and system static resistance in Pa.

INDIVIDUAL FAN CURVE
Plot the duty point on the individual fan curves to select:
- Fan diameter
- Number of blades
- Power consumption (kW)
- Fan speed
- Pitch angle
- Sound pressure at 3m (dBA)

EXAMPLE

(A) Duty Air Quantity 9,300 m³/h
(B) Duty Static Resistance 200Pa
(C) Fan Pitch Angle 20°
(D) Fan speed 2850 rpm (2 Pole)
(E) Absorbed Power 1.72 kW
(F) Motor Selected 2.2 kW
(G) Fan Diameter 630mm, Hub Diameter 150mm
(H) Fan solidity 5 blades
- Fan selected: TFA Series 630/150/5/20°
(I) Sound Pressure at 3m = \( l_1 + l_2 = 101 + (-20) = 81 \text{ dBA} \) where \( l_1 \) is the sound pressure value on curve whichever higher than selection point
Adjustable Pitch Angle Axial Fan

SERIES TFA 315-5
Impeller Code: 315/150
Size: 315mm

50Hz

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

Impeller Code : 315/150
Size : 315mm

50Hz

**SERIES TFA 315-10**

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

- Lp(A) - dBA levels are not licensed by AMCA international.

---

**Table: Peak Absorbed Power (kW) & Static Pressure [Pa]**

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>Blade Pitch Angle</th>
<th>Lw(A) in dBA</th>
<th>Lp(A) at 3m</th>
</tr>
</thead>
<tbody>
<tr>
<td>960</td>
<td>10° - 40°</td>
<td>-28</td>
<td>-48</td>
</tr>
<tr>
<td>1440</td>
<td>10° - 40°</td>
<td>-18</td>
<td>-38</td>
</tr>
<tr>
<td>2850</td>
<td>10° - 40°</td>
<td>0</td>
<td>-20</td>
</tr>
</tbody>
</table>

---

**Graphs:**

1. Absorbed Power [kW] vs. Blade Pitch Angle
3. Air Volume [m³/h] vs. Speed [rpm]

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**Notes:**

- Adjusted Pitch Angle Axial Fan
- Absorbed Power
- Static Pressure
- Lw(A) in dBA
- Lp(A) at 3m

---

**Images:**

1. Performance certified for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
2. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
3. Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

SERIES TFA 400-5
Impeller Code : 400/150
Size : 400mm

50Hz

• Performance certified is for installation type D—Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

• The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

• Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

**SERIES TFA 400-10**

- **Impeller Code**: 400/150
- **Size**: 400mm

**50Hz**

### Performance Data

- **Adjustable Pitch Angle Axial Fan**

### Impeller Code: 400/150

- **Size**: 400mm

#### SERIES TFA 400-10

- **Motor Speeds**:
  - 2 Pole: 2850 rpm
  - 4 Pole: 1440 rpm
  - 6 Pole: 930 rpm

#### Fan Characteristics

- **N (rpm)**: 960, 1440, 2850
- **Blade Pitch Angle**: 10°, 12°, 14°, ..., 40°
- **Lw(A) in dBA**
- **Lp(A) at 3m**
- **Air Volume [m³/h]**

**Adjustable Pitch Angle Axial Fan**

- **Impeller Code**: 400/150
- **Size**: 400mm

#### Performance Details

- **Peak Absorbed Power [kW]**
- **Static Pressure [Pa]**

#### Additional Information

- **Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).**
- **The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.**
- **Lp(A) - dBA levels are not licensed by AMCA international**

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**ADJUSTABLE PITCH AXIAL FANS | 10**
**Adjustable Pitch Angle Axial Fan**

**FEG 56**

**SERIES TFA 500-5**
- Impeller Code: 500/150
- Size: 500mm
- Speed: 50Hz

### Absorbed Power [kW]

| Blade Pitch Angle | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28°  | 30°  | 32°  | 34°  | 36°  | 38°  | 40°  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|      |
| 960 motor         | 0.035| 0.044| 0.041| 0.054| 0.060| 0.066| 0.073| 0.081| 0.089| 0.096| 0.104| 0.113| 0.122| 0.131| 0.140| 0.150|      |
| 1440 motor        | 0.119| 0.140| 0.160| 0.181| 0.201| 0.222| 0.248| 0.274| 0.299| 0.325| 0.351| 0.381| 0.411| 0.442| 0.474| 0.506|      |
| 2850 motor        | 0.92 | 1.08 | 1.24 | 1.40 | 1.56 | 1.72 | 1.92 | 2.12 | 2.32 | 2.52 | 2.72 | 2.95 | 3.19 | 3.43 | 3.68 | 3.92 |      |

### Static Pressure [Pa]

### Lw(A) in dBA

- Performance certified is for installation type D: Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

**FEG 53**

- **Performance certified** is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

SERIES TFA 560-5
Impeller Code : 560/150
Size : 560mm

FEG 60

50Hz

Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>Speed [rpm]</th>
<th>2 Pole</th>
<th>4 Pole</th>
<th>6 Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>1440</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2850</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Pressure [Pa]

<table>
<thead>
<tr>
<th>Lw(A) in dBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°</td>
</tr>
<tr>
<td>34°</td>
</tr>
</tbody>
</table>

Absorbed Power [kW]

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>960</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1440</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>2850</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

• Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

• The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

• Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 56

50Hz

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

**SERIES TFA 560-6**

**Impeller Code**: 560/200

**Size**: 560mm

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### FEG 53

<table>
<thead>
<tr>
<th>Speed [rpm]</th>
<th>Static Pressure [Pa]</th>
<th>Absorbed Power [kW]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1440</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1440</td>
<td>2 Pole</td>
<td>0.23</td>
</tr>
<tr>
<td>2850</td>
<td>4 Pole</td>
<td>0.33</td>
</tr>
</tbody>
</table>

**Impeller Code**: 560/200

**Size**: 560mm

---

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

SERIES TFA 560-9

Impeller Code: 560/200
Size: 560mm

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**FEG 63**

**50Hz**

- **Absorbed Power [kW]**
  - 10°: 0.137
  - 12°: 0.143
  - 14°: 0.160
  - 16°: 0.177
  - 18°: 0.195
  - 20°: 0.213
  - 22°: 0.23
  - 24°: 0.25
  - 26°: 0.27
  - 28°: 0.29
  - 30°: 0.31
  - 32°: 0.34
  - 34°: 0.37
  - 36°: 0.40
  - 38°: 0.43
  - 40°: 0.46

- **Motor**: 1440 rpm
  - 1440 rpm:
    - 10°: 0.46
    - 12°: 0.48
    - 14°: 0.55
    - 16°: 0.60
    - 18°: 0.66
    - 20°: 0.72
    - 22°: 0.78
    - 24°: 0.85
    - 26°: 0.91
    - 28°: 1.04
    - 30°: 1.14
    - 32°: 1.24
    - 34°: 1.35
    - 36°: 1.46
    - 38°: 1.57
    - 40°: 1.72

- **Motor**: 2850 rpm
  - 2850 rpm:
    - 10°: 3.58
    - 12°: 3.74
    - 14°: 4.18
    - 16°: 4.64
    - 18°: 5.11
    - 20°: 5.58
    - 22°: 6.07
    - 24°: 6.57
    - 26°: 7.07
    - 28°: 7.5
    - 30°: 8.07
    - 32°: 8.84
    - 34°: 9.63
    - 36°: 10.47
    - 38°: 11.31
    - 40°: 12.15

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- **Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).**

- **The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.**

- **Lp(A) - dBA levels are not licensed by AMCA international**
**Adjustable Pitch Angle Axial Fan**

**FEG 67**  

**SERIES TFA 630-5**  

Impeller Code: 630/150  
Size: 630mm  

**50Hz**

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- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 60

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

**SERIES TFA 630-6**
- **Impeller Code**: 630/200
- **Size**: 630mm

**FEG 63**

### Performance
- **50Hz**

#### Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>960</td>
<td>0.110</td>
<td>0.140</td>
<td>0.170</td>
<td>0.202</td>
<td>0.233</td>
<td>0.265</td>
<td>0.30</td>
<td>0.33</td>
<td>0.36</td>
<td>0.39</td>
<td>0.42</td>
<td>0.46</td>
<td>0.51</td>
<td>0.55</td>
<td>0.60</td>
<td>0.65</td>
</tr>
<tr>
<td>1440</td>
<td>0.37</td>
<td>0.47</td>
<td>0.57</td>
<td>0.68</td>
<td>0.79</td>
<td>0.90</td>
<td>1.11</td>
<td>1.21</td>
<td>1.32</td>
<td>1.43</td>
<td>1.57</td>
<td>1.71</td>
<td>1.86</td>
<td>2.03</td>
<td>2.21</td>
<td>2.21</td>
</tr>
</tbody>
</table>

### Lw(A) in dBA

#### Static Pressure [Pa]

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

### Absorbed Power [kW]

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

### Air Volume [m³/h]

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

### Lp(A) at 3m

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

- 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000

### Notes:
- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.

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**ADJUSTABLE PITCH AXIAL FANS**
## Adjustable Pitch Angle Axial Fan

**SERIES TFA 630-9**

- **Impeller Code**: 630/200
- **Size**: 630mm

### FEG 63

**50Hz**

### Performance Characteristics

#### Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
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<tr>
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#### Blade Pitch Angle

- **Adjustable Pitch Angle Axial Fan**

#### Static Pressure [Pa]

- **2 Pole**
- **4 Pole**

#### Air Volume [m³/h]

- **50Hz**

### Additional Notes

- 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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- Lp(A)- dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

FEG 67

50Hz

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Adjustable Pitch Angle Axial Fan

FEG 71

50Hz

• 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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• Lp(A) - dBA levels are not licensed by AMCA international

<table>
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<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
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<td>2.62</td>
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Air Volume [m³/h]

Peak Absorbed Power (kW)

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<th>12°</th>
<th>14°</th>
<th>16°</th>
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<td>2.42</td>
<td>2.62</td>
<td>2.83</td>
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• • •
Adjustable Pitch Angle Axial Fan

**SERIES TFA 710-6**

**Impeller Code:** 710/200

**Size:** 710mm

---

**FEG 63**

50Hz

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**Peak Absorbed Power (kW)**

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<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
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</thead>
<tbody>
<tr>
<td>720 motor</td>
<td>0.076</td>
<td>0.093</td>
<td>0.112</td>
<td>0.130</td>
<td>0.149</td>
<td>0.167</td>
<td>0.186</td>
<td>0.204</td>
<td>0.223</td>
<td>0.241</td>
<td>0.260</td>
<td>0.278</td>
<td>0.335</td>
<td>0.377</td>
<td>0.420</td>
<td>0.463</td>
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<tr>
<td>960 motor</td>
<td>0.181</td>
<td>0.220</td>
<td>0.264</td>
<td>0.308</td>
<td>0.352</td>
<td>0.396</td>
<td>0.440</td>
<td>0.484</td>
<td>0.528</td>
<td>0.572</td>
<td>0.616</td>
<td>0.703</td>
<td>0.793</td>
<td>0.892</td>
<td>0.994</td>
<td>1.096</td>
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<td>1440 motor</td>
<td>0.61</td>
<td>0.74</td>
<td>0.89</td>
<td>1.04</td>
<td>1.19</td>
<td>1.34</td>
<td>1.49</td>
<td>1.63</td>
<td>1.78</td>
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<td>2.68</td>
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<td>3.36</td>
<td>3.70</td>
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**Air Volume [m³/h]**

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<td>0.89</td>
<td>1.04</td>
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<td>1.34</td>
<td>1.49</td>
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<td>1.78</td>
<td>1.93</td>
<td>2.08</td>
<td>2.37</td>
<td>2.68</td>
<td>3.01</td>
<td>3.36</td>
<td>3.70</td>
</tr>
</tbody>
</table>

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- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 63

Peak Absorbed Power (kW)

| N (rpm) | 10° 12° 14° 16° 18° 20° 22° 24° 26° 28° 30° 32° 34° 36° 38° 40° |
|---------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 720 motor | 0.157 | 0.172 | 0.181 | 0.190 | 0.202 | 0.223 | 0.253 | 0.279 | 0.304 | 0.330 | 0.356 | 0.385 | 0.403 | 0.434 | 0.453 |
| 960 motor | 0.254 | 0.305 | 0.359 | 0.419 | 0.479 | 0.540 | 0.601 | 0.661 | 0.721 | 0.782 | 0.842 | 0.904 | 0.965 | 1.028 | 1.090 |
| 1440 motor | 0.86 | 1.03 | 1.21 | 1.41 | 1.62 | 1.82 | 2.03 | 2.23 | 2.44 | 2.64 | 2.84 | 3.03 | 3.22 | 3.43 | 3.63 |

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ADJUSTABLE PITCH AXIAL FANS | 24
Adjustable Pitch Angle Axial Fan

FEG 67

Absorbed Power [kW]

Static Pressure [Pa]

Lw(A) in dBA

Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
<th>Lw(A) in dBA</th>
<th>Lp(A) at 3m</th>
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<tbody>
<tr>
<td>960 motor</td>
<td>0.25</td>
<td>0.30</td>
<td>0.35</td>
<td>0.40</td>
<td>0.45</td>
<td>0.50</td>
<td>0.55</td>
<td>0.61</td>
<td>0.67</td>
<td>0.73</td>
<td>0.80</td>
<td>0.88</td>
<td>0.96</td>
<td>1.04</td>
<td>1.12</td>
<td>1.20</td>
<td>-10</td>
<td>-30</td>
</tr>
<tr>
<td>1440 motor</td>
<td>0.85</td>
<td>1.01</td>
<td>1.18</td>
<td>1.34</td>
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<td>3.51</td>
<td>3.78</td>
<td>4.05</td>
<td>0</td>
<td>-20</td>
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</table>

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Adjustable Pitch Angle Axial Fan

FEG 63

50Hz

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Adjustable Pitch Angle Axial Fan

**FEG 60**

**SERIES TFA 800-5**
- **Impeller Code**: 800/300
- **Size**: 800mm

### Peak Absorbed Power (kW)

<table>
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<tr>
<th>Blade Pitch Angle</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
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<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
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<tbody>
<tr>
<td>720 motor</td>
<td>0.18</td>
<td>0.20</td>
<td>0.23</td>
<td>0.30</td>
<td>0.35</td>
<td>0.40</td>
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<td>1.77</td>
<td>1.92</td>
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### Static Pressure [Pa]

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<tr>
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<tr>
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### Lw(A) in dBA

<table>
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<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
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<th>34°</th>
<th>36°</th>
<th>38°</th>
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<tbody>
<tr>
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### Adjustable Pitch Angle Axial Fan

**FEG 56**

**50Hz**

<table>
<thead>
<tr>
<th>Peak Absorbed Power (kW)</th>
<th>Blade Pitch Angle</th>
<th>Lw(A) in dBA</th>
<th>Lp(A) at 3m</th>
</tr>
</thead>
<tbody>
<tr>
<td>N (rpm)</td>
<td>10°   12°  14°  16°  18°  20°  22°  24°  26°  28°  30°  32°  34°  36°  38°  40°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720 motor</td>
<td>-     -     0.42 0.46 0.52 0.58 0.65 0.72 0.79 0.86 0.94 1.02 1.12 1.21 1.30</td>
<td>-17</td>
<td>-37</td>
</tr>
<tr>
<td>960 motor</td>
<td>-     -     1.00 1.08 1.23 1.39 1.55 1.70 1.87 2.03 2.23 2.43 2.64 2.86 3.08</td>
<td>-11</td>
<td>-31</td>
</tr>
<tr>
<td>1440 motor</td>
<td>-     -     3.37 3.65 4.17 4.69 5.22 5.75 6.30 6.86 7.51 8.20 8.93 9.66 10.39</td>
<td>0</td>
<td>-20</td>
</tr>
</tbody>
</table>

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.
**Adjustable Pitch Angle Axial Fan**

**SERIES TFA 900-7**

**Impeller Code:** 900/250  
**Size:** 900mm  

**FEG 67**

**50Hz**

---

### Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>720</td>
<td>1.13</td>
<td>1.36</td>
<td>1.59</td>
<td>1.63</td>
<td>2.06</td>
<td>2.30</td>
<td>2.63</td>
<td>2.95</td>
<td>3.28</td>
<td>3.61</td>
<td>3.93</td>
<td>4.35</td>
<td>4.79</td>
<td>5.24</td>
<td>5.68</td>
<td>6.12</td>
</tr>
<tr>
<td>960</td>
<td>1.13</td>
<td>1.36</td>
<td>1.59</td>
<td>1.63</td>
<td>2.06</td>
<td>2.30</td>
<td>2.63</td>
<td>2.95</td>
<td>3.28</td>
<td>3.61</td>
<td>3.93</td>
<td>4.35</td>
<td>4.79</td>
<td>5.24</td>
<td>5.68</td>
<td>6.12</td>
</tr>
<tr>
<td>1440</td>
<td>1.13</td>
<td>1.36</td>
<td>1.59</td>
<td>1.63</td>
<td>2.06</td>
<td>2.30</td>
<td>2.63</td>
<td>2.95</td>
<td>3.28</td>
<td>3.61</td>
<td>3.93</td>
<td>4.35</td>
<td>4.79</td>
<td>5.24</td>
<td>5.68</td>
<td>6.12</td>
</tr>
</tbody>
</table>

---

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
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• Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 60

50Hz

Peak Absorbed Power (kW)

Absorbed Power [kW]

Motor 2.2

960

0.75

1160

0.55

1440

0.37

0.26

Lw(A) in dBA

N (rpm)

0

40

80

120

160

200

240

280

320

360

400

4 Pole

6 Pole

Impeller Code : 900/300
Size : 900mm

SERIES TFA 900-5

Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

Lp(A) - dBA levels are not licensed by AMCA international.
## Adjustable Pitch Angle Axial Fan

### FEG 56

**Impeller Code**: 900/300  
**Size**: 900mm

![Graphs and plots showing performance data for FEG 56](image)

### Table: Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050</td>
<td>0.71</td>
<td>0.78</td>
<td>0.87</td>
<td>0.99</td>
<td>1.10</td>
<td>1.22</td>
<td>1.33</td>
<td>1.45</td>
<td>1.56</td>
<td>1.67</td>
<td>1.78</td>
<td>1.90</td>
<td>2.02</td>
<td>2.14</td>
<td>2.26</td>
<td>2.38</td>
</tr>
<tr>
<td>960</td>
<td>0.75</td>
<td>1.10</td>
<td>1.51</td>
<td>1.82</td>
<td>2.13</td>
<td>2.44</td>
<td>2.75</td>
<td>3.06</td>
<td>3.37</td>
<td>3.68</td>
<td>3.99</td>
<td>4.30</td>
<td>4.61</td>
<td>4.92</td>
<td>5.23</td>
<td>5.54</td>
</tr>
<tr>
<td>720</td>
<td>1.67</td>
<td>1.84</td>
<td>2.02</td>
<td>2.20</td>
<td>2.38</td>
<td>2.56</td>
<td>2.74</td>
<td>2.92</td>
<td>3.10</td>
<td>3.28</td>
<td>3.46</td>
<td>3.64</td>
<td>3.82</td>
<td>4.01</td>
<td>4.19</td>
<td>4.37</td>
</tr>
<tr>
<td>1440</td>
<td>10.66</td>
<td>9.90</td>
<td>9.13</td>
<td>8.36</td>
<td>7.59</td>
<td>6.82</td>
<td>6.05</td>
<td>5.28</td>
<td>4.51</td>
<td>3.74</td>
<td>2.97</td>
<td>2.20</td>
<td>1.43</td>
<td>0.66</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### Notes:

- 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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- Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

FEG 71

50Hz

Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>720 motor</td>
<td>0.20</td>
<td>0.24</td>
<td>0.28</td>
<td>0.32</td>
<td>0.37</td>
<td>0.41</td>
<td>0.47</td>
<td>0.53</td>
<td>0.59</td>
<td>0.65</td>
<td>0.72</td>
<td>0.80</td>
<td>0.88</td>
<td>0.97</td>
<td>1.06</td>
<td>1.15</td>
</tr>
<tr>
<td>960 motor</td>
<td>0.48</td>
<td>0.56</td>
<td>0.66</td>
<td>0.76</td>
<td>0.87</td>
<td>0.97</td>
<td>1.11</td>
<td>1.26</td>
<td>1.40</td>
<td>1.55</td>
<td>1.70</td>
<td>1.90</td>
<td>2.10</td>
<td>2.30</td>
<td>2.52</td>
<td>2.74</td>
</tr>
<tr>
<td>1440 motor</td>
<td>1.83</td>
<td>1.90</td>
<td>2.23</td>
<td>2.57</td>
<td>2.93</td>
<td>3.29</td>
<td>3.74</td>
<td>4.24</td>
<td>4.74</td>
<td>5.24</td>
<td>5.74</td>
<td>6.41</td>
<td>7.08</td>
<td>7.77</td>
<td>8.50</td>
<td>9.24</td>
</tr>
</tbody>
</table>

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- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 67

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 67

Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>720 motor</td>
<td>0.31</td>
<td>0.41</td>
<td>0.50</td>
<td>0.60</td>
<td>0.70</td>
<td>0.80</td>
<td>0.89</td>
<td>0.99</td>
<td>1.09</td>
<td>1.19</td>
<td>1.28</td>
<td>1.38</td>
<td>1.43</td>
<td>1.53</td>
<td>1.62</td>
<td>1.73</td>
</tr>
<tr>
<td>960 motor</td>
<td>0.73</td>
<td>0.96</td>
<td>1.19</td>
<td>1.42</td>
<td>1.65</td>
<td>1.89</td>
<td>2.12</td>
<td>2.35</td>
<td>2.58</td>
<td>2.81</td>
<td>3.04</td>
<td>3.38</td>
<td>3.74</td>
<td>4.10</td>
<td>4.46</td>
<td>4.82</td>
</tr>
<tr>
<td>1440 motor</td>
<td>2.47</td>
<td>3.26</td>
<td>4.03</td>
<td>4.91</td>
<td>5.99</td>
<td>7.93</td>
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<td>10.27</td>
<td>11.40</td>
<td>12.62</td>
<td>13.83</td>
<td>15.05</td>
<td>16.26</td>
<td>0.55</td>
<td>1.1</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Static Pressure [Pa]

Lw(A) in dBA

Speed [rpm]

<table>
<thead>
<tr>
<th>Speed</th>
<th>4 Pole</th>
<th>6 Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td>8 Pole</td>
<td></td>
</tr>
</tbody>
</table>

Air Volume [m³/h]

FEG 67

- 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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- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

FEG 60

50Hz

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- Lp(A) - dBA levels are not licensed by AMCA international
• 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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### Adjustable Pitch Angle Axial Fan

#### FEG 63

**Series**: TFA 1000-12

**Impeller Code**: 1000/350

**Size**: 1000mm

**50Hz**

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>720 motor</td>
<td>0.62</td>
<td>0.76</td>
<td>0.90</td>
<td>1.04</td>
<td>1.17</td>
<td>1.31</td>
<td>1.45</td>
<td>1.59</td>
<td>1.72</td>
<td>1.87</td>
<td>2.01</td>
<td>2.12</td>
<td>2.32</td>
<td>2.32</td>
<td>3.53</td>
<td></td>
</tr>
<tr>
<td>960 motor</td>
<td>1.18</td>
<td>1.27</td>
<td>2.13</td>
<td>2.46</td>
<td>2.78</td>
<td>3.11</td>
<td>3.43</td>
<td>3.76</td>
<td>4.09</td>
<td>4.43</td>
<td>4.77</td>
<td>5.10</td>
<td>5.43</td>
<td>5.43</td>
<td>6.92</td>
<td>7.64</td>
</tr>
<tr>
<td>1440 motor</td>
<td>4.99</td>
<td>6.09</td>
<td>7.19</td>
<td>8.29</td>
<td>9.39</td>
<td>10.5</td>
<td>11.6</td>
<td>12.7</td>
<td>13.8</td>
<td>14.9</td>
<td>16.1</td>
<td>18.5</td>
<td>20.9</td>
<td>23.4</td>
<td>25.8</td>
<td>28.2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lw(A) in dBA</th>
<th>Lp(A) at 3m</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>-17</td>
</tr>
<tr>
<td>21</td>
<td>-21</td>
</tr>
<tr>
<td>44</td>
<td>3</td>
</tr>
<tr>
<td>54</td>
<td>7</td>
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<tr>
<td>63</td>
<td>11</td>
</tr>
<tr>
<td>70</td>
<td>15</td>
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<td>80</td>
<td>18</td>
</tr>
<tr>
<td>90</td>
<td>22</td>
</tr>
<tr>
<td>100</td>
<td>25</td>
</tr>
<tr>
<td>110</td>
<td>30</td>
</tr>
</tbody>
</table>

**Absorbed Power [kW]**

**Static Pressure [Pa]**

**Lw(A) in dBA**

**Speed [rpm]**

**Air Volume [m³/h]**

---

**ADJUSTABLE PITCH AXIAL FANS | 38**
### Adjustable Pitch Angle Axial Fan

**FEG 71**

**SERIES TFA 1120-5**
- Impeller Code: 1120/300
- Size: 1120mm
- Frequency: 50Hz

**Peak Absorbed Power (kW):**

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
<th>28°</th>
<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
<tr>
<td>720 motor</td>
<td>0.62</td>
<td>0.68</td>
<td>0.75</td>
<td>0.91</td>
<td>0.98</td>
<td>1.5</td>
<td>2.14</td>
<td>2.36</td>
<td>2.58</td>
<td>2.81</td>
<td>3.03</td>
<td>3.28</td>
<td>3.54</td>
<td>3.79</td>
<td>4.05</td>
<td></td>
</tr>
<tr>
<td>960 motor</td>
<td>1.47</td>
<td>1.58</td>
<td>1.7</td>
<td>1.91</td>
<td>2.14</td>
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<td>2.58</td>
<td>2.81</td>
<td>3.03</td>
<td>3.28</td>
<td>3.54</td>
<td>3.79</td>
<td>4.05</td>
<td>4.32</td>
<td>4.61</td>
<td></td>
</tr>
<tr>
<td>1440 motor</td>
<td>4.96</td>
<td>5.64</td>
<td>6.54</td>
<td>7.61</td>
<td>8.78</td>
<td>10.1</td>
<td>11.72</td>
<td>13.51</td>
<td>15.30</td>
<td>17.09</td>
<td>18.88</td>
<td>20.67</td>
<td>22.46</td>
<td>24.26</td>
<td>26.21</td>
<td>28.28</td>
</tr>
</tbody>
</table>

**Air Volume [m³/h]:**

<table>
<thead>
<tr>
<th>Speed [rpm]</th>
<th>10000</th>
<th>15000</th>
<th>20000</th>
<th>25000</th>
<th>30000</th>
<th>35000</th>
<th>40000</th>
</tr>
</thead>
<tbody>
<tr>
<td>720 motor</td>
<td>0.62</td>
<td>0.82</td>
<td>1.03</td>
<td>1.19</td>
<td>1.46</td>
<td>1.69</td>
<td>1.91</td>
</tr>
<tr>
<td>960 motor</td>
<td>1.47</td>
<td>1.94</td>
<td>2.44</td>
<td>3.01</td>
<td>3.47</td>
<td>4.00</td>
<td>4.53</td>
</tr>
<tr>
<td>1440 motor</td>
<td>4.96</td>
<td>6.54</td>
<td>8.24</td>
<td>9.48</td>
<td>11.72</td>
<td>13.51</td>
<td>15.30</td>
</tr>
</tbody>
</table>

**Lp(A) in dBA:**

| Lp(A) at 3m | -17 | -10 | 0 |

- Performance certified is for installation type D—Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

FEG 60

50Hz

Peak Absorbed Power (kW)

<table>
<thead>
<tr>
<th>N (rpm)</th>
<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
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<th>30°</th>
<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
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<tbody>
<tr>
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<td>2.33</td>
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<td>3.14</td>
<td>3.40</td>
<td>3.67</td>
<td>3.94</td>
<td>4.37</td>
<td>4.80</td>
<td>5.23</td>
<td>5.70</td>
<td>6.22</td>
</tr>
<tr>
<td>1440 motor</td>
<td>10.06</td>
<td>12.21</td>
<td>14.35</td>
<td>16.50</td>
<td>18.65</td>
<td>20.79</td>
<td>22.94</td>
<td>25.09</td>
<td>27.23</td>
<td>29.38</td>
<td>31.53</td>
<td>34.95</td>
<td>38.37</td>
<td>41.85</td>
<td>45.63</td>
<td>49.73</td>
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Lw(A) in dBA

-17
-37
-10
-30
0
-20

Lp(A) at 3m

-17
-37
-10
-30
0
-20

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

- Lp(A) - dBA levels are not licensed by AMCA international.
Adjustable Pitch Angle Axial Fan

FEG 71

50Hz

Peak Absorbed Power (kW)

<table>
<thead>
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<th>10°</th>
<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
<th>20°</th>
<th>22°</th>
<th>24°</th>
<th>26°</th>
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<th>30°</th>
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<th>34°</th>
<th>36°</th>
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<td>1.32</td>
<td>1.47</td>
<td>1.65</td>
<td>1.83</td>
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<td>2.20</td>
<td>2.38</td>
<td>2.57</td>
<td>2.75</td>
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<tr>
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<td>3.91</td>
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<td>25.84</td>
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</table>

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

**FEG 63**

**SERIES TFA 1120-12**

- **Impeller Code**: 1120/350
- **Size**: 1120mm

- **50Hz**

- **Peak Absorbed Power (kW)**

<table>
<thead>
<tr>
<th>N (rpm)</th>
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<th>12°</th>
<th>14°</th>
<th>16°</th>
<th>18°</th>
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<th>32°</th>
<th>34°</th>
<th>36°</th>
<th>38°</th>
<th>40°</th>
</tr>
</thead>
<tbody>
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<td>1.94</td>
<td>2.22</td>
<td>2.52</td>
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<td>3.42</td>
<td>3.72</td>
<td>4.02</td>
<td>4.33</td>
<td>4.71</td>
<td>5.09</td>
<td>5.50</td>
<td>5.95</td>
<td>6.40</td>
</tr>
<tr>
<td>960 motor</td>
<td>3.32</td>
<td>3.94</td>
<td>4.60</td>
<td>5.27</td>
<td>5.96</td>
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<td>13.31</td>
<td>15.54</td>
<td>17.77</td>
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<td>44.03</td>
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<td>51.18</td>
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</table>

- **Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).**

- **The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.**

- **Lp(A) - dBA levels are not licensed by AMCA international**
Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

Lp(A) - dBA levels are not licensed by AMCA international.
• Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

• The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

• Lp(A) - dBA levels are not licensed by AMCA international
Adjustable Pitch Angle Axial Fan

**FEG 60**

- **Adjustable Pitch Angle Axial Fan**
- **Impeller Code**: 1250/420
- **Size**: 1250mm
- **SERIES TFA 1250-11**
- **50Hz**

- Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international.
Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

Lp(A) - dBA levels are not licensed by AMCA international.
• Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

• The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

• Lp(A) - dBA levels are not licensed by AMCA international
• Performance certified is for installation type D-Ducted inlet. Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

• The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.

• Lp(A) - dBA levels are not licensed by AMCA international
## TFA SERIES DIMENSION

### Electric Motor (kW)

<table>
<thead>
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<th>Size</th>
<th>TFA</th>
<th>6P</th>
<th>4P</th>
<th>2P</th>
<th>L1</th>
<th>L2</th>
<th>ØA</th>
<th>ØB</th>
<th>ØD</th>
<th>Flange Size</th>
<th>PCD</th>
<th>No. of Holes</th>
<th>Weight (kg), L1</th>
<th>Weight (kg), L2</th>
<th>Max Motor Frame Size</th>
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<td>ALL</td>
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<td>132S</td>
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* The actual dimension is subject to the motor frame size used, kindly refer to GTG Technical Submittal for further details.

* Weight indicated above excluded the weight of motor, hub and fan blades.
**TFA-Q SERIES DIMENSION**

<table>
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<th>2P</th>
<th>øA</th>
<th>øB</th>
<th>øC</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<td>785</td>
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*The actual dimension is subject to the motor frame size used. Kindly refer to GTG Technical Submittal for further details.*

*Weight indicated above excluded the weight of motor, hub and blades.*