

**Kanalventilatoren** mit vorwärts- und rückwärts-gekrümmten Radiallaufrädern

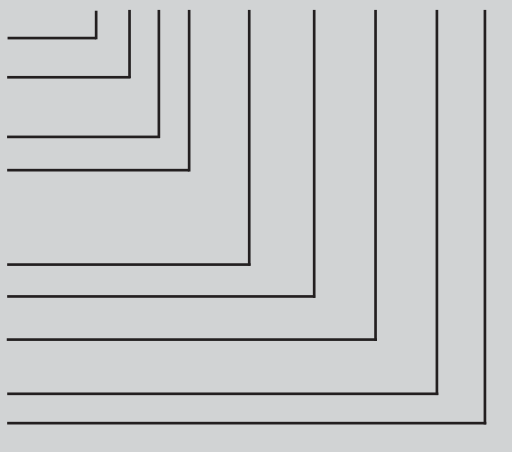
***Duct Fans*** with forward and backward curved centrifugal impellers



### Typenschlüssel / *Type Code*

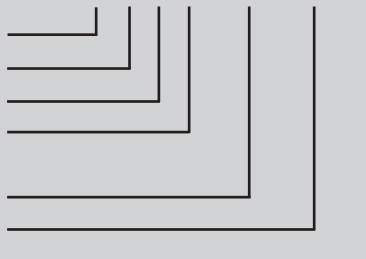
Kanalventilator / *duct fan*  
Hochleistungs-Radiallaufrad rückwärtsgekrümmt /  
*high efficiency centrifugal impeller backward curved*  
A = Außenläufermotor / *external rotor motor*  
E = Einphasen-Wechselstrom / *single phase A.C.*  
D = Drehstrom / *three phase alternating current*  
G = EC-Motor / *EC motor*  
Laufraddurchmesser / *impeller diameter*  
Polzahl / *number of poles*  
Wirkungsgradoptimiertes Laufrad /  
*efficiency optimized impeller*  
Schallgedämmt / *sound attenuated*  
Motortyp / *motor type* (5=112 ; 6=150)  
Paketlänge / *stack length*

**K H A E 250 - 4.. W S .6 IF**



einseitig saugend / *single inlet*  
Kanalventilator / *duct fan*  
Aussenläufermotor / *external rotor motor*  
E = Einphasen-Wechselstrom / *single phase A.C.*  
D = Drehstrom / *three phase alternating current*  
Laufraddurchmesser / *impeller diameter*  
Polzahl / *number of poles*  
Kleinerer Antriebsmotor / *smaller motor*

**E K A E 225 - 4 K**



## Eigenschaften und Ausführungen

Die Rosenberg-Kanalventilatoren vereinigen die Vorteile des Axialventilators - der geraden Durchströmung und einfachen Montage - mit der hohen Druckstabilität, dem niedrigen Schallniveau und ausgezeichneten Wirkungsgrad des Radialventilators.

### Gehäuse

Die Gehäuse sind aus verzinktem Stahlblech hergestellt und als rechteckiger Kanal ausgebildet, zum direkten Einbau in Luftkanäle in jeder beliebigen Einbaulage. Saug- und Druck-seitig sind mit Normflanschen ausgestattet. Die komplette Motor-Laufradeinheit lässt sich zu Reinigungszwecken ausklappen (KHAE/D/G). Die schallgedämmte Baureihe (..WS) bietet durch platzsparende, schallabsorbierende Lochblechauskleidung an prägnanten Punkten extrem niedrige Geräuschwerte.

### Laufräder

Die Trommellaufräder aus verzinktem Stahlblech (bei EKAE/D) sowie die Aluminiumblechlaufräder (ALMg3) mit rückwärtsgekrümmten Schaufeln sind direkt auf die Rotoren der Außenläufermotoren aufgebaut und zusammen mit diesen entsprechend Gütestufe G2.5 nach DIN1940 auf 2 Ebenen dynamisch ausgewuchtet.

### Elektrischer Anschluss

Die Antriebsmotoren haben ein ausgeführtes Kabel. Der elektrische Anschluss erfolgt durch einen lose beigefügten Anschlusskasten in Schutzart IP44.

### Drehrichtung

Die Drehrichtung ist auf Ansaugseite gesehen rechtsdrehend.

### Luftleistungskennlinien

Die Kennlinien für diese Typenreihen wurden in Einbautyp D (ansaugseitig und druckseitig angeschlossen) aufgenommen und zeigen die Gesamtdruckerhöhung  $\Delta p_t$  als Funktion des Volumenstromes. Der dynamische Druck  $\Delta p_{d2}$  ist auf den Flanschquerschnitt am Ventilatoraustritt bezogen.

### Geräusche

In den Luftleistungskennlinien ist der A-bewertete Freiausblas-Schallleistungspegel  $L_{WA6}$  angegeben (umrandete Zahlen). Der A-bewertete Freiansaug-Schallleistungspegel  $L_{WA5}$  nach DIN 45 635, Teil 38 wird wie folgt ermittelt:

$$L_{WA5} [dB(A)] = L_{WA6} [dB(A)] - 6 \text{ dB}$$

Den A-bewerteten Schalldruckpegel  $L_pA$  in 1m Abstand erhält man annähernd, in dem man vom A-Schallleistungspegel 7 dB(A) abzieht. Zu beachten ist, dass Reflexionen und Raumcharakteristik, sowie Eigenfrequenzen die Größe des Schalldruckpegels unterschiedlich beeinflussen. Die relativen Oktav-Schallleistungspegel  $L_{WArel}$  bei den Oktav-Mittelfrequenzen sind aus den direkt zugeordneten Tabellen der jeweiligen Ventilatorentypen zu entnehmen.

## Features and Construction

The Rosenberg duct fans provide a distinctive advantage of axial fans, i.e. straight airflow and easy installation, high pressure stability, low noise level and high efficiency of the centrifugal fan.

### Casing

Casings are made of galvanized sheet steel, formed as a rectangular duct, for direct installation into air ducts. Mounting in any position possible. On inlet and outlet side are standard flanges. Equipped with complete swing-out motorized impellers for easy inspection cleaning and maintenance (KHAE/D/G). The sound attenuated duct fans (..WS) offer with a space saving and sound absorbing casing extremely low noise levels.

### Impellers

The forward curved impellers are made of galvanized sheet steel (EKAE/D) and the impellers with backward curved blades made of sheet aluminium (ALMg3) are mounted directly to the rotor of the external rotor motor and are balanced dynamically together with the rotor according to quality level G2.5 to DIN1940.

### Electrical connection

The motors are fitted with an outgoing cable. The electrical connection can be made via an IP44 terminal box, which is supplied loose.

### Direction of rotation

Direction of rotation is clockwise, viewed from the inlet side.

### Air performance curves

The performance curves for these fan types have been measured in mounting position D (ducted on the pressure side and on the suction side) and show the total pressure increase  $\Delta p_t$  as a function of the air flow. The dynamic pressure  $\Delta p_{d2}$  refers to the flange cross section at the outlet side of the fan.

### Noise levels

The bordered values printed in the performance curve diagrams show the „A“ weighted  $L_{WA6}$  sound power level (fan outlet). Determination of „A“ weighted  $L_{WA5}$  sound power level at fan inlet:

$$L_{WA5} [dB(A)] = L_{WA6} [dB(A)] - 6 \text{ dB}$$

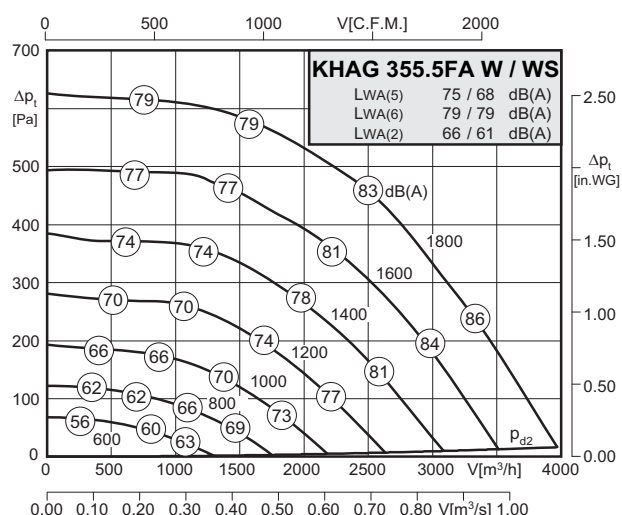
The „A“ weighted sound pressure level  $L_pA$  at a distance of 1 metre is calculated approximately by deducting 7 dB(A) from the „A“ weighted sound power level. It is important to note that the reflection and room characteristic as well as natural frequencies influence the sound pressure levels a different way. The relative octave sound power level  $L_{WArel}$  at octave medium frequency you can find on the table on each fan type page.





- integrierte Regelung (EC-Controller)
  - Komplettsystem mit minimierten Betriebskosten durch den Einsatz von EC-Technik
  - einfache Einregelung und Anpassung an die Anlage
  - stufenlos steuerbar oder regelbar
  - schnelle Montage DIN-Normflansch
  - rückwärtsgekrümmtes Laufrad
  - kompakte, raumsparende Bauart
- integrated control system (EC controller)
  - completed system with minimal operating costs, based on use of EC technology
  - simple setting and adjustment of the complete system
  - speed is 100% infinitely variable
  - easy installation (DIN standard flange)
  - backward curved impeller
  - compact and space saving design

### Technische Daten / Technical Data:



**Energieeinsparung gegenüber dem AC Typ bis zu: / Energy saving rate according to AC type up to:**

**35%\***

\* im drehzahlgesteuerten Teillastbereich \* at speed controlled partial load range

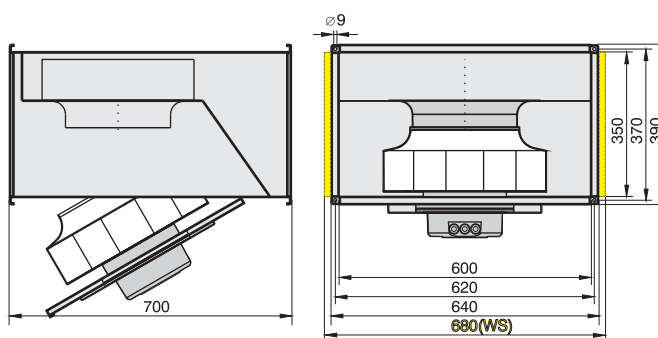
| Type: <b>KHAG 355.5FA W/WS</b> |                        | Art.-No.: <b>D15-35500 / D15-35510</b> |           |
|--------------------------------|------------------------|----------------------------------------|-----------|
| U                              | 400V (50Hz)            | Δp <sub>fa</sub> min                   | – Pa      |
| P <sub>1</sub>                 | 0.6 kW                 | ΔI                                     | – %       |
| I <sub>N</sub>                 | 1.15 A                 | I <sub>A</sub> / I <sub>N</sub>        | –         |
| n                              | 1800 min <sup>-1</sup> | ⚠                                      | IP54      |
| C <sub>400V</sub>              | – μF                   | ⚡                                      | 01.390 a) |
| t <sub>R</sub>                 | 60 °C                  | 🔥                                      | 36 kg     |

### Geräusche / Sound levels:

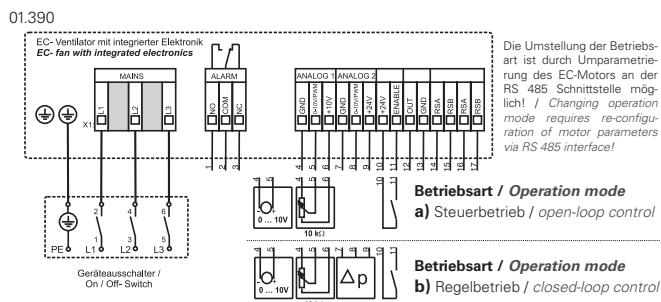
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|--------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125    | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -4     | -5  | -12 | -12 | -15 | -21 | -27 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -11    | -5  | -9  | -9  | -7  | -11 | -20 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -10    | -9  | -6  | -5  | -6  | -13 | -22 |

### Maße / Dimensions:

(alle Maße in mm / all dimensions in mm)



### Schaltbild / Wiring diagram:



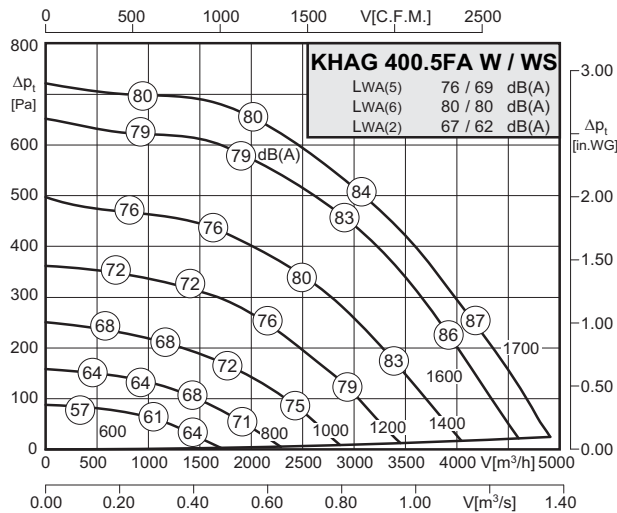
### Zubehör / Accessories:





- integrierte Regelung (EC-Controller)
- Komplettsystem mit minimierten Betriebskosten durch den Einsatz von EC-Technik
- einfache Einregelung und Anpassung an die Anlage
- stufenlos steuerbar oder regelbar
- schnelle Montage DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- kompakte, raumsparende Bauart
- integrated control system (EC controller)
- completed system with minimal operating costs, based on use of EC technology
- simple setting and adjustment of the complete system
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- easy installation (DIN standard flange)
- backward curved impeller
- compact and space saving design

### Technische Daten / Technical Data:



**Energieeinsparung gegenüber dem AC Typ bis zu: / Energy saving rate according to AC type up to:**

**35%\***

\* im drehzahlgesteuerten Teillastbereich \* at speed controlled partial load range

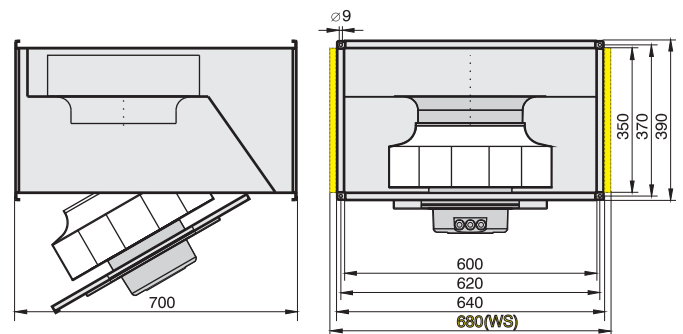
| Type: <b>KHAG 400.5FA W/WS</b> |                        | Art.-No.: <b>D15-40000 / D15-40010</b> |           |
|--------------------------------|------------------------|----------------------------------------|-----------|
| U                              | 400V (50Hz)            | Δp <sub>fa min</sub>                   | — Pa      |
| P <sub>1</sub>                 | 0.8 kW                 | ΔI                                     | — %       |
| I <sub>N</sub>                 | 1.45 A                 | I <sub>A</sub> / I <sub>N</sub>        | —         |
| n                              | 1700 min <sup>-1</sup> | ⚠                                      | IP54      |
| C <sub>400V</sub>              | — μF                   | ⚡                                      | 01.390 a) |
| t <sub>R</sub>                 | 50 °C                  | 🔥                                      | 36,5 kg   |

### Geräusche / Sound levels:

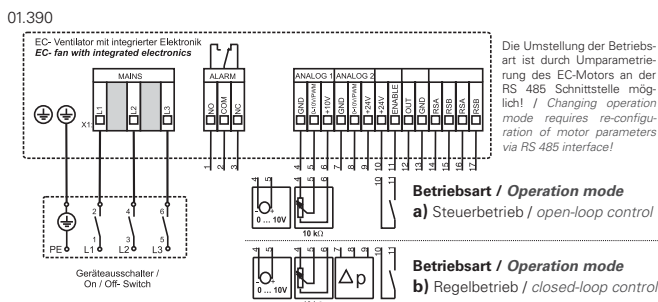
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|--------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125    | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -4     | -3  | -11 | -13 | -18 | -21 | -28 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -7     | -5  | -11 | -9  | -8  | -12 | -20 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -10    | -8  | -7  | -6  | -7  | -11 | -21 |

### Maße / Dimensions:

(alle Maße in mm / all dimensions in mm)



### Schaltbild / Wiring diagram:



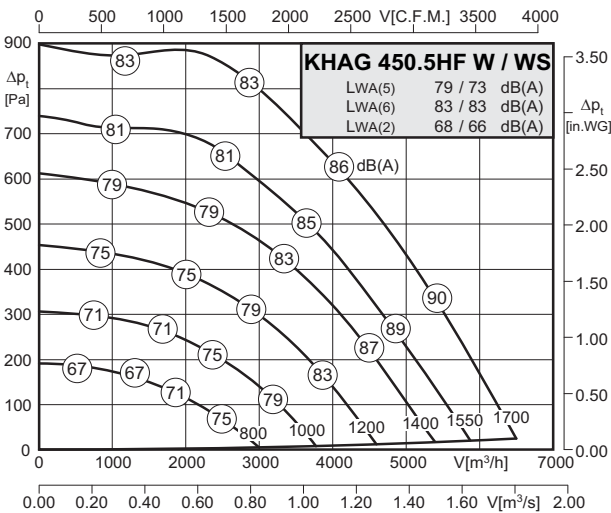
### Zubehör / Accessories:





- integrierte Regelung (EC-Controller)
  - Komplettsystem mit minimierten Betriebskosten durch den Einsatz von EC-Technik
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Technische Daten / Technical Data:



Energieeinsparung  
gegenüber dem AC Typ bis zu: /  
Energy saving rate  
according to AC type up to:  
**35%\***

\* im drehzahlgesteuerten Teillastbereich \* at speed controlled partial load range

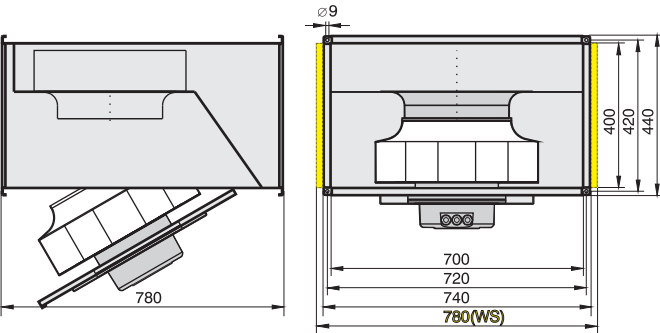
| Type : KHAG 450.5HF W/WS |                        | Art.-No. : D15-45020 / D15-45010 |           |
|--------------------------|------------------------|----------------------------------|-----------|
| U                        | 400V (50Hz)            | Δp <sub>fa</sub> min             | – Pa      |
| P <sub>1</sub>           | 1.3 kW                 | ΔI                               | – %       |
| I <sub>N</sub>           | 2.3 A                  | I <sub>A</sub> / I <sub>N</sub>  | –         |
| n                        | 1700 min <sup>-1</sup> | ⚠                                | IP54      |
| C <sub>400V</sub>        | – μF                   | ⚡                                | 01.390 a) |
| t <sub>R</sub>           | 50 °C                  | 🔌                                | 51 kg     |

Geräusche / Sound levels:

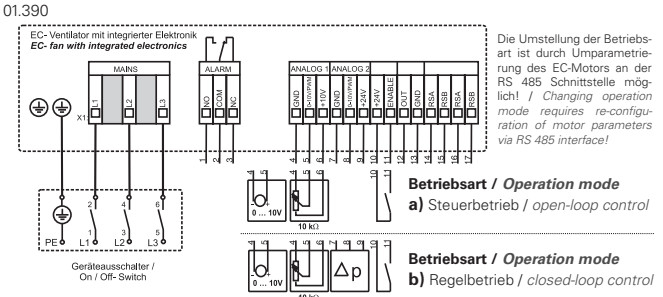
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f <sub>M</sub> [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125                 | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -7                  | -4  | -8  | -11 | -15 | -20 | -27 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -14                 | -9  | -3  | -7  | -8  | -14 | -22 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -15                 | -9  | -7  | -5  | -8  | -13 | -23 |

Maße / Dimensions:

(alle Maße in mm / all dimensions in mm)



Schaltbild / Wiring diagram:



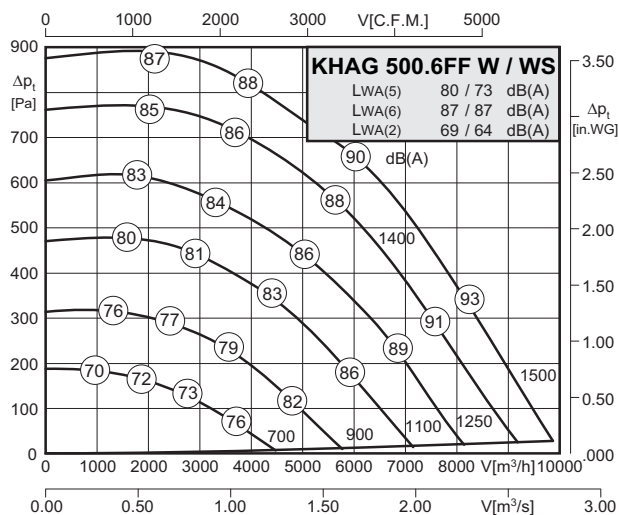
Zubehör / Accessories:





- integrierte Regelung (EC-Controller)
  - Komplettsystem mit minimierten Betriebskosten durch den Einsatz von EC-Technik
  - einfache Einregelung und Anpassung an die Anlage
  - stufenlos steuerbar oder regelbar
  - schnelle Montage DIN-Normflansch
  - rückwärtsgekrümmtes Laufrad
  - kompakte, raumsparende Bauart
- *integrated control system (EC controller)*
  - *completed system with minimal operating costs, based on use of EC technology*
  - *simple setting and adjustment of the complete system*
  - *speed is 100% infinitely variable*
  - *easy installation (DIN standard flange)*
  - *backward curved impeller*
  - *compact and space saving design*

### Technische Daten / Technical Data:



**Energieeinsparung gegenüber dem AC Typ bis zu: /**  
**Energy saving rate according to AC type up to:**

**35%\***

\* im drehzahlgesteuerten Teillastbereich \* at speed controlled partial load range

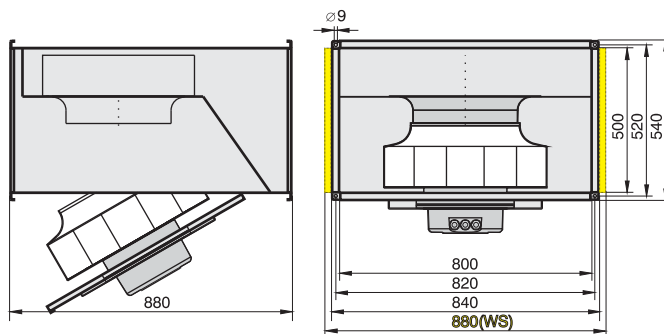
| Type: <b>KHAG 500.6FF W/WS</b> |                        | Art.-No.: <b>D15-50000 / D15-50010</b> |           |
|--------------------------------|------------------------|----------------------------------------|-----------|
| U                              | 400V (50Hz)            | Δp <sub>fa min</sub>                   | — Pa      |
| P <sub>1</sub>                 | 2.0 kW                 | ΔI                                     | — %       |
| I <sub>N</sub>                 | 3.1 A                  | I <sub>A</sub> / I <sub>N</sub>        | —         |
| n                              | 1500 min <sup>-1</sup> | ▲                                      | IP54      |
| C <sub>400V</sub>              | — μF                   | ★                                      | 01.390 a) |
| t <sub>R</sub>                 | 40 °C                  | ■                                      | 78 kg     |

### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f <sub>M</sub> [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|-----|-----|----|-----|-----|-----|
|                                                                                                                     |                            | 125                 | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -10                 | -3  | -7  | -8 | -11 | -17 | -25 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -20                 | -9  | -5  | -6 | -7  | -13 | -22 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -19                 | -9  | -7  | -4 | -7  | -13 | -23 |

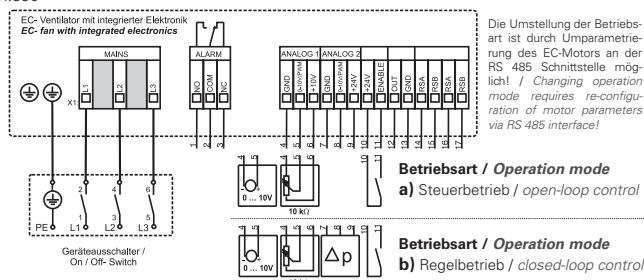
### Maße / Dimensions:

(alle Maße in mm / all dimensions in mm)



### Schaltbild / Wiring diagram:

01.390



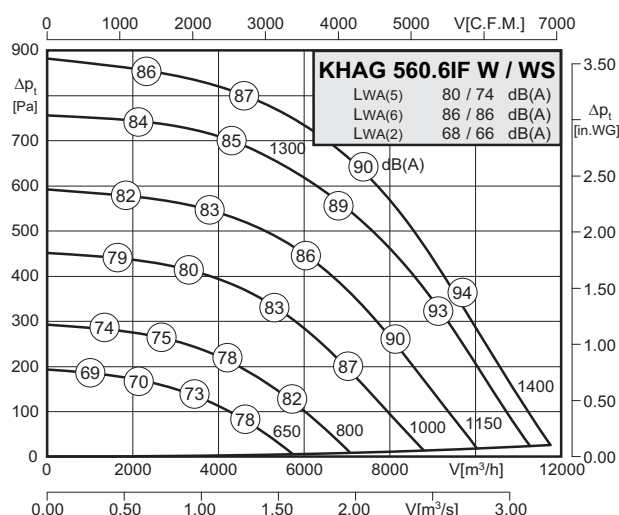
### Zubehör / Accessories:





- integrierte Regelung (EC-Controller)
  - Komplettsystem mit minimierten Betriebskosten durch den Einsatz von EC-Technik
  - einfache Einregelung und Anpassung an die Anlage
  - stufenlos steuerbar oder regelbar
  - schnelle Montage DIN-Normflansch
  - rückwärtsgekrümmtes Laufrad
  - kompakte, raumsparende Bauart
- integrated control system (EC controller)
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  - easy installation (DIN standard flange)
  - backward curved impeller
  - compact and space saving design

### Technische Daten / Technical Data:



**Energiesparung gegenüber dem AC Typ bis zu: /**  
**Energy saving rate according to AC type up to:**

**35%\***

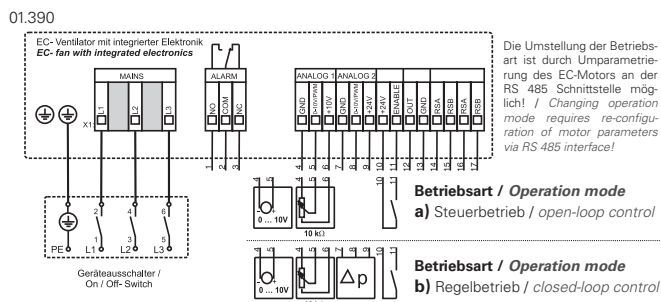
\* im drehzahlgesteuerten Teillastbereich \* at speed controlled partial load range

| Type                            | Art.-No.                     |
|---------------------------------|------------------------------|
| <b>KHAG 560.6IF W/WS</b>        | <b>D15-56000 / D15-56011</b> |
| U                               | 400V (50Hz)                  |
| P <sub>1</sub>                  | 2.4 kW                       |
| I <sub>N</sub>                  | 3.8 A                        |
| n                               | 1400 min <sup>-1</sup>       |
| C <sub>400V</sub>               | – μF                         |
| t <sub>R</sub>                  | 50 °C                        |
| Δp <sub>fa min</sub>            | – Pa                         |
| ΔI                              | – %                          |
| I <sub>A</sub> / I <sub>N</sub> | –                            |
| ⚠                               | IP54                         |
| ✳                               | 01.390 a)                    |
| 🔌                               | 91 kg                        |

### Geräusche / Sound levels:

| LWArel A-bewertet bei V=0,5*Vmax<br>LWArel A-weighted at V=0,5*Vmax |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA2 [dB(A)]                                                        | Gehäuse / casing           | -6      | -5  | -8  | -12 | -19 | -26 | -29 |
| LWA5 [dB(A)]                                                        | Ansaugseite / inlet side   | -11     | -9  | -8  | -7  | -7  | -10 | -17 |
| LWA6 [dB(A)]                                                        | Ausblasseite / outlet side | -15     | -9  | -7  | -4  | -8  | -13 | -22 |

### Schaltbild / Wiring diagram:



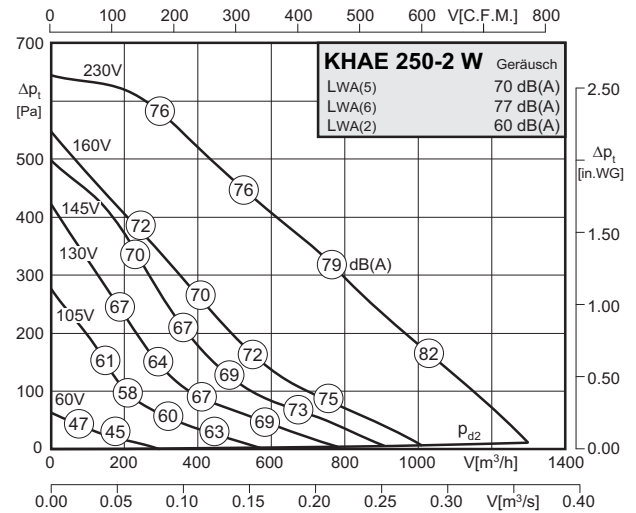
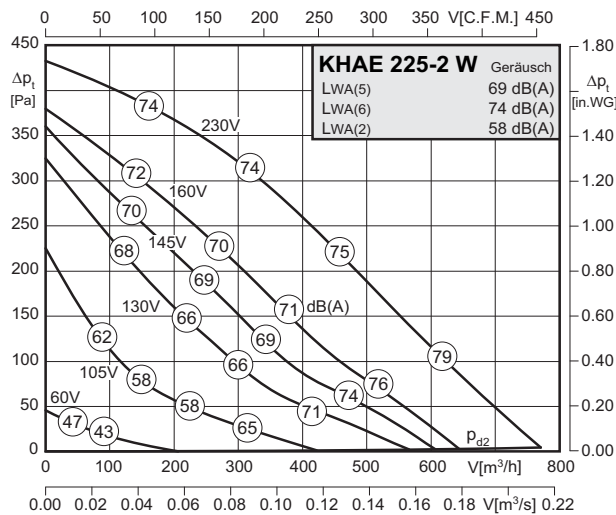
### Zubehör / Accessories:





- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type: <b>KHAE 225-2 W</b> |                        | Art.-Nr. / Art.-No.: <b>D14-22500</b> |         |
|---------------------------------|------------------------|---------------------------------------|---------|
| U                               | 230V (50Hz)            | Δp <sub>fa</sub> min                  | – Pa    |
| P <sub>1</sub>                  | 0.12 kW                | ΔI                                    | 8 %     |
| I <sub>N</sub>                  | 0.52 A                 | I <sub>A</sub> / I <sub>N</sub>       | 1.8     |
| n                               | 2640 min <sup>-1</sup> | ▲                                     | IP44    |
| C <sub>400V</sub>               | 3 μF                   | ★                                     | 01.009  |
| t <sub>R</sub>                  | 50 °C                  | ■                                     | 12,5 kg |

| Typ / Type: <b>KHAE 250-2 W</b> |                        | Art.-Nr. / Art.-No.: <b>D14-25000</b> |        |
|---------------------------------|------------------------|---------------------------------------|--------|
| U                               | 230V (50Hz)            | Δp <sub>fa</sub> min                  | – Pa   |
| P <sub>1</sub>                  | 0.24 kW                | ΔI                                    | 2 %    |
| I <sub>N</sub>                  | 1.04 A                 | I <sub>A</sub> / I <sub>N</sub>       | 1.6    |
| n                               | 2410 min <sup>-1</sup> | ▲                                     | IP44   |
| C <sub>400V</sub>               | 5 μF                   | ★                                     | 01.009 |
| t <sub>R</sub>                  | 45 °C                  | ■                                     | 14 kg  |

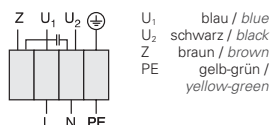
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -11     | -4  | -5  | -10 | -14 | -20 | -22 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -16     | -6  | -9  | -5  | -7  | -12 | -21 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -23     | -10 | -5  | -8  | -6  | -11 | -21 |

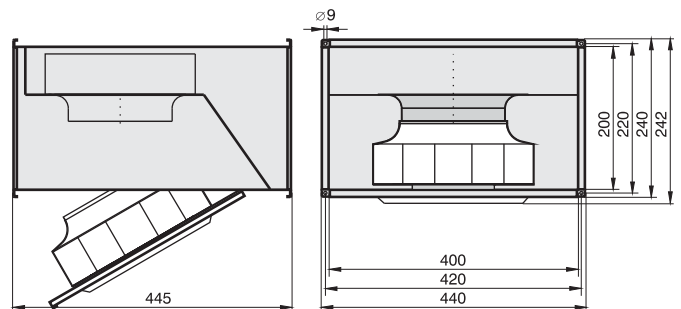
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -13     | -7  | -4  | -7 | -12 | -18 | -20 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -17     | -7  | -8  | -4 | -8  | -10 | -16 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -24     | -13 | -4  | -6 | -5  | -10 | -17 |

### Schaltbild / Wiring diagram:

01.009



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

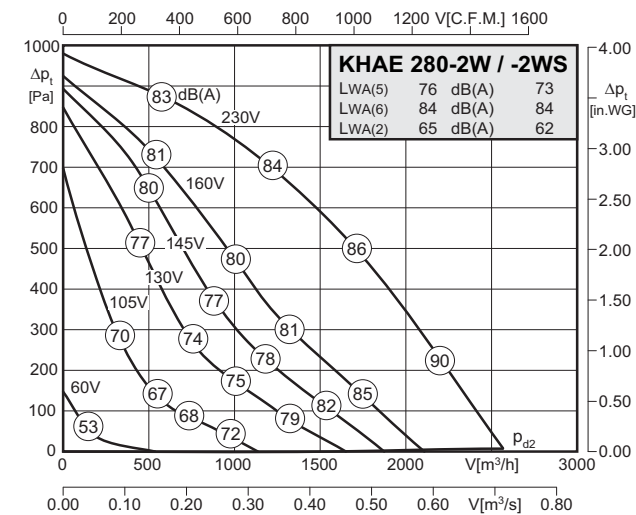


Kanalventilatoren (rückwärtsgekrümmt) / Duct Fans (backward curved)  
Baugröße / Size: 280

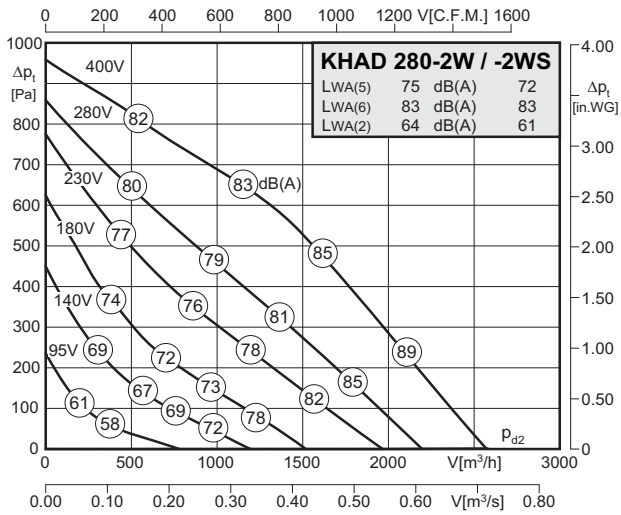


- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

Technische Daten / Technical Data:



| Typ / Type: KHA 280-2W(S) |                        | Art.-No. : D14-28000 / D14-28010 |                |
|---------------------------|------------------------|----------------------------------|----------------|
| U                         | 230V (50Hz)            | $\Delta p_{fa}$ min              | - Pa           |
| P <sub>1</sub>            | 0.73 kW                | $\Delta i$                       | 16 %           |
| I <sub>N</sub>            | 3.2 A                  | I <sub>A</sub> / I <sub>N</sub>  | 2.1            |
| n                         | 2580 min <sup>-1</sup> |                                  | IP54           |
| C <sub>400v</sub>         | 14 µF                  |                                  | 01.024         |
| t <sub>R</sub>            | 60 °C                  |                                  | 23,5 / 26,5 kg |



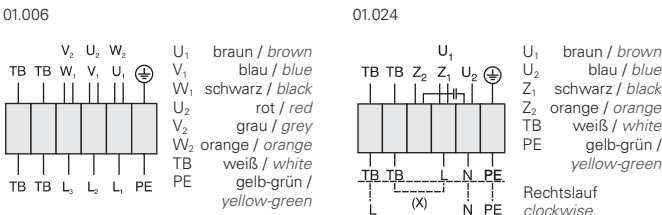
| Typ / Type: KHA-D 280-2W(S) |                        | Art.-No. : D14-28050 / D14-28060 |                |
|-----------------------------|------------------------|----------------------------------|----------------|
| U                           | 400V (50Hz)            | $\Delta p_{fa}$ min              | - Pa           |
| P <sub>1</sub>              | 0.62 kW                | $\Delta i$                       | 4 %            |
| I <sub>N</sub>              | 1.0 A                  | I <sub>A</sub> / I <sub>N</sub>  | 2.5            |
| n                           | 2440 min <sup>-1</sup> |                                  | IP54           |
| C <sub>400v</sub>           | - µF                   |                                  | 01.006         |
| t <sub>R</sub>              | 65 °C                  |                                  | 21,5 / 24,5 kg |

Geräusche / Sound levels:

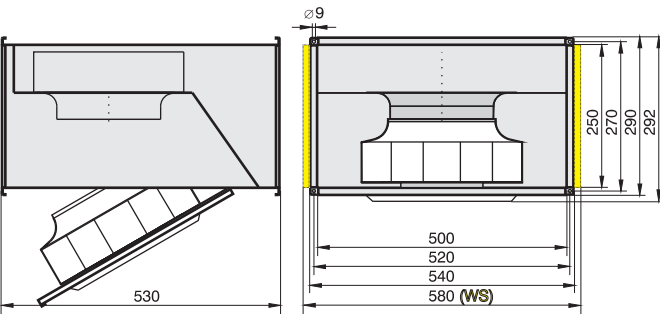
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -12     | -1  | -6  | -10 | -15 | -20 | -26 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -19     | -4  | -6  | -5  | -8  | -13 | -21 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -26     | -7  | -5  | -6  | -6  | -13 | -22 |

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -12     | -1  | -6  | -10 | -15 | -20 | -26 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -19     | -4  | -6  | -5  | -8  | -13 | -21 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -26     | -7  | -5  | -6  | -6  | -13 | -22 |

Schaltbild / Wiring diagram:



Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



Zubehör / Accessories:

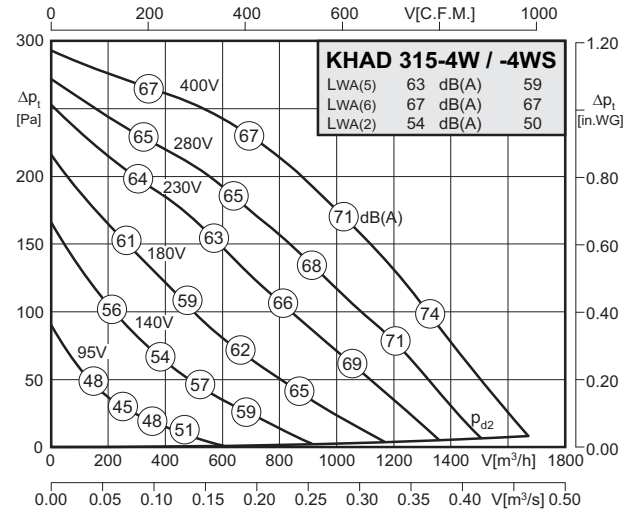
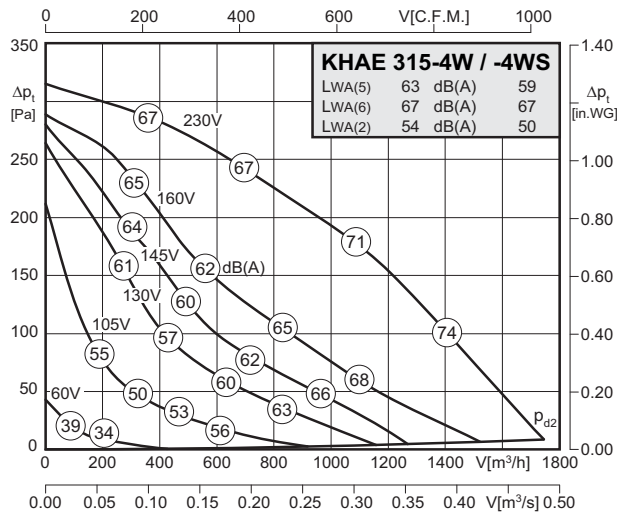




- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar

- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type: <b>KHA 315-4 W(S)</b> |                        | Art.-No.: <b>D14-31500 / D14-31510</b> |            |
|-----------------------------------|------------------------|----------------------------------------|------------|
| U                                 | 230V (50Hz)            | Δp <sub>fa</sub> min                   | – Pa       |
| P <sub>1</sub>                    | 0.165 kW               | ΔI                                     | 4 %        |
| I <sub>N</sub>                    | 0.73 A                 | I <sub>A</sub> / I <sub>N</sub>        | 1.9        |
| n                                 | 1325 min <sup>-1</sup> | ▲                                      | IP54       |
| C <sub>400V</sub>                 | 4 μF                   | ★                                      | 01.024     |
| t <sub>R</sub>                    | 50 °C                  | ■                                      | 20 / 23 kg |

| Typ / Type: <b>KHAD 315-4 W(S)</b> |                        | Art.-No.: <b>D14-31550 / D14-31560</b> |            |
|------------------------------------|------------------------|----------------------------------------|------------|
| U                                  | 400V (50Hz)            | Δp <sub>fa</sub> min                   | – Pa       |
| P <sub>1</sub>                     | 0.15 kW                | ΔI                                     | – %        |
| I <sub>N</sub>                     | 0.33 A                 | I <sub>A</sub> / I <sub>N</sub>        | 2.8        |
| n                                  | 1340 min <sup>-1</sup> | ▲                                      | IP54       |
| C <sub>400V</sub>                  | – μF                   | ★                                      | 01.006     |
| t <sub>R</sub>                     | 70 °C                  | ■                                      | 20 / 23 kg |

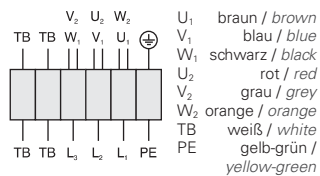
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -5      | -3  | -11 | -12 | -14 | -19 | -27 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -8      | -7  | -6  | -6  | -9  | -16 | -28 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -15     | -7  | -5  | -5  | -6  | -14 | -21 |

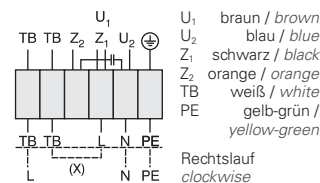
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -5      | -3  | -11 | -12 | -14 | -19 | -27 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -8      | -7  | -6  | -6  | -9  | -16 | -28 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -15     | -7  | -5  | -5  | -6  | -14 | -21 |

### Schaltbild / Wiring diagram:

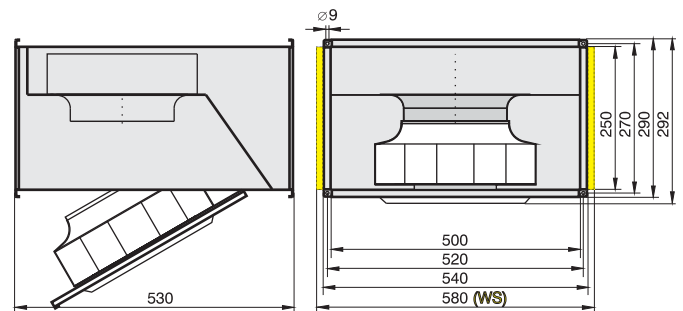
01.006



01.024



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:



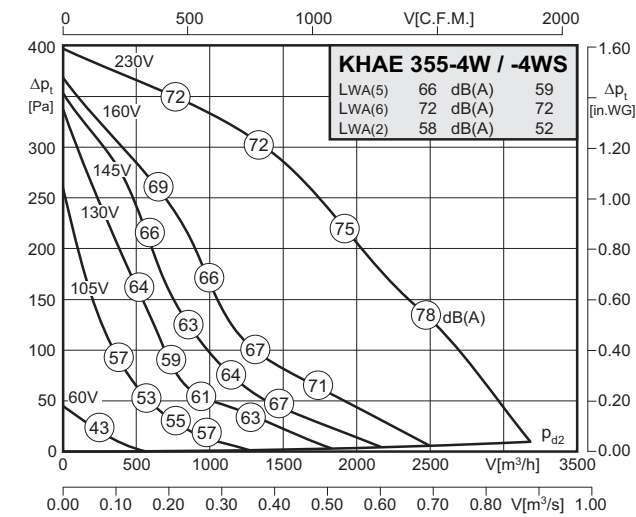
|                                         |                                     |                                     |                                |                                |                                 |                                |                                |                                 |                                 |
|-----------------------------------------|-------------------------------------|-------------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|
| <b>RTE/RTD</b><br>Seite/Page<br>384,392 | <b>MSE/MSD</b><br>Seite/Page<br>378 | <b>TE / TD</b><br>Seite/Page<br>400 | <b>GS</b><br>Seite/Page<br>404 | <b>KD</b><br>Seite/Page<br>424 | <b>FKV</b><br>Seite/Page<br>424 | <b>GF</b><br>Seite/Page<br>425 | <b>VK</b><br>Seite/Page<br>425 | <b>VKJ</b><br>Seite/Page<br>426 | <b>KFB</b><br>Seite/Page<br>426 |
|-----------------------------------------|-------------------------------------|-------------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|

Kanalventilatoren (rückwärtsgekrümmt) / Duct Fans (backward curved)  
Baugröße / Size: 355



- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

Technische Daten / Technical Data:

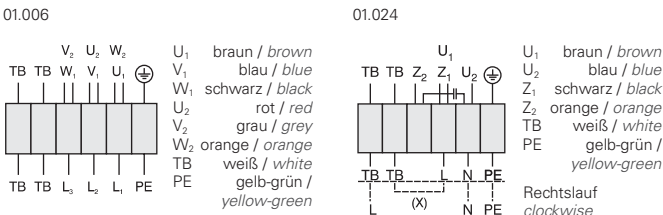


| Typ / Type: KHA 355-4 W(S) |                        | Art.-No. : D14-35500 / D14-35510 |            |
|----------------------------|------------------------|----------------------------------|------------|
| U                          | 230V (50Hz)            | Δp <sub>fa</sub> min             | – Pa       |
| P <sub>1</sub>             | 0.32 kW                | Δi                               | 8 %        |
| I <sub>N</sub>             | 1.45 A                 | I <sub>A</sub> / I <sub>N</sub>  | 2.0        |
| n                          | 1300 min <sup>-1</sup> | ⚠                                | IP54       |
| C <sub>400v</sub>          | 6 μF                   | ★                                | 01.024     |
| t <sub>R</sub>             | 40 °C                  | 🔌                                | 32 / 35 kg |

Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA2 [dB(A)]                                                                                                        | Gehäuse / casing           | -4      | -5  | -12 | -12 | -15 | -21 | -27 |
| LWA5 [dB(A)]                                                                                                        | Ansaugseite / inlet side   | -11     | -5  | -9  | -9  | -7  | -11 | -20 |
| LWA6 [dB(A)]                                                                                                        | Ausblasseite / outlet side | -10     | -9  | -6  | -5  | -6  | -13 | -22 |

Schaltbild / Wiring diagram:



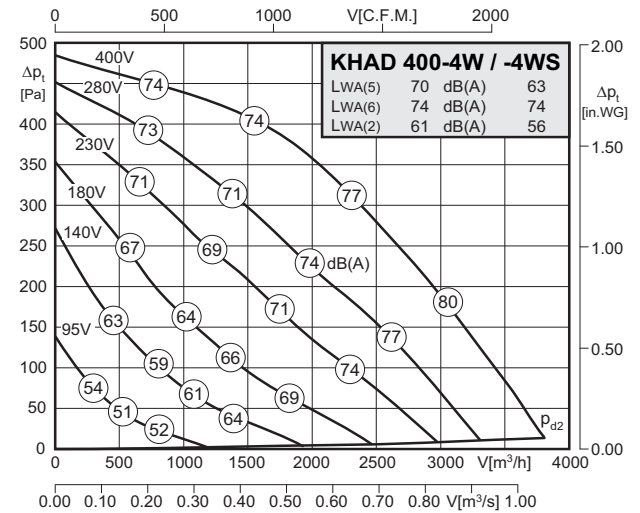
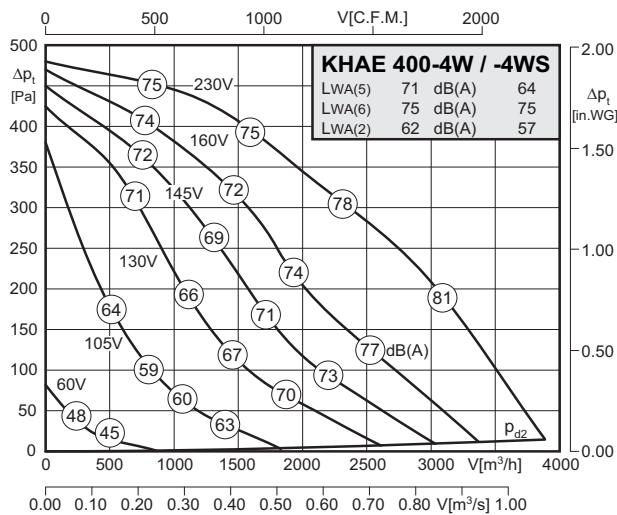
Zubehör / Accessories:





- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type : KHAE 400-4 W(S) |                        | Art.-No. : D14-40000 / D14-40010 |            |
|------------------------------|------------------------|----------------------------------|------------|
| U                            | 230V (50Hz)            | $\Delta p_{fa}$ min              | – Pa       |
| P <sub>1</sub>               | 0.54 kW                | $\Delta I$                       | 12 %       |
| I <sub>N</sub>               | 2.60 A                 | I <sub>A</sub> / I <sub>N</sub>  | 2.5        |
| n                            | 1370 min <sup>-1</sup> |                                  | IP54       |
| C <sub>400v</sub>            | 12 µF                  |                                  | 01.024     |
| t <sub>R</sub>               | 45 °C                  |                                  | 35 / 38 kg |

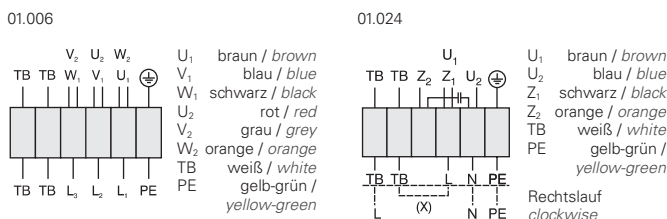
| Typ / Type : KHAD 400-4 W(S) |                        | Art.-No. : D14-40050 / D14-40060 |            |
|------------------------------|------------------------|----------------------------------|------------|
| U                            | 400V (50Hz)            | $\Delta p_{fa}$ min              | – Pa       |
| P <sub>1</sub>               | 0.49 kW                | $\Delta I$                       | 10 %       |
| I <sub>N</sub>               | 0.90 A                 | I <sub>A</sub> / I <sub>N</sub>  | 3.2        |
| n                            | 1310 min <sup>-1</sup> |                                  | IP54       |
| C <sub>400v</sub>            | – µF                   |                                  | 01.006     |
| t <sub>R</sub>               | 40 °C                  |                                  | 33 / 36 kg |

### Geräusche / Sound levels:

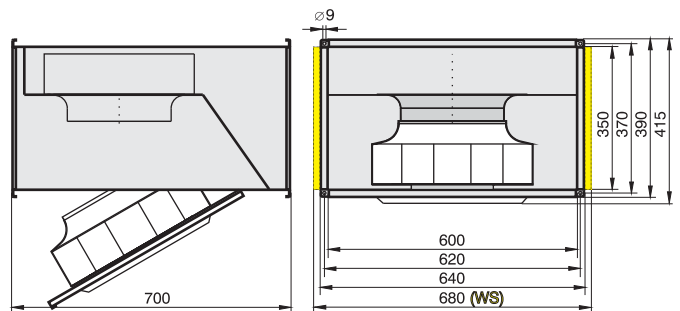
| LWArel A-bewertet bei V=0,5*Vmax<br>LWArel A-weighted at V=0,5*Vmax |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA2 [dB(A)]                                                        | Gehäuse / casing           | -4      | -3  | -11 | -13 | -18 | -21 | -28 |
| LWA5 [dB(A)]                                                        | Ansaugseite / inlet side   | -7      | -5  | -11 | -9  | -8  | -12 | -20 |
| LWA6 [dB(A)]                                                        | Ausblasseite / outlet side | -10     | -8  | -7  | -6  | -7  | -11 | -21 |

| LWArel A-bewertet bei V=0,5*Vmax<br>LWArel A-weighted at V=0,5*Vmax |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA2 [dB(A)]                                                        | Gehäuse / casing           | -4      | -3  | -11 | -13 | -18 | -21 | -28 |
| LWA5 [dB(A)]                                                        | Ansaugseite / inlet side   | -7      | -5  | -11 | -9  | -8  | -12 | -20 |
| LWA6 [dB(A)]                                                        | Ausblasseite / outlet side | -10     | -8  | -7  | -6  | -7  | -11 | -21 |

### Schaltbild / Wiring diagram:



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

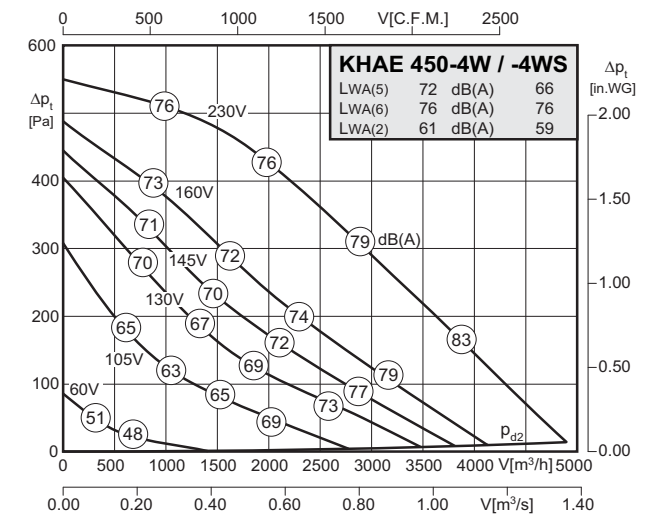


Kanalventilatoren (rückwärtsgekrümmt) / Duct Fans (backward curved)  
Baugröße / Size: 450



- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

Technische Daten / Technical Data:

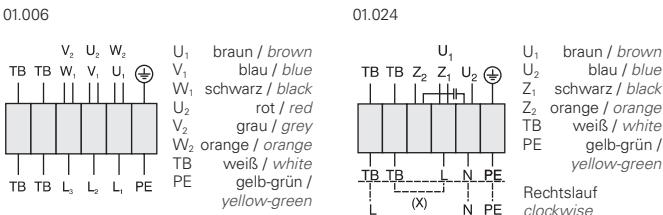


| Typ / Type: KHA 450-4 W(S) |                        | Art.-No. : D14-45000 / D14-45010 |            |
|----------------------------|------------------------|----------------------------------|------------|
| U                          | 230V (50Hz)            | $\Delta p_{fa}$ min              | – Pa       |
| P <sub>1</sub>             | 0.71 kW                | $\Delta i$                       | 11 %       |
| I <sub>N</sub>             | 3.25 A                 | I <sub>A</sub> / I <sub>N</sub>  | 2.0        |
| n                          | 1265 min <sup>-1</sup> |                                  | IP54       |
| C <sub>400v</sub>          | 16 µF                  |                                  | 01.024     |
| t <sub>R</sub>             | 50 °C                  |                                  | 47 / 50 kg |

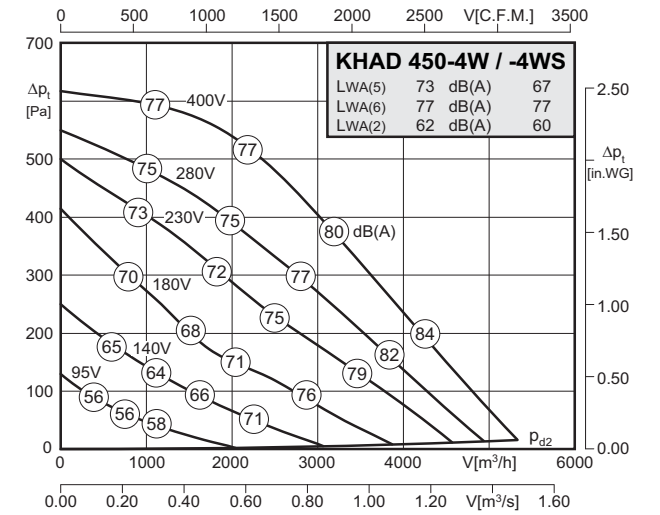
Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | fM [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125     | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA2 [dB(A)]                                                                                                        | Gehäuse / casing           | -7      | -4  | -8  | -11 | -15 | -20 | -27 |
| LWA5 [dB(A)]                                                                                                        | Ansaugseite / inlet side   | -14     | -9  | -3  | -7  | -8  | -14 | -22 |
| LWA6 [dB(A)]                                                                                                        | Ausblasseite / outlet side | -15     | -9  | -7  | -5  | -8  | -13 | -23 |

Schaltbild / Wiring diagram:

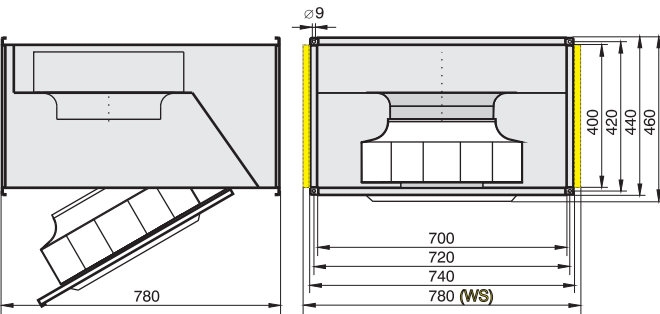


Zubehör / Accessories:



| Typ / Type: KHAH 450-4 W(S) |                        | Art.-No. : D14-45050 / D14-45060 |            |
|-----------------------------|------------------------|----------------------------------|------------|
| U                           | 400V (50Hz)            | $\Delta p_{fa}$ min              | – Pa       |
| P <sub>1</sub>              | 0.78 kW                | $\Delta i$                       | 5 %        |
| I <sub>N</sub>              | 1.55 A                 | I <sub>A</sub> / I <sub>N</sub>  | 2.5        |
| n                           | 1355 min <sup>-1</sup> |                                  | IP54       |
| C <sub>400v</sub>           | – µF                   |                                  | 01.006     |
| t <sub>R</sub>              | 55 °C                  |                                  | 47 / 50 kg |

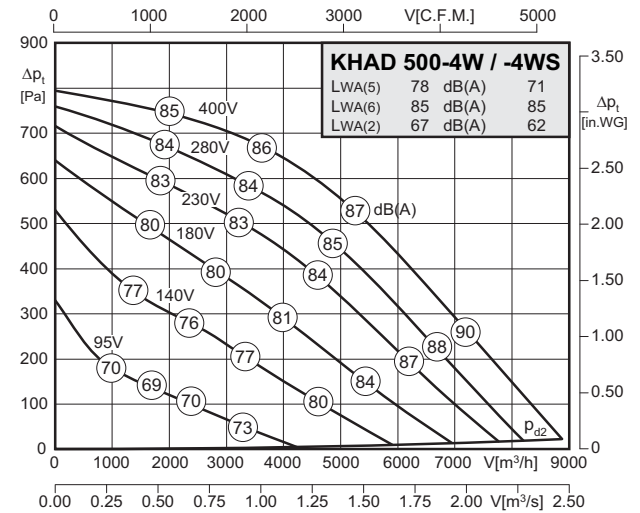
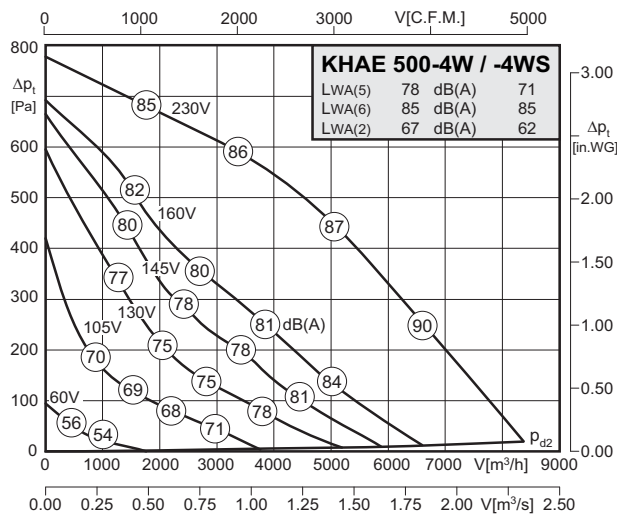
Maße / Dimensions: (alle Maße in mm / all dimensions in mm)





- schnelle Montage an DIN-Normflansch
- rückwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- backward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting current
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type: <b>KHA 500-4 W(S)</b> |                        | Art.-No.: <b>D14-50000 / D14-50010</b> |            |
|-----------------------------------|------------------------|----------------------------------------|------------|
| U                                 | 230V (50Hz)            | Δp <sub>fa</sub> min                   | – Pa       |
| P <sub>1</sub>                    | 1.62 kW                | ΔI                                     | 8 %        |
| I <sub>N</sub>                    | 7.30 A                 | I <sub>A</sub> / I <sub>N</sub>        | 2.2        |
| n                                 | 1300 min <sup>-1</sup> | ▲                                      | IP54       |
| C <sub>400V</sub>                 | 30 μF                  | ★                                      | 01.024     |
| t <sub>R</sub>                    | 40 °C                  | ■                                      | 69 / 72 kg |

| Typ / Type: <b>KHAD 500-4 W(S)</b> |                        | Art.-No.: <b>D14-50050 / D14-50060</b> |            |
|------------------------------------|------------------------|----------------------------------------|------------|
| U                                  | 400V (50Hz)            | Δp <sub>fa</sub> min                   | – Pa       |
| P <sub>1</sub>                     | 1.70 kW                | ΔI                                     | 9.5 %      |
| I <sub>N</sub>                     | 3.50 A                 | I <sub>A</sub> / I <sub>N</sub>        | 4.3        |
| n                                  | 1390 min <sup>-1</sup> | ▲                                      | IP54       |
| C <sub>400V</sub>                  | – μF                   | ★                                      | 01.006     |
| t <sub>R</sub>                     | 55 °C                  | ■                                      | 69 / 72 kg |

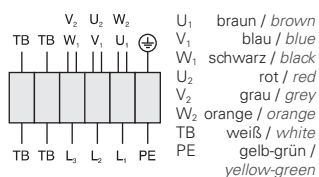
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|--------|-----|-----|----|-----|-----|-----|
|                                                                                                                     |                            | 125    | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -10    | -3  | -7  | -8 | -11 | -17 | -25 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -20    | -9  | -5  | -6 | -7  | -13 | -22 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -19    | -9  | -7  | -4 | -7  | -13 | -23 |

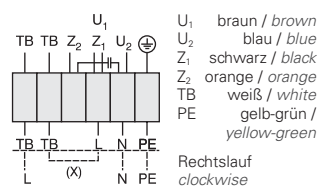
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|--------|-----|-----|----|-----|-----|-----|
|                                                                                                                     |                            | 125    | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -10    | -3  | -7  | -8 | -11 | -17 | -25 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -20    | -9  | -5  | -6 | -7  | -13 | -22 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -19    | -9  | -7  | -4 | -7  | -13 | -23 |

### Schaltbild / Wiring diagram:

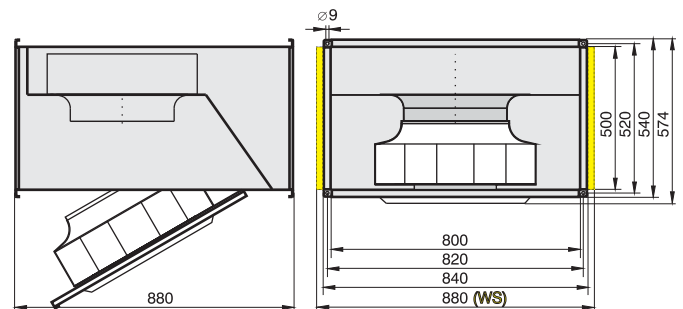
01.006



01.024



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

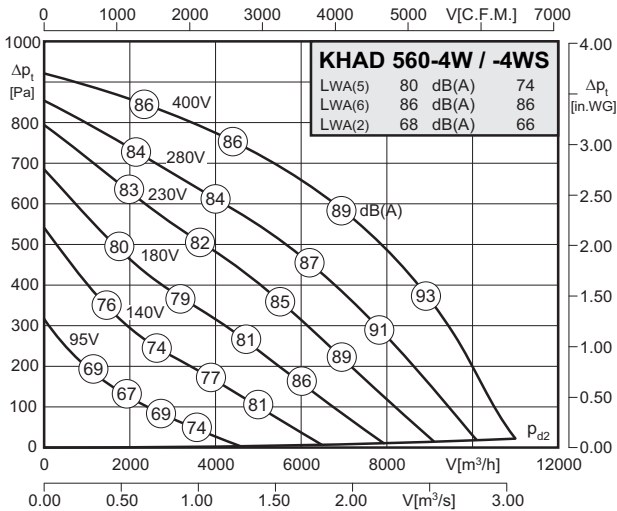


Kanalventilatoren (rückwärtsgekrümmt) / Duct Fans (backward curved)  
Baugröße / Size: 560



- schnelle Montage an DIN-Normflansch
  - rückwärtsgekrümmtes Laufrad
  - in allen Einbaulagen einsetzbar
  - kompakte, raumsparende Bauart
  - Isolierstoffklasse F
  - extrem geringer Anlaufstrom
  - Motorschutz durch Thermokontakte
  - transformatorisch steuerbar
- easy installation (DIN standard flange)
  - backward curved impeller
  - can be installed in any position
  - compact and space saving design
  - insulation class F
  - extremely low starting current
  - motor protection by thermal contacts
  - speed is variable using auto transformers

Technische Daten / Technical Data:

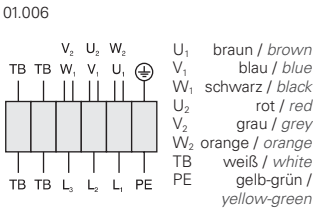


| Typ / Type: KHAD 560-4 W(S) |                        | Art.-No. : D14-56050 / D14-56060 |        |
|-----------------------------|------------------------|----------------------------------|--------|
| U                           | 400V (50Hz)            | Δp <sub>fa</sub> min             | – Pa   |
| P <sub>1</sub>              | 2.40 kW                | ΔI                               | 6 %    |
| I <sub>N</sub>              | 4.50 A                 | I <sub>A</sub> / I <sub>N</sub>  | 4.2    |
| n                           | 1340 min <sup>-1</sup> |                                  | IP54   |
| C <sub>400V</sub>           | – μF                   |                                  | 01.006 |
| t <sub>R</sub>              | 45 °C                  |                                  | 96 kg  |

Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> |                            | f <sub>M</sub> [Hz] |     |     |     |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|-----|-----|-----|-----|-----|-----|
|                                                                                                                     |                            | 125                 | 250 | 500 | 1K  | 2K  | 4K  | 8K  |
| LWA <sub>2</sub> [dB(A)]                                                                                            | Gehäuse / casing           | -6                  | -5  | -8  | -12 | -19 | -26 | -29 |
| LWA <sub>5</sub> [dB(A)]                                                                                            | Ansaugseite / inlet side   | -11                 | -9  | -8  | -7  | -7  | -10 | -17 |
| LWA <sub>6</sub> [dB(A)]                                                                                            | Ausblasseite / outlet side | -15                 | -9  | -7  | -4  | -8  | -13 | -22 |

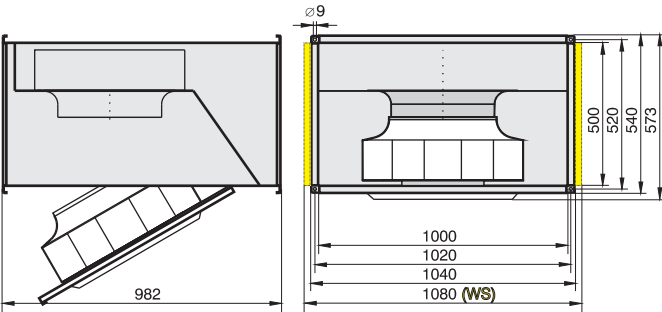
Schaltbild / Wiring diagram:



Zubehör / Accessories:



Maße / Dimensions: (alle Maße in mm / all dimensions in mm)

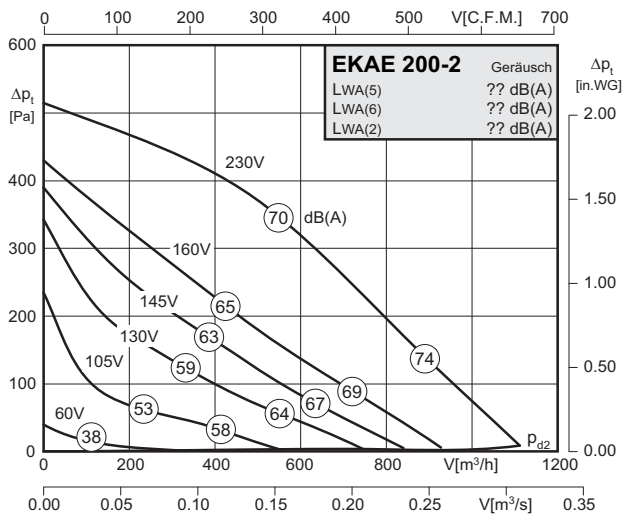




- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar

- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



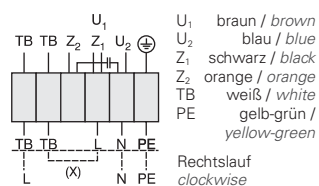
| Typ / Type: <b>EKA 200-2</b> |                        | Art.-Nr. / Art.-No.: <b>D00-20003</b> |        |
|------------------------------|------------------------|---------------------------------------|--------|
| U                            | 230V (50Hz)            | Δp <sub>fa</sub> min                  | - Pa   |
| P <sub>1</sub>               | 0.17 kW                | ΔI                                    | - %    |
| I <sub>N</sub>               | 0.76 A                 | I <sub>A</sub> / I <sub>N</sub>       | 1.8    |
| n                            | 2530 min <sup>-1</sup> | ⚠                                     | IP44   |
| C <sub>400V</sub>            | 5 μF                   | ⚡                                     | 01.024 |
| t <sub>R</sub>               | 60 °C                  | 🔥                                     | 9,5 kg |

### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

### Schaltbild / Wiring diagram:

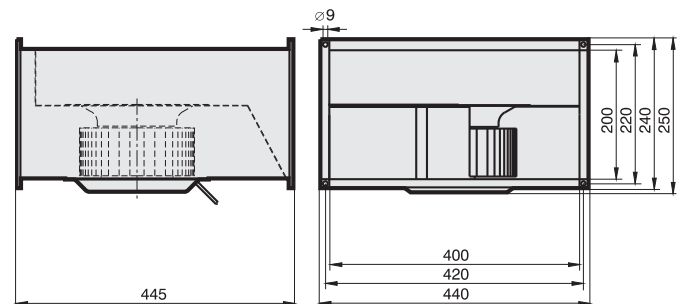
01.024



### Zubehör / Accessories:



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)

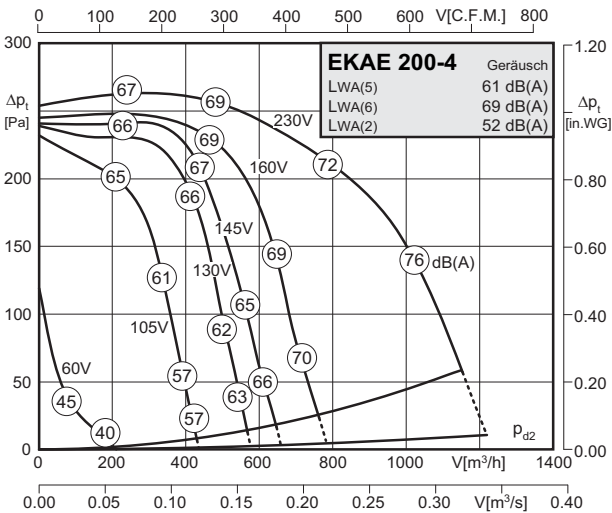


Kanalventilatoren (vorwärtsgekrümmt) / Duct Fans (forward curved)  
Baugröße / Size: 200

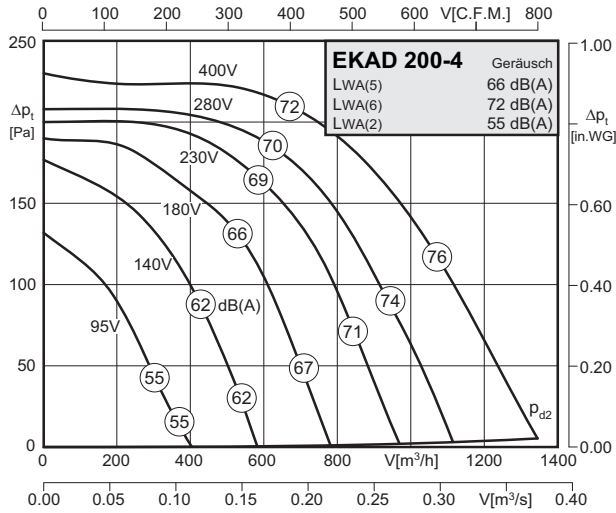


- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

Technische Daten / Technical Data:



| Typ / Type: EKA 200-4 |                        | Art.-Nr. / Art.-No.: D00-20000  |        |
|-----------------------|------------------------|---------------------------------|--------|
| U                     | 230V (50Hz)            | Δp <sub>fa</sub> min            | 50 Pa  |
| P <sub>1</sub>        | 0.29 kW                | ΔI                              | 10 %   |
| I <sub>N</sub>        | 1.25 A                 | I <sub>A</sub> / I <sub>N</sub> | 1.8    |
| n                     | 1260 min <sup>-1</sup> | ⚠                               | IP54   |
| C <sub>400v</sub>     | 6 μF                   | ★                               | 01.024 |
| t <sub>R</sub>        | 50 °C                  | 🔥                               | 13 kg  |



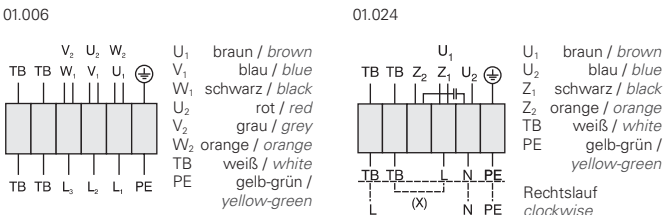
| Typ / Type: EKAD 200-4 |                        | Art.-Nr. / Art.-No.: D00-20050  |        |
|------------------------|------------------------|---------------------------------|--------|
| U                      | 400V (50Hz)            | Δp <sub>fa</sub> min            | – Pa   |
| P <sub>1</sub>         | 0.33 kW                | ΔI                              | – %    |
| I <sub>N</sub>         | 0.61 A                 | I <sub>A</sub> / I <sub>N</sub> | 2.0    |
| n                      | 1270 min <sup>-1</sup> | ⚠                               | IP54   |
| C <sub>400v</sub>      | – μF                   | ★                               | 01.006 |
| t <sub>R</sub>         | 60 °C                  | 🔥                               | 13 kg  |

Geräusche / Sound levels:

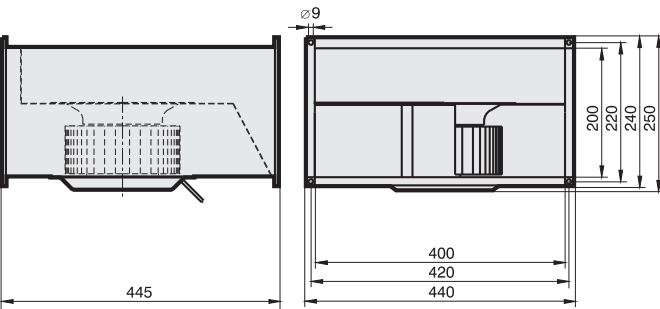
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

Schaltbild / Wiring diagram:



Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



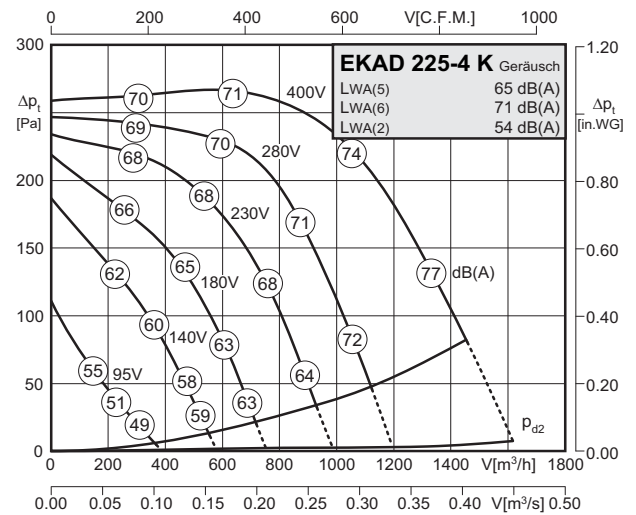
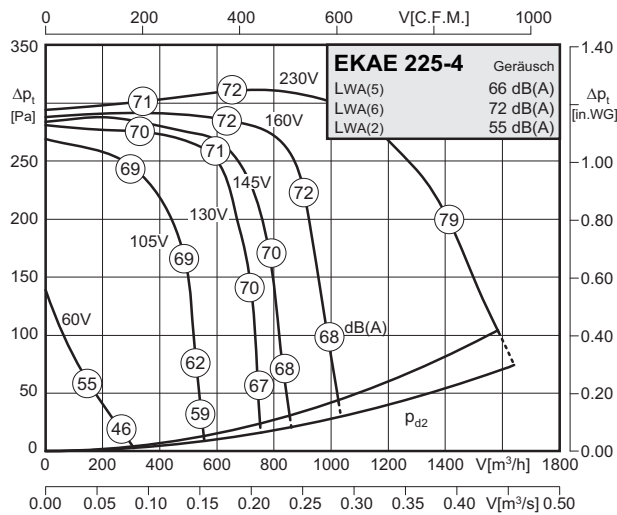
Zubehör / Accessories:





- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



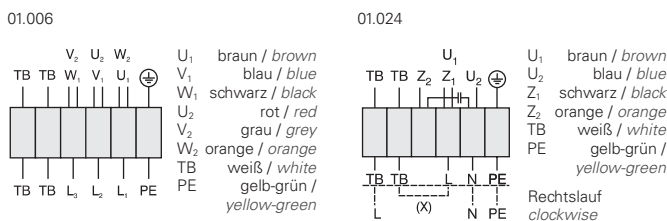
| Typ / Type: <b>EKA 225-4</b> |                        | Art.-Nr. / Art.-No.: D00-22500  |         |
|------------------------------|------------------------|---------------------------------|---------|
| U                            | 230V (50Hz)            | Δp <sub>fa</sub> min            | 35 Pa   |
| P <sub>1</sub>               | 0.49 kW                | ΔI                              | 11 %    |
| I <sub>N</sub>               | 2.20 A                 | I <sub>A</sub> / I <sub>N</sub> | 1.8     |
| n                            | 1220 min <sup>-1</sup> | ▲                               | IP54    |
| C <sub>400V</sub>            | 8 μF                   | ★                               | 01.024  |
| t <sub>R</sub>               | 40 °C                  | ■                               | 19,5 kg |

| Typ / Type: <b>EKAD 225-4 K</b> |                        | Art.-Nr. / Art.-No.: D00-22550  |        |
|---------------------------------|------------------------|---------------------------------|--------|
| U                               | 400V (50Hz)            | Δp <sub>fa</sub> min            | 75 Pa  |
| P <sub>1</sub>                  | 0.41 kW                | ΔI                              | – %    |
| I <sub>N</sub>                  | 0.68 A                 | I <sub>A</sub> / I <sub>N</sub> | 2.0    |
| n                               | 1150 min <sup>-1</sup> | ▲                               | IP54   |
| C <sub>400V</sub>               | – μF                   | ★                               | 01.006 |
| t <sub>R</sub>                  | 40 °C                  | ■                               | 18 kg  |

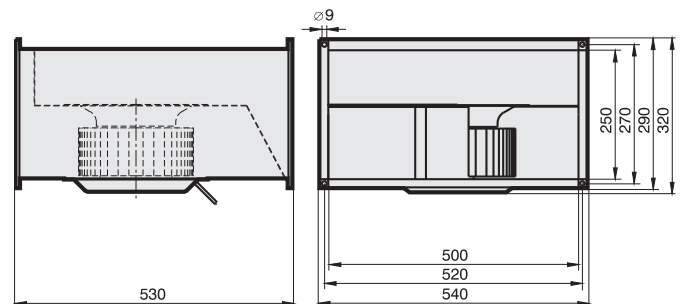
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

### Schaltbild / Wiring diagram:



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

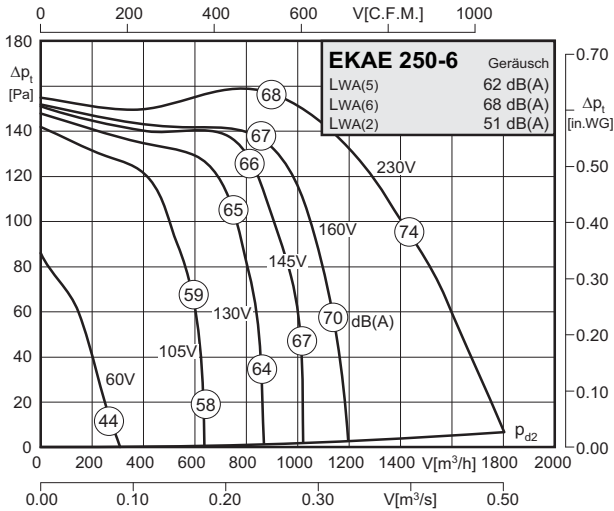
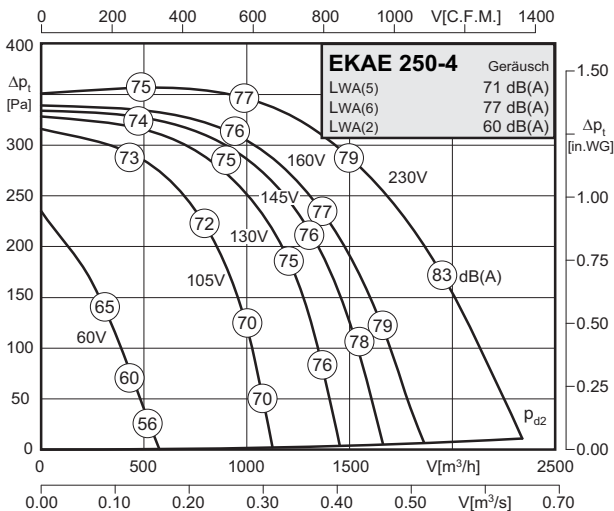


Kanalventilatoren (vorwärtsgekrümmt) / *Duct Fans (forward curved)*  
Baugröße / *Size: 250*



- schnelle Montage an DIN-Normflansch
  - vorwärtsgekrümmtes Laufrad
  - in allen Einbaulagen einsetzbar
  - kompakte, raumsparende Bauart
  - Isolierstoffklasse F
  - extrem geringer Anlaufstrom
  - Motorschutz durch Thermokontakte
  - transformatorisch steuerbar
- *easy installation (DIN standard flange)*
  - *forward curved impeller*
  - *can be installed in any position*
  - *compact and space saving design*
  - *insulation class F*
  - *extremely low starting currents*
  - *motor protection by thermal contacts*
  - *speed is variable using auto transformers*

Technische Daten / *Technical Data:*



| Typ / Type: <b>EKA 250-4</b> |                        | Art.-Nr. / Art.-No.: <b>D00-25000</b> |         |
|------------------------------|------------------------|---------------------------------------|---------|
| U                            | 230V (50Hz)            | Δp <sub>fa</sub> min                  | – Pa    |
| P <sub>1</sub>               | 0.73 kW                | ΔI                                    | 5 %     |
| I <sub>N</sub>               | 3.3 A                  | I <sub>A</sub> / I <sub>N</sub>       | 1.8     |
| n                            | 1250 min <sup>-1</sup> |                                       | IP54    |
| C <sub>400v</sub>            | 16 μF                  |                                       | 01.024  |
| t <sub>R</sub>               | 65 °C                  |                                       | 25,5 kg |

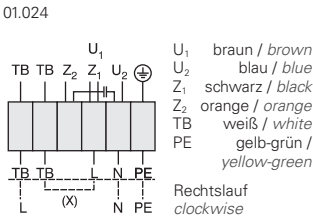
| Typ / Type: <b>EKA 250-6</b> |                       | Art.-Nr. / Art.-No.: <b>D00-25003</b> |        |
|------------------------------|-----------------------|---------------------------------------|--------|
| U                            | 230V (50Hz)           | Δp <sub>fa</sub> min                  | – Pa   |
| P <sub>1</sub>               | 0.32 kW               | ΔI                                    | – %    |
| I <sub>N</sub>               | 1.40 A                | I <sub>A</sub> / I <sub>N</sub>       | 1.6    |
| n                            | 820 min <sup>-1</sup> |                                       | IP54   |
| C <sub>400v</sub>            | 5 μF                  |                                       | 01.024 |
| t <sub>R</sub>               | 60 °C                 |                                       | 24 kg  |

Geräusche / *Sound levels:*

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10     | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17     | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22     | -13 | -7  | -6 | -5 | -7  | -15 |

Schaltbild / *Wiring diagram:*



Zubehör / *Accessories:*

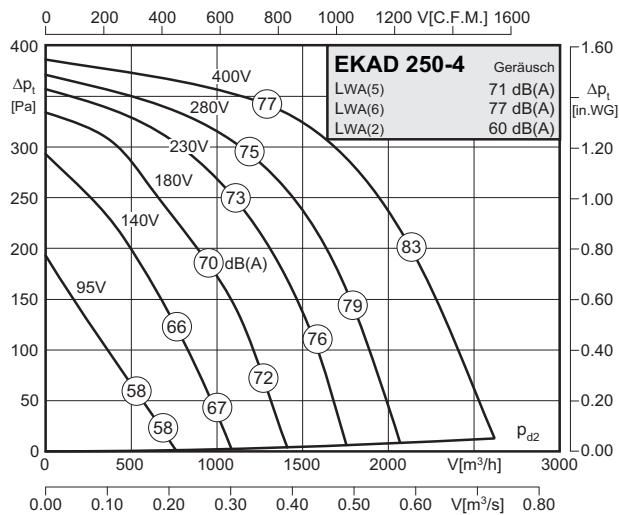




- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar

- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



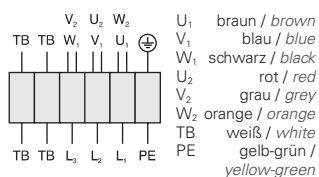
| Typ / Type: <b>EKAD 250-4</b> |                        | Art.-Nr. / Art.-No.: <b>D00-25050</b> |         |
|-------------------------------|------------------------|---------------------------------------|---------|
| U                             | 400V (50Hz)            | Δp <sub>fa min</sub>                  | — Pa    |
| P <sub>1</sub>                | 0.83 kW                | ΔI                                    | — %     |
| I <sub>N</sub>                | 1.55 A                 | I <sub>A</sub> / I <sub>N</sub>       | 2.2     |
| n                             | 1210 min <sup>-1</sup> | ▲                                     | IP54    |
| C <sub>400V</sub>             | — μF                   | ★                                     | 01.006  |
| t <sub>R</sub>                | 40 °C                  | ■                                     | 23,5 kg |

### Geräusche / Sound levels:

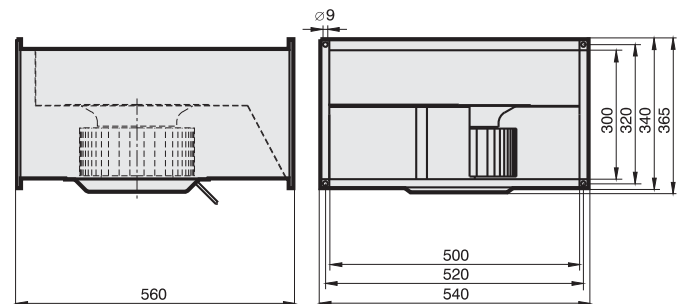
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

### Schaltbild / Wiring diagram:

01.006



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

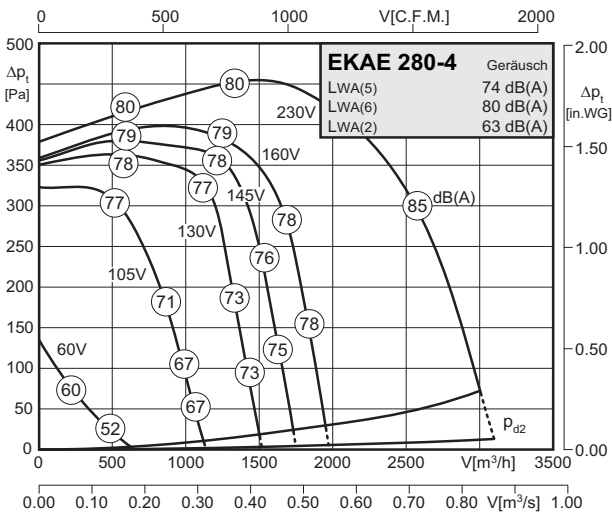


Kanalventilatoren (vorwärtsgekrümmt) / *Duct Fans (forward curved)*  
Baugröße / *Size: 280*



- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- *easy installation (DIN standard flange)*
- *forward curved impeller*
- *can be installed in any position*
- *compact and space saving design*
- *insulation class F*
- *extremely low starting currents*
- *motor protection by thermal contacts*
- *speed is variable using auto transformers*

Technische Daten / *Technical Data:*

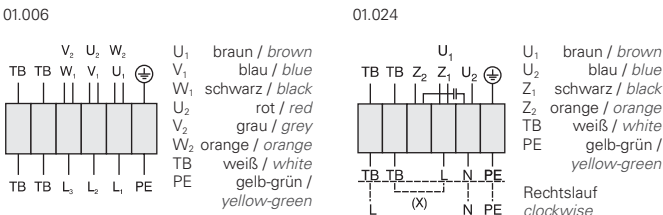


| Typ / Type: <b>EKA 280-4</b> |                        | Art.-Nr. / Art.-No.: <b>D00-28000</b> |        |
|------------------------------|------------------------|---------------------------------------|--------|
| U                            | 230V (50Hz)            | Δp <sub>fa</sub> min                  | 60 Pa  |
| P <sub>1</sub>               | 1.25 kW                | ΔI                                    | – %    |
| I <sub>N</sub>               | 5.8 A                  | I <sub>A</sub> / I <sub>N</sub>       | 1.3    |
| n                            | 1070 min <sup>-1</sup> | ⚠                                     | IP54   |
| C <sub>400v</sub>            | 20 μF                  | ★                                     | 01.024 |
| t <sub>R</sub>               | 40 °C                  | 🔌                                     | 28 kg  |

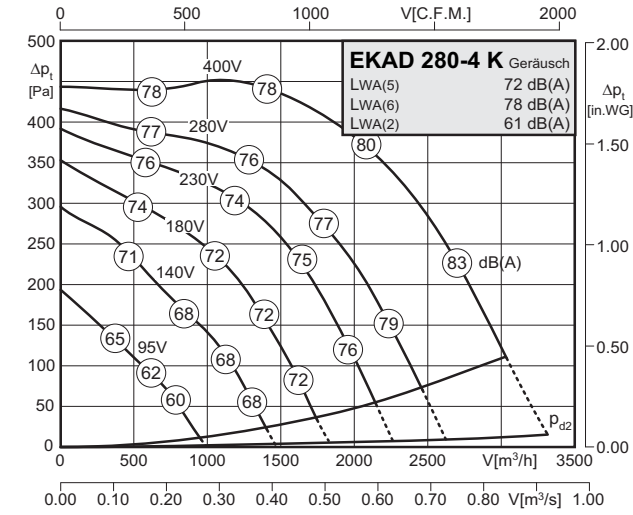
Geräusche / *Sound levels:*

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

Schaltbild / *Wiring diagram:*

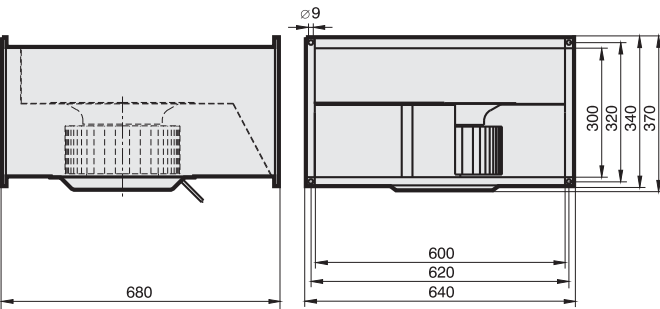


Zubehör / *Accessories:*



| Typ / Type: <b>EKAD 280-4 K</b> |                        | Art.-Nr. / Art.-No.: <b>D00-28050</b> |        |
|---------------------------------|------------------------|---------------------------------------|--------|
| U                               | 400V (50Hz)            | Δp <sub>fa</sub> min                  | 100 Pa |
| P <sub>1</sub>                  | 1.1 kW                 | ΔI                                    | – %    |
| I <sub>N</sub>                  | 2.0 A                  | I <sub>A</sub> / I <sub>N</sub>       | 2.4    |
| n                               | 1110 min <sup>-1</sup> | ⚠                                     | IP54   |
| C <sub>400v</sub>               | – μF                   | ★                                     | 01.006 |
| t <sub>R</sub>                  | 40 °C                  | 🔌                                     | 28 kg  |

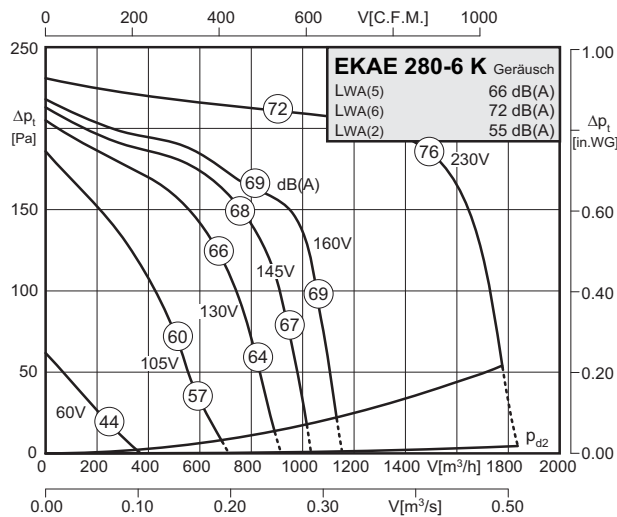
Maße / *Dimensions:* (alle Maße in mm / all dimensions in mm)



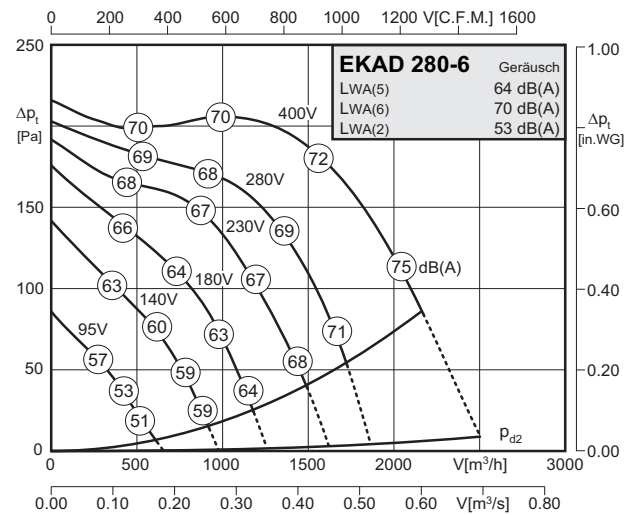


- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type: <b>EKAE 280-6 K</b> |                       | Art.-Nr. / Art.-No.: <b>D00-28003</b> |        |
|---------------------------------|-----------------------|---------------------------------------|--------|
| U                               | 230V (50Hz)           | Δp <sub>fa</sub> min                  | 50 Pa  |
| P <sub>1</sub>                  | 0.38 kW               | ΔI                                    | — %    |
| I <sub>N</sub>                  | 1.7 A                 | I <sub>A</sub> / I <sub>N</sub>       | 1.3    |
| n                               | 660 min <sup>-1</sup> | ▲                                     | IP54   |
| C <sub>400V</sub>               | 6 μF                  | ★                                     | 01.024 |
| t <sub>R</sub>                  | 40 °C                 | ■                                     | 25 kg  |



| Typ / Type: <b>EKAD 280-6</b> |                       | Art.-Nr. / Art.-No.: <b>D00-28053</b> |        |
|-------------------------------|-----------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)           | Δp <sub>fa</sub> min                  | 80 Pa  |
| P <sub>1</sub>                | 0.43 kW               | ΔI                                    | — %    |
| I <sub>N</sub>                | 0.75 A                | I <sub>A</sub> / I <sub>N</sub>       | 2.1    |
| n                             | 790 min <sup>-1</sup> | ▲                                     | IP54   |
| C <sub>400V</sub>             | — μF                  | ★                                     | 01.006 |
| t <sub>R</sub>                | 40 °C                 | ■                                     | 25 kg  |

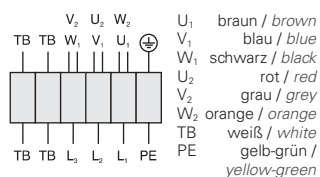
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10     | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17     | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22     | -13 | -7  | -6 | -5 | -7  | -15 |

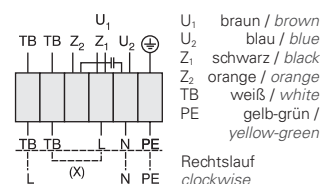
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10     | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17     | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22     | -13 | -7  | -6 | -5 | -7  | -15 |

### Schaltbild / Wiring diagram:

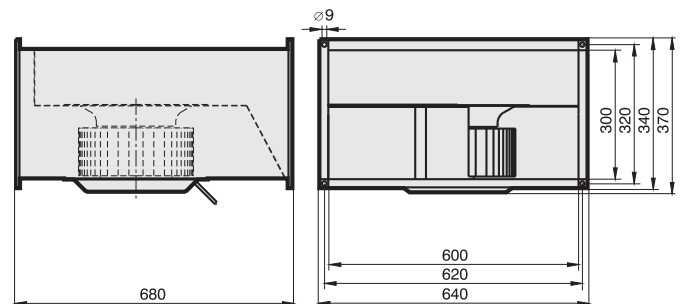
01.006



01.024



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

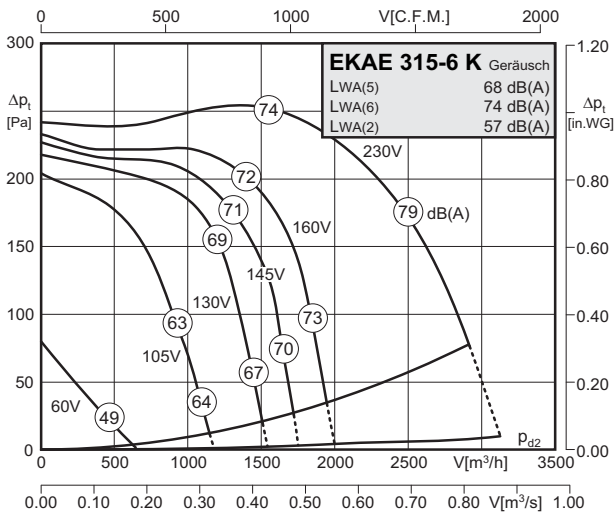


Kanalventilatoren (vorwärtsgekrümmt) / *Duct Fans (forward curved)*  
Baugröße / *Size: 315*

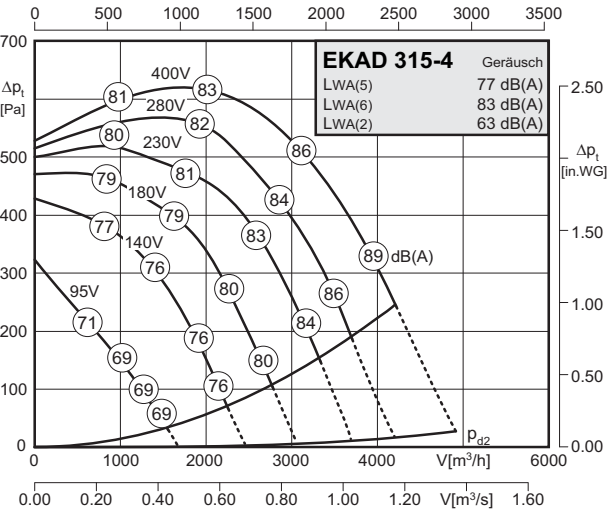


- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- *easy installation (DIN standard flange)*
- *forward curved impeller*
- *can be installed in any position*
- *compact and space saving design*
- *insulation class F*
- *extremely low starting currents*
- *motor protection by thermal contacts*
- *speed is variable using auto transformers*

Technische Daten / *Technical Data:*



| Typ / Type: <b>EKA 315-6 K</b> |                       | Art.-Nr. / Art.-No.: <b>D00-31500</b> |        |
|--------------------------------|-----------------------|---------------------------------------|--------|
| U                              | 230V (50Hz)           | Δp <sub>fa</sub> min                  | 65 Pa  |
| P <sub>1</sub>                 | 0.72 kW               | ΔI                                    | – %    |
| I <sub>N</sub>                 | 3.30 A                | I <sub>A</sub> / I <sub>N</sub>       | 1.5    |
| n                              | 730 min <sup>-1</sup> |                                       | IP54   |
| C <sub>400v</sub>              | 12 μF                 |                                       | 01.024 |
| t <sub>R</sub>                 | 40 °C                 |                                       | 34 kg  |



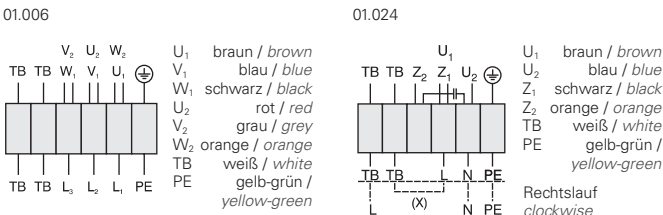
| Typ / Type: <b>EKAD 315-4</b> |                        | Art.-Nr. / Art.-No.: <b>D00-31550</b> |        |
|-------------------------------|------------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)            | Δp <sub>fa</sub> min                  | 230 Pa |
| P <sub>1</sub>                | 2.0 kW                 | ΔI                                    | – %    |
| I <sub>N</sub>                | 4.1 A                  | I <sub>A</sub> / I <sub>N</sub>       | 3.5    |
| n                             | 1320 min <sup>-1</sup> |                                       | IP54   |
| C <sub>400v</sub>             | – μF                   |                                       | 01.006 |
| t <sub>R</sub>                | 40 °C                  |                                       | 44 kg  |

Geräusche / *Sound levels:*

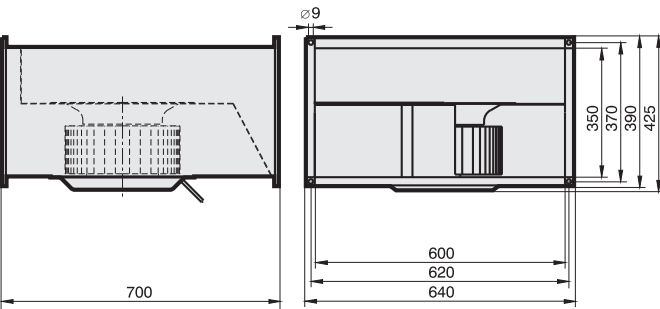
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10     | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17     | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22     | -13 | -7  | -6 | -5 | -7  | -15 |

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

Schaltbild / *Wiring diagram:*



Maße / *Dimensions:* (alle Maße in mm / all dimensions in mm)



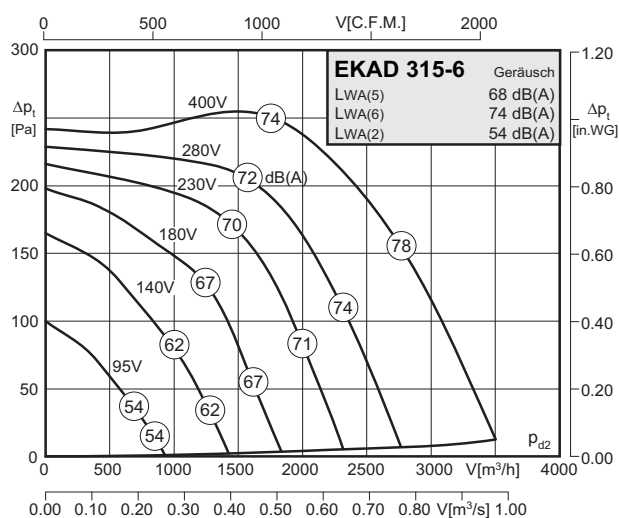
Zubehör / *Accessories:*





- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- *easy installation (DIN standard flange)*
- *forward curved impeller*
- *can be installed in any position*
- *compact and space saving design*
- *insulation class F*
- *extremely low starting currents*
- *motor protection by thermal contacts*
- *speed is variable using auto transformers*

## Technische Daten / *Technical Data*:



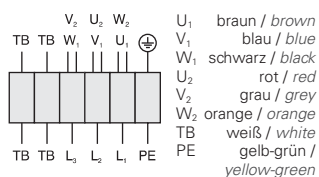
| Typ / Type : <b>EKAD 315-6</b> |                       | Art.-Nr. / Art.-No. : <b>D00-31553</b> |        |
|--------------------------------|-----------------------|----------------------------------------|--------|
| U                              | 400V (50Hz)           | Δp <sub>fa min</sub>                   | — Pa   |
| P <sub>1</sub>                 | 0.82 kW               | ΔI                                     | — %    |
| I <sub>N</sub>                 | 1.5 A                 | I <sub>A</sub> / I <sub>N</sub>        | 2.1    |
| n                              | 740 min <sup>-1</sup> | ▲                                      | IP54   |
| C <sub>400V</sub>              | — μF                  | ★                                      | 01.006 |
| t <sub>R</sub>                 | 45 °C                 | ■                                      | 36 kg  |

## Geräusche / *Sound levels*:

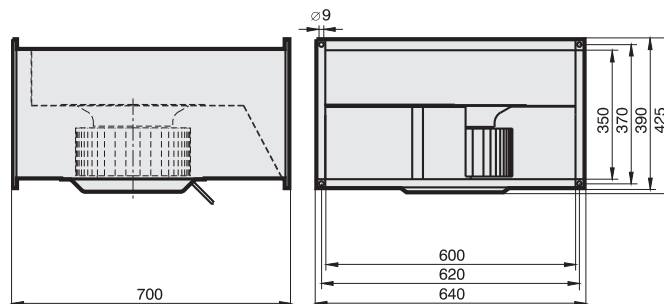
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | f <sub>M</sub> [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------------------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125                 | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / <i>casing 6-pole</i>                                                                              | -10                 | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / <i>inlet side 6-pole</i>                                                                      | -17                 | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / <i>outlet side 6-pole</i>                                                                    | -22                 | -13 | -7  | -6 | -5 | -7  | -15 |

## Schaltbild / *Wiring diagram*:

01.006



## Maße / *Dimensions*: (alle Maße in mm / *all dimensions in mm*)



## Zubehör / *Accessories*:

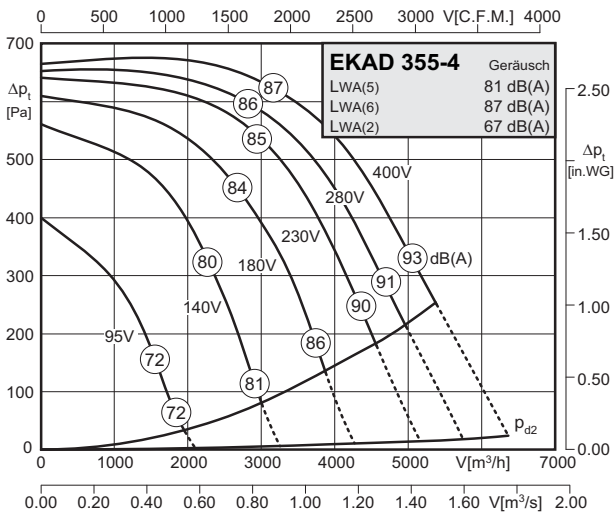


Kanalventilatoren (vorwärtsgekrümmt) / Duct Fans (forward curved)  
Baugröße / Size: 355

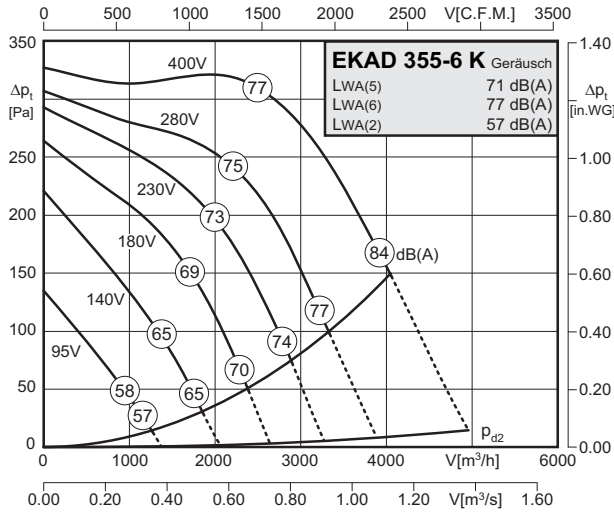


- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

Technische Daten / Technical Data:



| Typ / Type: <b>EKAD 355-4</b> |                        | Art.-Nr. / Art.-No.: <b>D00-35550</b> |        |
|-------------------------------|------------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)            | Δp <sub>fa</sub> min                  | 240 Pa |
| P <sub>1</sub>                | 3.2 kW                 | ΔI                                    | 12 %   |
| I <sub>N</sub>                | 5.8 A                  | I <sub>A</sub> / I <sub>N</sub>       | 5.2    |
| n                             | 1405 min <sup>-1</sup> | ⚠                                     | IP54   |
| C <sub>400v</sub>             | – μF                   | ✱                                     | 01.006 |
| t <sub>R</sub>                | 40 °C                  | 🔌                                     | 58 kg  |



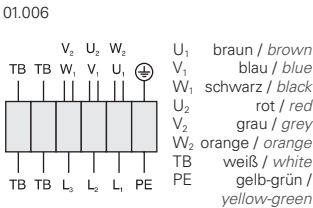
| Typ / Type: <b>EKAD 355-6 K</b> |                       | Art.-Nr. / Art.-No.: <b>D00-35553</b> |        |
|---------------------------------|-----------------------|---------------------------------------|--------|
| U                               | 400V (50Hz)           | Δp <sub>fa</sub> min                  | 140 Pa |
| P <sub>1</sub>                  | 1.15 kW               | ΔI                                    | – %    |
| I <sub>N</sub>                  | 2.20 A                | I <sub>A</sub> / I <sub>N</sub>       | 2.4    |
| n                               | 810 min <sup>-1</sup> | ⚠                                     | IP54   |
| C <sub>400v</sub>               | – μF                  | ✱                                     | 01.006 |
| t <sub>R</sub>                  | 40 °C                 | 🔌                                     | 50 kg  |

Geräusche / Sound levels:

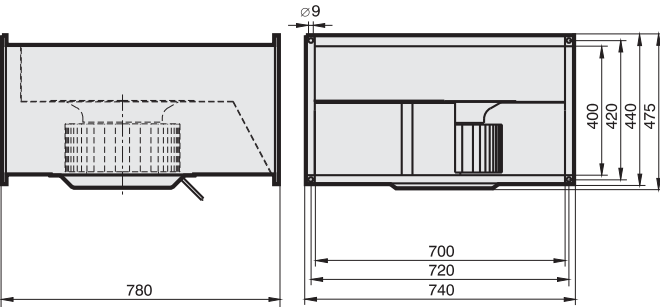
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10     | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17     | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22     | -13 | -7  | -6 | -5 | -7  | -15 |

Schaltbild / Wiring diagram:



Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



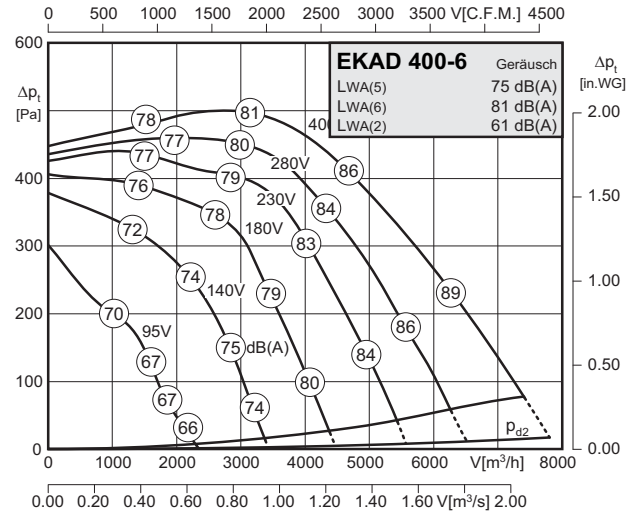
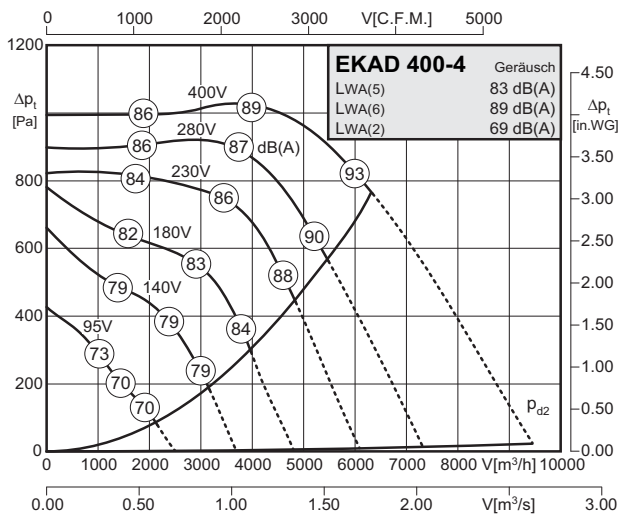
Zubehör / Accessories:





- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type: <b>EKAD 400-4</b> |                        | Art.-Nr. / Art.-No.: <b>D00-40050</b> |        |
|-------------------------------|------------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)            | Δp <sub>fa</sub> min                  | 750 Pa |
| P <sub>1</sub>                | 4.25 kW                | ΔI                                    | 15 %   |
| I <sub>N</sub>                | 7.30 A                 | I <sub>A</sub> / I <sub>N</sub>       | 4.0    |
| n                             | 1345 min <sup>-1</sup> | ▲                                     | IP54   |
| C <sub>400V</sub>             | – μF                   | ★                                     | 01.006 |
| t <sub>R</sub>                | 40 °C                  | ■                                     | 86 kg  |

| Typ / Type: <b>EKAD 400-6</b> |                       | Art.-Nr. / Art.-No.: <b>D00-40051</b> |        |
|-------------------------------|-----------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)           | Δp <sub>fa</sub> min                  | 50 Pa  |
| P <sub>1</sub>                | 2.8 kW                | ΔI                                    | 10 %   |
| I <sub>N</sub>                | 5.4 A                 | I <sub>A</sub> / I <sub>N</sub>       | 3.3    |
| n                             | 865 min <sup>-1</sup> | ▲                                     | IP54   |
| C <sub>400V</sub>             | – μF                  | ★                                     | 01.006 |
| t <sub>R</sub>                | 40 °C                 | ■                                     | 82 kg  |

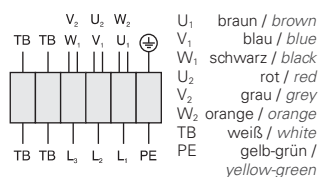
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|-----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K  | 4K  | 8K  |
| Gehäuse 4-polig / casing 4-pole                                                                                     | -5      | -7  | -9  | -7 | -12 | -17 | -24 |
| Ansaugseite 4-polig / inlet side 4-pole                                                                             | -13     | -15 | -6  | -5 | -7  | -9  | -18 |
| Ausblasseite 4-polig / outlet side 4-pole                                                                           | -16     | -14 | -8  | -5 | -6  | -7  | -17 |

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | fM [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125     | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10     | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17     | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22     | -13 | -7  | -6 | -5 | -7  | -15 |

### Schaltbild / Wiring diagram:

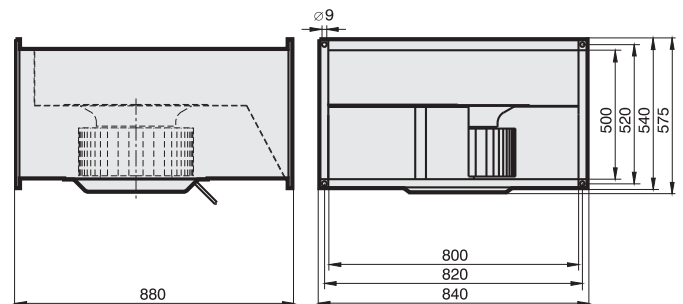
01.006



### Zubehör / Accessories:



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)

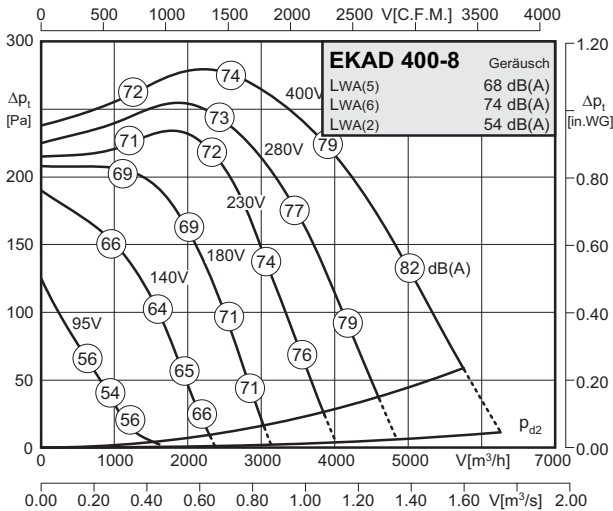


Kanalventilatoren (vorwärtsgekrümmt) / *Duct Fans (forward curved)*  
Baugröße / *Size: 400*



- schnelle Montage an DIN-Normflansch
  - vorwärtsgekrümmtes Laufrad
  - in allen Einbaulagen einsetzbar
  - kompakte, raumsparende Bauart
  - Isolierstoffklasse F
  - extrem geringer Anlaufstrom
  - Motorschutz durch Thermokontakte
  - transformatorisch steuerbar
- *easy installation (DIN standard flange)*
  - *forward curved impeller*
  - *can be installed in any position*
  - *compact and space saving design*
  - *insulation class F*
  - *extremely low starting currents*
  - *motor protection by thermal contacts*
  - *speed is variable using auto transformers*

Technische Daten / *Technical Data:*



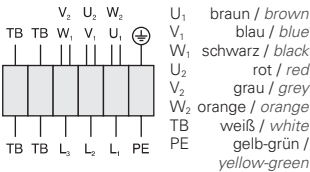
| Typ / Type : <b>EKAD 400-8</b> |                       | Art.-Nr. / Art.-No. : <b>D00-40052</b> |        |
|--------------------------------|-----------------------|----------------------------------------|--------|
| U                              | 400V (50Hz)           | Δp <sub>fa</sub> min                   | 50 Pa  |
| P <sub>1</sub>                 | 1.4 kW                | ΔI                                     | – %    |
| I <sub>N</sub>                 | 3.0 A                 | I <sub>A</sub> / I <sub>N</sub>        | 2.6    |
| n                              | 635 min <sup>-1</sup> |                                        | IP54   |
| C <sub>400V</sub>              | – μF                  |                                        | 01.006 |
| t <sub>R</sub>                 | 40 °C                 |                                        | 75 kg  |

Geräusche / *Sound levels:*

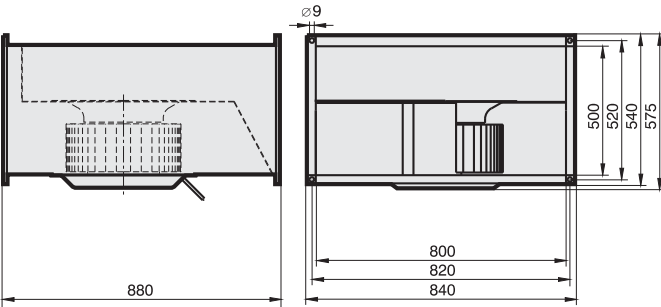
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | f <sub>M</sub> [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|---------------------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125                 | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / <i>casing 6-pole</i>                                                                              | -10                 | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / <i>inlet side 6-pole</i>                                                                      | -17                 | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / <i>outlet side 6-pole</i>                                                                    | -22                 | -13 | -7  | -6 | -5 | -7  | -15 |

Schaltbild / *Wiring diagram:*

01.006



Maße / *Dimensions:* (alle Maße in mm / *all dimensions in mm*)



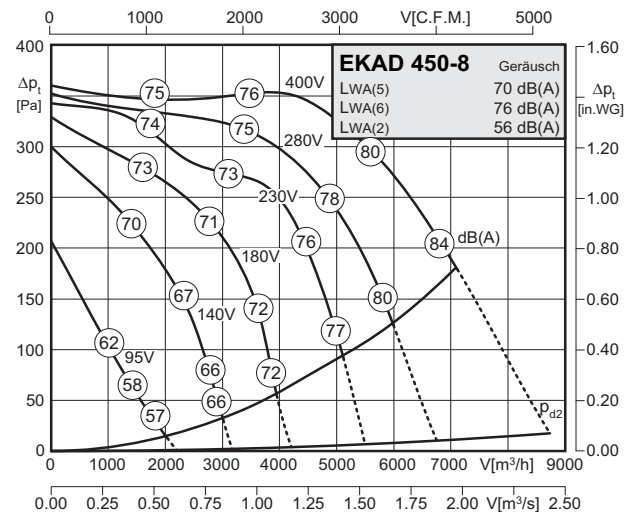
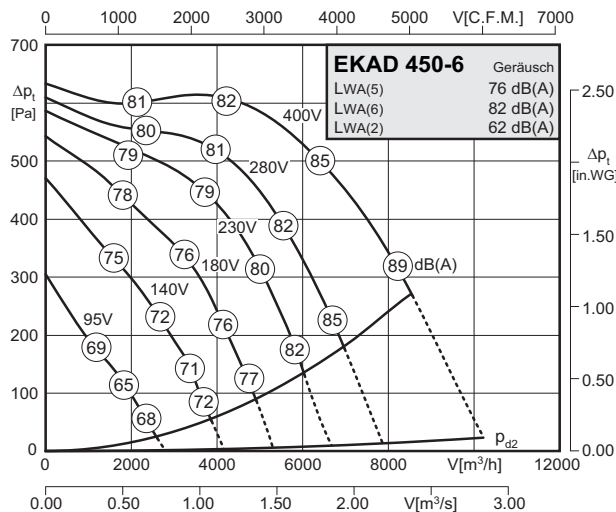
Zubehör / *Accessories:*





- schnelle Montage an DIN-Normflansch
- vorwärtsgekrümmtes Laufrad
- in allen Einbaulagen einsetzbar
- kompakte, raumsparende Bauart
- Isolierstoffklasse F
- extrem geringer Anlaufstrom
- Motorschutz durch Thermokontakte
- transformatorisch steuerbar
- easy installation (DIN standard flange)
- forward curved impeller
- can be installed in any position
- compact and space saving design
- insulation class F
- extremely low starting currents
- motor protection by thermal contacts
- speed is variable using auto transformers

### Technische Daten / Technical Data:



| Typ / Type: <b>EKAD 450-6</b> |                       | Art.-Nr. / Art.-No.: <b>D00-45050</b> |        |
|-------------------------------|-----------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)           | Δp <sub>fa</sub> min                  | 250 Pa |
| P <sub>1</sub>                | 3.5 kW                | ΔI                                    | 2 %    |
| I <sub>N</sub>                | 6.90 A                | I <sub>A</sub> / I <sub>N</sub>       | 3.2    |
| n                             | 845 min <sup>-1</sup> | ▲                                     | IP54   |
| C <sub>400V</sub>             | – μF                  | ★                                     | 01.006 |
| t <sub>R</sub>                | 40 °C                 | ■                                     | 97 kg  |

| Typ / Type: <b>EKAD 450-8</b> |                       | Art.-Nr. / Art.-No.: <b>D00-45051</b> |        |
|-------------------------------|-----------------------|---------------------------------------|--------|
| U                             | 400V (50Hz)           | Δp <sub>fa</sub> min                  | 170 Pa |
| P <sub>1</sub>                | 2.0 kW                | ΔI                                    | 5 %    |
| I <sub>N</sub>                | 3.9 A                 | I <sub>A</sub> / I <sub>N</sub>       | 3.2    |
| n                             | 650 min <sup>-1</sup> | ▲                                     | IP54   |
| C <sub>400V</sub>             | – μF                  | ★                                     | 01.006 |
| t <sub>R</sub>                | 40 °C                 | ■                                     | 85 kg  |

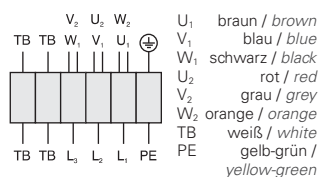
### Geräusche / Sound levels:

| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | f [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|--------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125    | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10    | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17    | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22    | -13 | -7  | -6 | -5 | -7  | -15 |

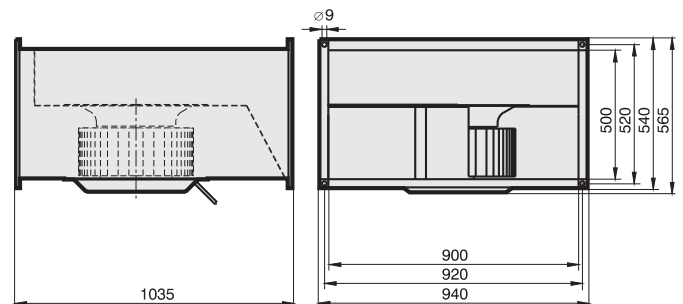
| LWA <sub>rel</sub> A-bewertet bei V=0,5*V <sub>max</sub><br>LWA <sub>rel</sub> A-weighted at V=0,5*V <sub>max</sub> | f [Hz] |     |     |    |    |     |     |
|---------------------------------------------------------------------------------------------------------------------|--------|-----|-----|----|----|-----|-----|
|                                                                                                                     | 125    | 250 | 500 | 1K | 2K | 4K  | 8K  |
| Gehäuse 6-polig / casing 6-pole                                                                                     | -10    | -9  | -4  | -7 | -9 | -14 | -21 |
| Ansaugseite 6-polig / inlet side 6-pole                                                                             | -17    | -15 | -7  | -6 | -6 | -7  | -14 |
| Ausblasseite 6-polig / outlet side 6-pole                                                                           | -22    | -13 | -7  | -6 | -5 | -7  | -15 |

### Schaltbild / Wiring diagram:

01.006



### Maße / Dimensions: (alle Maße in mm / all dimensions in mm)



### Zubehör / Accessories:

