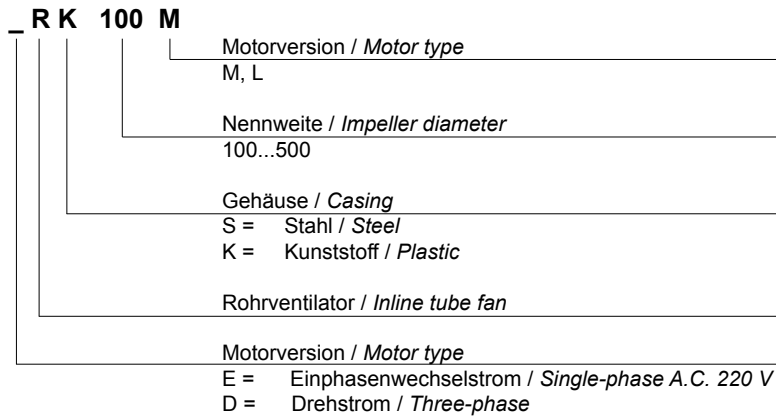


### Fan type code

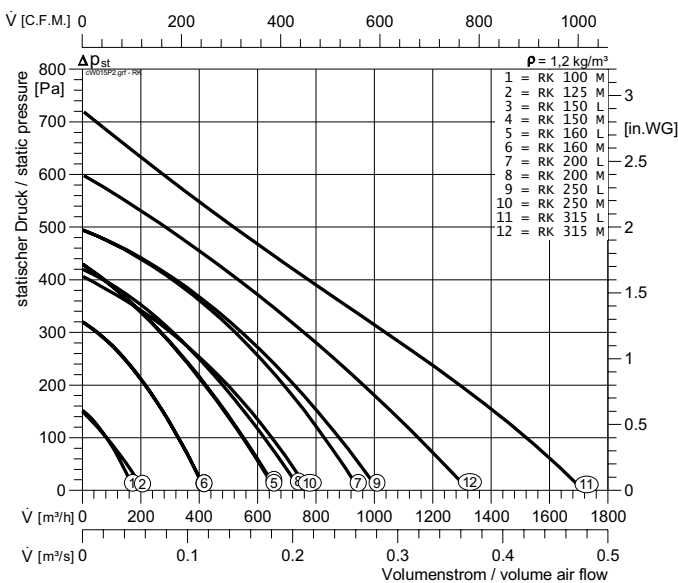
### Typenschlüssel



2

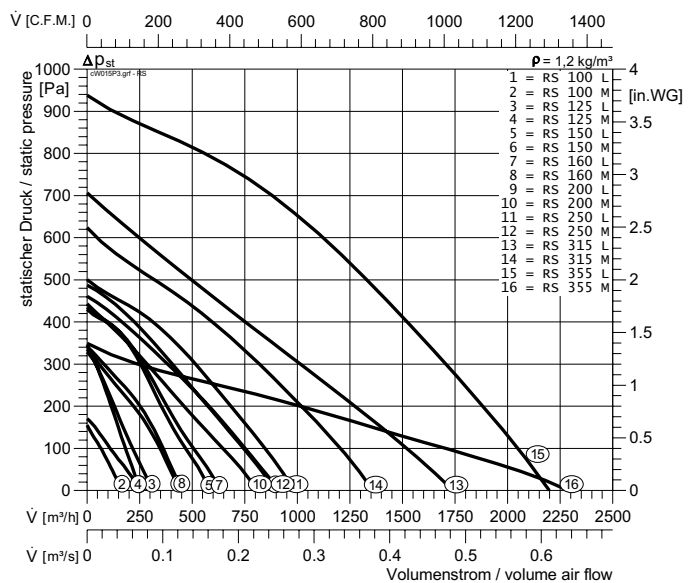
### Schnellauswahl

#### RK

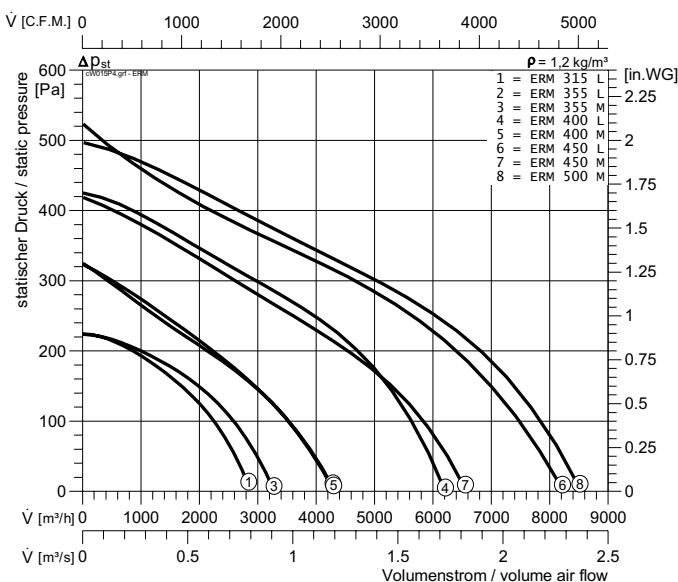


### Quick selection

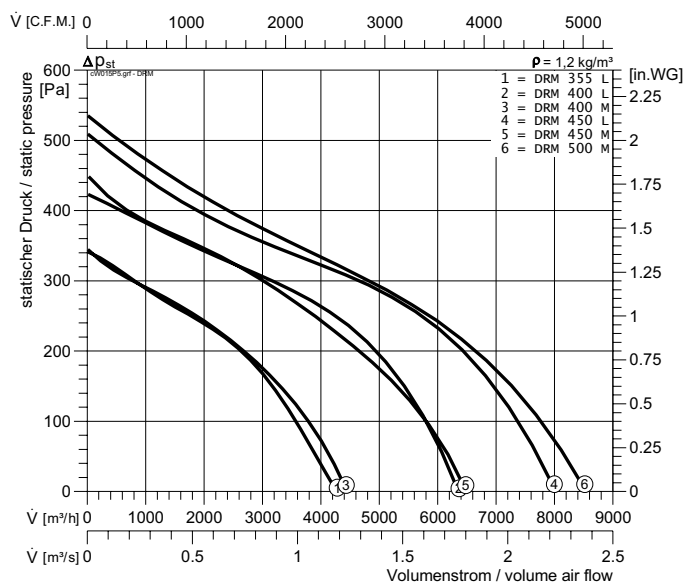
#### RS



#### ERM



#### DRM





RS, RK

### Eigenschaften und Ausführung

Rohrventilatoren vereinen die Vorteile des Axialventilators - gerade Durchströmung und einfache Montage - mit der hohen Druckstabilität, niedrigem Schallniveau und ausgezeichnetem Wirkungsgrad des Radialventilators.

#### Gehäuse

##### Kunststoff-Ausführung:

Die Größen RK 100 - 315 haben ein formschönes, schlagfestes, schwer entflammables, hellgraues Kunststoffgehäuse mit integriertem Klemmkasten in Schutzart IP44 und Nachleitwerk.

##### Stahl-Ausführung:

Die Größen RS 100 - 355 und ERM / DRM 315 - 500 haben ein pulverbeschichtetes Gehäuse aus Stahlblech.

#### Laufrad

Es werden rückwärts gekrümmte Radiallaufräder aus Stahlblech eingesetzt.

Die Laufräder sind direkt auf die Rotoren der Außenläufermotoren aufgebaut und zusammen mit diesen entsprechend Gütestufe G 2,5 nach DIN ISO 1940 auf zwei Ebenen gewuchtet.

#### Motor

Der Antrieb erfolgt durch einen im Radialrad eingebauten Außenläufermotor der Schutzart IP 44. Die elektrische Ausführung entspricht der VDE 0530, Isolierstoffklasse B mit zusätzlicher Feuchtschutzimprägnierung. Ab Größe RK 150 mit Temperaturwächler in der Wicklung verschaltet. Die Lieferung erfolgt montagebereit in Einzelkartons.

#### Elektrischer Anschluss

Die Motoren sind auf einen außen am Gehäuse angebrachten Klemmkasten verdrahtet.

### Luftleistungskennlinien

Die Kennlinien für diese Typenreihe wurden in Einbauart B (frei ansaugend, druckseitig abgeschlossen) aufgenommen und zeigen die statische Druckerhöhung  $\Delta p_{st}$  als Funktion des Volumenstroms. Der dynamische Druck  $p_{o2}$  ist auf den Flanschquerschnitt am Ventilatoraustritt bezogen.

### Schallentwicklung

Die Ermittlung der Schalleistungspegel erfolgt nach dem Hüllflächenverfahren nach DIN 45 635, Teil 38.

In den Kennlinien ist der A-bewertete Freiblas-Schalleistungspegel  $L_{WA6}$  nach DIN 45635, Teil 38 angegeben. Der A-bewertete Freiansaug-Schalleistungspegel  $L_{WA5}$  nach DIN 45 635, Teil 38 wird wie folgt ermittelt:

$$L_{WA5} = L_{WA6} - 3 \text{ dB(A)}$$

Der für die Auslegung von Schalldämpfern maßgebende Schalleistungspegel in den einzelnen Oktavbereichen kann aus folgender Formel ermittelt werden:

$$L_{WAOKt} = L_{WA6} + L_{WArel}$$

Die relativen Oktav-Schalleistungspegel  $L_{WArel}$  bei den Oktav-Mittelfrequenzen sind den Tabellen des Ventilators zu entnehmen. Sie sind bei  $0,5 \times V_{max}$  ermittelt worden.

Den A-bewerteten Schalldruckpegel  $L_{pA}$  in 1m Abstand erhält man annähernd, indem man vom A-Schalleistungspegel  $L_{WA}$  7 dB (A) abzieht.

Zu beachten ist, dass Reflexionen und Raumcharakteristik sowie Eigenfrequenzen die Größe des Schalldruckpegels unterschiedlich beeinflussen.

### Design features

Tube fans unite the advantages of the axial fan - straight airflow and easy installation - with the high pressure stability, low noise level and high efficiency of centrifugal fans.

#### Casing

##### Plastic casing:

The housing of the RK tube fans is made of a sturdy and flame retardant light grey plastic material and is fitted with an integrated terminal box and guide vane.

##### Steel casing:

Casings of sizes RS 100-355 and ERM / DRM 315 - 500 are made of powder coated sheet metal.

#### Impeller

Backward-curved centrifugal impellers made of sheet steel or plastic. The impellers are fitted directly onto the external rotor motor. The motorized impeller unit is balanced in two planes to quality level G 2.5 (DIN ISO 1940).

#### Motor

WOLTER tube fans are driven by an external rotor motor of protection class IP 44, fitted within the radial impeller. The electrical connection is according to VDE 0530, insulation material class B with additional moisture impregnation. From size RK 150 up to size 315, all units are equipped with thermal contacts inserted in the motor winding. Fans are delivered ready for installation in individual boxes.

#### Electrical connection

The motors are wired to an external terminal box.

### Fan performance curves

The performance curves for these fan types have been established in mounting position B (connected on the pressure side and open on the suction side) and show the static pressure rise  $\Delta p_{st}$  in reference to the volume air flow. The given dynamic pressure  $p_{o2}$  refers to the flange cross-sectional area at the outlet side of the fan.

### Sound levels

The ascertaining of the sound level follows the enveloping surface method according to DIN 45 635 section 38.

The data tables show the A-weighted sound power level  $L_{WA6}$  at the outlet side, unducted, in decibel figures.

The A-weighted sound power level at the inlet side  $L_{WA5}$  according to DIN 45 635, part 38, is obtained as follows:

$$L_{WA5} = L_{WA6} - 3 \text{ dB(A)}$$

The octave sound power level is important for the choice of suitable sound attenuators. It is obtained as follows.

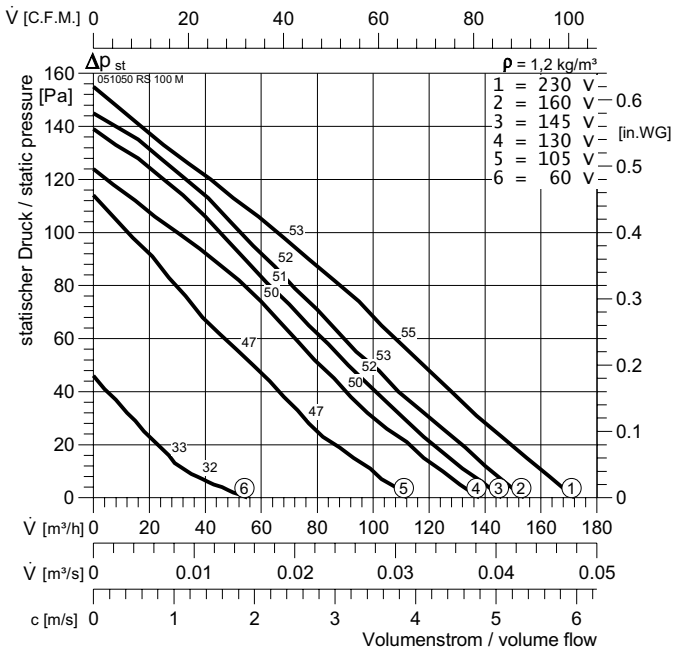
$$L_{WAOKt} = L_{WA6} + L_{WArel}$$

The relative octave sound power level  $L_{WArel}$  at octave medium frequency can be taken from the tables at respective fan. These levels has been established at  $0,5 \times V_{max}$ .

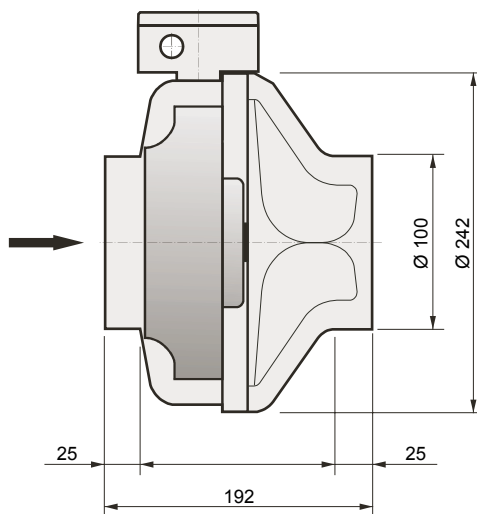
The A-weighted sound pressure level  $L_{pA}$  at a distance of 1 metre is obtained approximately by deducting 7 dB(A) from the A-weighted sound power level  $L_{WA}$ .

It is important to note that reflexion and room characteristics as well as natural frequencies differently influence the sound pressure levels.

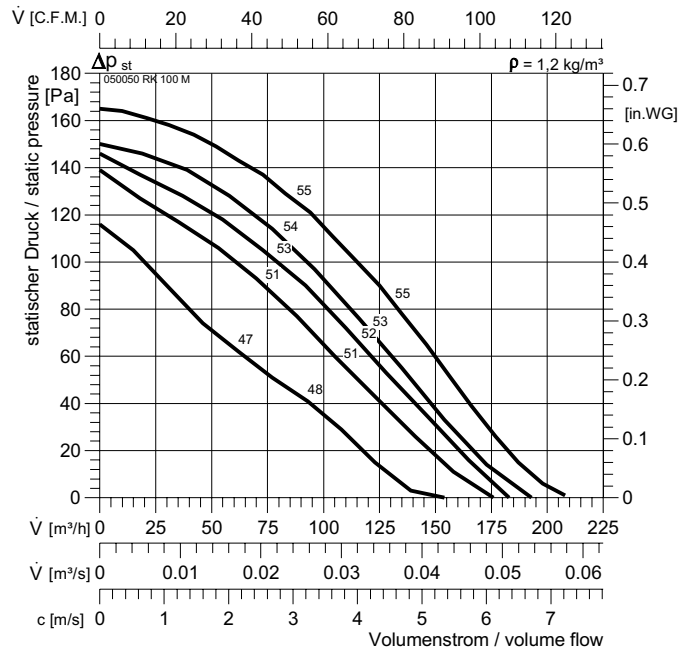
## RS 100 M



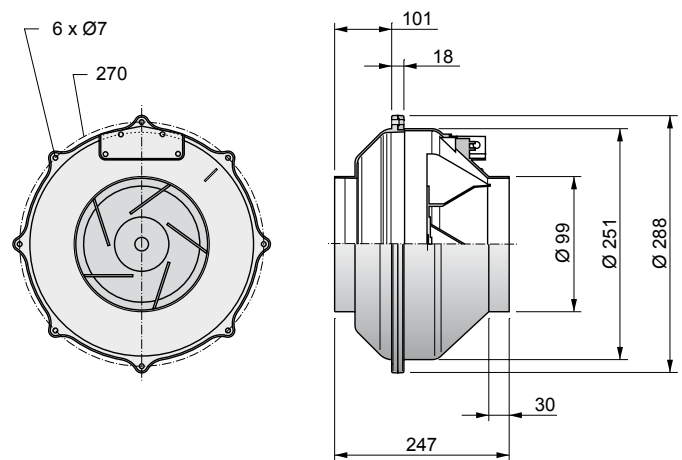
| Typ :                     | RS 100 M               | ⚠ | IP 44    | $L_{WA\ rel}$<br>ΔdB | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|---------------------------|------------------------|---|----------|----------------------|-----------|-----------|-----------|
| ArtNr :                   | 051050                 | ★ | E11      | $L_{WA\ tot}$        | -15       | -1        | 0         |
| :                         | 2,1 kg                 | : | GS 1     | 125 Hz               | -24       | -15       | -15       |
| <b>U :</b>                | 230 V 50 Hz            | : | NE 1,5   | 250 Hz               | -21       | -7        | -8        |
| <b>P<sub>1</sub> :</b>    | 0,023 kW               | : | RPE 02 A | 500 Hz               | -22       | -6        | -5        |
| <b>I<sub>N</sub> :</b>    | 0,11 A                 |   |          | 1 kHz                | -22       | -7        | -5        |
| <b>n :</b>                | 2695 min <sup>-1</sup> |   |          | 2 kHz                | -22       | -10       | -8        |
| <b>C<sub>400V</sub> :</b> | 1 μF                   |   |          | 4 kHz                | -31       | -19       | -16       |
| <b>t<sub>R</sub> :</b>    | 70 °C                  |   |          | 8 kHz                | -36       | -28       | -26       |



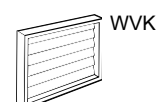
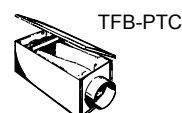
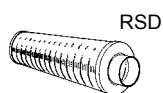
## RK 100 M



| Typ :                     | RK 100 M               | ⚠ | IP44   | $L_{WA\ rel}$<br>ΔdB | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|---------------------------|------------------------|---|--------|----------------------|-----------|-----------|-----------|
| ArtNr :                   | 050050                 | ★ | E11    | $L_{WA\ tot}$        | -17       | -1        | 0         |
| :                         | 1,95 kg                | : | GS 1   | 125 Hz               | -35       | -15       | -14       |
| <b>U :</b>                | 230 V 50 Hz            | : | NE 0,5 | 250 Hz               | -27       | -3        | -2        |
| <b>P<sub>1</sub> :</b>    | 0,023 kW               | : | RPE 02 | 500 Hz               | -22       | -7        | -6        |
| <b>I<sub>N</sub> :</b>    | 0,11 A                 |   |        | 1 kHz                | -24       | -10       | -9        |
| <b>n :</b>                | 2695 min <sup>-1</sup> |   |        | 2 kHz                | -25       | -16       | -15       |
| <b>C<sub>400V</sub> :</b> | 1 μF                   |   |        | 4 kHz                | -29       | -23       | -22       |
| <b>t<sub>R</sub> :</b>    | 70 °C                  |   |        | 8 kHz                | -34       | -31       | -30       |



Zubehör Seite / Accessories page 70-73

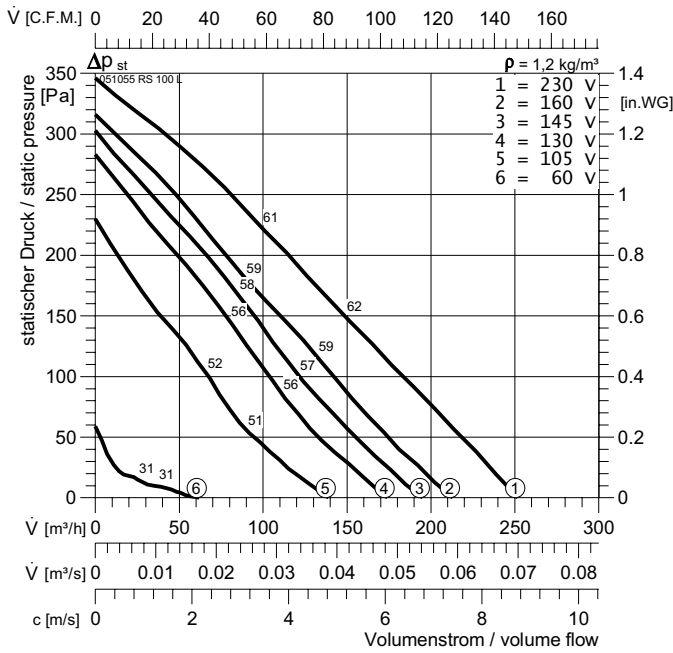




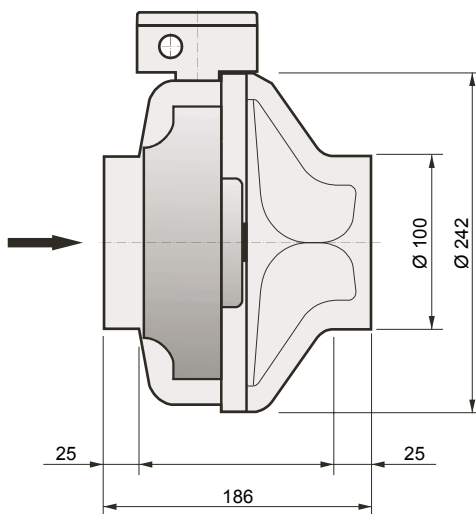
RS, RK



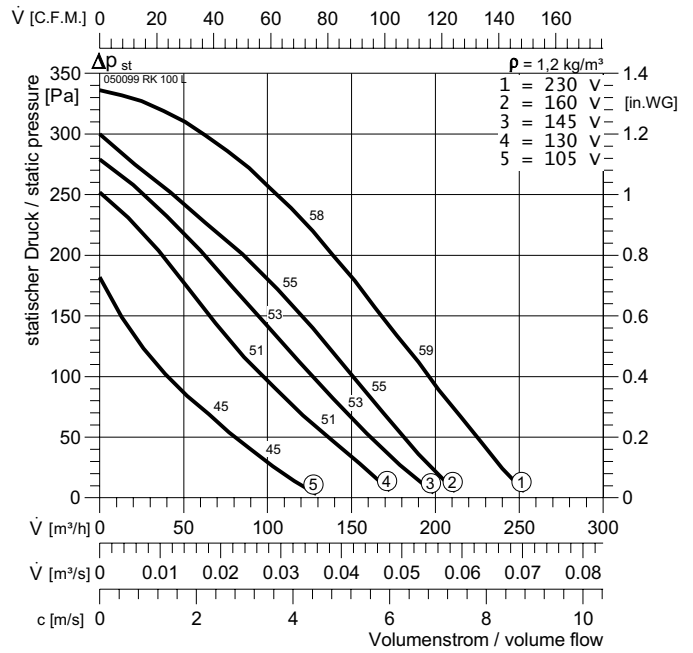
## RS 100 L



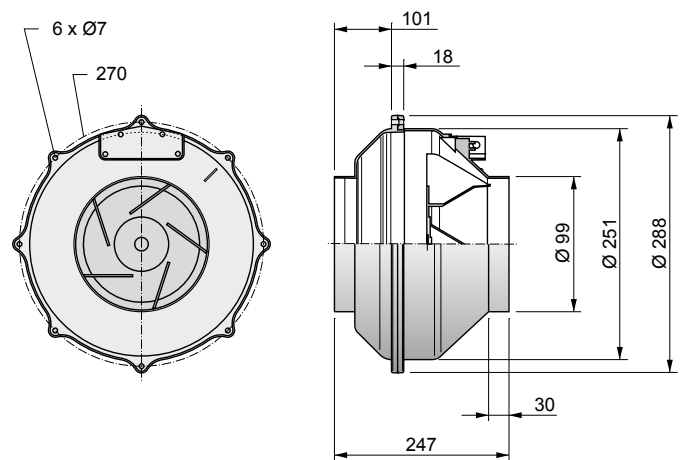
| Typ :        | RS 100 L               | IP 44  | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|--------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 051055                 | E11    | $L_{WA \text{ tot}}$                  | -14       | 0         | 0         |
| $\square$ :  | 3,3 kg                 | GS 1   | 125 Hz                                | -26       | -17       | -18       |
| U :          | 230 V 50 Hz            | NE 0,5 | 250 Hz                                | -20       | -9        | -8        |
| $P_1$ :      | 0,065 kW               | RPE 02 | 500 Hz                                | -21       | -6        | -6        |
| $I_N$ :      | 0,30 A                 |        | 1 kHz                                 | -20       | -5        | -5        |
| n :          | 2470 min <sup>-1</sup> |        | 2 kHz                                 | -21       | -8        | -7        |
| $C_{400V}$ : | 2 $\mu\text{F}$        |        | 4 kHz                                 | -29       | -11       | -12       |
| $t_R$ :      | 70 °C                  |        | 8 kHz                                 | -36       | -21       | -22       |



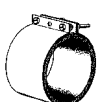
## RK 100 L



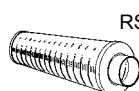
| Typ :        | RK 100 L               | IP44     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 050099                 | E11      | $L_{WA \text{ tot}}$                  | -17       | -1        | 0         |
| $\square$ :  | 1,95 kg                | GS 1     | 125 Hz                                | -35       | -15       | -14       |
| U :          | 230 V 50 Hz            | NE 0,5   | 250 Hz                                | -27       | -3        | -2        |
| $P_1$ :      | 0,058 kW               | RPE 02 A | 500 Hz                                | -22       | -7        | -6        |
| $I_N$ :      | 0,26 A                 |          | 1 kHz                                 | -24       | -10       | -9        |
| n :          | 2670 min <sup>-1</sup> |          | 2 kHz                                 | -25       | -16       | -15       |
| $C_{400V}$ : | 2 $\mu\text{F}$        |          | 4 kHz                                 | -29       | -23       | -22       |
| $t_R$ :      | 70 °C                  |          | 8 kHz                                 | -34       | -31       | -30       |



Zubehör Seite / Accessories page 70-73



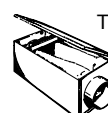
RSV



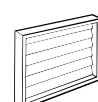
RSD



RVK

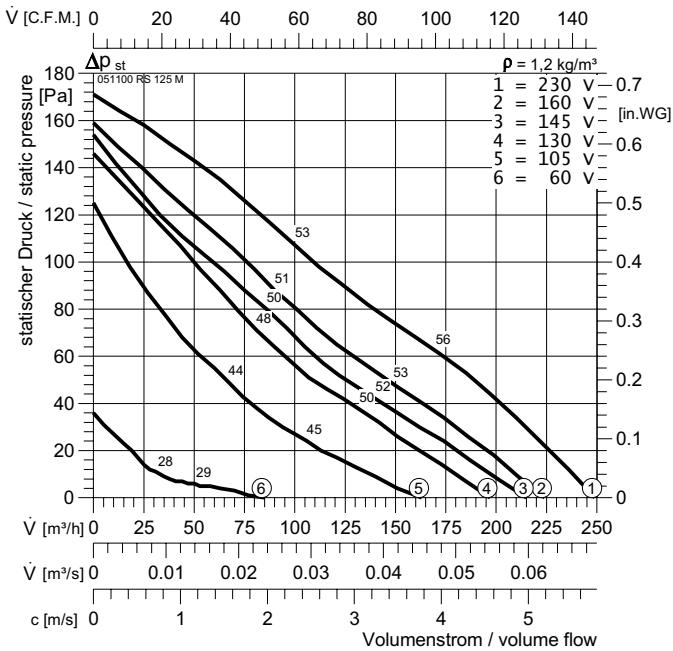


TFB-PTC

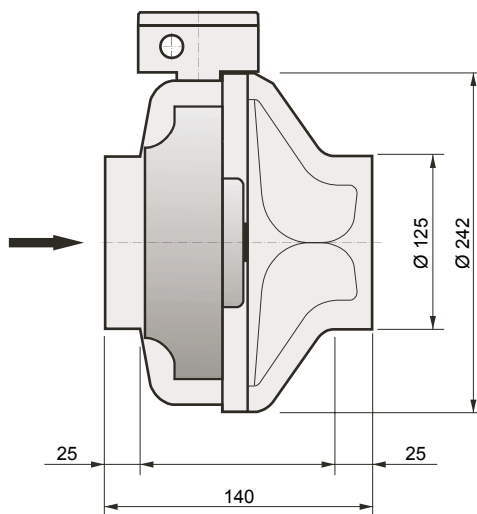


WVK

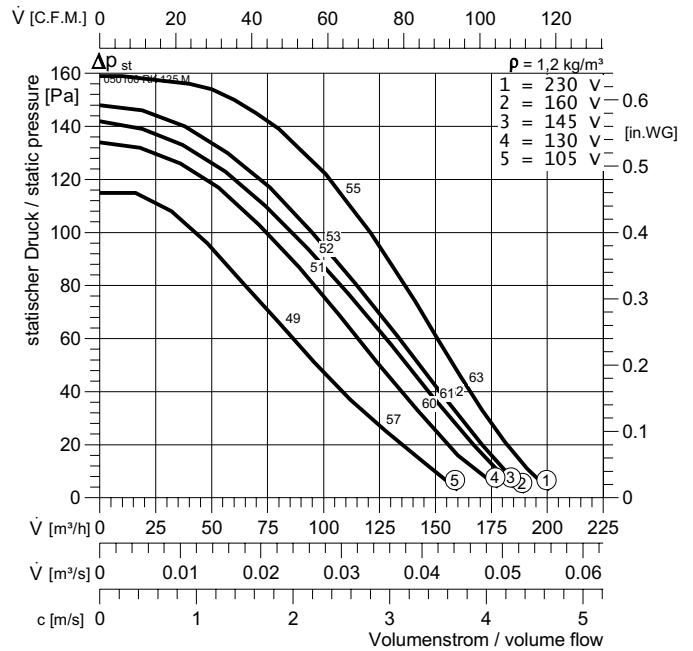
### RS 125 M



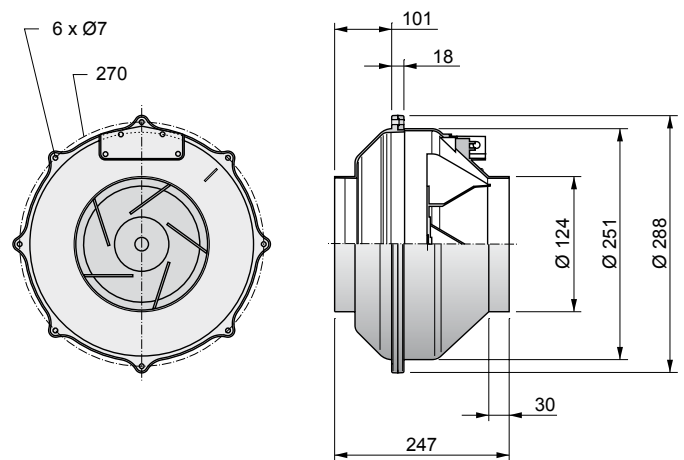
| Typ :                     | RS 125 M               | ⚠ | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|---------------------------|------------------------|---|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :                   | 051100                 | ★ | E11      | $L_{WA \text{ tot}}$                  | -15       | -1        | 0         |
| :                         | 2,2 kg                 |   | GS 1     | 125 Hz                                | -24       | -15       | -15       |
| <b>U :</b>                | 230 V 50 Hz            |   | NE 0,5   | 250 Hz                                | -21       | -7        | -8        |
| <b>P<sub>1</sub> :</b>    | 0,023 kW               |   | RPE 02 A | 500 Hz                                | -22       | -6        | -5        |
| <b>I<sub>N</sub> :</b>    | 0,11 A                 |   |          | 1 kHz                                 | -23       | -7        | -5        |
| <b>n :</b>                | 2695 min <sup>-1</sup> |   |          | 2 kHz                                 | -23       | -10       | -8        |
| <b>C<sub>400V</sub> :</b> | 1 μF                   |   |          | 4 kHz                                 | -32       | -19       | -16       |
| <b>t<sub>R</sub> :</b>    | 70 °C                  |   |          | 8 kHz                                 | -37       | -28       | -26       |



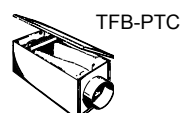
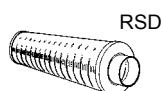
### RK 125 M



| Typ :                     | RK 125 M               | ⚠ | IP44   | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|---------------------------|------------------------|---|--------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :                   | 050100                 | ★ | E11    | $L_{WA \text{ tot}}$                  | -20       | -1        | 0         |
| :                         | 2,05 kg                |   | GS 1   | 125 Hz                                | -28       | -13       | -12       |
| <b>U :</b>                | 230 V 50 Hz            |   | NE 0,5 | 250 Hz                                | -31       | -5        | -4        |
| <b>P<sub>1</sub> :</b>    | 0,023 kW               |   | RPE 02 | 500 Hz                                | -27       | -6        | -5        |
| <b>I<sub>N</sub> :</b>    | 0,11 A                 |   |        | 1 kHz                                 | -27       | -13       | -12       |
| <b>n :</b>                | 2695 min <sup>-1</sup> |   |        | 2 kHz                                 | -26       | -10       | -9        |
| <b>C<sub>400V</sub> :</b> | 1 μF                   |   |        | 4 kHz                                 | -31       | -21       | -20       |
| <b>t<sub>R</sub> :</b>    | 70 °C                  |   |        | 8 kHz                                 | -37       | -27       | -26       |



Zubehör Seite / Accessories page 70-73

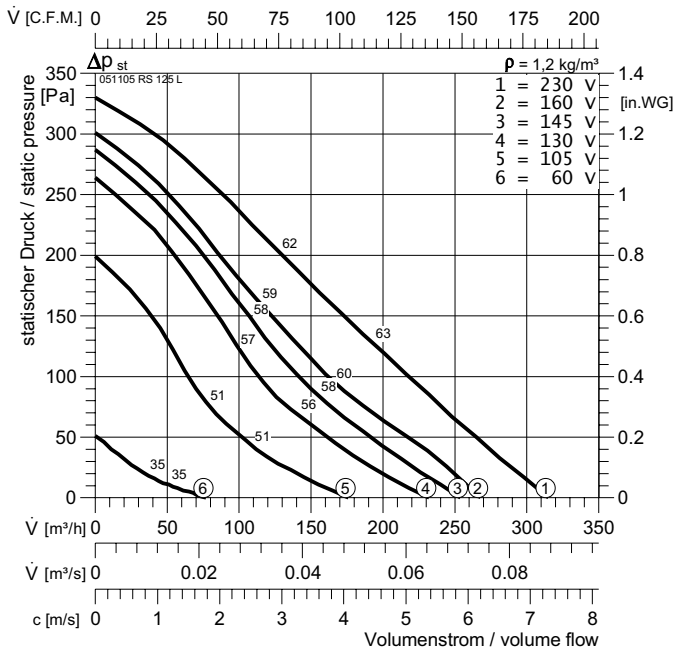




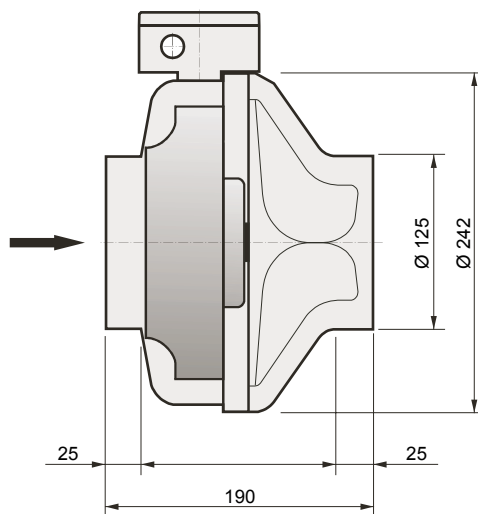
RS, RK



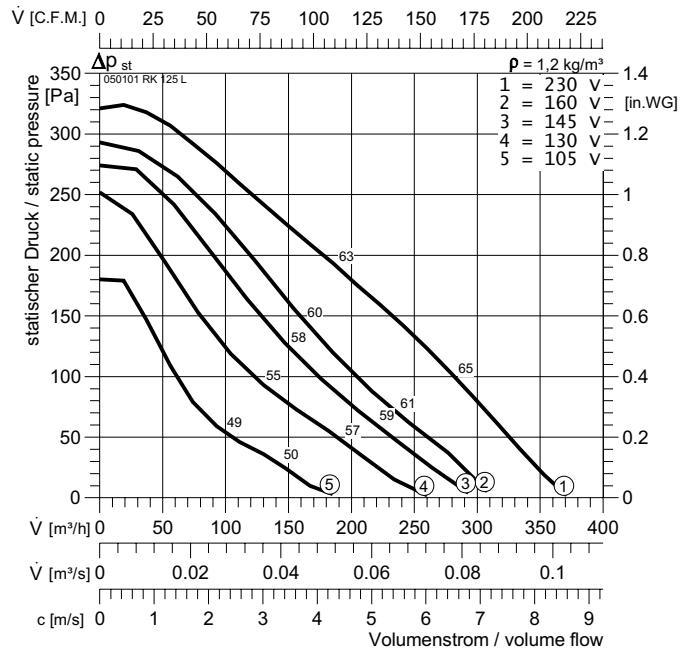
## RS 125 L



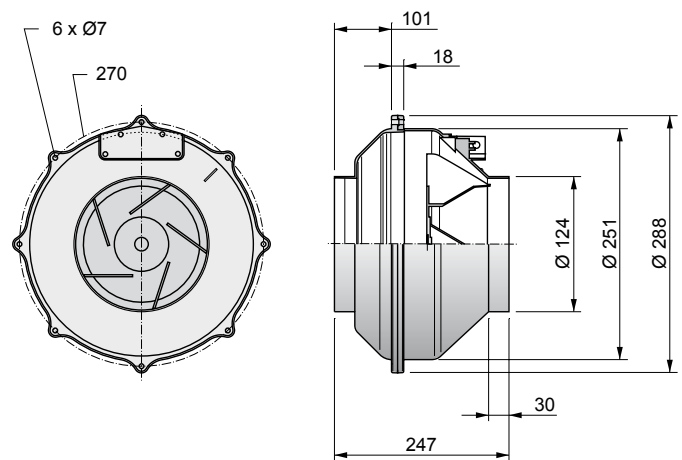
| Typ :               | RS 125 L               | IP 44    | $L_{WA\ rel}$<br>ΔdB | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|---------------------|------------------------|----------|----------------------|-----------|-----------|-----------|
| ArtNr :             | 051105                 | E11      | $L_{WA\ tot}$        | -14       | 0         | 0         |
| Weight :            | 3,3 kg                 | GS 1     | 125 Hz               | -27       | -15       | -16       |
| U :                 | 230 V 50 Hz            | NE 0,5   | 250 Hz               | -21       | -10       | -8        |
| P <sub>1</sub> :    | 0,065 kW               | RPE 02 A | 500 Hz               | -21       | -7        | -7        |
| I <sub>N</sub> :    | 0,3 A                  |          | 1 kHz                | -20       | -4        | -5        |
| n :                 | 2480 min <sup>-1</sup> |          | 2 kHz                | -20       | -7        | -7        |
| C <sub>400V</sub> : | 2 μF                   |          | 4 kHz                | -27       | -11       | -10       |
| t <sub>R</sub> :    | 70 °C                  |          | 8 kHz                | -35       | -20       | -21       |



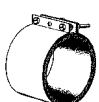
## RK 125 L



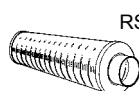
| Typ :               | RK 125 L               | IP54     | $L_{WA\ rel}$<br>ΔdB | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|---------------------|------------------------|----------|----------------------|-----------|-----------|-----------|
| ArtNr :             | 050101                 | E11      | $L_{WA\ tot}$        | -20       | -1        | 0         |
| Weight :            | 2,05 kg                | GS 1     | 125 Hz               | -28       | -13       | -12       |
| U :                 | 230 V 50 Hz            | NE 0,5   | 250 Hz               | -31       | -5        | -4        |
| P <sub>1</sub> :    | 0,062 kW               | RPE 02 A | 500 Hz               | -27       | -6        | -5        |
| I <sub>N</sub> :    | 0,29 A                 |          | 1 kHz                | -27       | -13       | -12       |
| n :                 | 2500 min <sup>-1</sup> |          | 2 kHz                | -26       | -10       | -9        |
| C <sub>400V</sub> : | 2 μF                   |          | 4 kHz                | -31       | -21       | -20       |
| t <sub>R</sub> :    | 70 °C                  |          | 8 kHz                | -37       | -27       | -26       |



Zubehör Seite / Accessories page 70-73



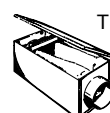
RSV



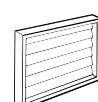
RSD



RVK

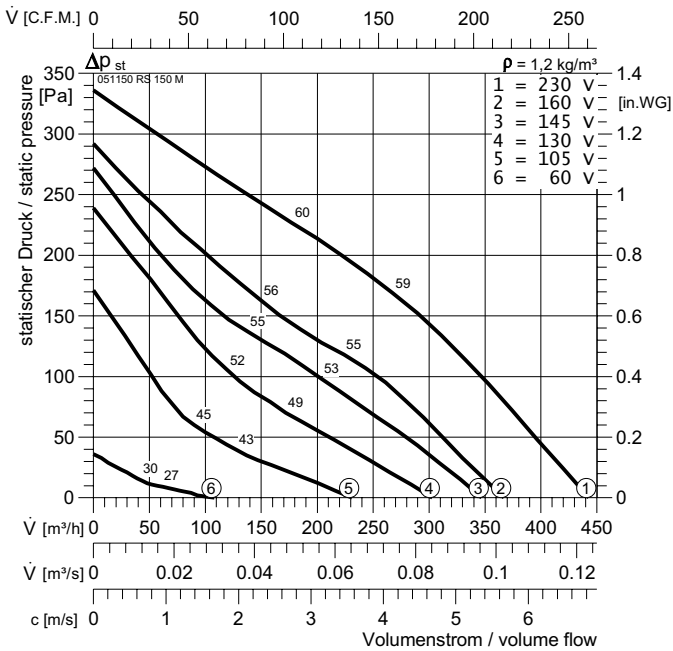


TFB-PTC

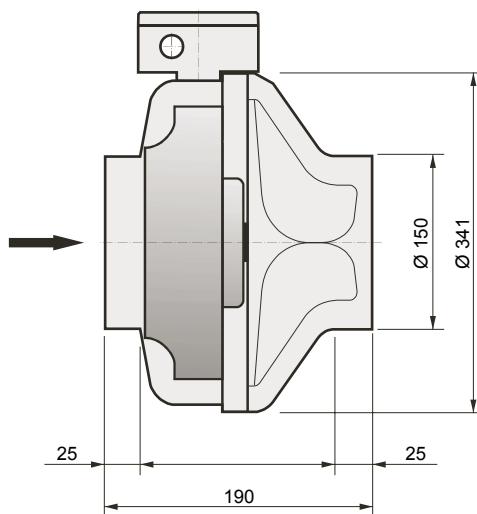


WVK

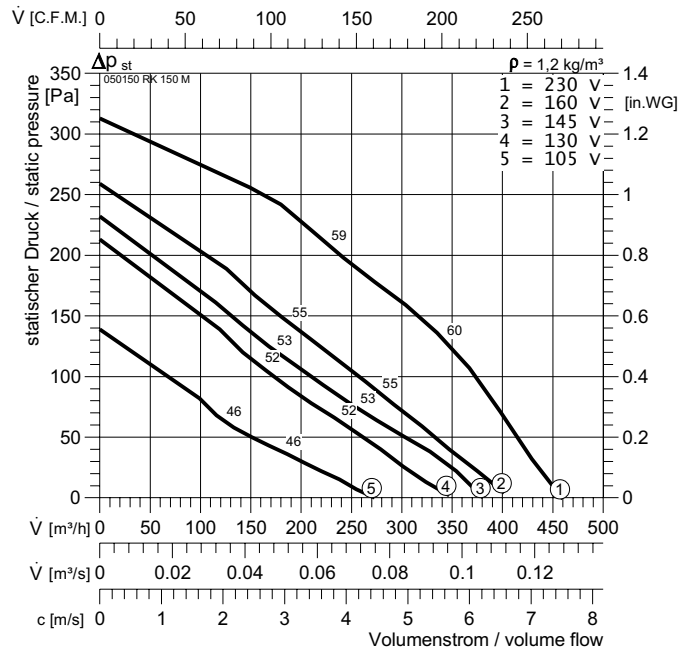
### RS 150 M



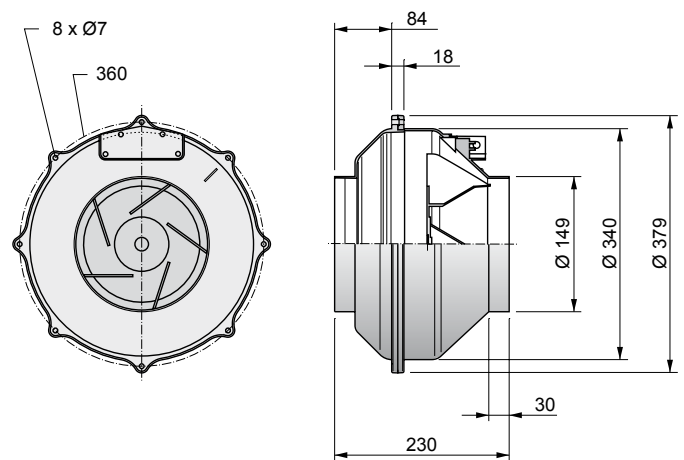
|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RS 150 M</b>        |  | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051150                 |  | E11      | $L_{WA \text{ tot}}$                  | -10       | 2         | 0         |
|              | 3,7 kg                 |  | GS 1     | 125 Hz                                | -25       | -17       | -23       |
| U :          | 230 V 50 Hz            |  | NE 0,5   | 250 Hz                                | -19       | -6        | -10       |
| $P_1$ :      | 0,07 kW                |  | RPE 02 A | 500 Hz                                | -15       | -4        | -9        |
| $I_N$ :      | 0,3 A                  |  |          | 1 kHz                                 | -16       | -4        | -6        |
| n :          | 2420 min <sup>-1</sup> |  |          | 2 kHz                                 | -16       | -5        | -4        |
| $C_{400V}$ : | 2 $\mu\text{F}$        |  |          | 4 kHz                                 | -26       | -8        | -9        |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz                                 | -33       | -15       | -19       |



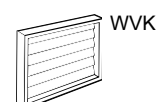
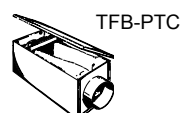
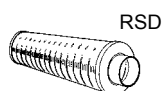
### RK 150 M



|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RK 150 M</b>        |  | IP44     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 050150                 |  | E11      | $L_{WA \text{ tot}}$                  | -14       | -1        | 0         |
|              | 3,2 kg                 |  | GS 1     | 125 Hz                                | -31       | -12       | -11       |
| U :          | 230 V 50 Hz            |  | NE 0,5   | 250 Hz                                | -29       | -5        | -4        |
| $P_1$ :      | 0,063 kW               |  | RPE 02 A | 500 Hz                                | -24       | -7        | -6        |
| $I_N$ :      | 0,28 A                 |  |          | 1 kHz                                 | -19       | -10       | -9        |
| n :          | 2475 min <sup>-1</sup> |  |          | 2 kHz                                 | -18       | -12       | -11       |
| $C_{400V}$ : | 2 $\mu\text{F}$        |  |          | 4 kHz                                 | -25       | -17       | -16       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz                                 | -29       | -29       | -28       |



Zubehör Seite / Accessories page 70-73

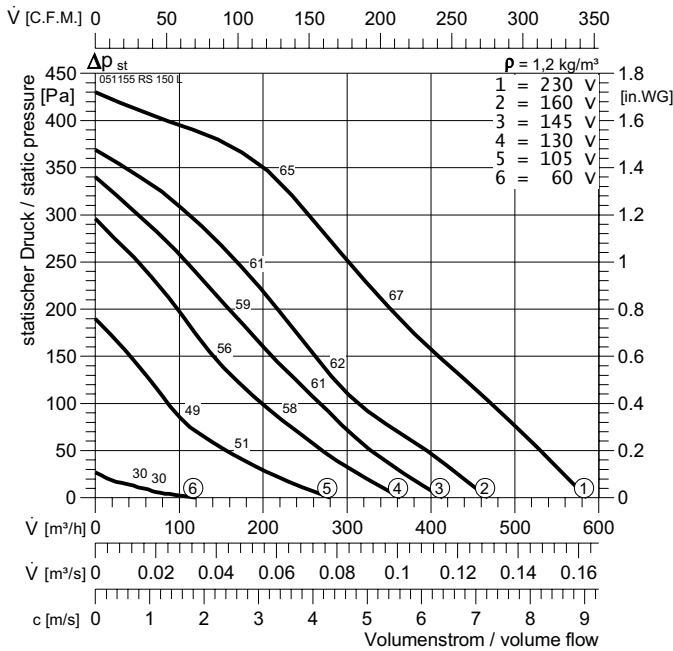




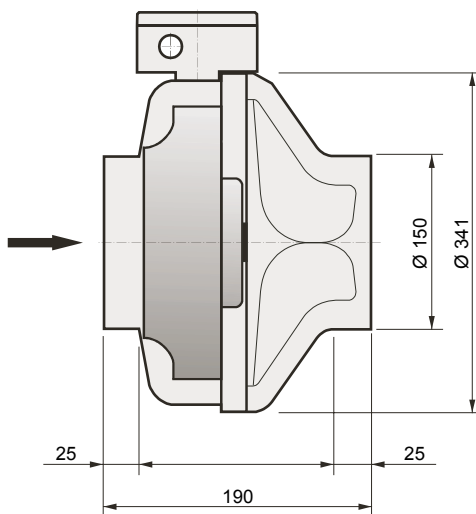
RS, RK



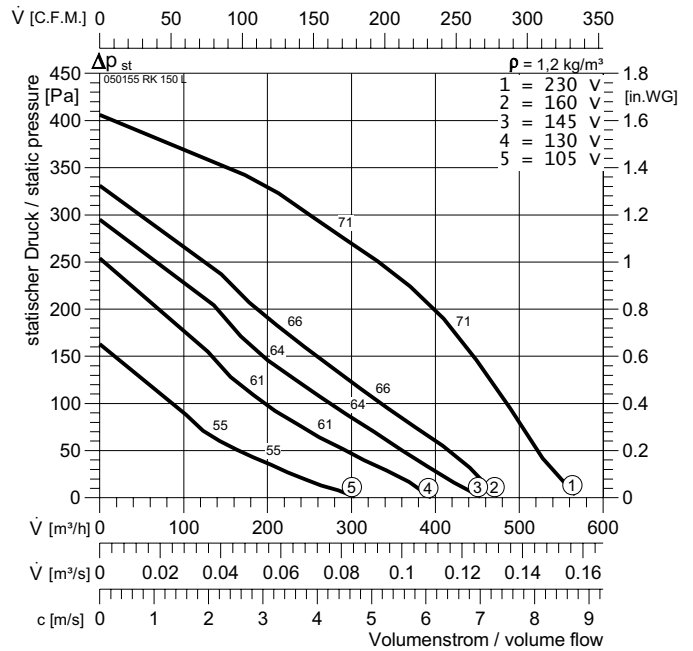
## RS 150 L



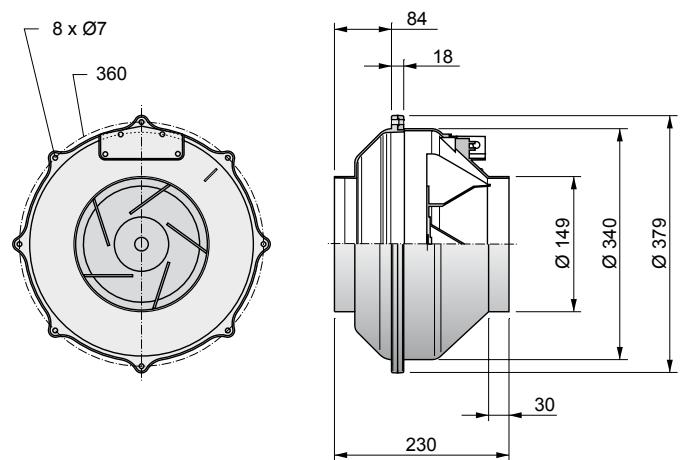
| Typ :        | RS 150 L               | IP 44    | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|--|-----------|-----------|-----------|
| ArtNr :      | 051155                 | E11      | $L_{WA \text{ tot}}$                       | -10       | 2         | 0         |
| $\square$ :  | 4,8 kg                 | GS 1     | 125 Hz                                     | -25       | -17       | -23       |
| U :          | 230 V 50 Hz            | NE 0,5   | 250 Hz                                     | -19       | -6        | -10       |
| $P_1$ :      | 0,1 kW                 | RPE 02 A | 500 Hz                                     | -15       | -4        | -9        |
| $I_N$ :      | 0,44 A                 |          | 1 kHz                                      | -16       | -4        | -6        |
| n :          | 2585 min <sup>-1</sup> |          | 2 kHz                                      | -16       | -5        | -4        |
| $C_{400V}$ : | 3 $\mu\text{F}$        |          | 4 kHz                                      | -26       | -8        | -9        |
| $t_R$ :      | 60 °C                  |          | 8 kHz                                      | -33       | -15       | -19       |



## RK 150 L



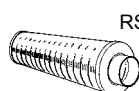
| Typ :        | RK 150 L               | IP44     | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|--|-----------|-----------|-----------|
| ArtNr :      | 050155                 | E11      | $L_{WA \text{ tot}}$                       | -13       | -1        | 0         |
| $\square$ :  | 3,8 kg                 | GS 1     | 125 Hz                                     | -35       | -18       | -17       |
| U :          | 230 V 50 Hz            | NE 0,5   | 250 Hz                                     | -33       | -5        | -4        |
| $P_1$ :      | 0,089 kW               | RPE 02 A | 500 Hz                                     | -17       | -6        | -5        |
| $I_N$ :      | 0,39 A                 |          | 1 kHz                                      | -18       | -7        | -6        |
| n :          | 2525 min <sup>-1</sup> |          | 2 kHz                                      | -24       | -13       | -12       |
| $C_{400V}$ : | 3 $\mu\text{F}$        |          | 4 kHz                                      | -20       | -18       | -17       |
| $t_R$ :      | 70 °C                  |          | 8 kHz                                      | -24       | -26       | -25       |



Zubehör Seite / Accessories page 70-73



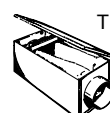
RSV



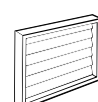
RSD



RVK



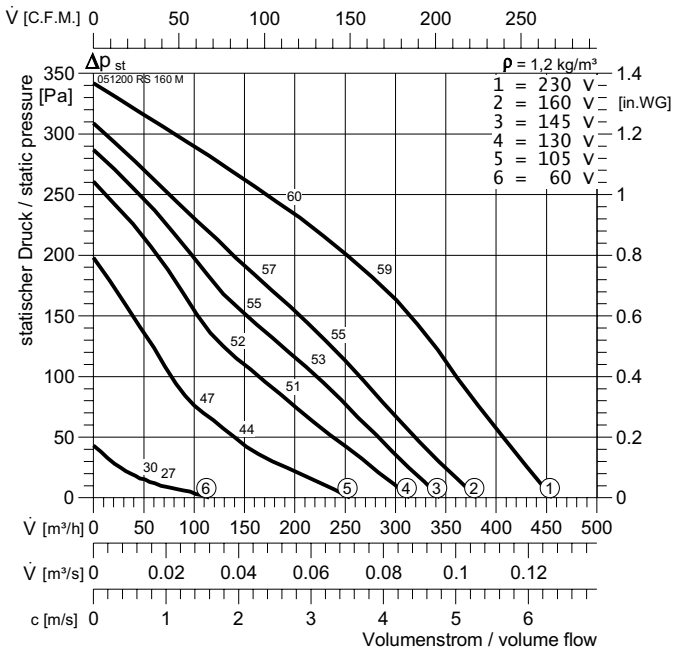
TFB-PTC



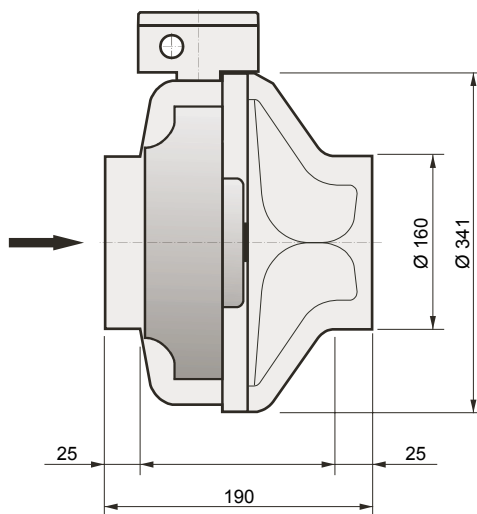
WVK



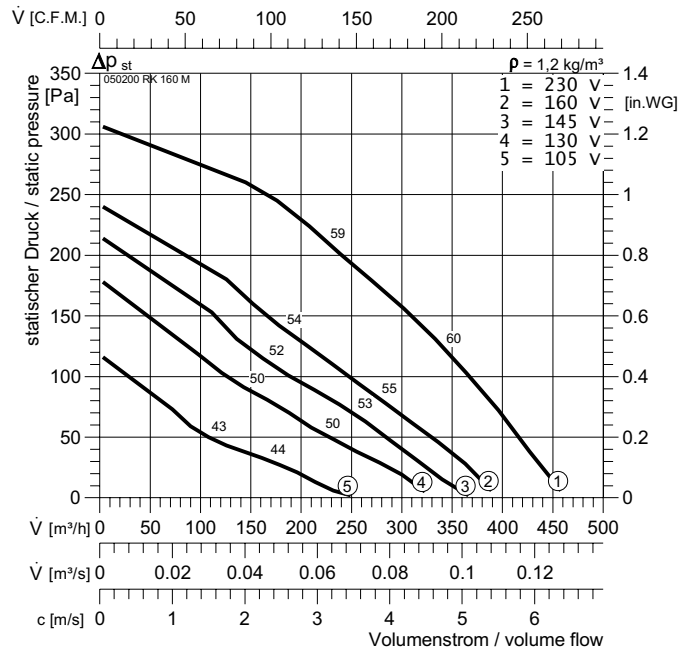
## RS 160 M



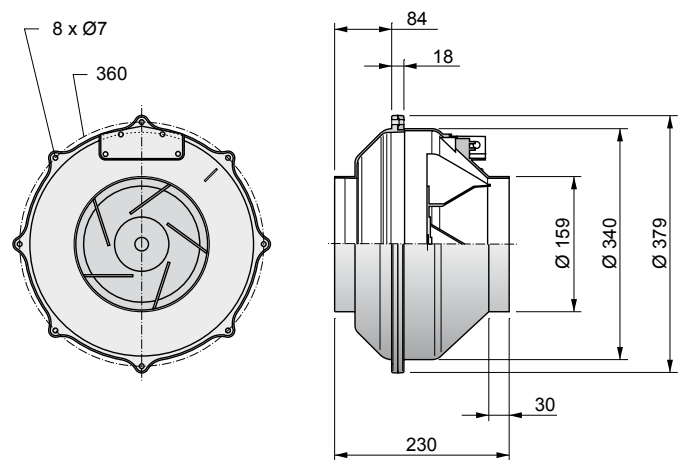
|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RS 160 M</b>        |  | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051200                 |  | E11      | $L_{WA \text{ tot}}$                  | -13       | 2         | 0         |
|              | 3,7 kg                 |  | GS 1     | 125 Hz                                | -21       | -15       | -15       |
| U :          | 230 V 50 Hz            |  | NE 0,5   | 250 Hz                                | -19       | -7        | -7        |
| $P_1$ :      | 0,063 kW               |  | RPE 02 A | 500 Hz                                | -19       | -3        | -7        |
| $I_N$ :      | 0,28 A                 |  |          | 1 kHz                                 | -20       | -4        | -5        |
| n :          | 2475 min <sup>-1</sup> |  |          | 2 kHz                                 | -23       | -4        | -7        |
| $C_{400V}$ : | 2 $\mu\text{F}$        |  |          | 4 kHz                                 | -27       | -12       | -13       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz                                 | -36       | -20       | -22       |



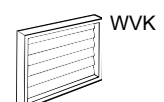
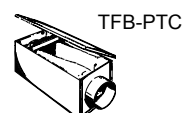
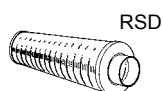
## RK 160 M



|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RK 160 M</b>        |  | IP54     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 050200                 |  | E11      | $L_{WA \text{ tot}}$                  | -14       | -1        | 0         |
|              | 3,25 kg                |  | GS 1     | 125 Hz                                | -31       | -12       | -11       |
| U :          | 230 V 50 Hz            |  | NE 0,5   | 250 Hz                                | -29       | -5        | -4        |
| $P_1$ :      | 0,062 kW               |  | RPE 02 A | 500 Hz                                | -24       | -7        | -6        |
| $I_N$ :      | 0,29 A                 |  |          | 1 kHz                                 | -19       | -10       | -9        |
| n :          | 2500 min <sup>-1</sup> |  |          | 2 kHz                                 | -18       | -12       | -11       |
| $C_{400V}$ : | 2 $\mu\text{F}$        |  |          | 4 kHz                                 | -25       | -17       | -16       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz                                 | -29       | -29       | -28       |



Zubehör Seite / Accessories page 70-73

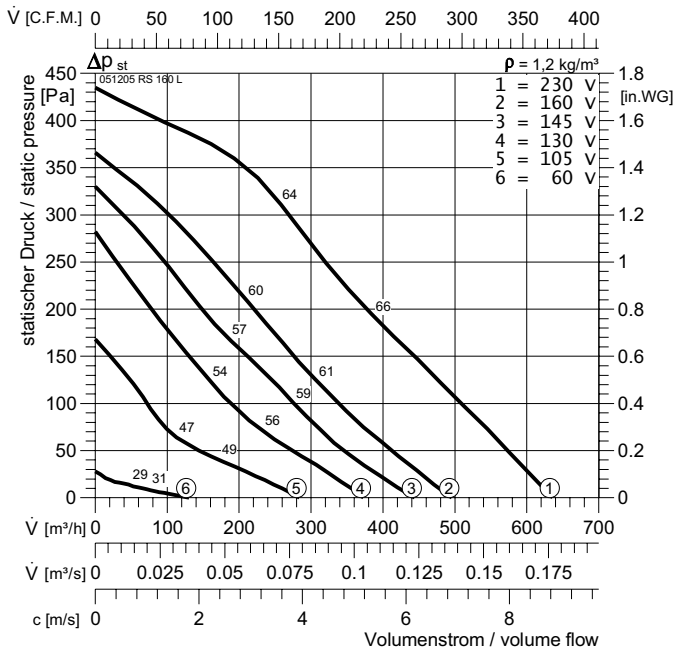




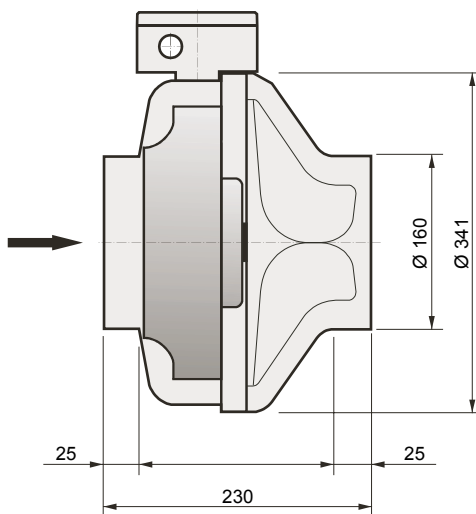
RS, RK



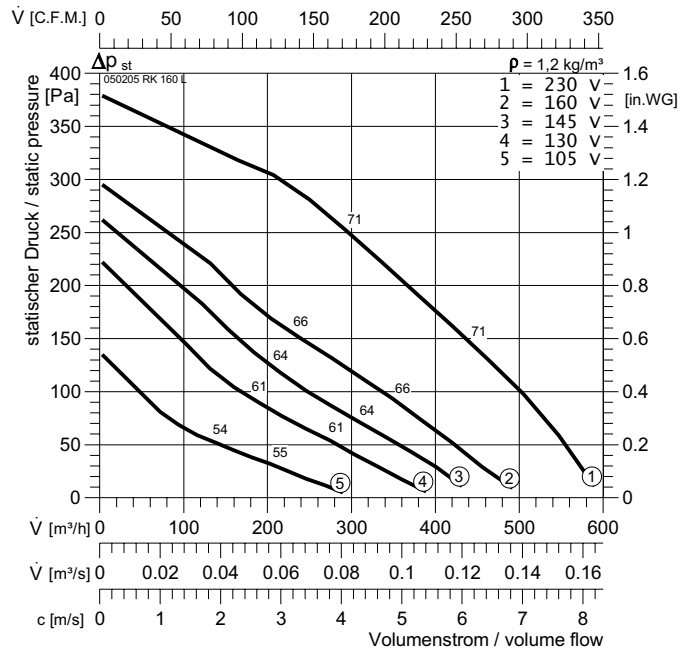
## RS 160 L



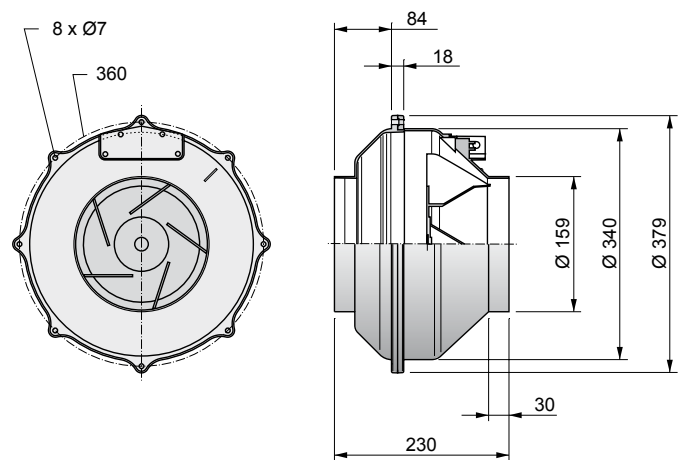
| Typ :        | RS 160 L               | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 051205                 | E11      | $L_{WA \text{ tot}}$                  | -13       | 2         | 0         |
| $\square$ :  | 4,8 kg                 | GS 1     | 125 Hz                                | -21       | -15       | -15       |
| U :          | 230 V 50 Hz            | NE 0,5   | 250 Hz                                | -19       | -7        | -7        |
| $P_1$ :      | 0,11 kW                | RPE 02 A | 500 Hz                                | -19       | -3        | -7        |
| $I_N$ :      | 0,47 A                 |          | 1 kHz                                 | -20       | -4        | -5        |
| n :          | 2500 $\text{min}^{-1}$ |          | 2 kHz                                 | -23       | -4        | -7        |
| $C_{400V}$ : | 3 $\mu\text{F}$        |          | 4 kHz                                 | -27       | -12       | -13       |
| $t_R$ :      | 60 $^{\circ}\text{C}$  |          | 8 kHz                                 | -36       | -20       | -22       |



## RK 160 L



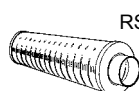
| Typ :        | RK 160 L               | IP44     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 050205                 | E11      | $L_{WA \text{ tot}}$                  | -13       | -1        | 0         |
| $\square$ :  | 3,8 kg                 | GS 1     | 125 Hz                                | -35       | -18       | -17       |
| U :          | 230 V 50 Hz            | NE 0,5   | 250 Hz                                | -33       | -5        | -4        |
| $P_1$ :      | 0,089 kW               | RPE 02 A | 500 Hz                                | -17       | -6        | -5        |
| $I_N$ :      | 0,39 A                 |          | 1 kHz                                 | -18       | -7        | -6        |
| n :          | 2525 $\text{min}^{-1}$ |          | 2 kHz                                 | -24       | -13       | -12       |
| $C_{400V}$ : | 3 $\mu\text{F}$        |          | 4 kHz                                 | -20       | -18       | -17       |
| $t_R$ :      | 70 $^{\circ}\text{C}$  |          | 8 kHz                                 | -24       | -26       | -25       |



Zubehör Seite / Accessories page 70-73



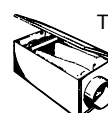
RSV



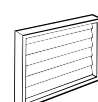
RSD



RVK

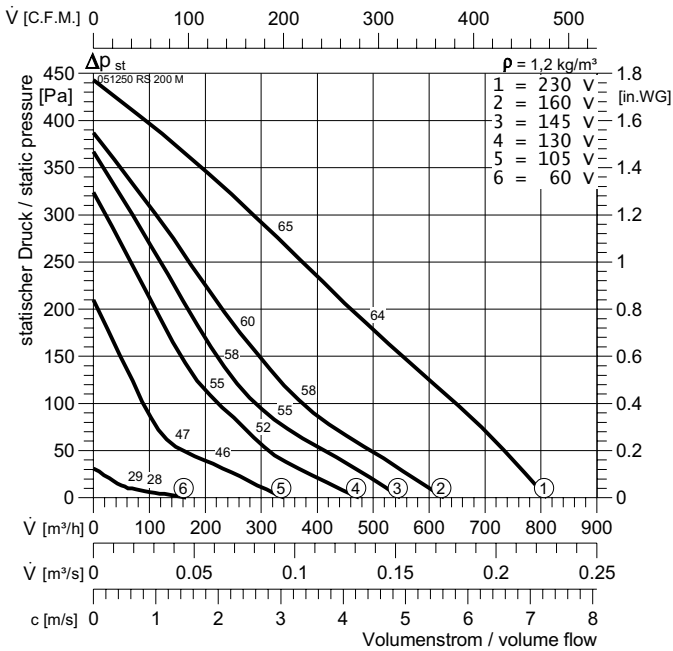


TFB-PTC

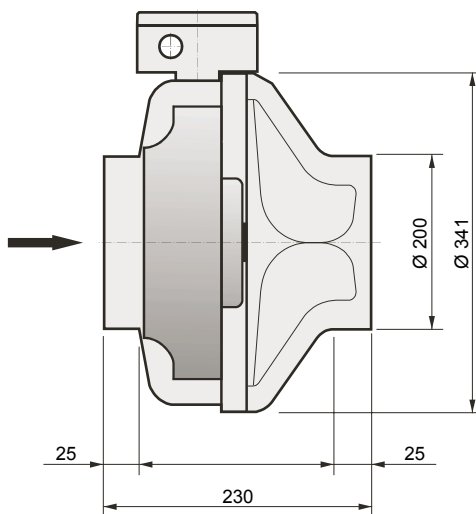


WVK

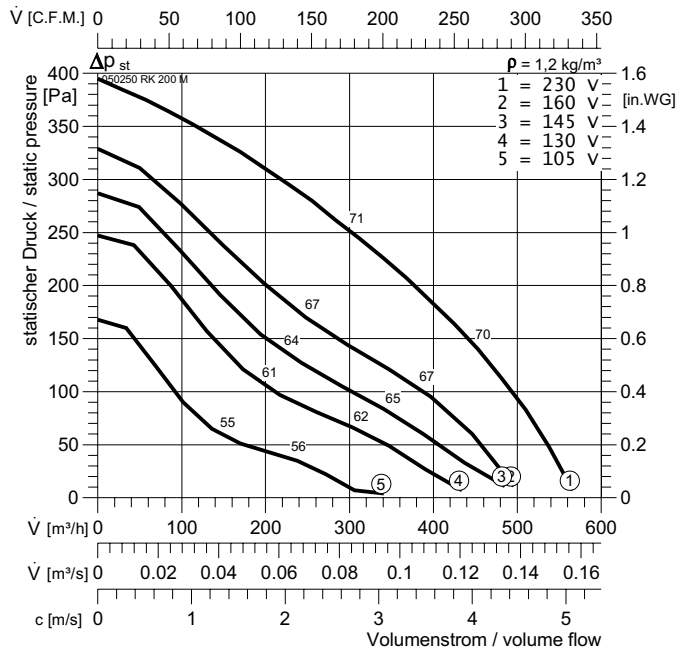
### RS 200 M



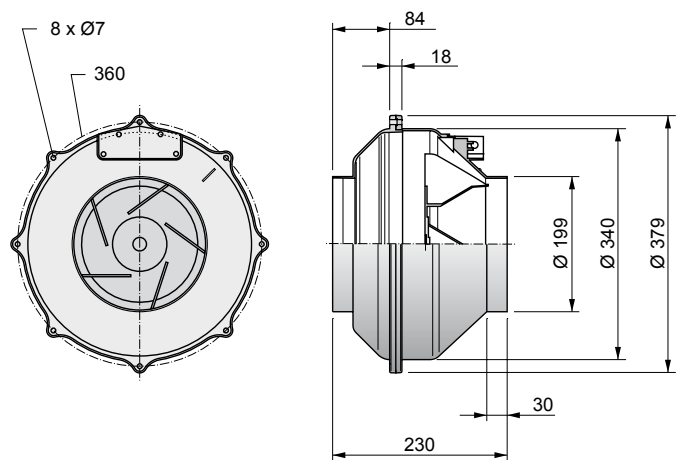
|              |                        |  |          |               |           |           |           |
|--------------|------------------------|--|----------|---------------|-----------|-----------|-----------|
| Typ :        | <b>RS 200 M</b>        |  | IP 44    | $L_{WA\ rel}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051250                 |  | E11      | $L_{WA\ tot}$ | -13       | 2         | 0         |
|              | 4,8 kg                 |  | GS 1     | 125 Hz        | -27       | -20       | -22       |
| U :          | 230 V 50 Hz            |  | NE 0,5   | 250 Hz        | -19       | -7        | -11       |
| $P_1$ :      | 0,101 kW               |  | RPE 02 A | 500 Hz        | -20       | -5        | -11       |
| $I_N$ :      | 0,47 A                 |  |          | 1 kHz         | -19       | -4        | -5        |
| n :          | 2595 min <sup>-1</sup> |  |          | 2 kHz         | -19       | -3        | -4        |
| $C_{400V}$ : | 3 μF                   |  |          | 4 kHz         | -27       | -8        | -10       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz         | -36       | -17       | -17       |



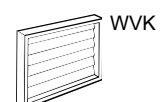
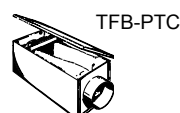
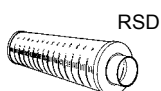
### RK 200 M



|              |                        |  |          |               |           |           |           |
|--------------|------------------------|--|----------|---------------|-----------|-----------|-----------|
| Typ :        | <b>RK 200 M</b>        |  | IP44     | $L_{WA\ rel}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 050250                 |  | E11      | $L_{WA\ tot}$ | -15       | -1        | 0         |
|              | 3,8 kg                 |  | GS 1     | 125 Hz        | -38       | -14       | -13       |
| U :          | 230 V 50 Hz            |  | NE 0,5   | 250 Hz        | -36       | -8        | -7        |
| $P_1$ :      | 0,089 kW               |  | RPE 02 A | 500 Hz        | -26       | -6        | -5        |
| $I_N$ :      | 0,39 A                 |  |          | 1 kHz         | -16       | -9        | -8        |
| n :          | 2525 min <sup>-1</sup> |  |          | 2 kHz         | -25       | -9        | -8        |
| $C_{400V}$ : | 3 μF                   |  |          | 4 kHz         | -30       | -13       | -12       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz         | -39       | -22       | -21       |



Zubehör Seite / Accessories page 70-73

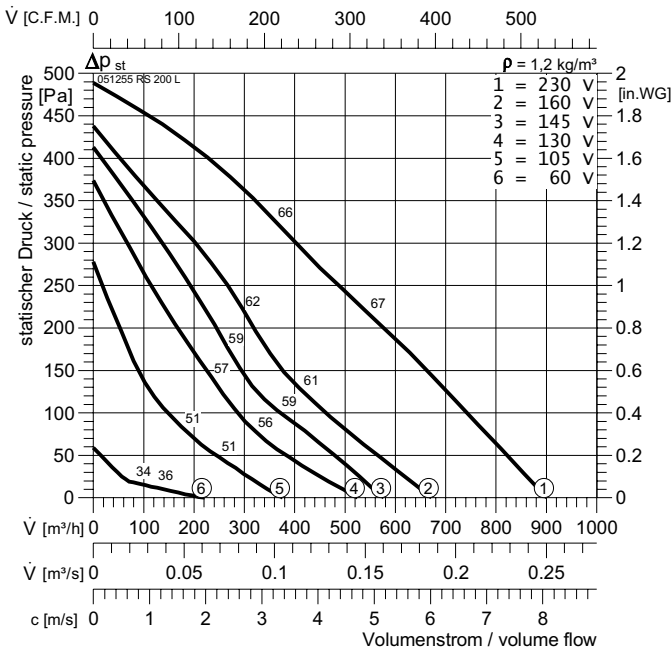




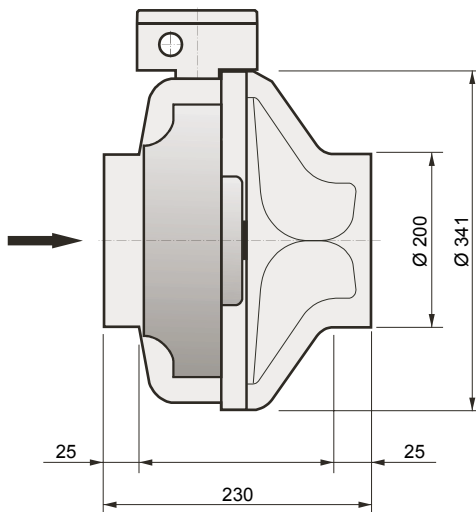
RS, RK



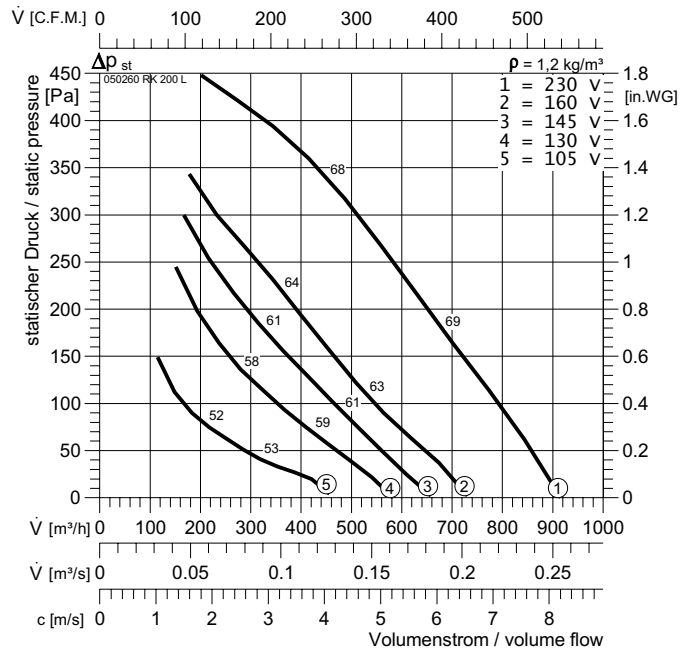
## RS 200 L



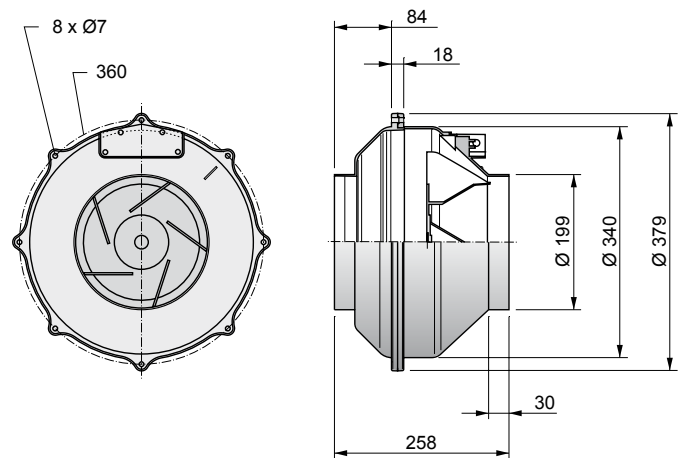
| Typ :        | RS 200 L               | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 051255                 | E11      | $L_{WA \text{ tot}}$                  | -13       | 2         | 0         |
| $\square$ :  | 5,5 kg                 | GS 1     | 125 Hz                                | -25       | -17       | -20       |
| U :          | 230 V 50 Hz            | NE 1,5   | 250 Hz                                | -18       | -6        | -10       |
| $P_1$ :      | 0,17 kW                | RPE 02 A | 500 Hz                                | -19       | -4        | -9        |
| $I_N$ :      | 0,79 A                 |          | 1 kHz                                 | -18       | -3        | -5        |
| n :          | 2410 min <sup>-1</sup> |          | 2 kHz                                 | -21       | -5        | -5        |
| $C_{400V}$ : | 5 $\mu\text{F}$        |          | 4 kHz                                 | -27       | -10       | -10       |
| $t_R$ :      | 65 °C                  |          | 8 kHz                                 | -35       | -17       | -17       |



## RK 200 L



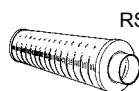
| Typ :        | RK 200 L               | IP44     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 050260                 | E11      | $L_{WA \text{ tot}}$                  | -15       | -1        | 0         |
| $\square$ :  | 4,4 kg                 | GS 1     | 125 Hz                                | -38       | -15       | -14       |
| U :          | 230 V 50 Hz            | NE 1,5   | 250 Hz                                | -31       | -8        | -7        |
| $P_1$ :      | 0,158 kW               | RPE 02 A | 500 Hz                                | -25       | -5        | -4        |
| $I_N$ :      | 0,69 A                 |          | 1 kHz                                 | -17       | -8        | -7        |
| n :          | 2535 min <sup>-1</sup> |          | 2 kHz                                 | -25       | -10       | -9        |
| $C_{400V}$ : | 4 $\mu\text{F}$        |          | 4 kHz                                 | -31       | -15       | -14       |
| $t_R$ :      | 70 °C                  |          | 8 kHz                                 | -39       | -24       | -23       |



Zubehör Seite / Accessories page 70-73



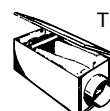
RSV



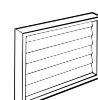
RSD



RVK

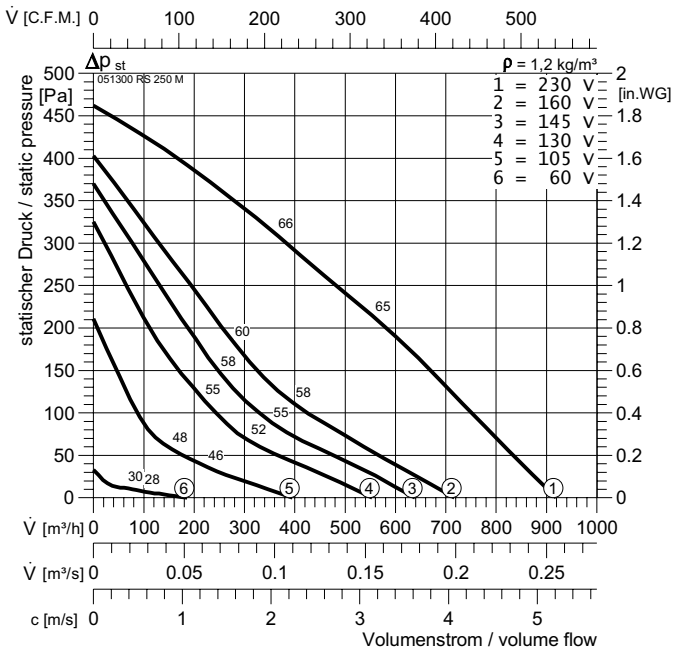


TFB-PTC

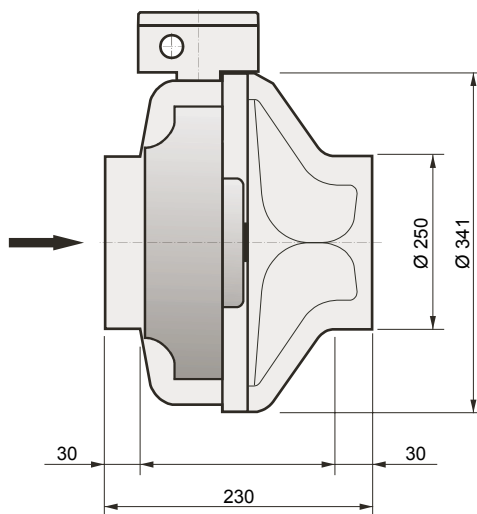


WVK

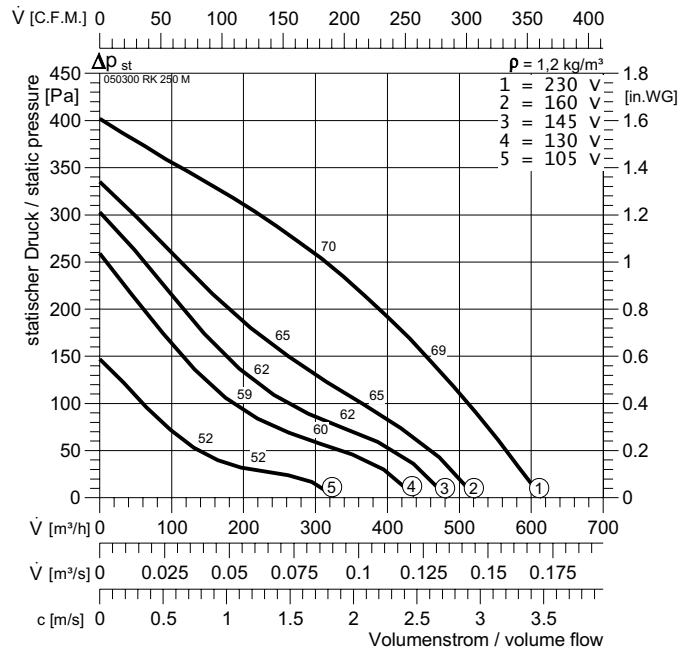
### RS 250 M



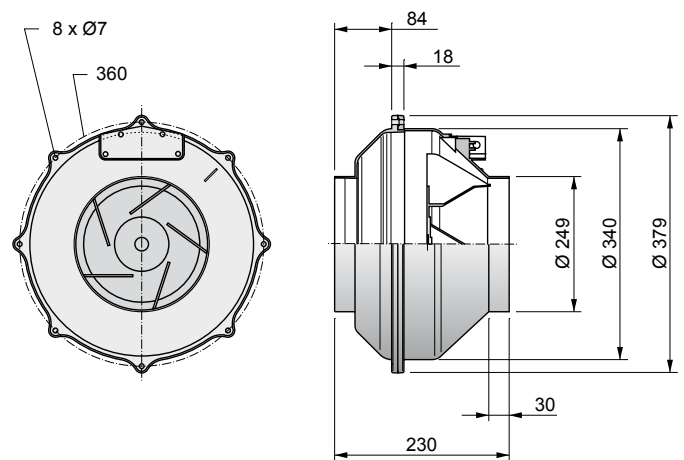
|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RS 250 M</b>        |  | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051300                 |  | E11      | $L_{WA \text{ tot}}$                  | -13       | 0         | 0         |
|              | 4,8 kg                 |  | GS 1     | 125 Hz                                | -25       | -21       | -20       |
| U :          | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                                | -18       | -10       | -9        |
| $P_1$ :      | 0,101 kW               |  | RPE 02 A | 500 Hz                                | -20       | -6        | -7        |
| $I_N$ :      | 0,44 A                 |  |          | 1 kHz                                 | -18       | -6        | -6        |
| n :          | 2595 min <sup>-1</sup> |  |          | 2 kHz                                 | -24       | -5        | -5        |
| $C_{400V}$ : | 3 $\mu\text{F}$        |  |          | 4 kHz                                 | -29       | -12       | -10       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz                                 | -38       | -19       | -18       |



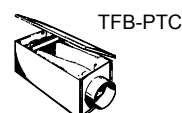
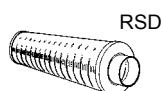
### RK 250 M



|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RK 250 M</b>        |  | IP44     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 050300                 |  | E11      | $L_{WA \text{ tot}}$                  | -15       | -1        | 0         |
|              | 3,8 kg                 |  | GS 1     | 125 Hz                                | -15       | -1        | 0         |
| U :          | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                                | -28       | -6        | -5        |
| $P_1$ :      | 0,089 kW               |  | RPE 02 A | 500 Hz                                | -26       | -7        | -6        |
| $I_N$ :      | 0,39 A                 |  |          | 1 kHz                                 | -17       | -7        | -6        |
| n :          | 2525 min <sup>-1</sup> |  |          | 2 kHz                                 | -22       | -9        | -8        |
| $C_{400V}$ : | 3 $\mu\text{F}$        |  |          | 4 kHz                                 | -27       | -14       | -13       |
| $t_R$ :      | 70 °C                  |  |          | 8 kHz                                 | -31       | -16       | -15       |



Zubehör Seite / Accessories page 70-73

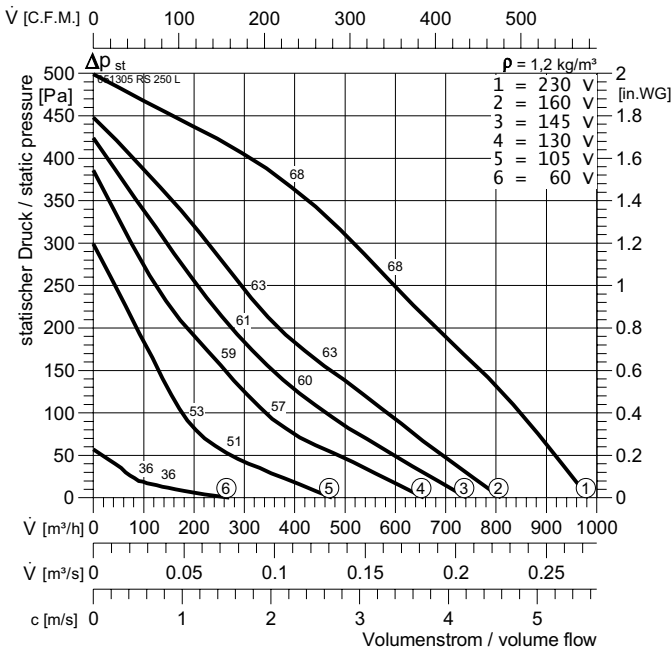




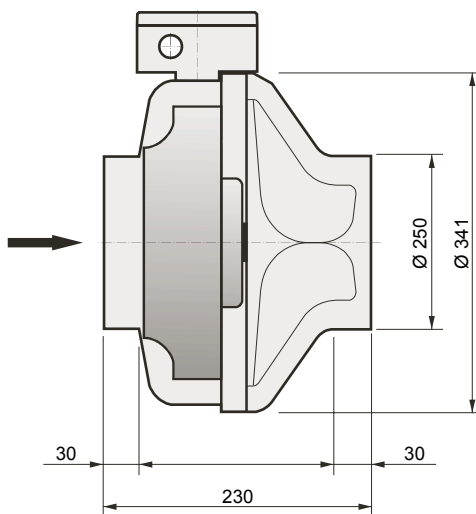
RS, RK



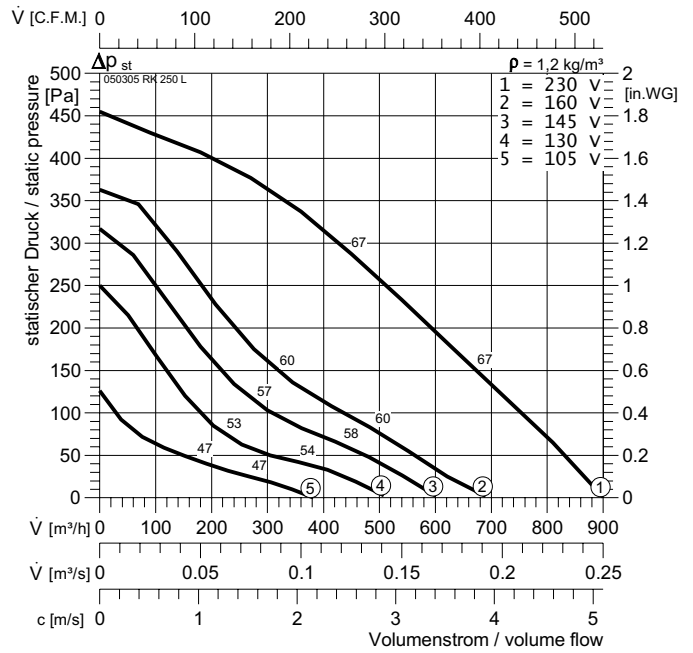
## RS 250 L



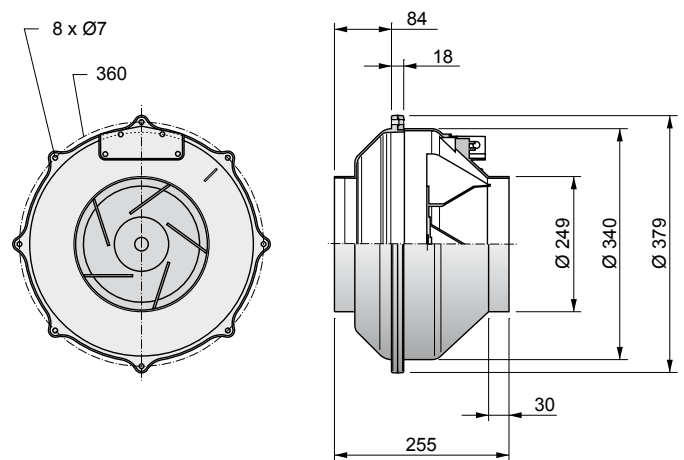
| Typ :        | RS 250 L               | IP 44    | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|--|-----------|-----------|-----------|
| ArtNr :      | 051305                 | E11      | $L_{WA \text{ tot}}$                       | -13       | 2         | 0         |
| $\square$ :  | 5,3 kg                 | GS 1     | 125 Hz                                     | -25       | -20       | -19       |
| U :          | 230 V 50 Hz            | NE 1,5   | 250 Hz                                     | -23       | -9        | -9        |
| $P_1$ :      | 0,158 kW               | RPE 02 A | 500 Hz                                     | -21       | -3        | -9        |
| $I_N$ :      | 0,79 A                 |          | 1 kHz                                      | -17       | -3        | -5        |
| n :          | 2410 min <sup>-1</sup> |          | 2 kHz                                      | -20       | -5        | -5        |
| $C_{400V}$ : | 5 $\mu\text{F}$        |          | 4 kHz                                      | -24       | -10       | -10       |
| $t_R$ :      | 60 °C                  |          | 8 kHz                                      | -34       | -19       | -19       |



## RK 250 L



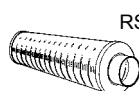
| Typ :        | RK 250 L               | IP44     | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|--|-----------|-----------|-----------|
| ArtNr :      | 050305                 | E11      | $L_{WA \text{ tot}}$                       | -14       | -1        | 0         |
| $\square$ :  | 4,4 kg                 | GS 1     | 125 Hz                                     | -14       | -1        | 0         |
| U :          | 230 V 50 Hz            | NE 1,5   | 250 Hz                                     | -31       | -8        | -7        |
| $P_1$ :      | 0,158 kW               | RPE 02 A | 500 Hz                                     | -21       | -7        | -6        |
| $I_N$ :      | 0,69 A                 |          | 1 kHz                                      | -16       | -8        | -7        |
| n :          | 2535 min <sup>-1</sup> |          | 2 kHz                                      | -21       | -9        | -8        |
| $C_{400V}$ : | 4 $\mu\text{F}$        |          | 4 kHz                                      | -28       | -11       | -10       |
| $t_R$ :      | 70 °C                  |          | 8 kHz                                      | -38       | -15       | -14       |



Zubehör Seite / Accessories page 70-73



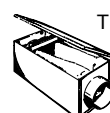
RSV



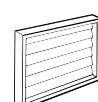
RSD



RVK

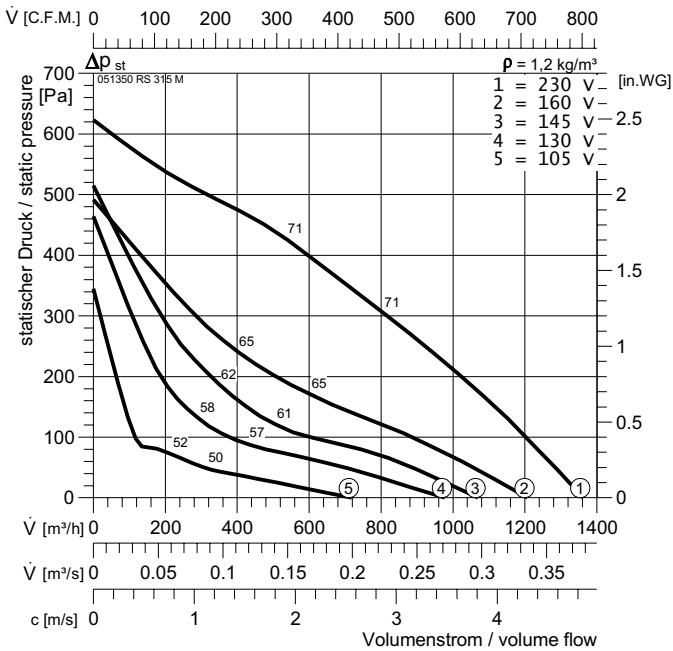


TFB-PTC

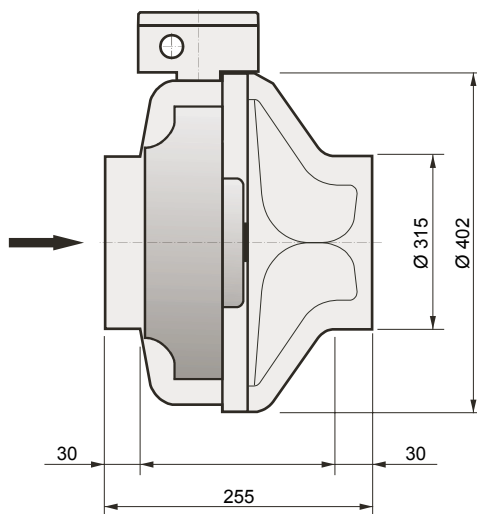


WVK

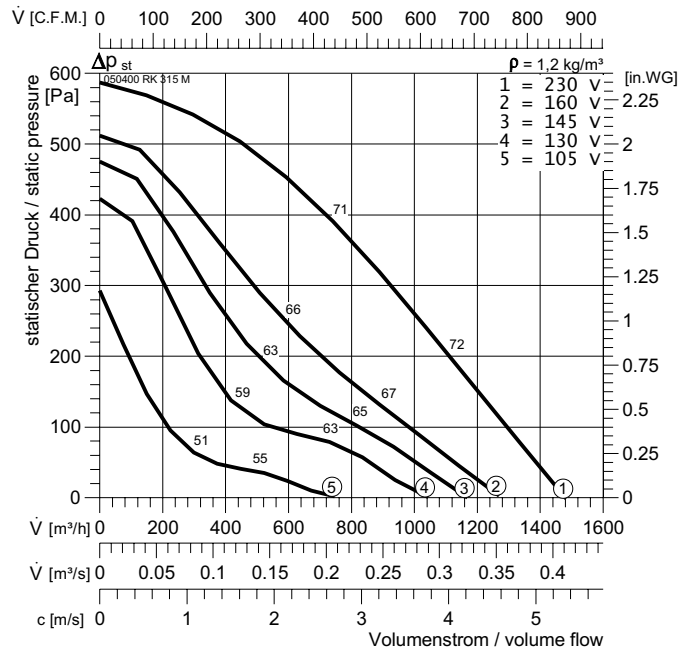
## RS 315 M



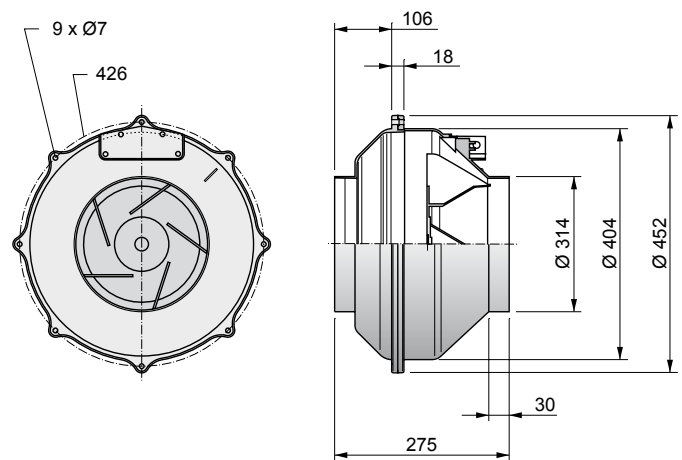
|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RS 315 M</b>        |  | IP 44    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051350                 |  | E11      | $L_{WA \text{ tot}}$                  | -16       | 0         | 0         |
|              | 7,2 kg                 |  | GS 1     | 125 Hz                                | -29       | -23       | -17       |
| U :          | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                                | -25       | -13       | -12       |
| $P_1$ :      | 0,181 kW               |  | RPE 02 A | 500 Hz                                | -22       | -6        | -10       |
| $I_N$ :      | 0,79 A                 |  |          | 1 kHz                                 | -21       | -5        | -5        |
| n :          | 2715 min <sup>-1</sup> |  |          | 2 kHz                                 | -23       | -6        | -5        |
| $C_{400V}$ : | 7 $\mu\text{F}$        |  |          | 4 kHz                                 | -28       | -10       | -8        |
| $t_R$ :      | 60 °C                  |  |          | 8 kHz                                 | -37       | -15       | -15       |



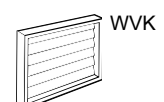
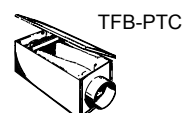
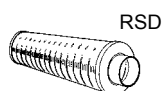
## RK 315 M



|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RK 315 M</b>        |  | IP44     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 050400                 |  | E11      | $L_{WA \text{ tot}}$                  | -17       | -1        | 0         |
|              | 5,4 kg                 |  | GS 1     | 125 Hz                                | -40       | -21       | -20       |
| U :          | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                                | -33       | -14       | -13       |
| $P_1$ :      | 0,19 kW                |  | RPE 02 A | 500 Hz                                | -26       | -13       | -12       |
| $I_N$ :      | 0,83 A                 |  |          | 1 kHz                                 | -18       | -7        | -6        |
| n :          | 2700 min <sup>-1</sup> |  |          | 2 kHz                                 | -28       | -5        | -4        |
| $C_{400V}$ : | 6 $\mu\text{F}$        |  |          | 4 kHz                                 | -31       | -8        | -7        |
| $t_R$ :      | 60 °C                  |  |          | 8 kHz                                 | -41       | -11       | -10       |



Zubehör Seite / Accessories page 70-73

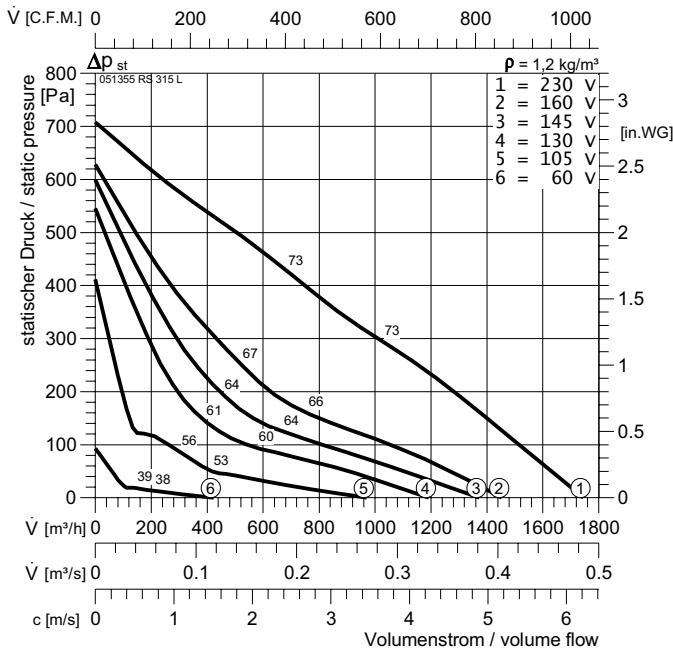




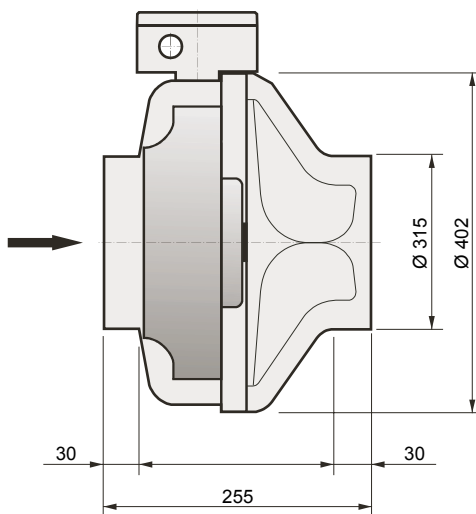
RS, RK



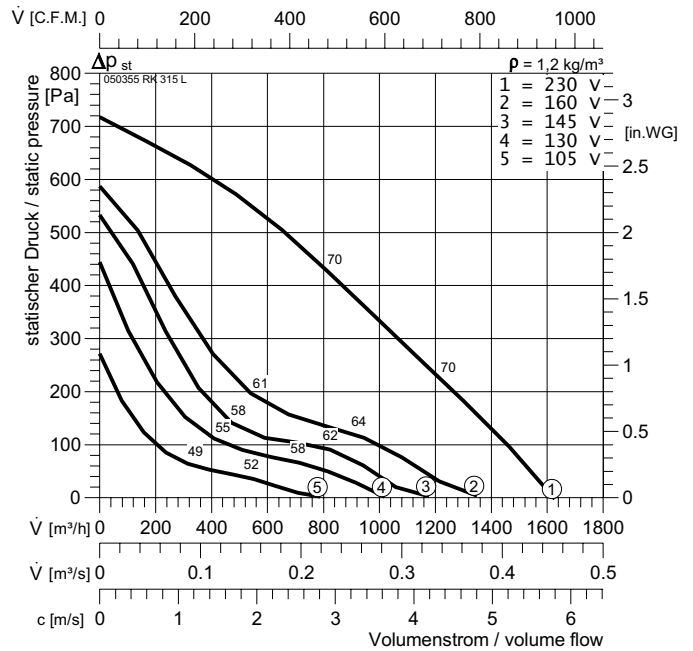
## RS 315 L



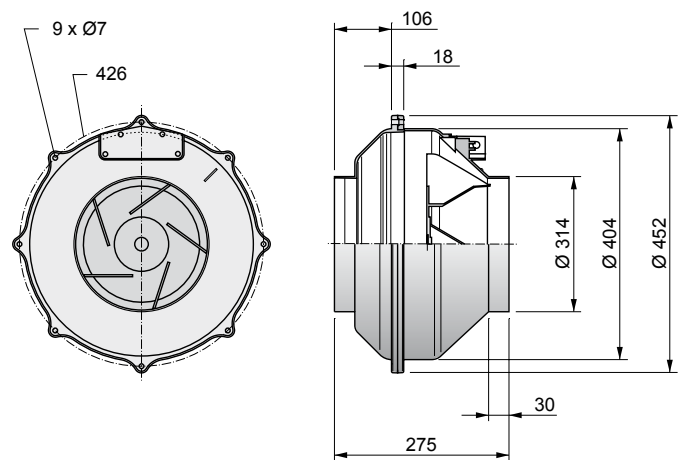
|                     |                        |  |          |                                |           |           |           |
|---------------------|------------------------|--|----------|--------------------------------|-----------|-----------|-----------|
| Typ :               | RS 315 L               |  | IP 44    | $L_{WA \text{ rel}} \Delta dB$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :             | 051355                 |  | E11      | $L_{WA \text{ tot}}$           | -16       | 1         | 0         |
|                     | 8,7 kg                 |  | GS 1     | 125 Hz                         | -32       | -26       | -27       |
| U :                 | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                         | -24       | -14       | -15       |
| P <sub>1</sub> :    | 0,225 kW               |  | RPE 06 A | 500 Hz                         | -22       | -5        | -11       |
| I <sub>N</sub> :    | 1,02 A                 |  |          | 1 kHz                          | -22       | -4        | -5        |
| n :                 | 2655 min <sup>-1</sup> |  |          | 2 kHz                          | -23       | -6        | -5        |
| C <sub>400V</sub> : | 8 μF                   |  |          | 4 kHz                          | -26       | -7        | -8        |
| t <sub>R</sub> :    | 45 °C                  |  |          | 8 kHz                          | -35       | -12       | -10       |



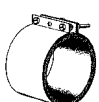
## RK 315 L



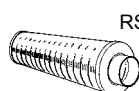
|                     |                        |  |          |                                |           |           |           |
|---------------------|------------------------|--|----------|--------------------------------|-----------|-----------|-----------|
| Typ :               | RK 315 L               |  | IP44     | $L_{WA \text{ rel}} \Delta dB$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :             | 050355                 |  | E11      | $L_{WA \text{ tot}}$           | -20       | -1        | 0         |
|                     | 6,8 kg                 |  | GS 1     | 125 Hz                         | -48       | -23       | -22       |
| U :                 | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                         | -39       | -14       | -13       |
| P <sub>1</sub> :    | 0,206 kW               |  | RPE 06 A | 500 Hz                         | -31       | -11       | -10       |
| I <sub>N</sub> :    | 0,99 A                 |  |          | 1 kHz                          | -21       | -8        | -7        |
| n :                 | 2715 min <sup>-1</sup> |  |          | 2 kHz                          | -28       | -7        | -6        |
| C <sub>400V</sub> : | 8 μF                   |  |          | 4 kHz                          | -32       | -9        | -8        |
| t <sub>R</sub> :    | 50 °C                  |  |          | 8 kHz                          | -39       | -11       | -10       |



Zubehör Seite / Accessories page 70-73



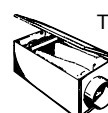
RSV



RSD



RVK



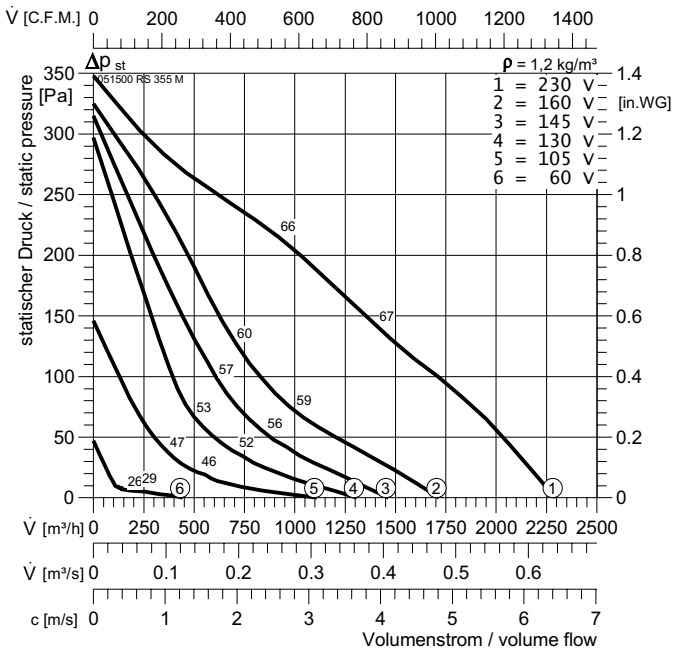
TFB-PTC



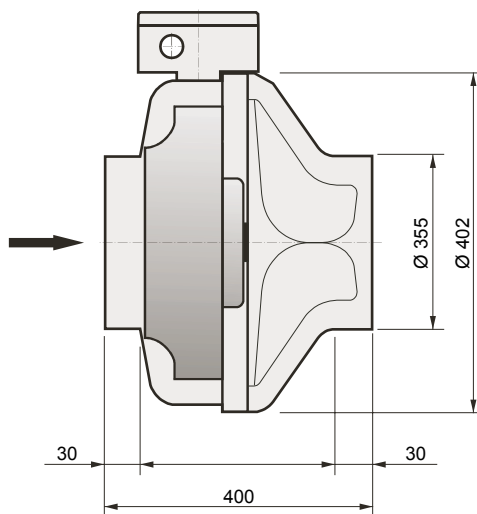
WVK



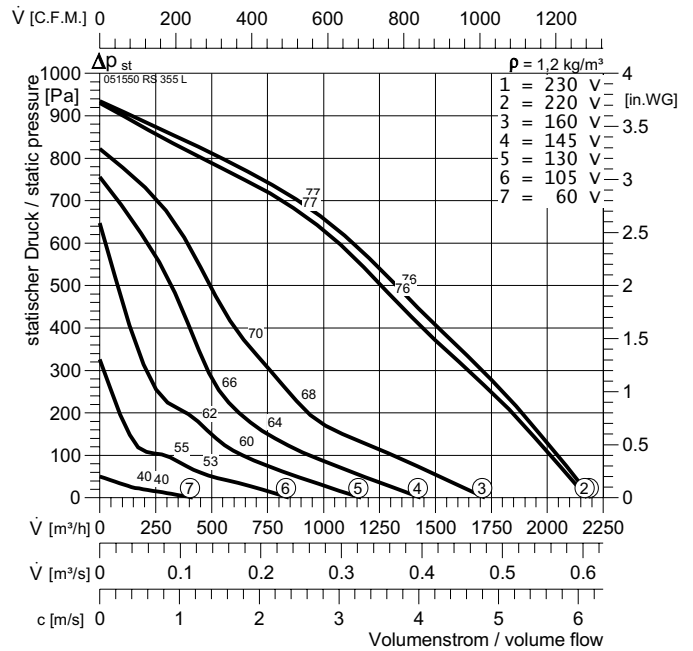
### RS 355 M



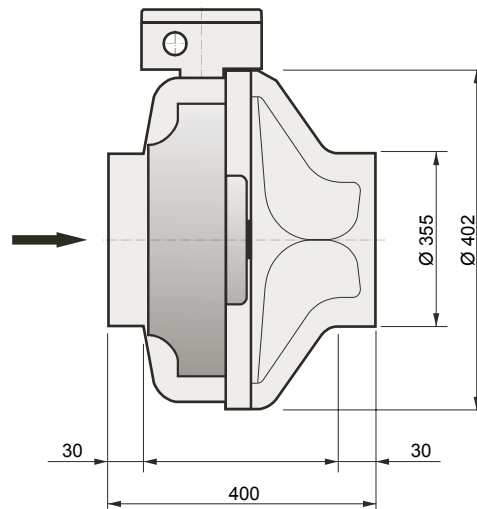
|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RS 355 M</b>        |  | IP 54    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051500                 |  | E13      | $L_{WA \text{ tot}}$                  | -12       | -1        | 0         |
|              | 12,2 kg                |  | GS 1     | 125 Hz                                | -18       | -13       | -13       |
| U :          | 230 V 50 Hz            |  | NE 1,5   | 250 Hz                                | -17       | -6        | -10       |
| $P_1$ :      | 0,26 kW                |  | RPE 06 A | 500 Hz                                | -18       | -6        | -5        |
| $I_N$ :      | 1,15 A                 |  |          | 1 kHz                                 | -21       | -8        | -6        |
| n :          | 1290 min <sup>-1</sup> |  |          | 2 kHz                                 | -26       | -12       | -7        |
| $C_{400V}$ : | 5 μF                   |  |          | 4 kHz                                 | -30       | -15       | -11       |
| $t_R$ :      | 45 °C                  |  |          | 8 kHz                                 | -42       | -25       | -20       |



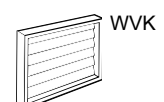
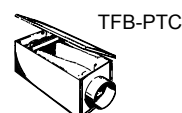
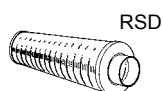
### RS 355 L



|              |                        |  |          |                                       |           |           |           |
|--------------|------------------------|--|----------|---------------------------------------|-----------|-----------|-----------|
| Typ :        | <b>RS 355 L</b>        |  | IP 54    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
| ArtNr :      | 051550                 |  | E13      | $L_{WA \text{ tot}}$                  | -11       | 0         | 0         |
|              | 14,2 kg                |  | GS 1     | 125 Hz                                | -30       | -7        | -19       |
| U :          | 230 V 50 Hz            |  | NE 3,2   | 250 Hz                                | -20       | -5        | -16       |
| $P_1$ :      | 0,65 kW                |  | RPE 09 A | 500 Hz                                | -19       | -6        | -7        |
| $I_N$ :      | 2,8 A                  |  |          | 1 kHz                                 | -15       | -6        | -4        |
| n :          | 2460 min <sup>-1</sup> |  |          | 2 kHz                                 | -18       | -11       | -6        |
| $C_{400V}$ : | 12 μF                  |  |          | 4 kHz                                 | -21       | -13       | -10       |
| $t_R$ :      | 45 °C                  |  |          | 8 kHz                                 | -36       | -21       | -16       |



Zubehör Seite / Accessories page 70-73

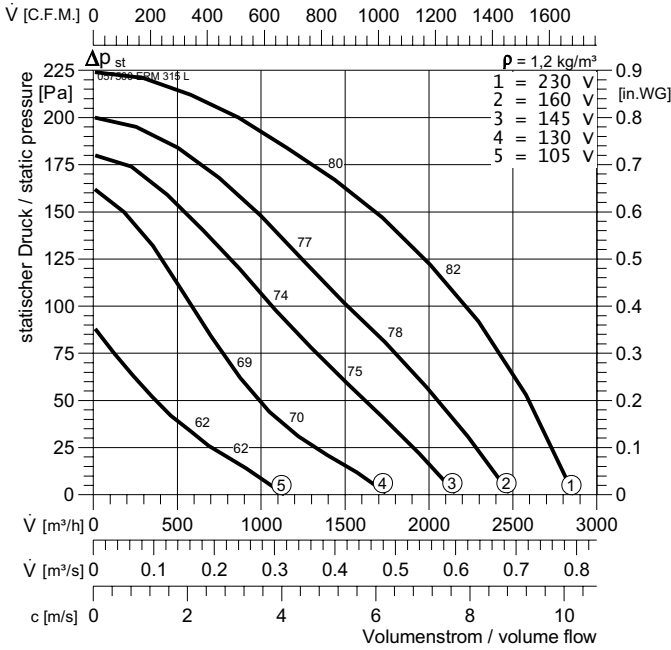




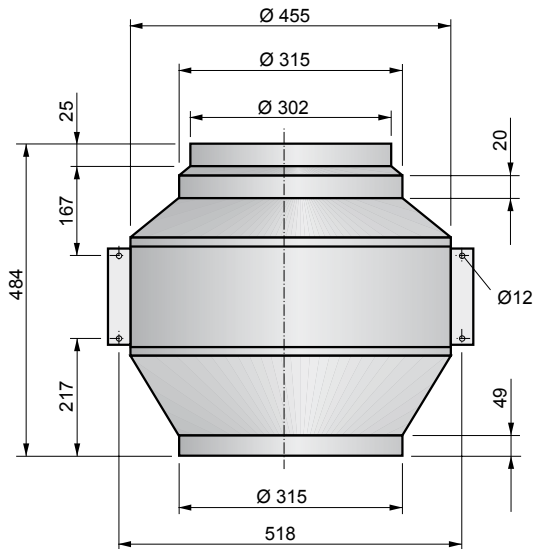
ERM, DRM



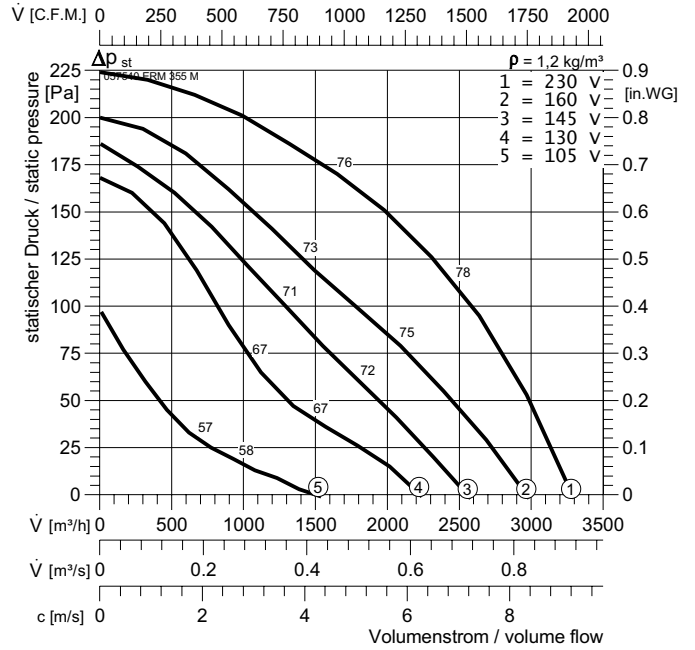
## ERM 315 L



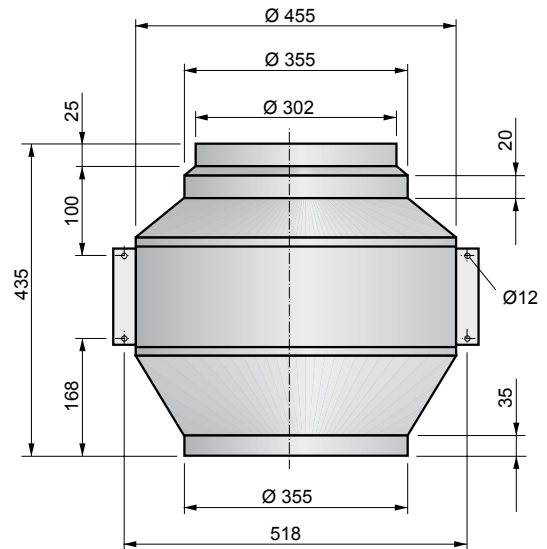
| Typ :        | ERM 315 L              | IP 54    | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|--|-----------|-----------|-----------|
| ArtNr :      | 057500                 | E13      | $L_{WA \text{ tot}}$                       | -16       | 0         | 0         |
| $\square$ :  | 16 kg                  | GS 1     | 125 Hz                                     | -34       | -10       | -5        |
| U :          | 230 V 50 Hz            | NE 1,5   | 250 Hz                                     | -24       | -6        | -8        |
| $P_1$ :      | 0,31 kW                | RPE 06 A | 500 Hz                                     | -23       | -5        | -7        |
| $I_N$ :      | 1,35 A                 |          | 1 kHz                                      | -21       | -7        | -6        |
| n :          | 1390 min <sup>-1</sup> |          | 2 kHz                                      | -23       | -14       | -9        |
| $C_{400V}$ : | 6 $\mu\text{F}$        |          | 4 kHz                                      | -37       | -19       | -19       |
| $t_R$ :      | 40 °C                  |          | 8 kHz                                      | -48       | -29       | -28       |



## ERM 355 M



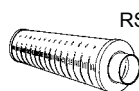
| Typ :        | ERM 355 M              | IP54     | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|--|-----------|-----------|-----------|
| ArtNr :      | 057540                 | E13      | $L_{WA \text{ tot}}$                       | -18       | -2        | 0         |
| $\square$ :  | 15 kg                  | GS 1     | 125 Hz                                     | -38       | -8        | -5        |
| U :          | 230 V 50 Hz            | NE 1,5   | 250 Hz                                     | -28       | -7        | -8        |
| $P_1$ :      | 0,31 kW                | RPE 06 A | 500 Hz                                     | -24       | -8        | -6        |
| $I_N$ :      | 1,35 A                 |          | 1 kHz                                      | -22       | -10       | -6        |
| n :          | 1390 min <sup>-1</sup> |          | 2 kHz                                      | -26       | -14       | -10       |
| $C_{400V}$ : | 6 $\mu\text{F}$        |          | 4 kHz                                      | -37       | -19       | -19       |
| $t_R$ :      | 50 °C                  |          | 8 kHz                                      | -48       | -29       | -28       |



Zubehör Seite / Accessories page 70-73



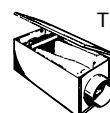
RSV



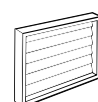
RSD



RVK

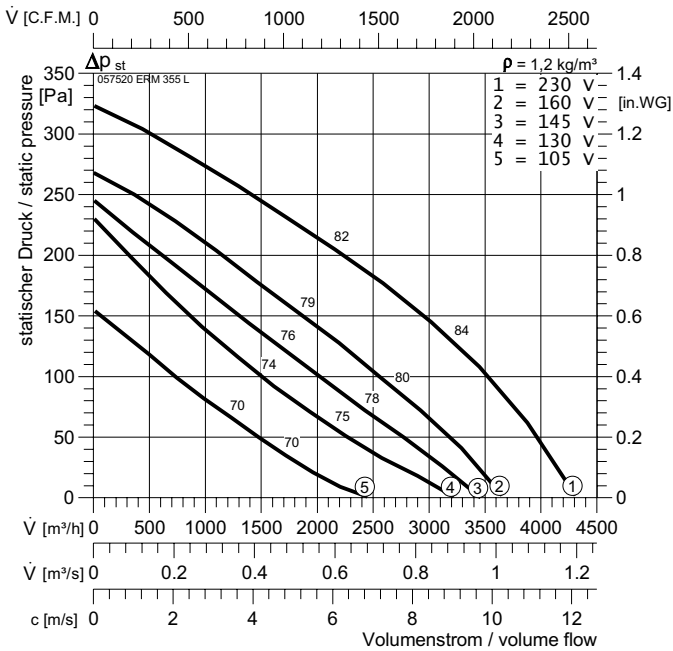


TFB-PTC

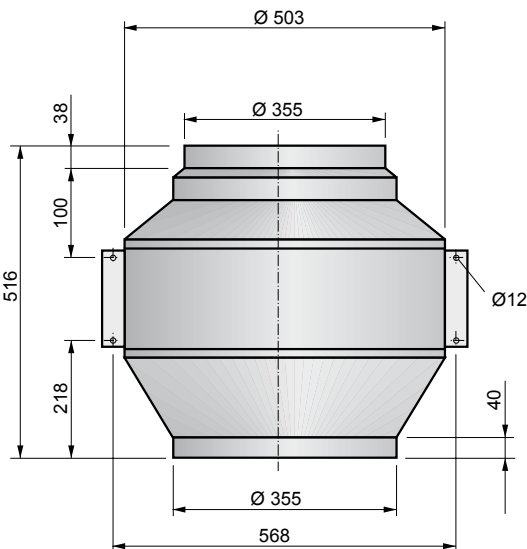


WVK

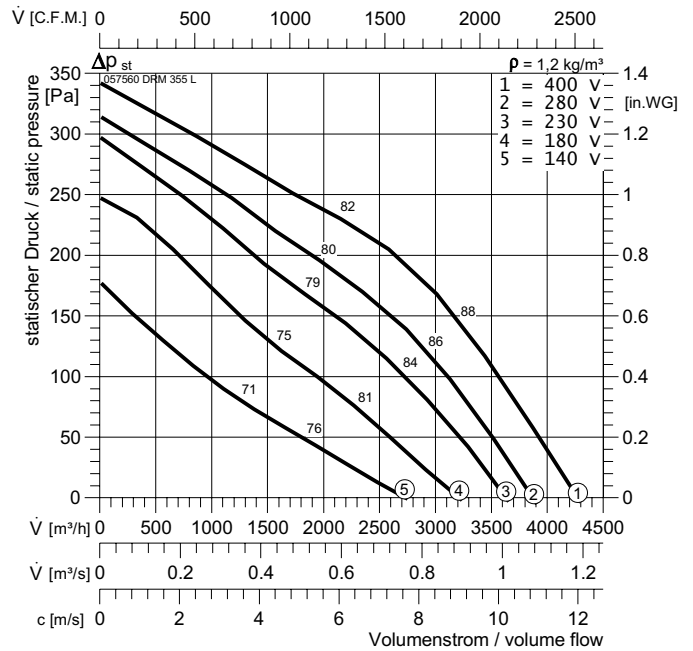
## ERM 355 L



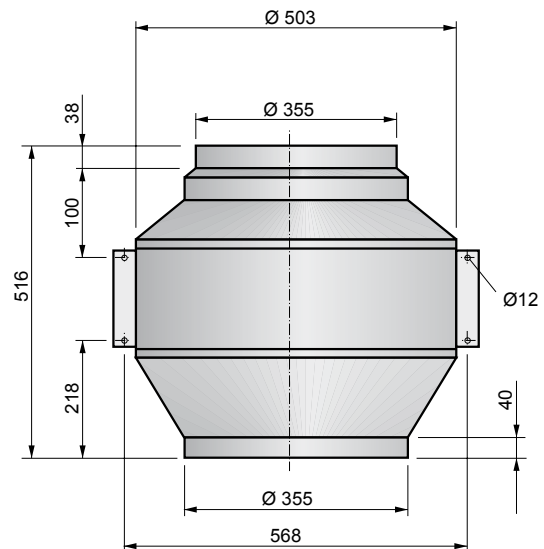
| Typ :        | ERM 355 L              | IP54     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057520                 | E13      | $L_{WA \text{ tot}}$                  | -19       | -2        | 0         |
| $\square$ :  | 21 kg                  | GS 1     | 125 Hz                                | -35       | -13       | -5        |
| U :          | 230 V 50 Hz            | NE 3,2   | 250 Hz                                | -28       | -8        | -9        |
| $P_1$ :      | 0,52 kW                | RPE 06 A | 500 Hz                                | -23       | -6        | -6        |
| $I_N$ :      | 2,2 A                  |          | 1 kHz                                 | -24       | -12       | -7        |
| n :          | 1280 min <sup>-1</sup> |          | 2 kHz                                 | -26       | -14       | -11       |
| $C_{400V}$ : | 10 $\mu\text{F}$       |          | 4 kHz                                 | -34       | -20       | -18       |
| $t_R$ :      | 40 °C                  |          | 8 kHz                                 | -44       | -28       | -24       |



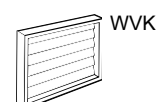
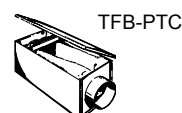
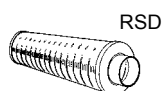
## DRM 355 L



| Typ :        | DRM 355 L              | IP54    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|---------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057560                 | DS1b    | $L_{WA \text{ tot}}$                  | -19       | -3        | 0         |
| $\square$ :  | 19 kg                  | GS 2    | 125 Hz                                | -41       | -13       | -20       |
| U :          | 400 V 50 Hz            | RTD 1,2 | 250 Hz                                | -28       | -8        | -6        |
| $P_1$ :      | 0,57 kW                | SAD 9   | 500 Hz                                | -24       | -7        | -9        |
| $I_N$ :      | 1,05 A                 |         | 1 kHz                                 | -23       | -12       | -5        |
| n :          | 1370 min <sup>-1</sup> |         | 2 kHz                                 | -27       | -13       | -7        |
| $C_{400V}$ : | - $\mu\text{F}$        |         | 4 kHz                                 | -33       | -20       | -9        |
| $t_R$ :      | 60 °C                  |         | 8 kHz                                 | -43       | -27       | -18       |



Zubehör Seite / Accessories page 70-73

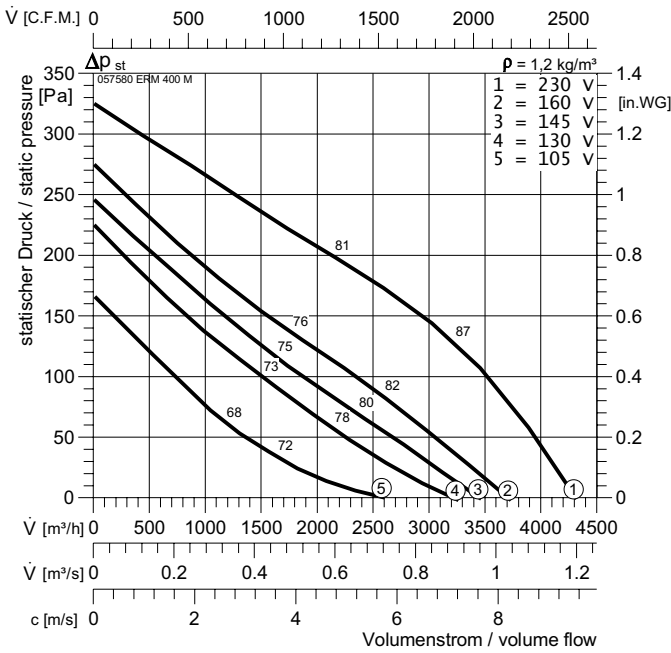




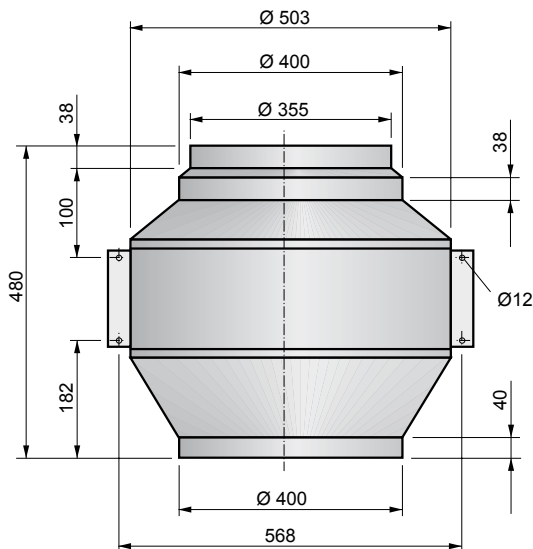
ERM, DRM



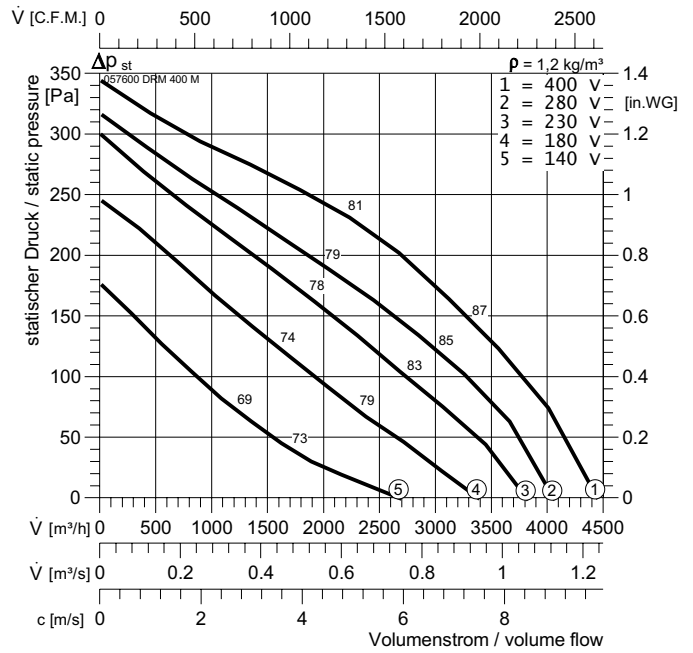
## ERM 400 M



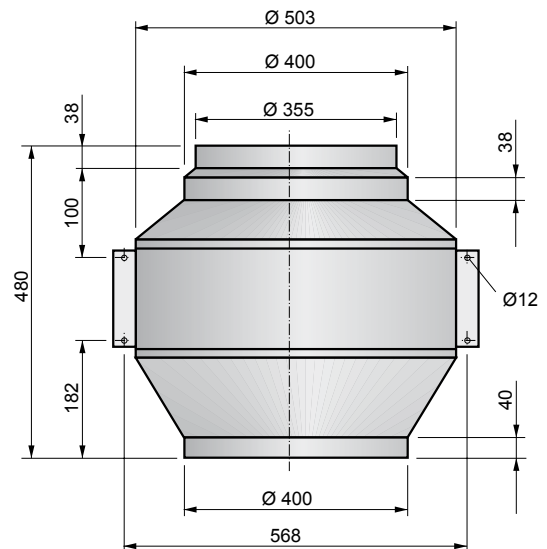
| Typ :        | ERM 400 M              | IP54     | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057580                 | E13      | $L_{WA \text{ tot}}$                  | -19       | -4        | 0         |
| $\square$ :  | 21 kg                  | GS 1     | 125 Hz                                | -33       | -13       | -8        |
| U :          | 230 V 50 Hz            | NE 3,2   | 250 Hz                                | -30       | -11       | -10       |
| $P_1$ :      | 0,52 kW                | RPE 06 A | 500 Hz                                | -25       | -9        | -6        |
| $I_N$ :      | 2,2 A                  |          | 1 kHz                                 | -23       | -13       | -5        |
| n :          | 1280 $\text{min}^{-1}$ |          | 2 kHz                                 | -27       | -14       | -9        |
| $C_{400V}$ : | 10 $\mu\text{F}$       |          | 4 kHz                                 | -36       | -21       | -18       |
| $t_R$ :      | 45 $^{\circ}\text{C}$  |          | 8 kHz                                 | -44       | -27       | -25       |



## DRM 400 M



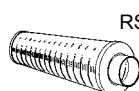
| Typ :        | DRM 400 M              | IP54    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|---------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057600                 | DS1b    | $L_{WA \text{ tot}}$                  | -19       | -4        | 0         |
| $\square$ :  | 19 kg                  | GS 2    | 125 Hz                                | -39       | -12       | -8        |
| U :          | 400 V 50 Hz            | RTD 1,2 | 250 Hz                                | -28       | -10       | -9        |
| $P_1$ :      | 0,57 kW                | SAD 9   | 500 Hz                                | -25       | -9        | -6        |
| $I_N$ :      | 1,05 A                 |         | 1 kHz                                 | -23       | -13       | -5        |
| n :          | 1390 $\text{min}^{-1}$ |         | 2 kHz                                 | -26       | -14       | -9        |
| $C_{400V}$ : | - $\mu\text{F}$        |         | 4 kHz                                 | -35       | -20       | -17       |
| $t_R$ :      | 65 $^{\circ}\text{C}$  |         | 8 kHz                                 | -44       | -27       | -24       |



Zubehör Seite / Accessories page 70-73



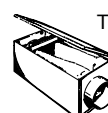
RSV



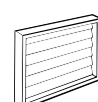
RSD



RVK

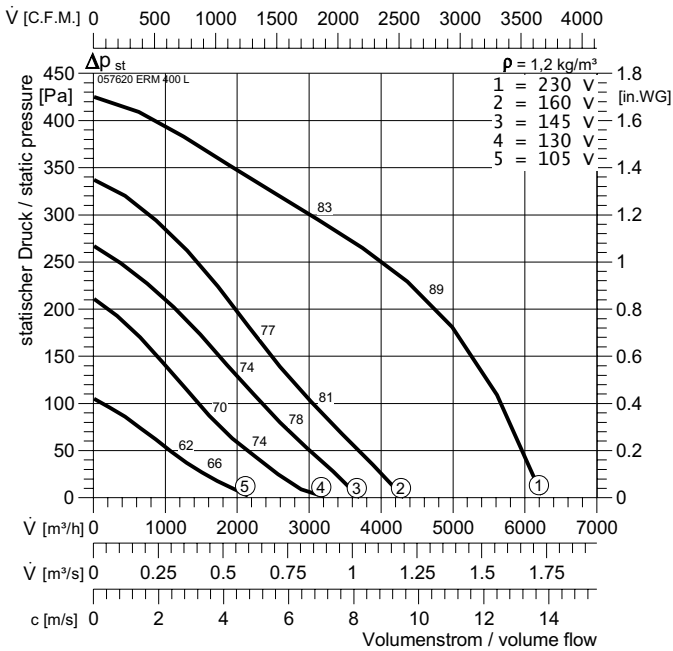


TFB-PTC

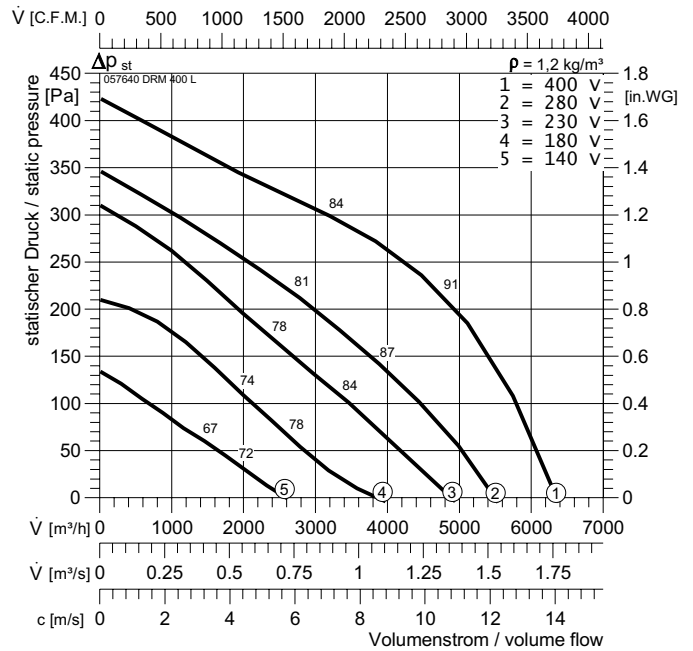


WVK

## ERM 400 L

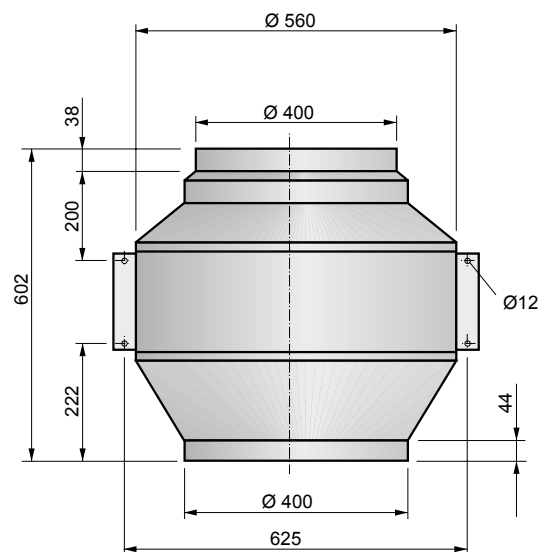
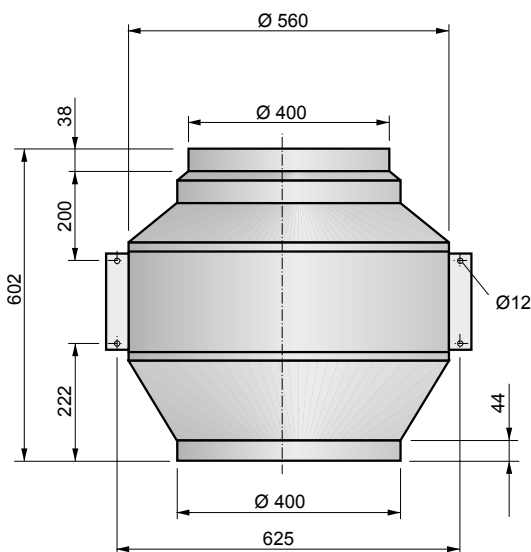


## DRM 400 L

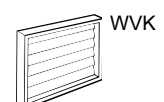
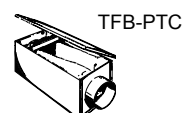
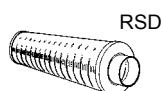


| Typ :        | ERM 400 L              | IP54     | $L_{WA\ rel}$<br>ΔdB | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|----------------------|-----------|-----------|-----------|
| ArtNr :      | 057620                 | E13      | $L_{WA\ tot}$        | -18       | -2        | 0         |
| :            | 32 kg                  | GS 1     | 125 Hz               | -42       | -13       | -7        |
| U :          | 230 V 50 Hz            | NE 5     | 250 Hz               | -29       | -8        | -9        |
| $P_1$ :      | 0,96 kW                | RPE 09 A | 500 Hz               | -25       | -8        | -7        |
| $I_N$ :      | 4,3 A                  |          | 1 kHz                | -21       | -9        | -6        |
| n :          | 1330 min <sup>-1</sup> |          | 2 kHz                | -26       | -12       | -10       |
| $C_{400V}$ : | 16 μF                  |          | 4 kHz                | -36       | -19       | -18       |
| $t_R$ :      | 40 °C                  |          | 8 kHz                | -45       | -28       | -26       |

| Typ :        | DRM 400 L              | IP54    | $L_{WA\ rel}$<br>ΔdB | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|---------|----------------------|-----------|-----------|-----------|
| ArtNr :      | 057640                 | DS1b    | $L_{WA\ tot}$        | -18       | -2        | 0         |
| :            | 29 kg                  | GS 2    | 125 Hz               | -42       | -13       | -7        |
| U :          | 400 V 50 Hz            | RTD 2,5 | 250 Hz               | -29       | -8        | -9        |
| $P_1$ :      | 0,89 kW                | SAD 9   | 500 Hz               | -25       | -8        | -7        |
| $I_N$ :      | 1,65 A                 |         | 1 kHz                | -21       | -9        | -6        |
| n :          | 1330 min <sup>-1</sup> |         | 2 kHz                | -26       | -12       | -10       |
| $C_{400V}$ : | - μF                   |         | 4 kHz                | -36       | -19       | -18       |
| $t_R$ :      | 50 °C                  |         | 8 kHz                | -45       | -28       | -26       |



Zubehör Seite / Accessories page 70-73

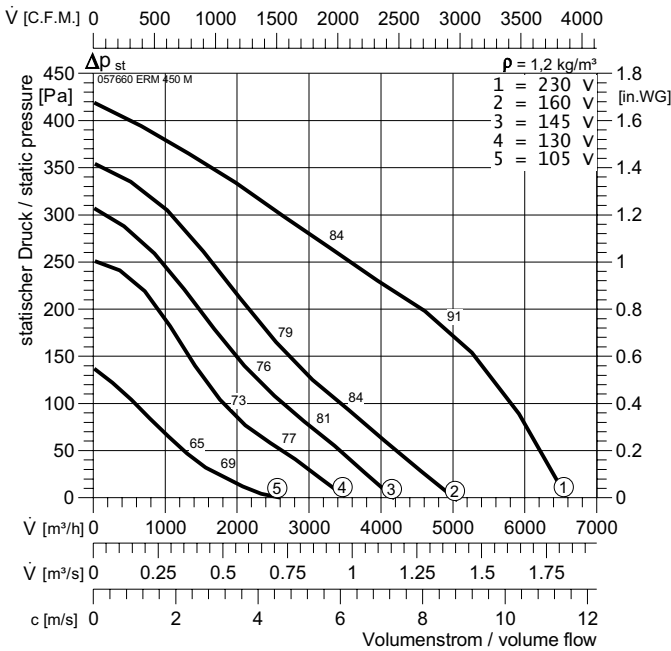




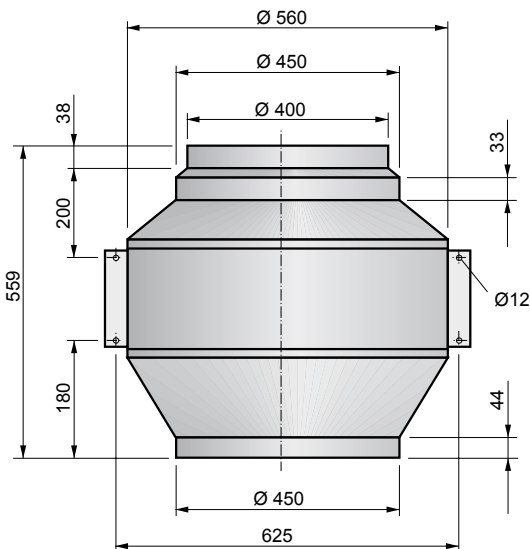
ERM, DRM



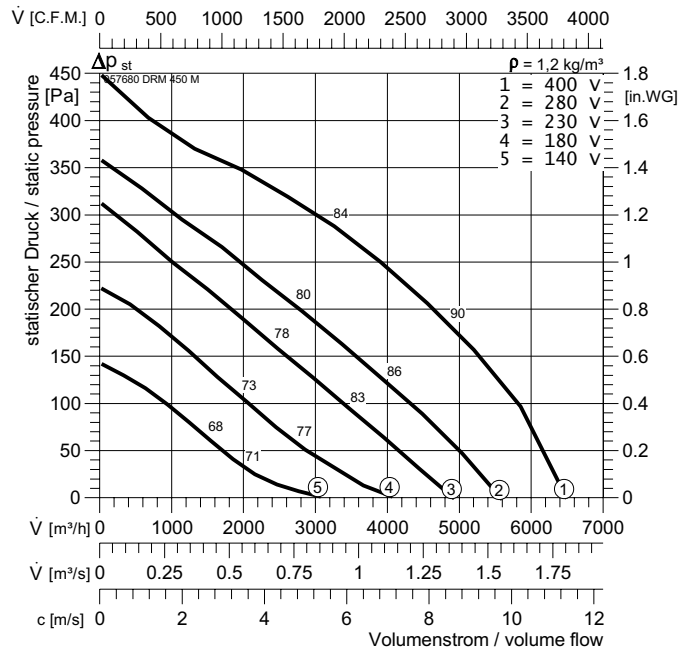
## ERM 450 M



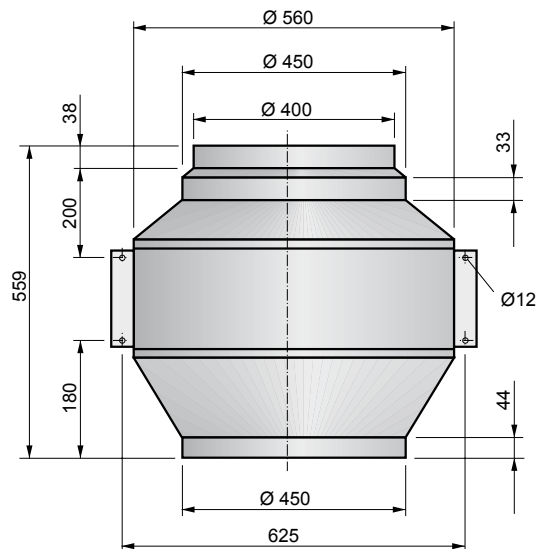
| Typ :        | ERM 450 M              | IP54     | $L_{WA \text{ rel}}$<br>$\Delta dB$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|----------|-------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057660                 | E13      | $L_{WA \text{ tot}}$                | -15       | -4        | 0         |
| $\square$ :  | 31 kg                  | GS 1     | 125 Hz                              | -40       | -14       | -10       |
| U :          | 230 V 50 Hz            | NE 5     | 250 Hz                              | -20       | -9        | -6        |
| $P_1$ :      | 0,922 kW               | RPE 09 A | 500 Hz                              | -23       | -10       | -5        |
| $I_N$ :      | 4,67 A                 |          | 1 kHz                               | -20       | -12       | -6        |
| n :          | 1305 min <sup>-1</sup> |          | 2 kHz                               | -25       | -15       | -11       |
| $C_{400V}$ : | 16 $\mu F$             |          | 4 kHz                               | -34       | -21       | -19       |
| $t_R$ :      | 40 °C                  |          | 8 kHz                               | -43       | -29       | -26       |



## DRM 450 M



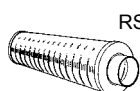
| Typ :        | DRM 450 M              | IP54    | $L_{WA \text{ rel}}$<br>$\Delta dB$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|---------|-------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057680                 | DS1b    | $L_{WA \text{ tot}}$                | -18       | -2        | 0         |
| $\square$ :  | 29 kg                  | GS 2    | 125 Hz                              | -46       | -14       | -10       |
| U :          | 400 V 50 Hz            | RTD 2,5 | 250 Hz                              | -28       | -7        | -10       |
| $P_1$ :      | 0,864 kW               | SAD 9   | 500 Hz                              | -24       | -8        | -4        |
| $I_N$ :      | 1,62 A                 |         | 1 kHz                               | -21       | -11       | -5        |
| n :          | 1320 min <sup>-1</sup> |         | 2 kHz                               | -27       | -13       | -10       |
| $C_{400V}$ : | - $\mu F$              |         | 4 kHz                               | -35       | -18       | -18       |
| $t_R$ :      | 50 °C                  |         | 8 kHz                               | -44       | -28       | -25       |



Zubehör Seite / Accessories page 70-73



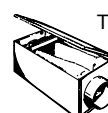
RSV



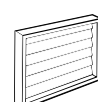
RSD



RVK

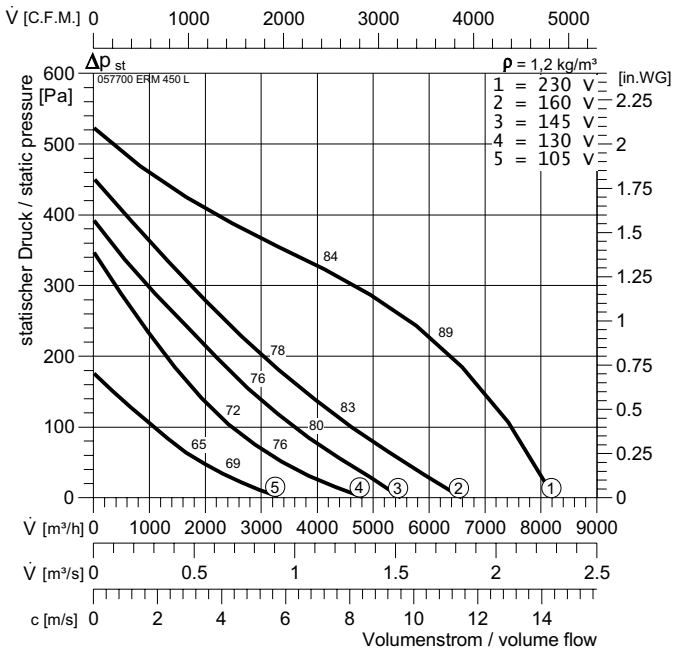


TFB-PTC

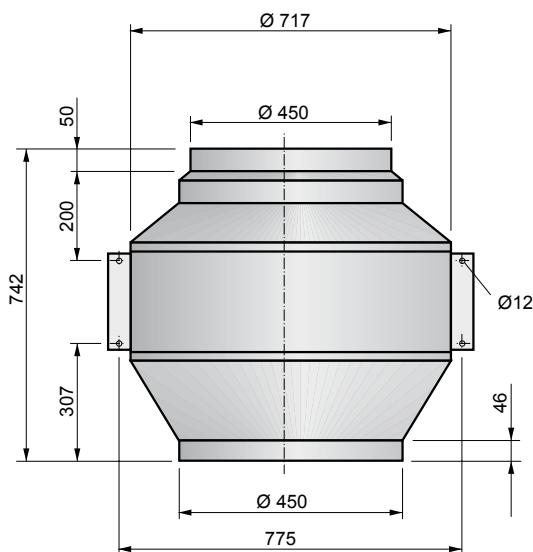


WVK

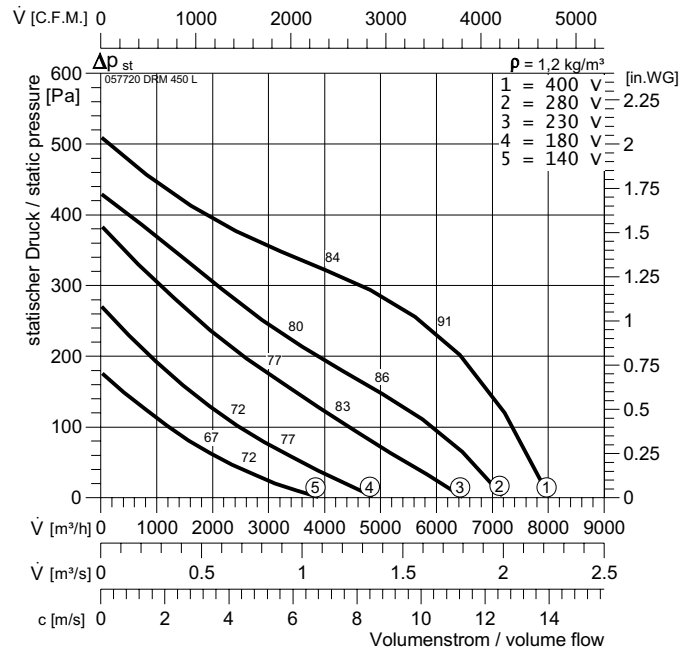
## ERM 450 L



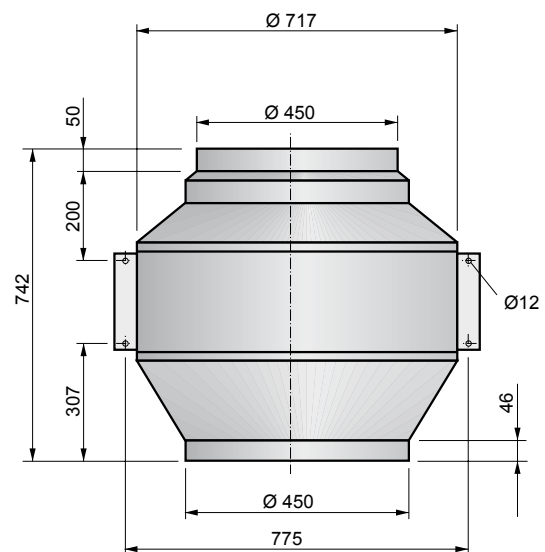
| Typ :        | ERM 450 L              | IP54   | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|--------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057700                 | E13    | $L_{WA \text{ tot}}$                  | -16       | 0         | 0         |
| $\square$ :  | 42 kg                  | GS 1   | 125 Hz                                | -31       | -10       | -6        |
| U :          | 230 V 50 Hz            | NE 7,5 | 250 Hz                                | -26       | -5        | -10       |
| $P_1$ :      | 1,398 kW               | SAE 20 | 500 Hz                                | -24       | -6        | -6        |
| $I_N$ :      | 6,16 A                 |        | 1 kHz                                 | -20       | -9        | -6        |
| n :          | 1290 $\text{min}^{-1}$ |        | 2 kHz                                 | -22       | -9        | -10       |
| $C_{400V}$ : | 30 $\mu\text{F}$       |        | 4 kHz                                 | -34       | -17       | -14       |
| $t_R$ :      | 40 $^{\circ}\text{C}$  |        | 8 kHz                                 | -44       | -26       | -24       |



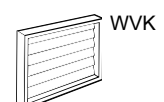
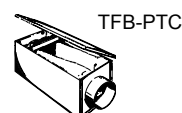
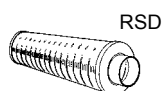
## DRM 450 L



| Typ :        | DRM 450 L              | IP54    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|---------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057720                 | DS1b    | $L_{WA \text{ tot}}$                  | -16       | 0         | 0         |
| $\square$ :  | 38 kg                  | GS 2    | 125 Hz                                | -32       | -11       | -7        |
| U :          | 400 V 50 Hz            | RTD 2,5 | 250 Hz                                | -31       | -5        | -11       |
| $P_1$ :      | 1,263 kW               | SAD 9   | 500 Hz                                | -23       | -6        | -7        |
| $I_N$ :      | 2,21 A                 |         | 1 kHz                                 | -20       | -8        | -6        |
| n :          | 1325 $\text{min}^{-1}$ |         | 2 kHz                                 | -21       | -9        | -9        |
| $C_{400V}$ : | - $\mu\text{F}$        |         | 4 kHz                                 | -33       | -16       | -15       |
| $t_R$ :      | 75 $^{\circ}\text{C}$  |         | 8 kHz                                 | -45       | -26       | -25       |



Zubehör Seite / Accessories page 70-73

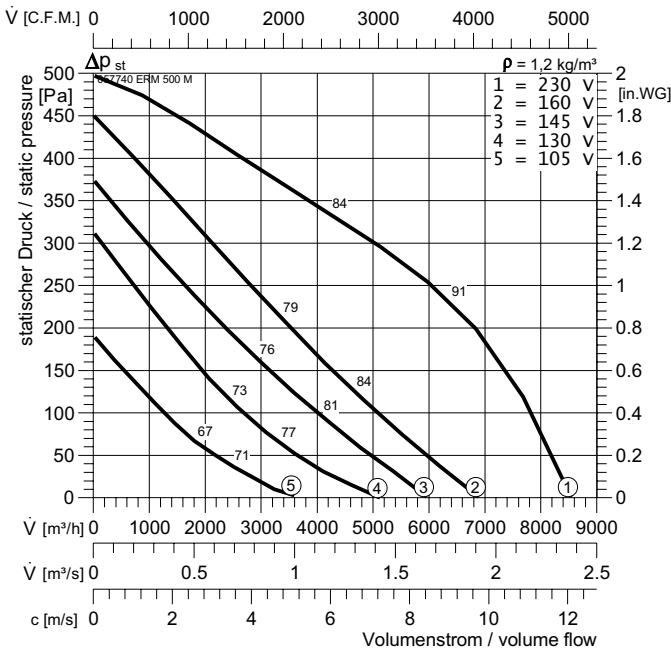




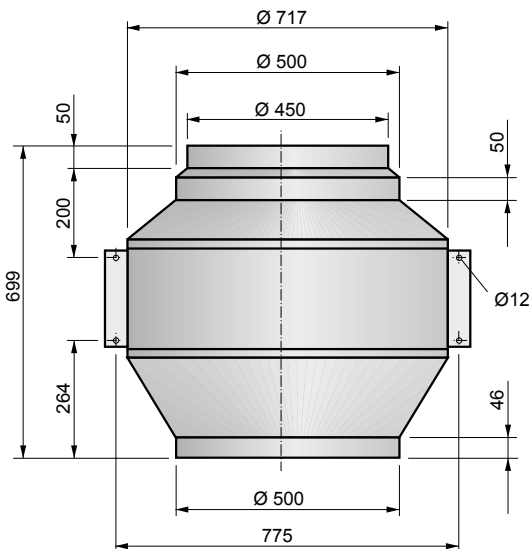
ERM, DRM



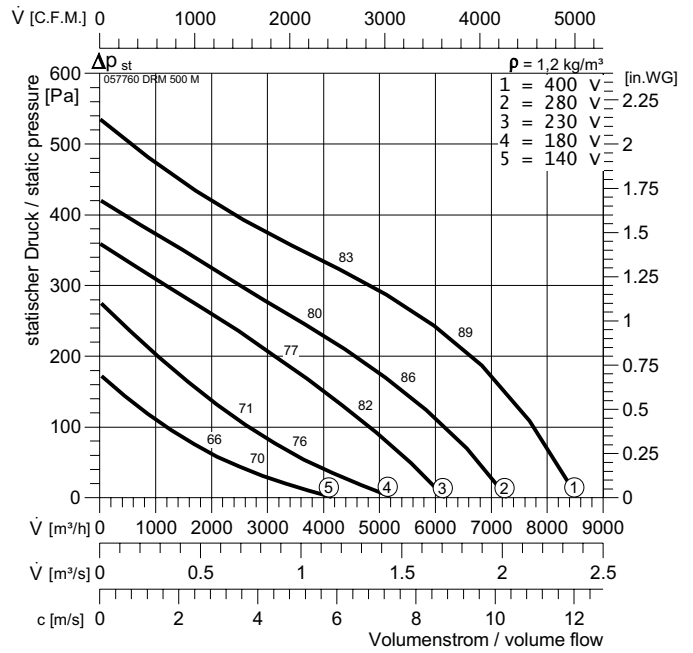
## ERM 500 M



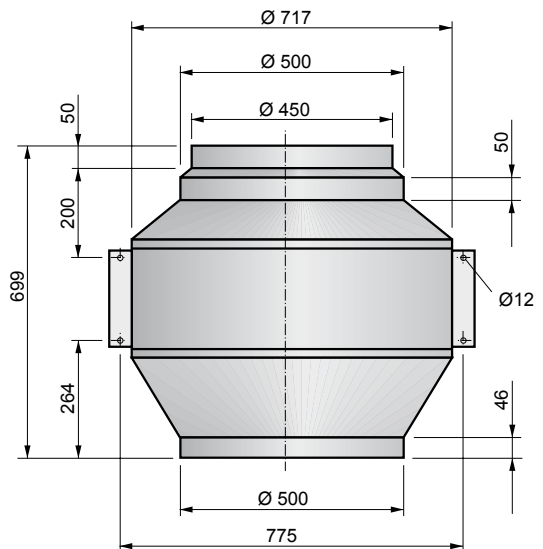
| Typ :        | ERM 500 M              | IP54   | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|--------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057740                 | E13    | $L_{WA \text{ tot}}$                  | -18       | -2        | 0         |
| $\square$ :  | 42 kg                  | GS 1   | 125 Hz                                | -33       | -13       | -7        |
| U :          | 230 V 50 Hz            | NE 7,5 | 250 Hz                                | -31       | -7        | -12       |
| $P_1$ :      | 1,385 kW               | SAE 20 | 500 Hz                                | -25       | -8        | -7        |
| $I_N$ :      | 6,1 A                  |        | 1 kHz                                 | -21       | -10       | -5        |
| n :          | 1290 min <sup>-1</sup> |        | 2 kHz                                 | -25       | -11       | -10       |
| $C_{400V}$ : | 30 $\mu\text{F}$       |        | 4 kHz                                 | -39       | -18       | -16       |
| $t_R$ :      | 40 °C                  |        | 8 kHz                                 | -47       | -28       | -26       |



## DRM 500 M



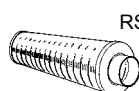
| Typ :        | DRM 500 M              | IP54    | $L_{WA \text{ rel}} \Delta \text{dB}$ | $L_{WA2}$ | $L_{WA5}$ | $L_{WA6}$ |
|--------------|------------------------|---------|---------------------------------------|-----------|-----------|-----------|
| ArtNr :      | 057760                 | DS1b    | $L_{WA \text{ tot}}$                  | -18       | 0         | 0         |
| $\square$ :  | 39 kg                  | GS 2    | 125 Hz                                | -39       | -11       | -8        |
| U :          | 400 V 50 Hz            | RTD 2,5 | 250 Hz                                | -32       | -5        | -11       |
| $P_1$ :      | 1,267 kW               | SAD 9   | 500 Hz                                | -25       | -6        | -7        |
| $I_N$ :      | 2,23 A                 |         | 1 kHz                                 | -21       | -9        | -4        |
| n :          | 1330 min <sup>-1</sup> |         | 2 kHz                                 | -24       | -9        | -9        |
| $C_{400V}$ : | - $\mu\text{F}$        |         | 4 kHz                                 | -37       | -16       | -16       |
| $t_R$ :      | 75 °C                  |         | 8 kHz                                 | -43       | -26       | -25       |



Zubehör Seite / Accessories page 70-73



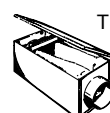
RSV



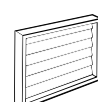
RSD



RVK



TFB-PTC



WVK