

### Typenschlüssel

### Fan type code



**R K 100 M**

Motorversion / Motor type  
M, L

Nennweite / Impeller diameter  
100...500

Gehäuse / Casing  
S = Stahl / Steel  
K = Kunststoff / Plastic

Rohrventilator / Inline tube fan

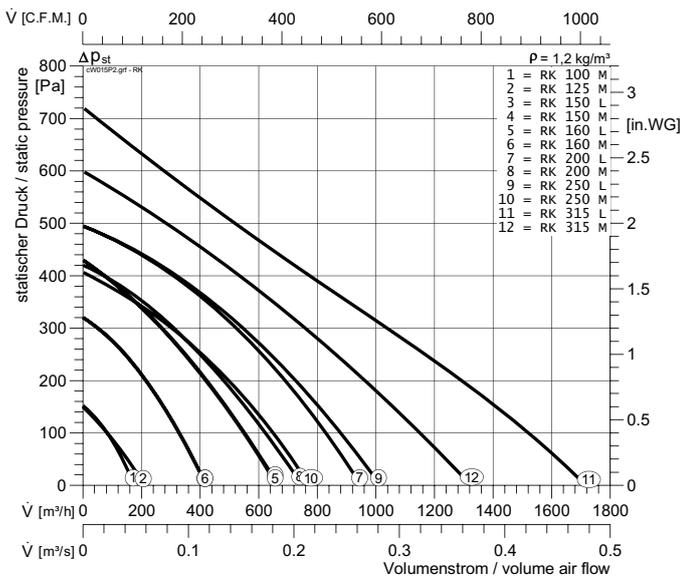
Motorversion / Motor type

E = Einphasenwechselstrom / Single-phase A.C. 220 V

D = Drehstrom / Three-phase

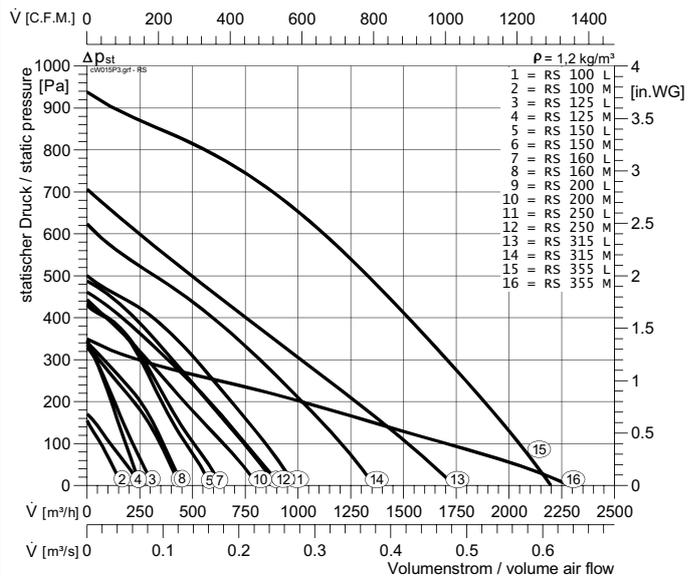
### Schnellauswahl

#### RK

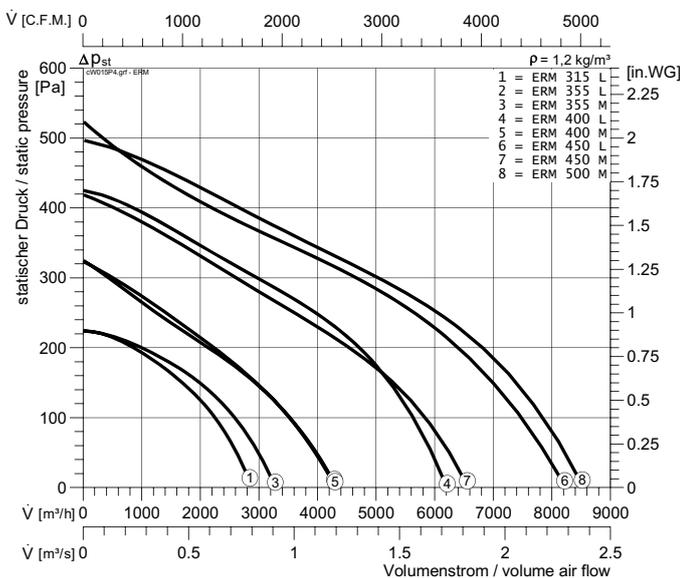


### Quick selection

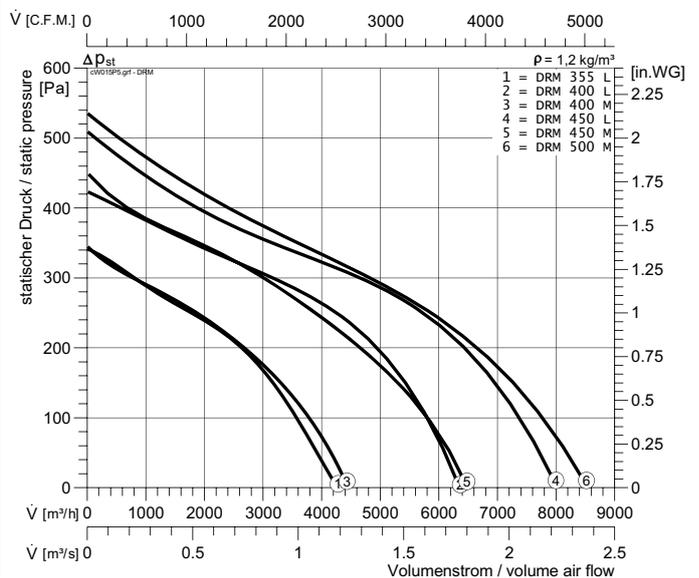
#### RS



#### 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.

#### Lauftrad

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 Temperaturwächter 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 angeschlossen) aufgenommen und zeigen die statische Druckerhöhung  $\Delta p_{st}$  als Funktion des Volumenstroms. Der dynamische Druck  $p_{d2}$  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  $p_{d2}$  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.

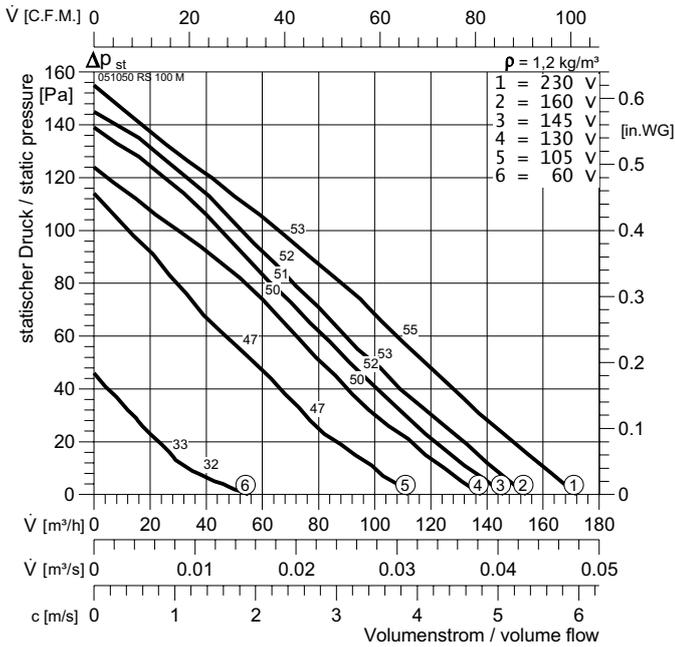
$$L_{WAOKt} = L_{WA6} + L_{WArel}$$

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  $0,5 \times V_{max}$ .

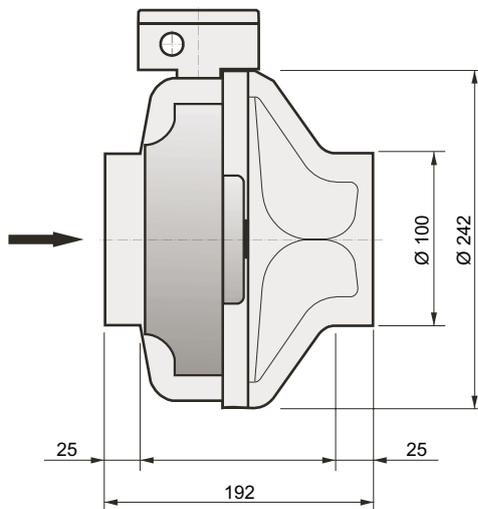
The A-weighted sound pressure level  $L_{PA}$  at a distance of 1 metre is obtained approximately by deducting 7 dB(A) from the A-weighted sound power level  $L_{WA}$ .

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

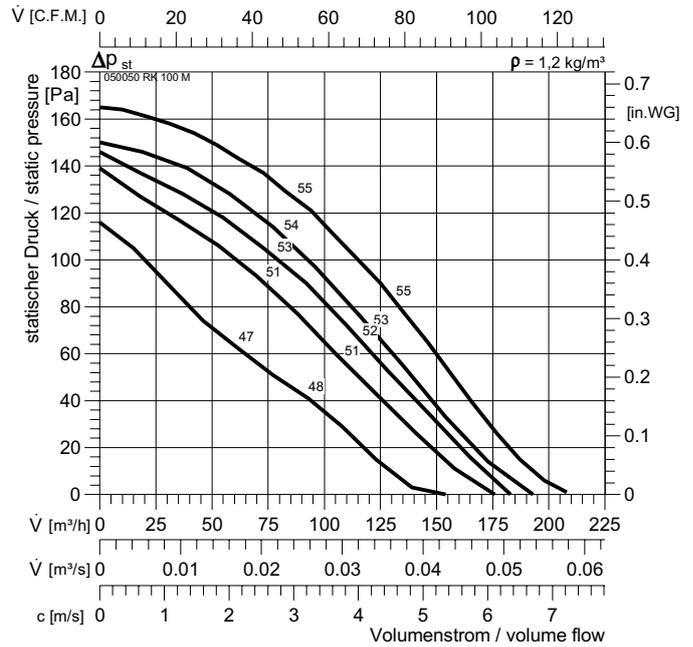
## RS 100 M



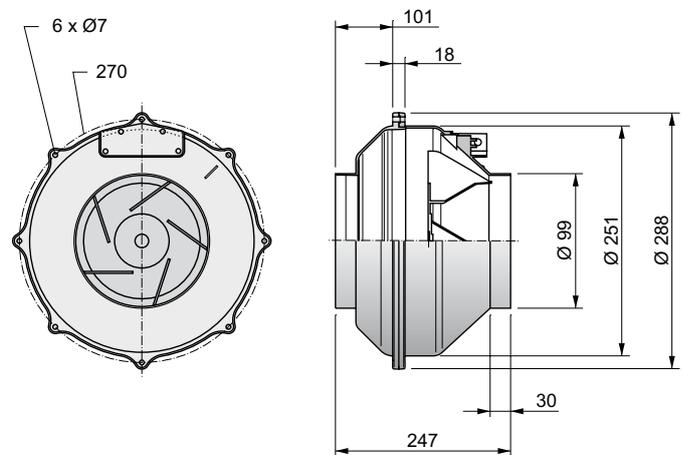
Typ :	<b>RS 100 M</b>		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051050		E11	$L_{WA,tot}$	-15	-1	0
	2,1 kg		GS 1	125 Hz	-24	-15	-15
U :	230 V 50 Hz		NE 1,5	250 Hz	-21	-7	-8
$P_1$ :	0,023 kW		RPE 02 A	500 Hz	-22	-6	-5
$I_N$ :	0,11 A			1 kHz	-22	-7	-5
n :	2695 min <sup>-1</sup>			2 kHz	-22	-10	-8
$C_{400V}$ :	1 μF			4 kHz	-31	-19	-16
$t_R$ :	70 °C			8 kHz	-36	-28	-26



## RK 100 M



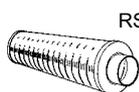
Typ :	<b>RK 100 M</b>		IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050050		E11	$L_{WA,tot}$	-17	-1	0
	1,95 kg		GS 1	125 Hz	-35	-15	-14
U :	230 V 50 Hz		NE 0,5	250 Hz	-27	-3	-2
$P_1$ :	0,023 kW		RPE 02	500 Hz	-22	-7	-6
$I_N$ :	0,11 A			1 kHz	-24	-10	-9
n :	2695 min <sup>-1</sup>			2 kHz	-25	-16	-15
$C_{400V}$ :	1 μF			4 kHz	-29	-23	-22
$t_R$ :	70 °C			8 kHz	-34	-31	-30



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RSV



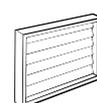
RSD



RVK



TFB-PTC



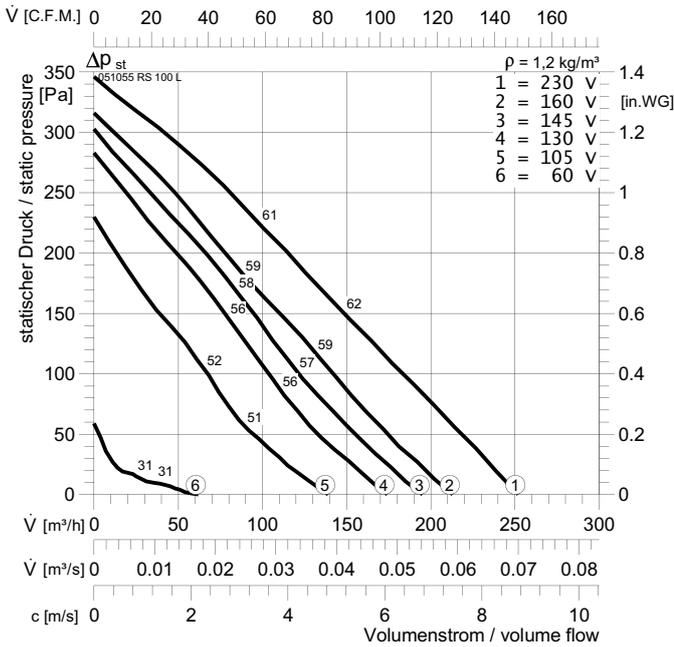
WVK



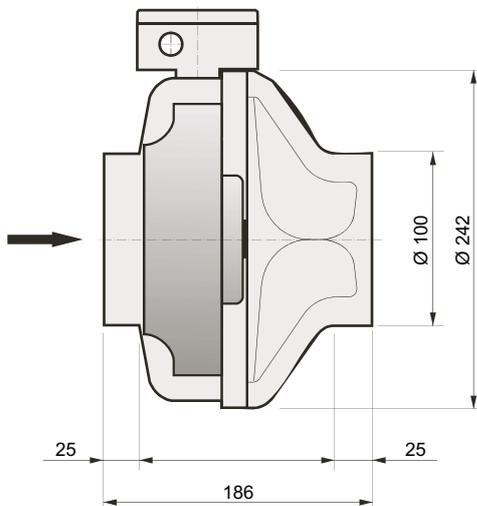
RS, RK



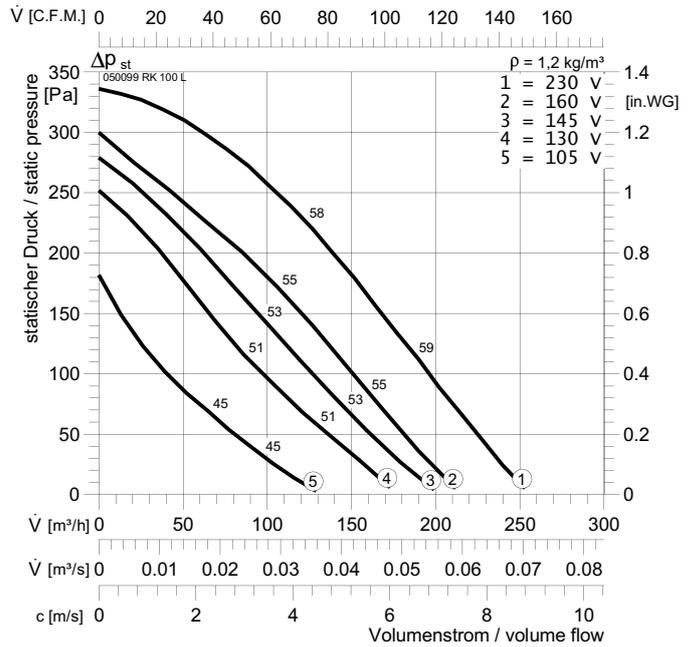
## RS 100 L



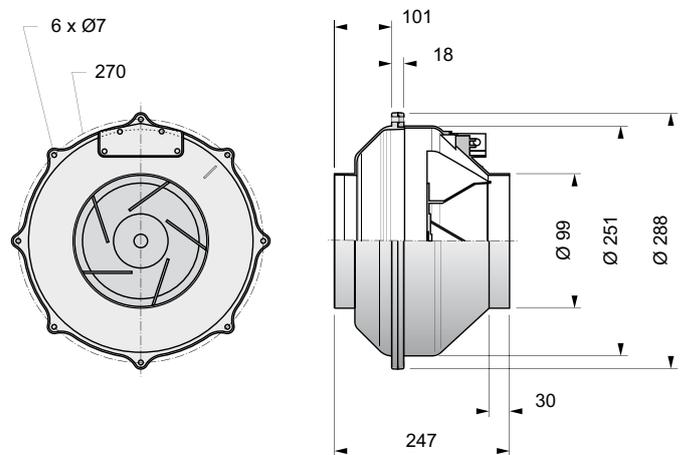
Typ :	RS 100 L		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051055		E11	$L_{WA,tot}$	-14	0	0
	3,3 kg		GS 1	125 Hz	-26	-17	-18
U :	230 V 50 Hz		NE 0,5	250 Hz	-20	-9	-8
P <sub>1</sub> :	0,065 kW		RPE 02	500 Hz	-21	-6	-6
I <sub>N</sub> :	0,30 A			1 kHz	-20	-5	-5
n :	2470 min <sup>-1</sup>			2 kHz	-21	-8	-7
C <sub>400V</sub> :	2 μF			4 kHz	-29	-11	-12
t <sub>R</sub> :	70 °C			8 kHz	-36	-21	-22



## RK 100 L



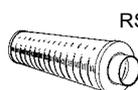
Typ :	RK 100 L		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050099		E11	$L_{WA,tot}$	-17	-1	0
	1,95 kg		GS 1	125 Hz	-35	-15	-14
U :	230 V 50 Hz		NE 0,5	250 Hz	-27	-3	-2
P <sub>1</sub> :	0,058 kW		RPE 02	500 Hz	-22	-7	-6
I <sub>N</sub> :	0,26 A			1 kHz	-24	-10	-9
n :	2670 min <sup>-1</sup>			2 kHz	-25	-16	-15
C <sub>400V</sub> :	2 μF			4 kHz	-29	-23	-22
t <sub>R</sub> :	70 °C			8 kHz	-34	-31	-30



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RSV



RSD



RVK

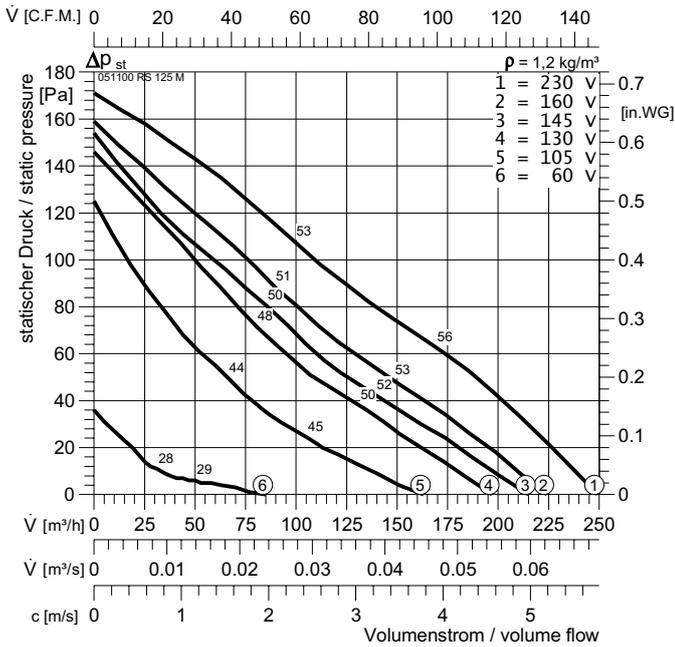


TFB-PTC

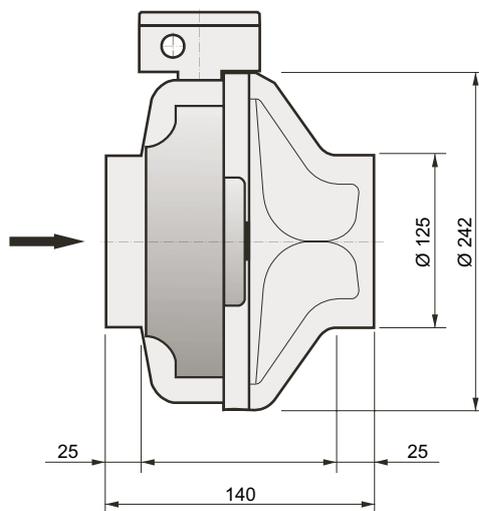


WVK

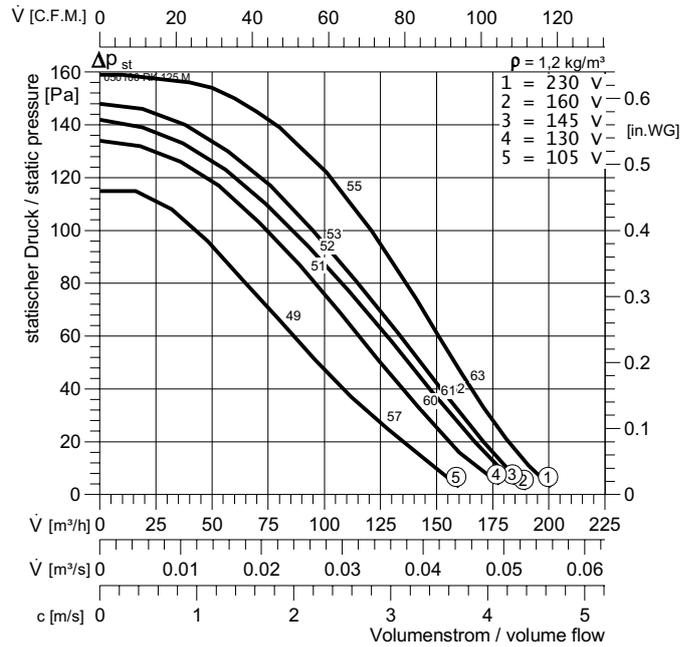
## RS 125 M



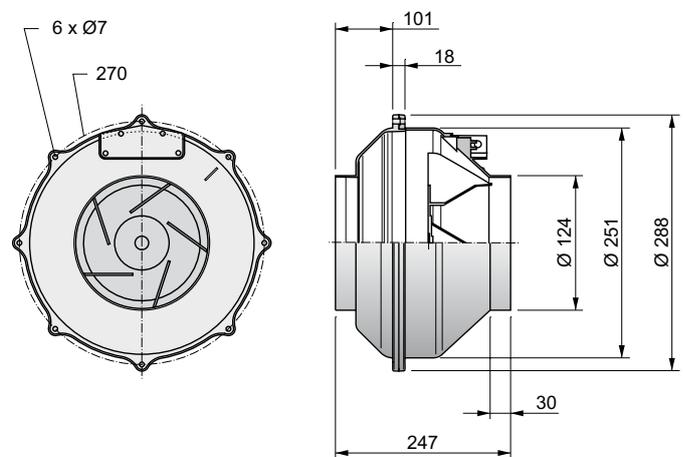
Typ :	RS 125 M	⚠	IP 44	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051100	★	E11	$L_{WA,tot}$	-15	-1	0
:	2,2 kg		GS 1	125 Hz	-24	-15	-15
U :	230 V 50 Hz		NE 0,5	250 Hz	-21	-7	-8
$P_1$ :	0,023 kW		RPE 02 A	500 Hz	-22	-6	-5
$I_N$ :	0,11 A			1 kHz	-23	-7	-5
n :	2695 min <sup>-1</sup>			2 kHz	-23	-10	-8
$C_{400V}$ :	1 $\mu F$			4 kHz	-32	-19	-16
$t_R$ :	70 °C			8 kHz	-37	-28	-26



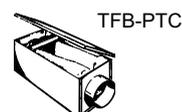
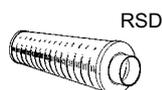
## RK 125 M



Typ :	RK 125 M	⚠	IP44	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050100	★	E11	$L_{WA,tot}$	-20	-1	0
:	2,05 kg		GS 1	125 Hz	-28	-13	-12
U :	230 V 50 Hz		NE 0,5	250 Hz	-31	-5	-4
$P_1$ :	0,023 kW		RPE 02	500 Hz	-27	-6	-5
$I_N$ :	0,11 A			1 kHz	-27	-13	-12
n :	2695 min <sup>-1</sup>			2 kHz	-26	-10	-9
$C_{400V}$ :	1 $\mu F$			4 kHz	-31	-21	-20
$t_R$ :	70 °C			8 kHz	-37	-27	-26



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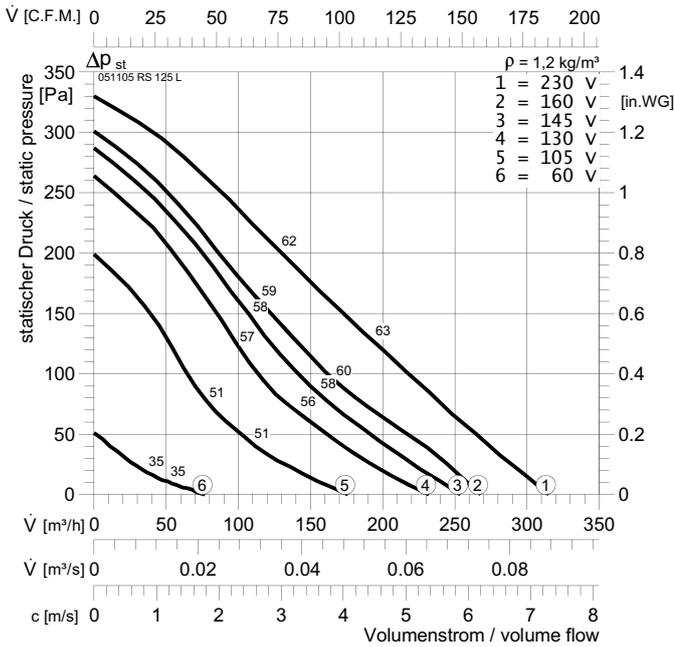




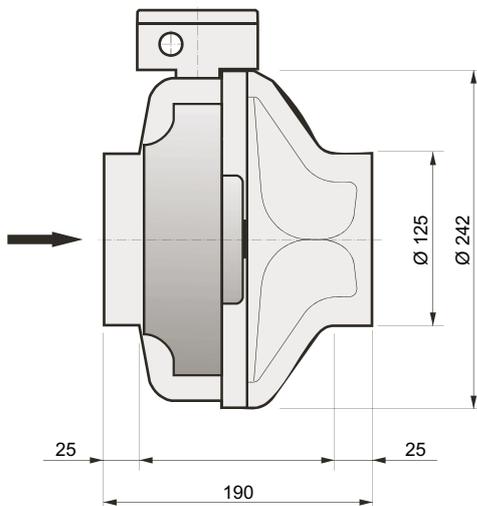
RS, RK



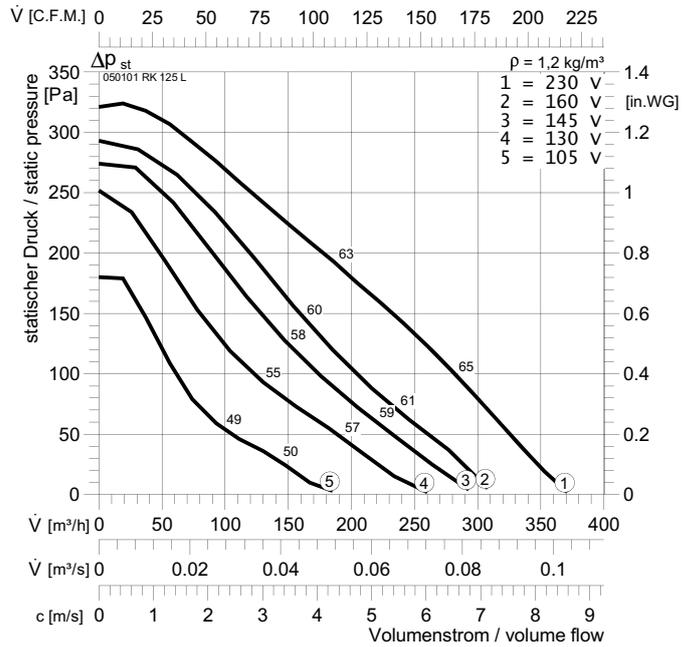
## RS 125 L



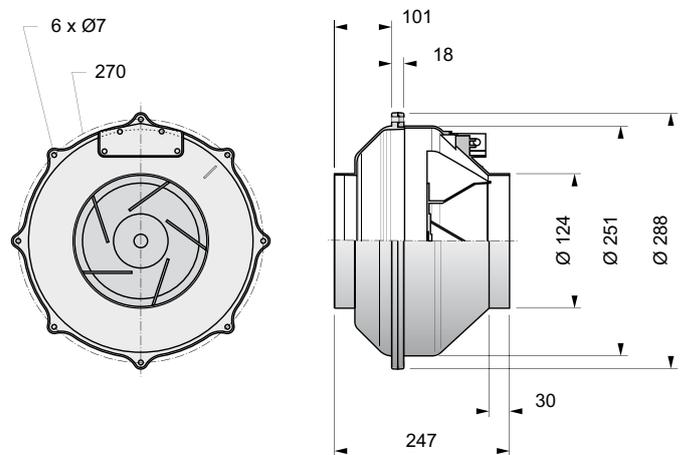
Typ :	RS 125 L	⚠	IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051105	★	E11	$L_{WA,tot}$	-14	0	0
:	3,3 kg		GS 1	125 Hz	-27	-15	-16
<b>U :</b>	230 V 50 Hz		NE 0,5	250 Hz	-21	-10	-8
<b>P<sub>1</sub> :</b>	0,065 kW		RPE 02 A	500 Hz	-21	-7	-7
<b>I<sub>N</sub> :</b>	0,3 A			1 kHz	-20	-4	-5
<b>n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



## RK 125 L



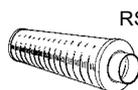
Typ :	RK 125 L	⚠	IP54	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050101	★	E11	$L_{WA,tot}$	-20	-1	0
:	2,05 kg		GS 1	125 Hz	-28	-13	-12
<b>U :</b>	230 V 50 Hz		NE 0,5	250 Hz	-31	-5	-4
<b>P<sub>1</sub> :</b>	0,062 kW		RPE 02 A	500 Hz	-27	-6	-5
<b>I<sub>N</sub> :</b>	0,29 A			1 kHz	-27	-13	-12
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



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RSV



RSD



RVK

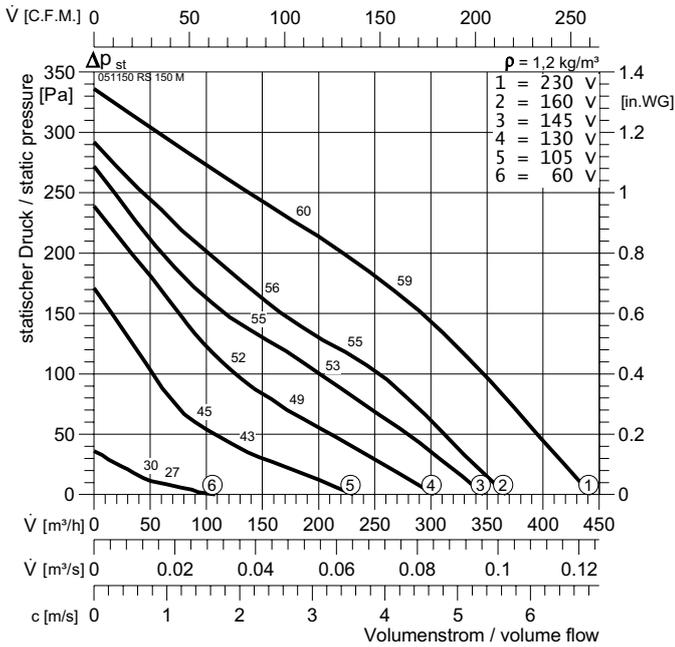


TFB-PTC

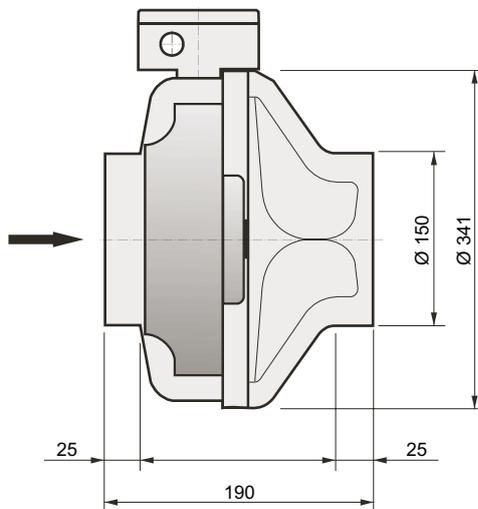


WVK

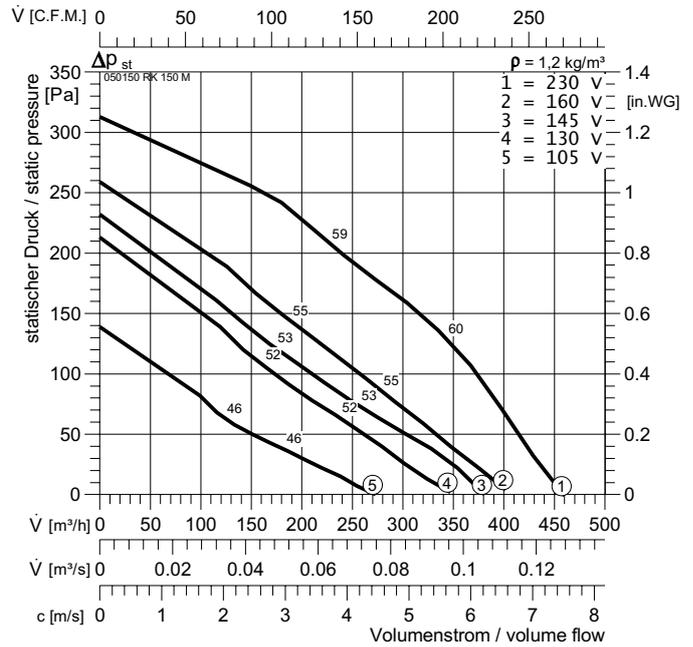
## RS 150 M



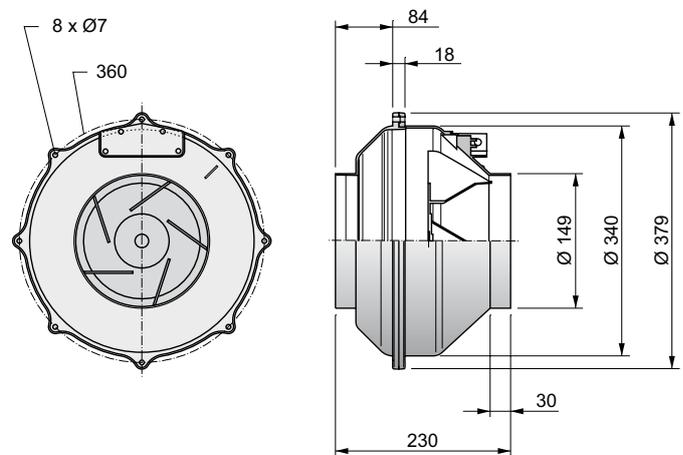
Typ :	<b>RS 150 M</b>		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051150		E11	$L_{WA,tot}$	-10	2	0
	3,7 kg		GS 1	125 Hz	-25	-17	-23
U :	230 V 50 Hz		NE 0,5	250 Hz	-19	-6	-10
$P_1$ :	0,07 kW		RPE 02	500 Hz	-15	-4	-9
$I_N$ :	0,3 A			1 kHz	-16	-4	-6
n :	2420 min <sup>-1</sup>			2 kHz	-16	-5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



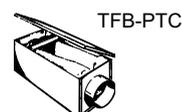
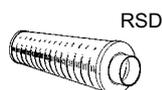
## RK 150 M



Typ :	<b>RK 150 M</b>		IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050150		E11	$L_{WA,tot}$	-14	-1	0
	3,2 kg		GS 1	125 Hz	-31	-12	-11
U :	230 V 50 Hz		NE 1,5	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 μF			4 kHz	-25	-17	-16
$t_R$ :	70 °C			8 kHz	-29	-29	-28



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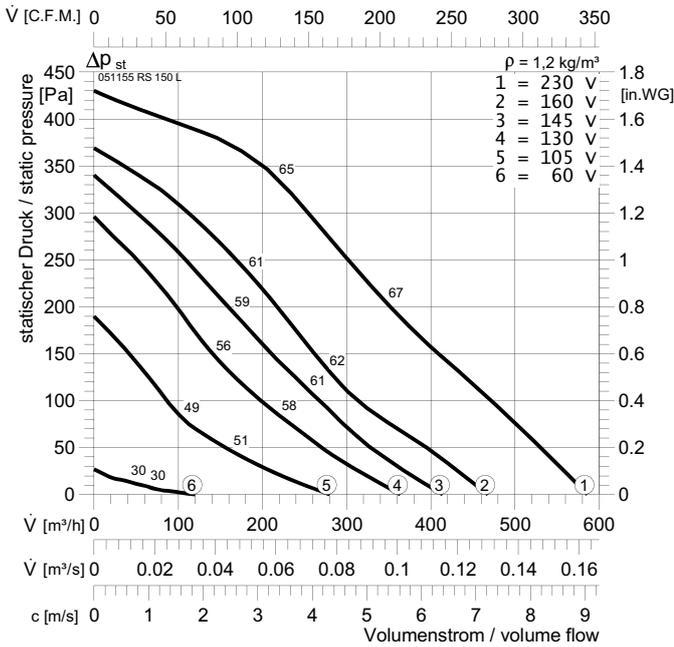




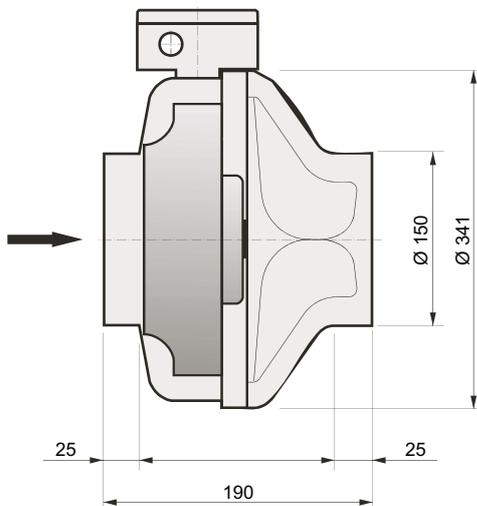
RS, RK



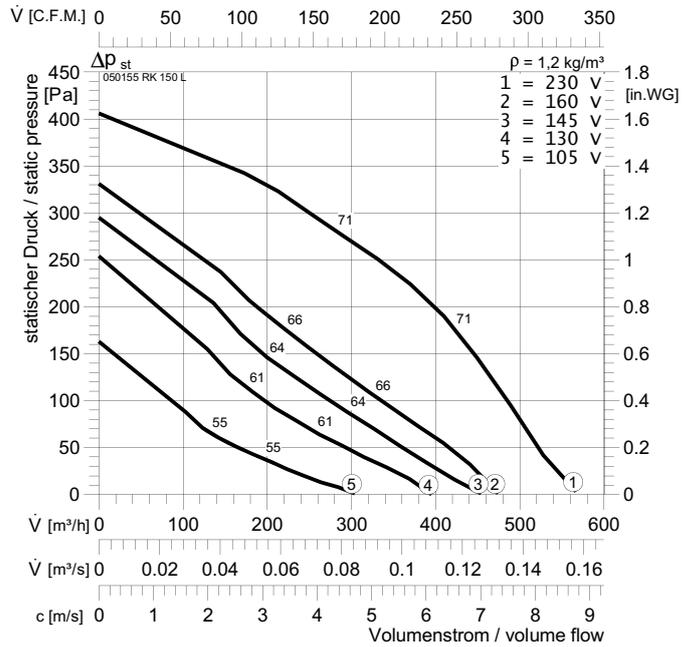
## RS 150 L



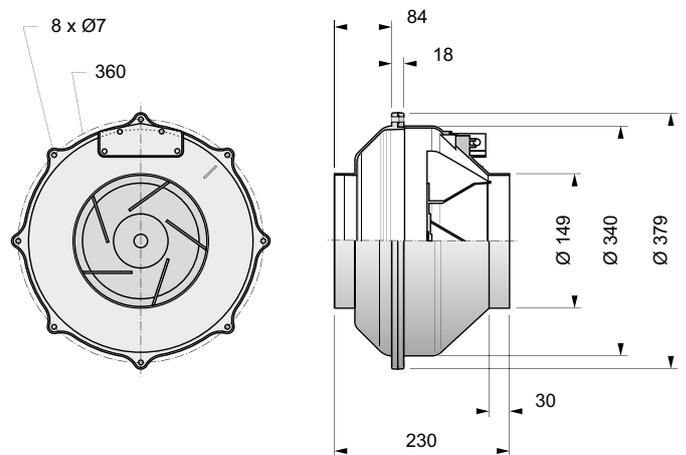
Typ :	RS 150 L		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051155		E11	$L_{WA,tot}$	-10	2	0
	4,8 kg		GS 1	125 Hz	-25	-17	-23
U :	230 V 50 Hz		NE 1,5	250 Hz	-19	-6	-10
P <sub>1</sub> :	0,1 kW		RPE 02 A	500 Hz	-15	-4	-9
I <sub>N</sub> :	0,44 A			1 kHz	-16	-4	-6
n :	2585 min <sup>-1</sup>			2 kHz	-16	-5	-4
C <sub>400V</sub> :	3 μF			4 kHz	-26	-8	-9
t <sub>R</sub> :	60 °C			8 kHz	-33	-15	-19



## RK 150 L



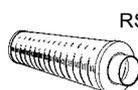
Typ :	RK 150 L		IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050155		E11	$L_{WA,tot}$	-13	-1	0
	3,8 kg		GS 1	125 Hz	-35	-18	-17
U :	230 V 50 Hz		NE 1,5	250 Hz	-33	-5	-4
P <sub>1</sub> :	0,089 kW		RPE 02 A	500 Hz	-17	-6	-5
I <sub>N</sub> :	0,39 A			1 kHz	-18	-7	-6
n :	2525 min <sup>-1</sup>			2 kHz	-24	-13	-12
C <sub>400V</sub> :	3 μF			4 kHz	-20	-18	-17
t <sub>R</sub> :	70 °C			8 kHz	-24	-26	-25



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RSV



RSD



RVK

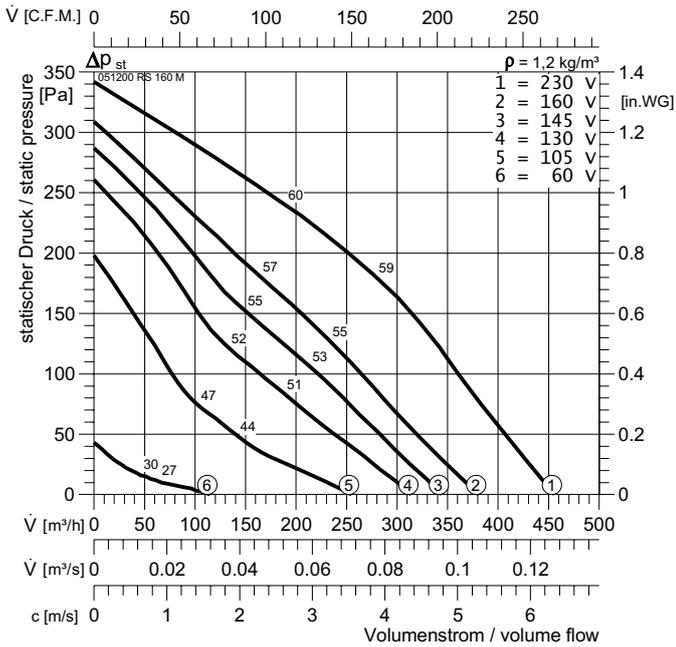


TFB-PTC

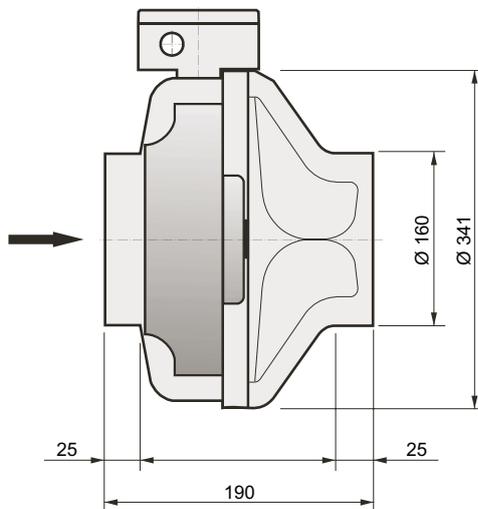


WVK

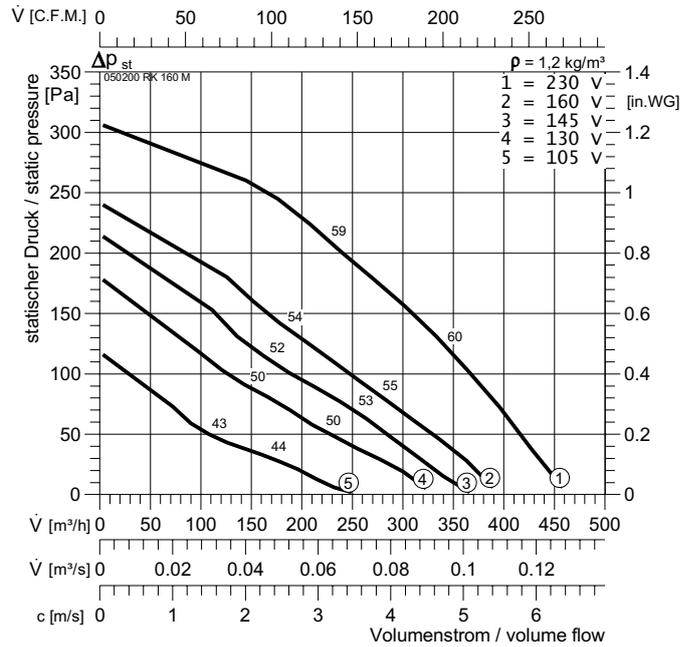
## RS 160 M



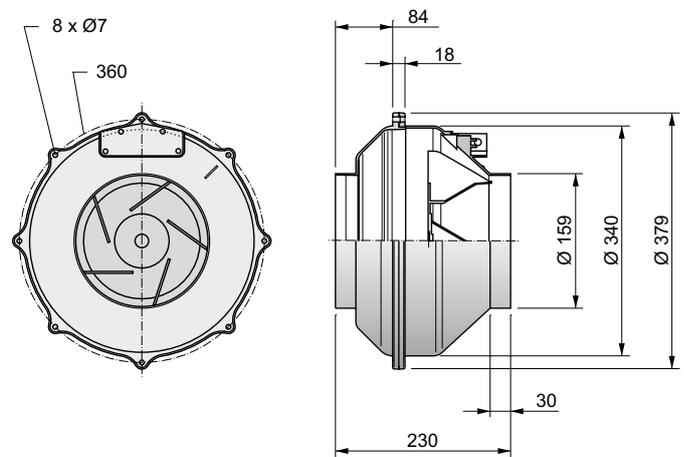
Typ :	<b>RS 160 M</b>		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051200		E11	$L_{WA,tot}$	-13	2	0
	3,7 kg		GS 1	125 Hz	-21	-15	-15
U :	230 V 50 Hz		NE 1,5	250 Hz	-19	-7	-7
$P_1$ :	0,063 kW		RPE 02 A	500 Hz	-19	-3	-7
$I_N$ :	0,28 A			1 kHz	-20	-4	-5
n :	2475 min <sup>-1</sup>			2 kHz	-23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



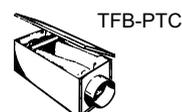
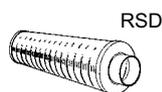
## RK 160 M



Typ :	<b>RK 160 M</b>		IP 54	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050200		E11	$L_{WA,tot}$	-14	-1	0
	3,25 kg		GS 1	125 Hz	-31	-12	-11
U :	230 V 50 Hz		NE 1,5	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 $\mu$ F			4 kHz	-25	-17	-16
$t_R$ :	70 °C			8 kHz	-29	-29	-28



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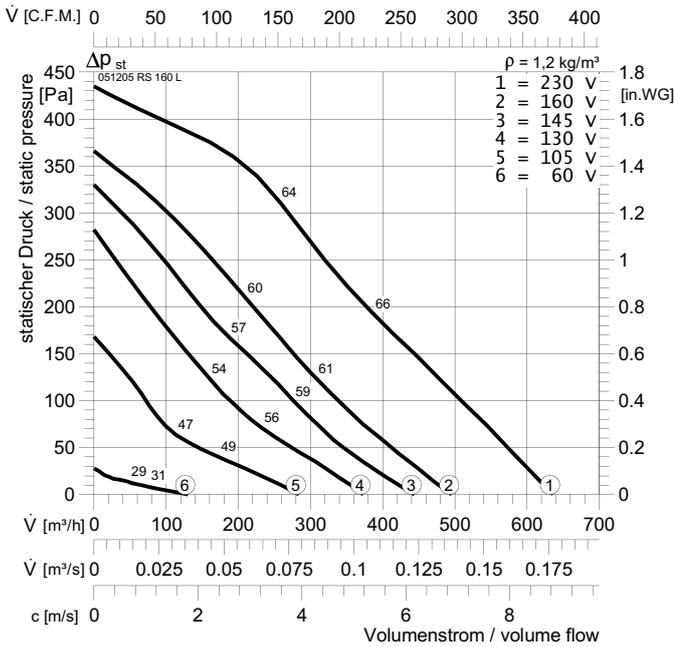




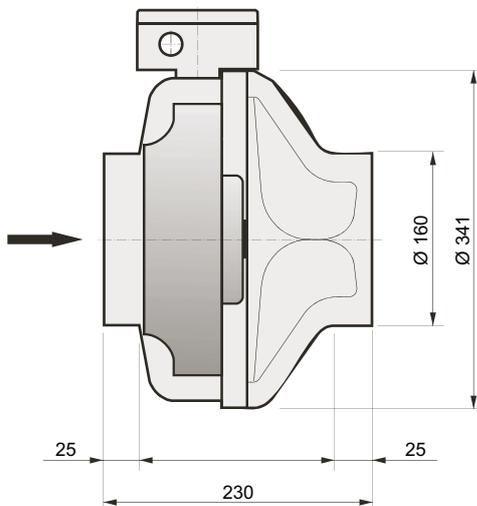
RS, RK



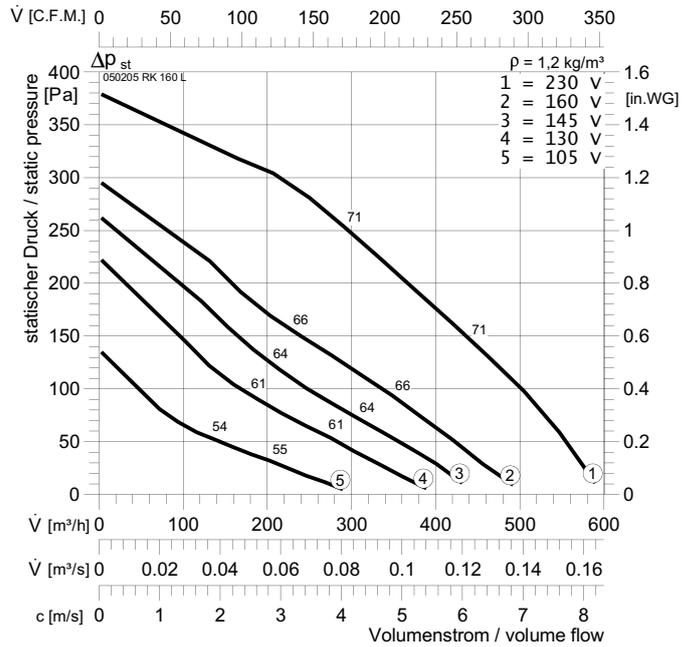
## RS 160 L



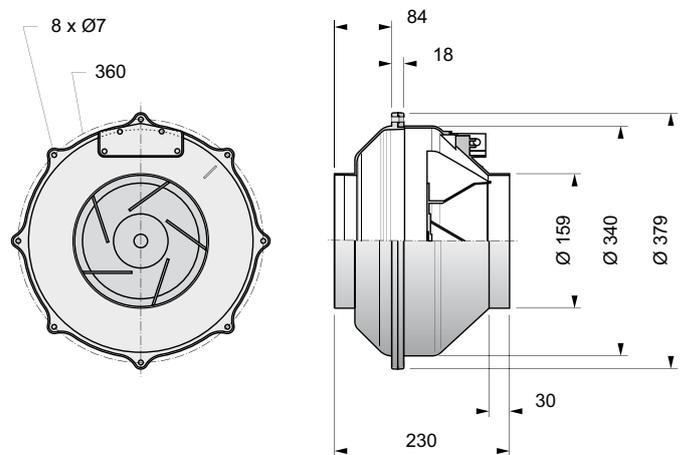
Typ :	RS 160 L		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051205		E11	$L_{WA,tot}$	-13	2	0
	4,8 kg		GS 1	125 Hz	-21	-15	-15
U :	230 V 50 Hz		NE 0,5	250 Hz	-19	-7	-7
P <sub>1</sub> :	0,11 kW		RPE 02	500 Hz	-19	-3	-7
I <sub>N</sub> :	0,47 A			1 kHz	-20	-4	-5
n :	2500 min <sup>-1</sup>			2 kHz	-23	-4	-7
C <sub>400V</sub> :	3 μF			4 kHz	-27	-12	-13
t <sub>R</sub> :	60 °C			8 kHz	-36	-20	-22



## RK 160 L



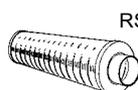
Typ :	RK 160 L		IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050205		E11	$L_{WA,tot}$	-13	-1	0
	3,8 kg		GS 1	125 Hz	-35	-18	-17
U :	230 V 50 Hz		NE 1,5	250 Hz	-33	-5	-4
P <sub>1</sub> :	0,089 kW		RPE 02 A	500 Hz	-17	-6	-5
I <sub>N</sub> :	0,39 A			1 kHz	-18	-7	-6
n :	2525 min <sup>-1</sup>			2 kHz	-24	-13	-12
C <sub>400V</sub> :	3 μF			4 kHz	-20	-18	-17
t <sub>R</sub> :	70 °C			8 kHz	-24	-26	-25



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RSV



RSD



RVK

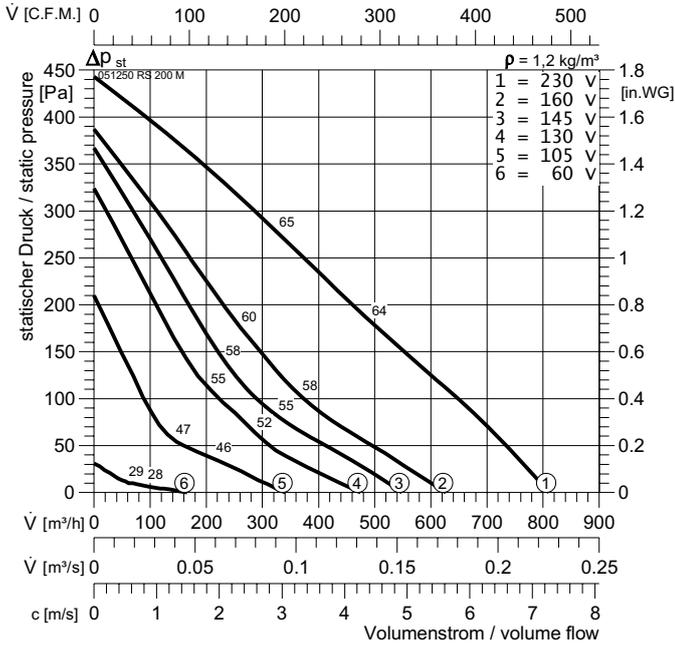


TFB-PTC

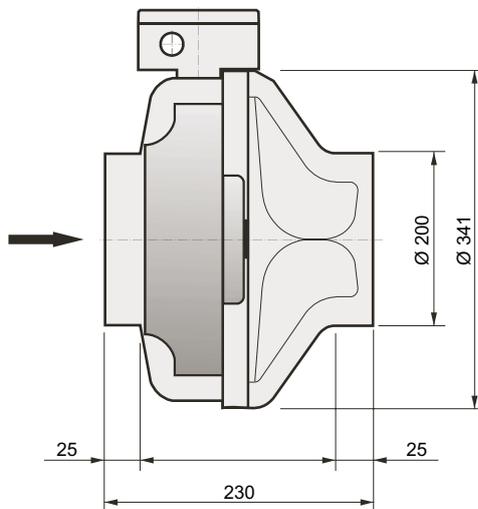


WVK

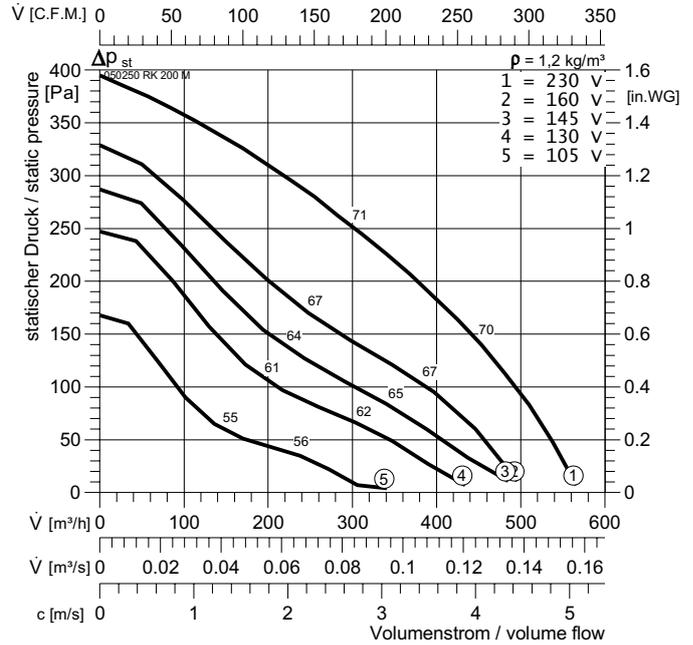
## RS 200 M



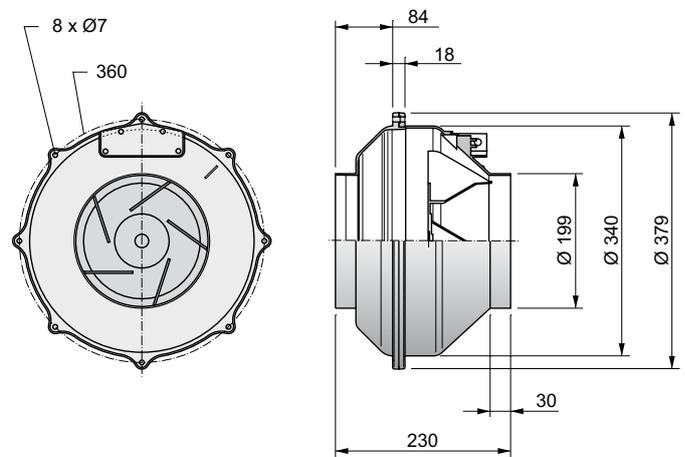
Typ :	RS 200 M	⚠	IP 44	$L_{WA,rel}$ ΔdB	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051250	★	E11	$L_{WA,tot}$	-13	2	0
:	4,8 kg		GS 1	125 Hz	-27	-20	-22
U :	230 V 50 Hz		NE 1,5	250 Hz	-19	-7	-11
$P_1$ :	0,101 kW		RPE 02 A	500 Hz	-20	-5	-11
$I_N$ :	0,47 A			1 kHz	-19	-4	-5
n :	2595 min <sup>-1</sup>			2 kHz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



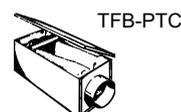
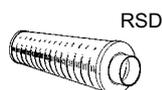
## RK 200 M



Typ :	RK 200 M	⚠	IP44	$L_{WA,rel}$ ΔdB	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
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 1,5	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



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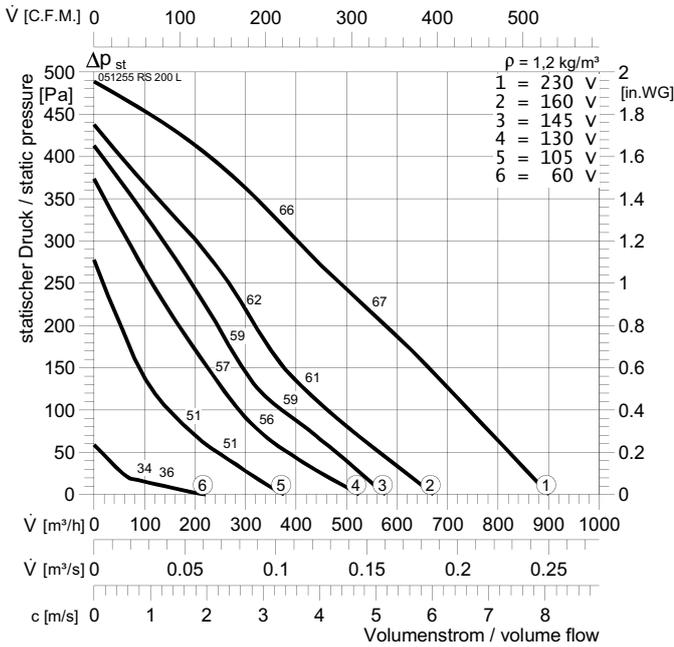




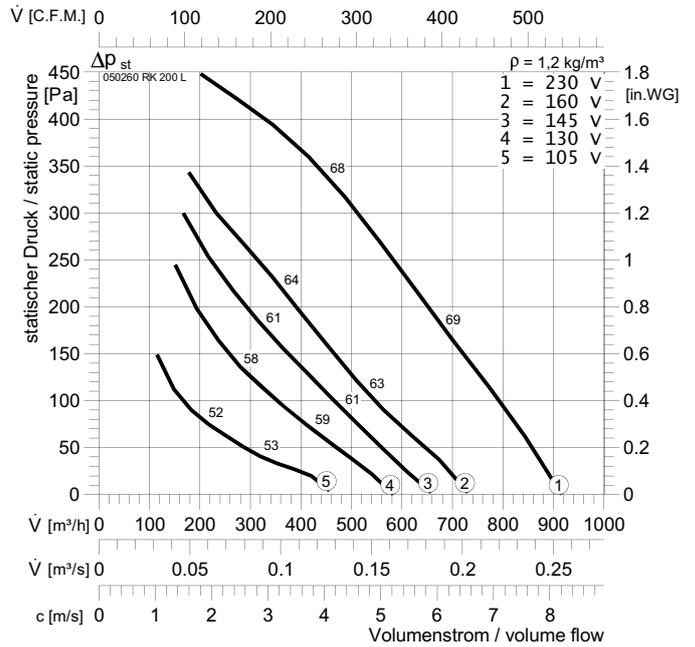
RS, RK



## RS 200 L

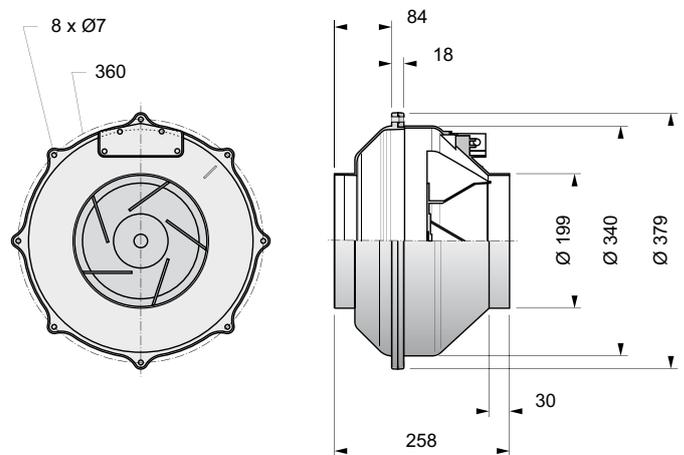
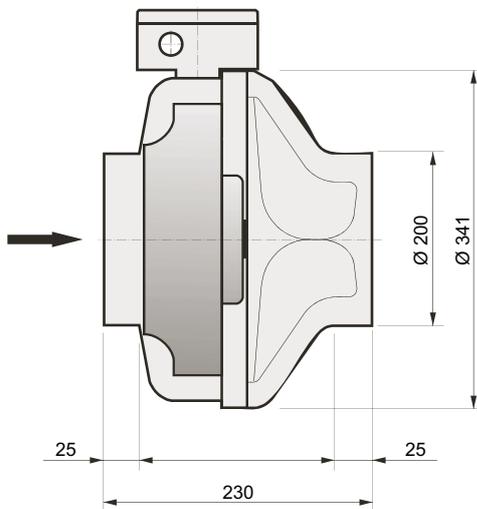


## RK 200 L



Typ :	RS 200 L		IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051255		E11	$L_{WA,tot}$	-13	2	0
	5,5 kg		GS 1	125 Hz	-25	-17	-20
U :	230 V 50 Hz		NE 1,5	250 Hz	-18	-6	-10
P <sub>1</sub> :	0,17 kW		RPE 02 A	500 Hz	-19	-4	-9
I <sub>N</sub> :	0,79 A			1 kHz	-18	-3	-5
n :	2410 min <sup>-1</sup>			2 kHz	-21	-5	-5
C <sub>400V</sub> :	5 μF			4 kHz	-27	-10	-10
t <sub>R</sub> :	65 °C			8 kHz	-35	-17	-17

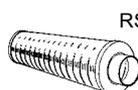
Typ :	RK 200 L		IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050260		E11	$L_{WA,tot}$	-15	-1	0
	4,4 kg		GS 1	125 Hz	-38	-15	-14
U :	230 V 50 Hz		NE 1,5	250 Hz	-31	-8	-7
P <sub>1</sub> :	0,158 kW		RPE 02 A	500 Hz	-25	-5	-4
I <sub>N</sub> :	0,69 A			1 kHz	-17	-8	-7
n :	2535 min <sup>-1</sup>			2 kHz	-25	-10	-9
C <sub>400V</sub> :	4 μF			4 kHz	-31	-15	-14
t <sub>R</sub> :	70 °C			8 kHz	-39	-24	-23



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RSV



RSD



RVK

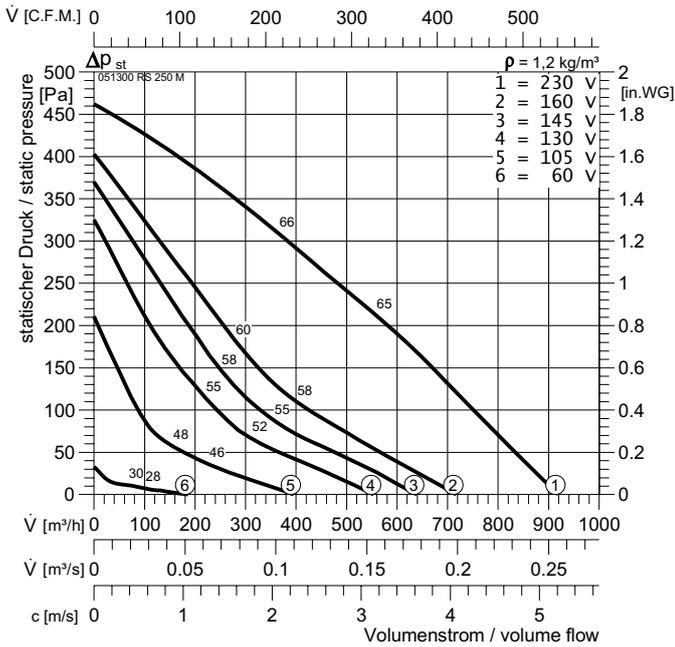


TFB-PTC

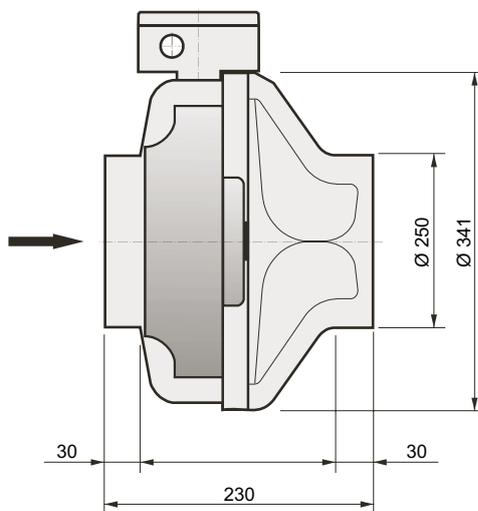


WVK

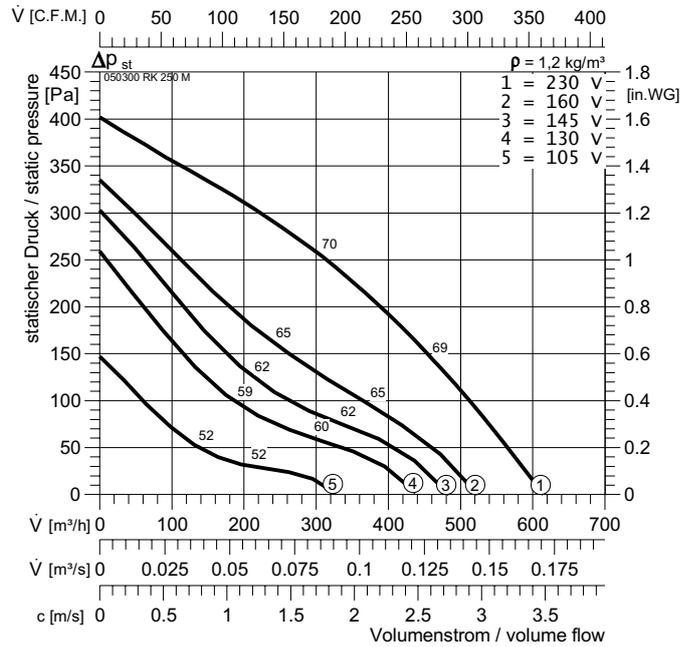
## RS 250 M



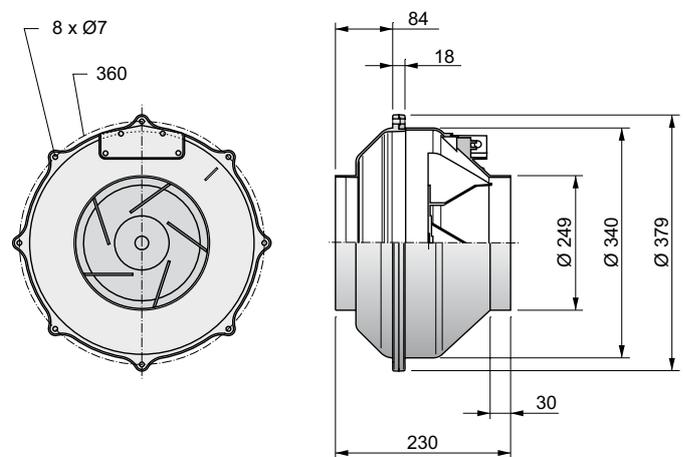
Typ :	<b>RS 250 M</b>		IP 44	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051300		E11	$L_{WA,tot}$	-13	0	0
	4,8 kg		GS 1	125 Hz	-25	-21	-20
U :	230 V 50 Hz		NE 1,5	250 Hz	-18	-10	-9
$P_1$ :	0,101 kW		RPE 02 A	500 Hz	-20	-6	-7
$I_N$ :	0,44 A			1 kHz	-18	-6	-6
n :	2595 min <sup>-1</sup>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



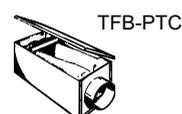
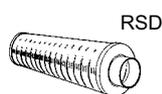
## RK 250 M



Typ :	<b>RK 250 M</b>		IP44	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050300		E11	$L_{WA,tot}$	-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 $\mu F$			4 kHz	-27	-14	-13
$t_R$ :	70 °C			8 kHz	-31	-16	-15



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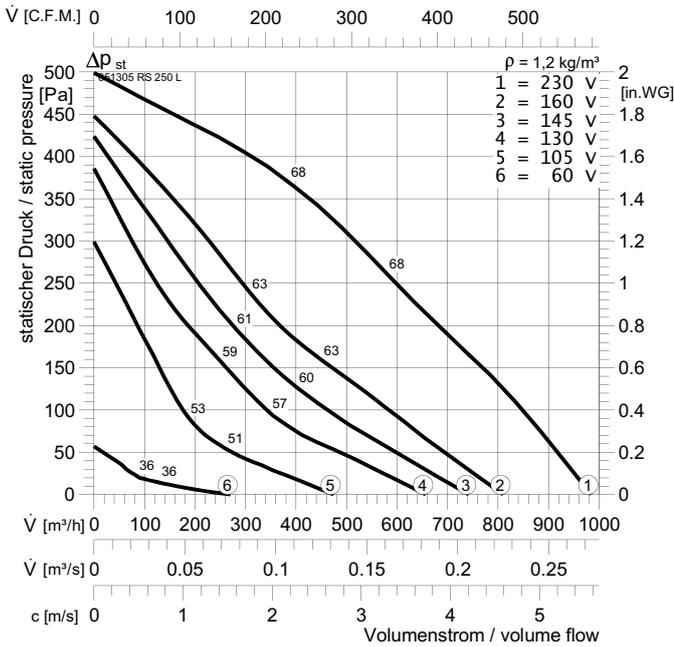




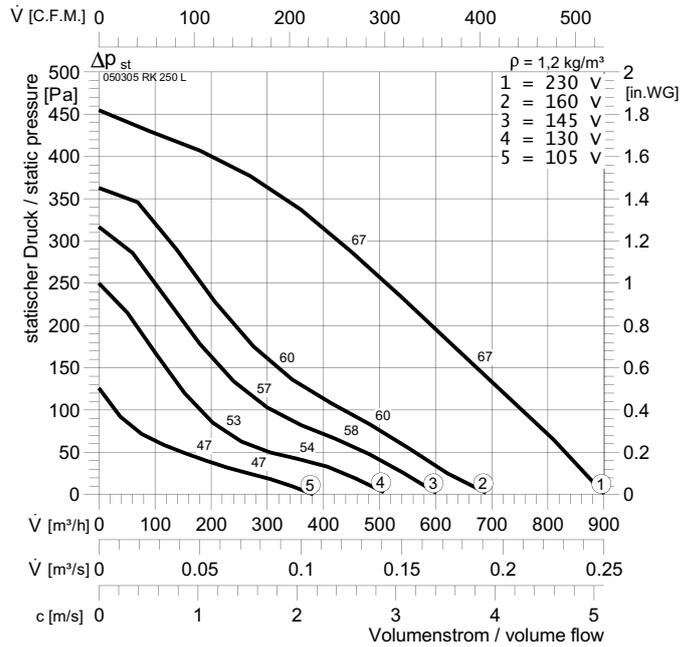
RS, RK



## RS 250 L

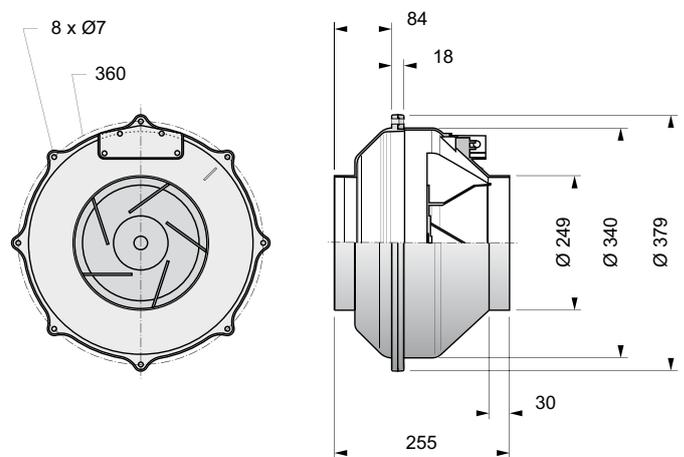
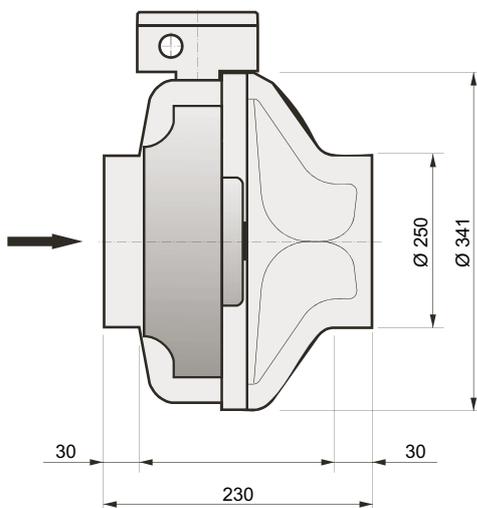


## RK 250 L



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

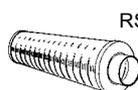
Typ :	RK 250 L		IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050305		E11	$L_{WA,tot}$	-14	-1	0
	4,4 kg		GS 1	125 Hz	-14	-1	0
U :	230 V 50 Hz		NE 1,5	250 Hz	-31	-8	-7
P <sub>1</sub> :	0,158 kW		RPE 02 A	500 Hz	-21	-7	-6
I <sub>N</sub> :	0,69 A			1 kHz	-16	-8	-7
n :	2535 min <sup>-1</sup>		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



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RSV



RSD



RVK

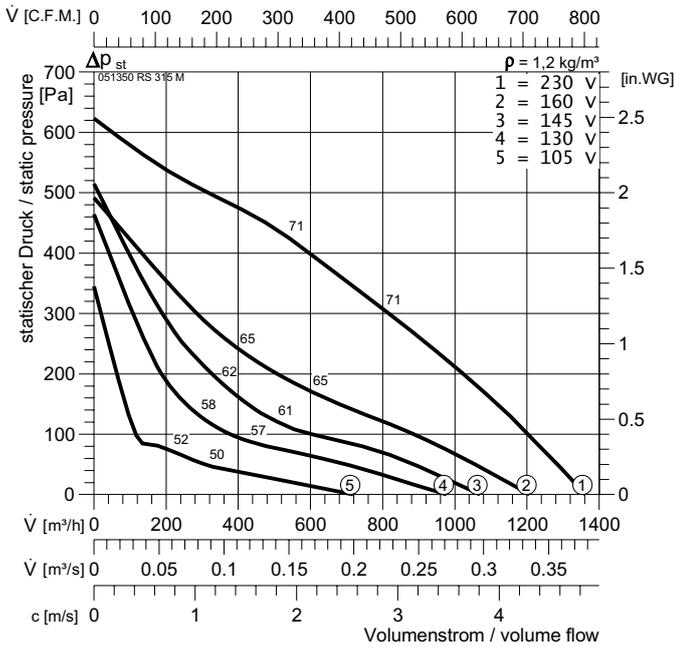


TFB-PTC

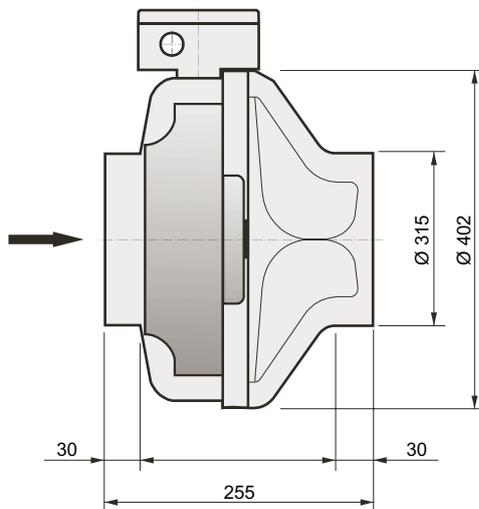


WVK

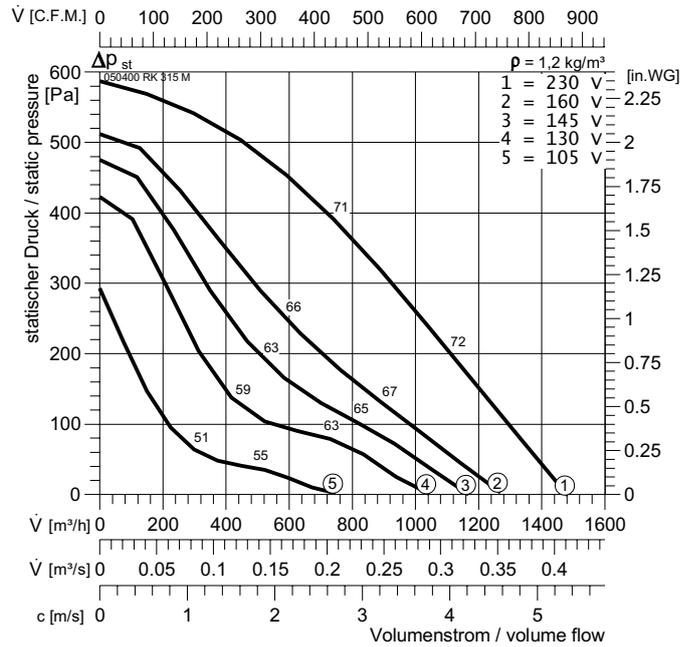
## RS 315 M



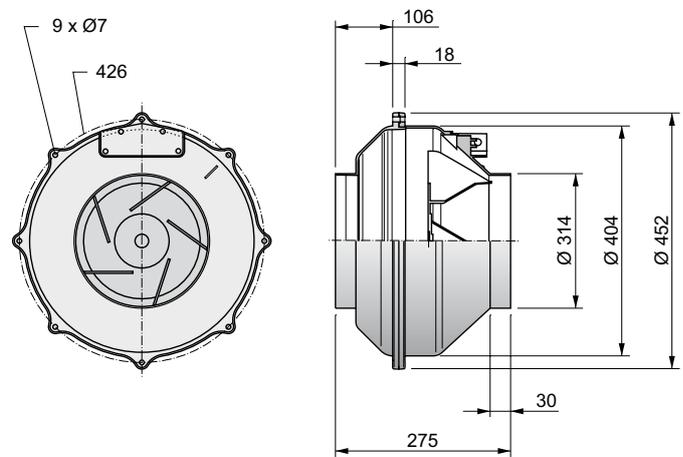
Typ :	RS 315 M	⚠	IP 44	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051350	★	E11	$L_{WA,tot}$	-16	0	0
:	7,2 kg		GS 1	125 Hz	-29	-23	-17
U :	230 V 50 Hz		NE 1,5	250 Hz	-25	-13	-12
$P_1$ :	0,181 kW		RPE 06 A	500 Hz	-22	-6	-10
$I_N$ :	0,79 A			1 kHz	-21	-5	-5
n :	2715 min <sup>-1</sup>			2 kHz	-23	-6	-5
$C_{400V}$ :	7 μF			4 kHz	-28	-10	-8
$t_R$ :	60 °C			8 kHz	-37	-15	-15



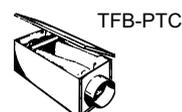
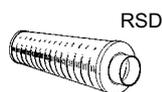
## RK 315 M



Typ :	RK 315 M	⚠	IP44	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050400	★	E11	$L_{WA,tot}$	-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 06 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 μF			4 kHz	-31	-8	-7
$t_R$ :	60 °C			8 kHz	-41	-11	-10



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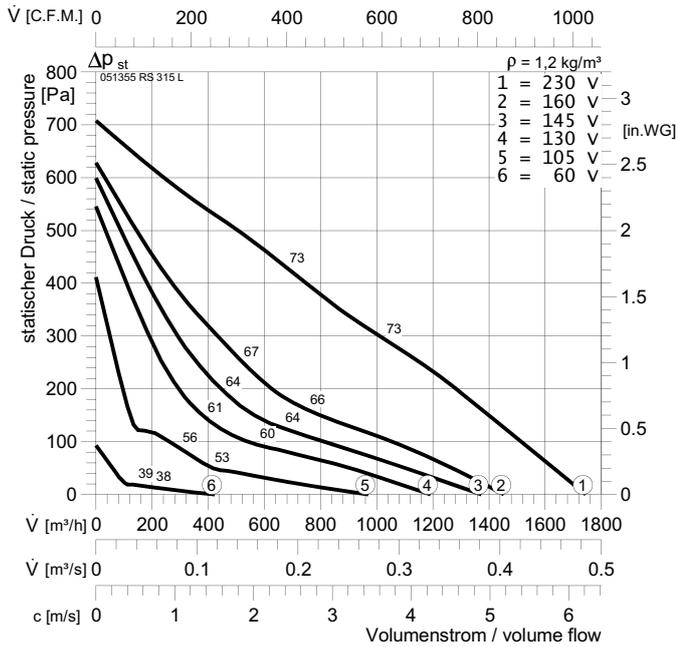




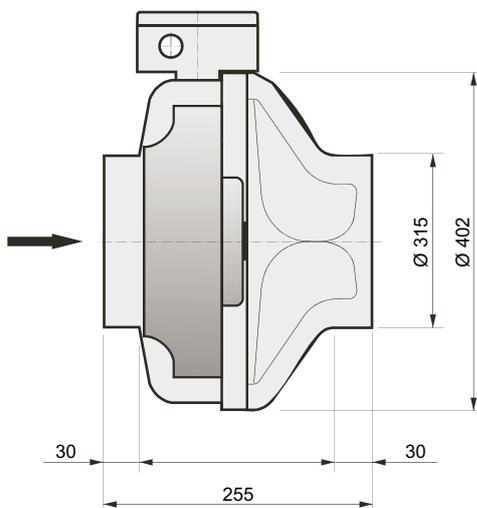
RS, RK



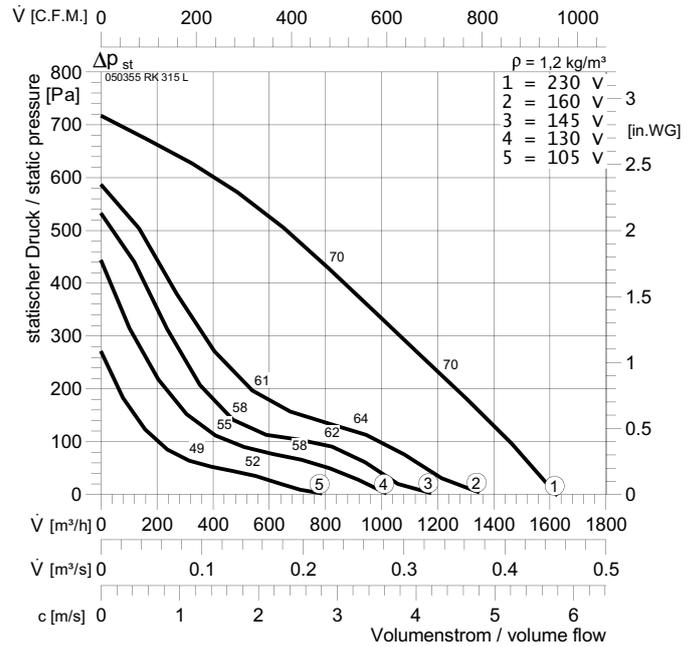
## RS 315 L



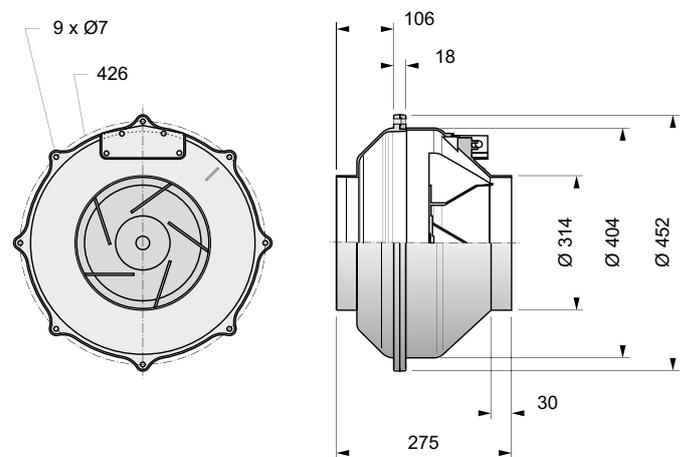
Typ :	RS 315 L	⚠	IP 44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051355	★	E11	$L_{WA,tot}$	-16	1	0
:	8,7 kg		GS 1	125 Hz	-32	-26	-27
U :	230 V 50 Hz		NE 1,5	250 Hz	-24	-14	-15
P <sub>1</sub> :	0,225 kW		RPE 06 A	500 Hz	-22	-5	-11
I <sub>N</sub> :	1,02 A			1 kHz	-22	-4	-5
n :	2655 min <sup>-1</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



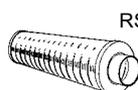
Typ :	RK 315 L	⚠	IP44	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	050355	★	E11	$L_{WA,tot}$	-20	-1	0
:	6,8 kg		GS 1	125 Hz	-48	-23	-22
U :	230 V 50 Hz		NE 1,5	250 Hz	-39	-14	-13
P <sub>1</sub> :	0,206 kW		RPE 06 A	500 Hz	-31	-11	-10
I <sub>N</sub> :	0,99 A			1 kHz	-21	-8	-7
n :	2715 min <sup>-1</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



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RSV



RSD



RVK

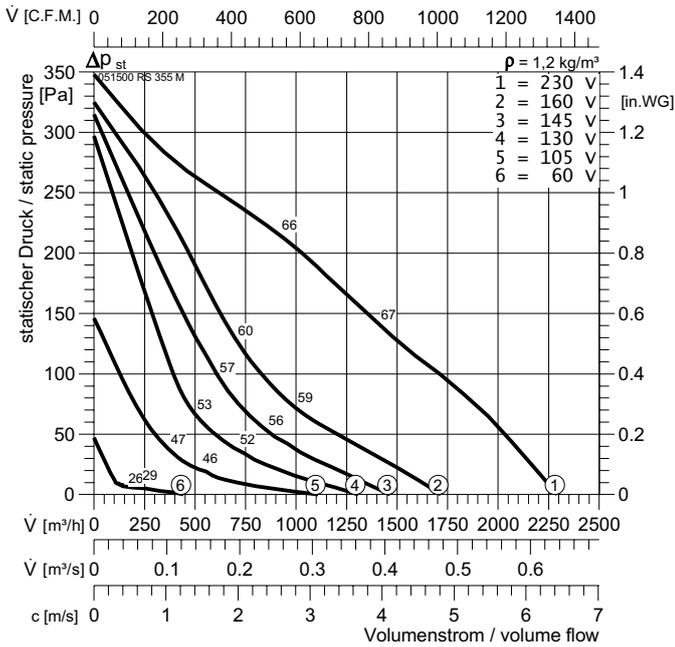


TFB-PTC

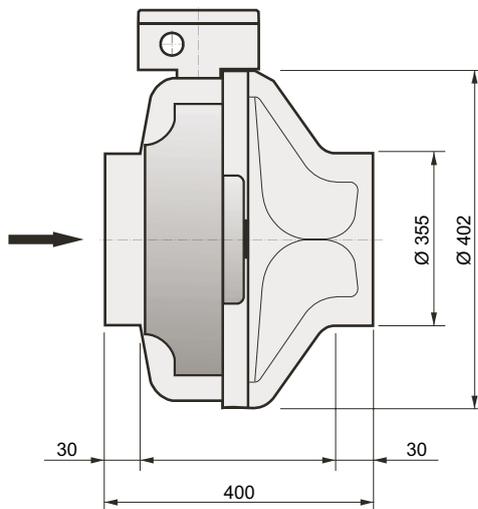


WVK

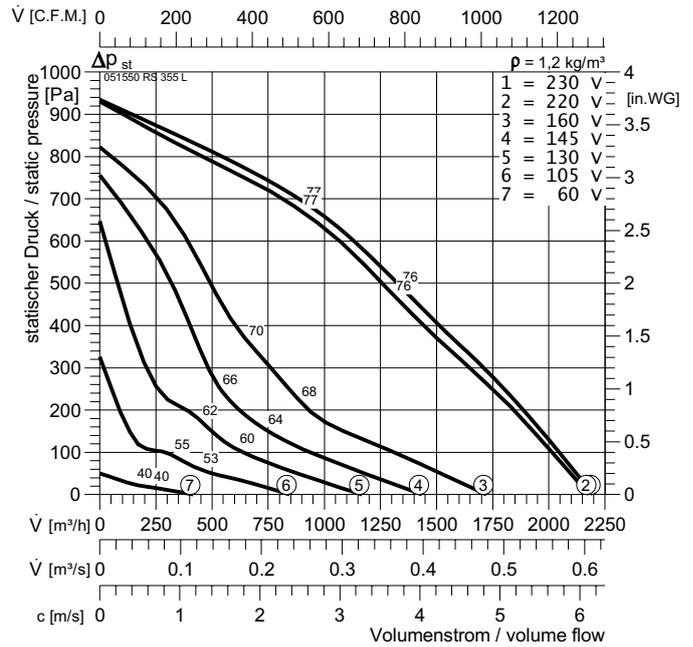
## RS 355 M



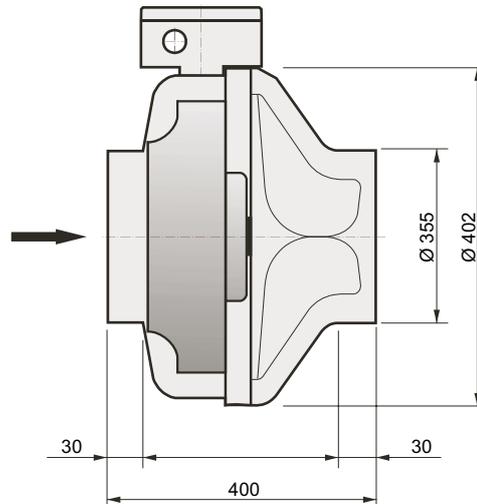
Typ :	<b>RS 355 M</b>		IP 54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051500		E13	$L_{WA,tot}$	-12	-1	0
	12,2 kg		GS 1	125 Hz	-18	-13	-13
U :	230 V 50 Hz		NE 1,5	250 Hz	-17	-6	-10
$P_1$ :	0,26 kW		RPE 06 A	500 Hz	-18	-6	-5
$I_N$ :	1,15 A			1 kHz	-21	-8	-6
n :	1290 min <sup>-1</sup>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



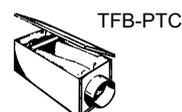
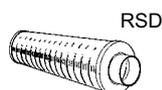
## RS 355 L



Typ :	<b>RS 355 L</b>		IP 54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	051550		E13	$L_{WA,tot}$	-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 $\mu F$			4 kHz	-21	-13	-10
$t_R$ :	45 °C			8 kHz	-36	-21	-16



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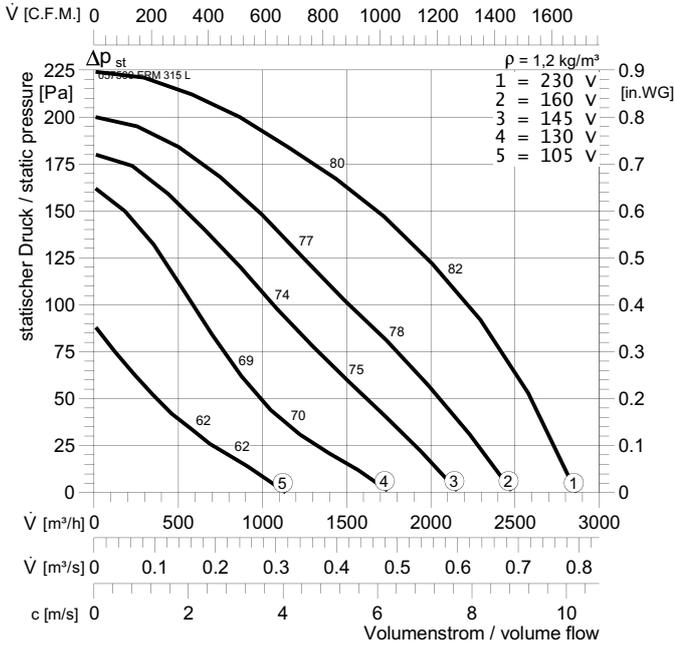




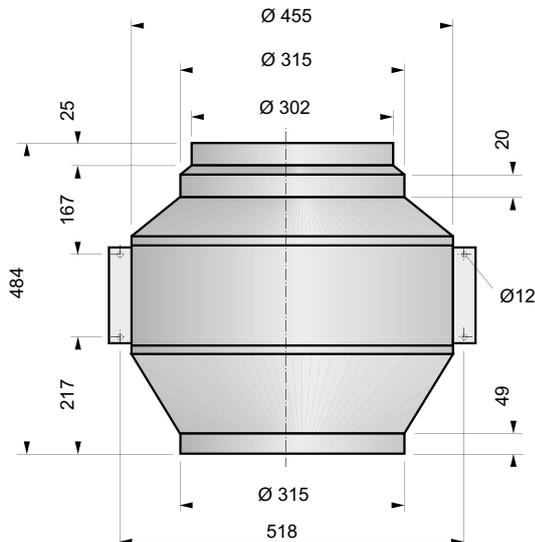
ERM, DRM



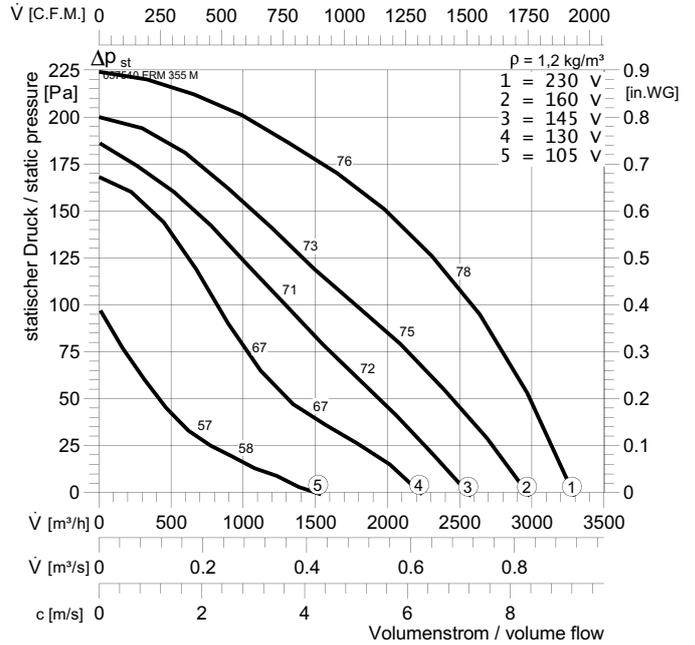
## ERM 315 L



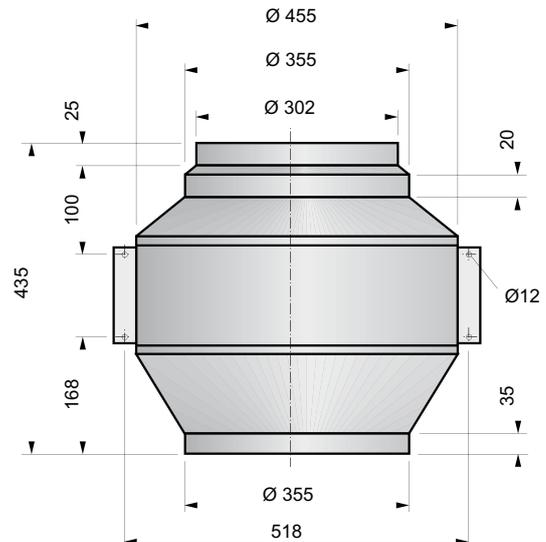
Typ :	ERM 315 L	⚠	IP 54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057500	★	E13	$L_{WA,tot}$	-16	0	0
:	16 kg		GS 1	125 Hz	-34	-10	-5
U :	230 V 50 Hz		NE 1,5	250 Hz	-24	-6	-8
P <sub>1</sub> :	0,31 kW		RPE 06 A	500 Hz	-23	-5	-7
I <sub>N</sub> :	1,35 A			1 kHz	-21	-7	-6
n :	1390 min <sup>-1</sup>			2 kHz	-23	-14	-9
C <sub>400V</sub> :	6 μF			4 kHz	-37	-19	-19
t <sub>R</sub> :	40 °C			8 kHz	-48	-29	-28



## ERM 355 M



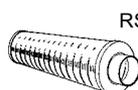
Typ :	ERM 355 M	⚠	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057540	★	E13	$L_{WA,tot}$	-18	-2	0
:	15 kg		GS 1	125 Hz	-38	-8	-5
U :	230 V 50 Hz		NE 1,5	250 Hz	-28	-7	-8
P <sub>1</sub> :	0,31 kW		RPE 06 A	500 Hz	-24	-8	-6
I <sub>N</sub> :	1,35 A			1 kHz	-22	-10	-6
n :	1390 min <sup>-1</sup>			2 kHz	-26	-14	-10
C <sub>400V</sub> :	6 μF			4 kHz	-37	-19	-19
t <sub>R</sub> :	50 °C			8 kHz	-48	-29	-28



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RSV



RSD



RVK

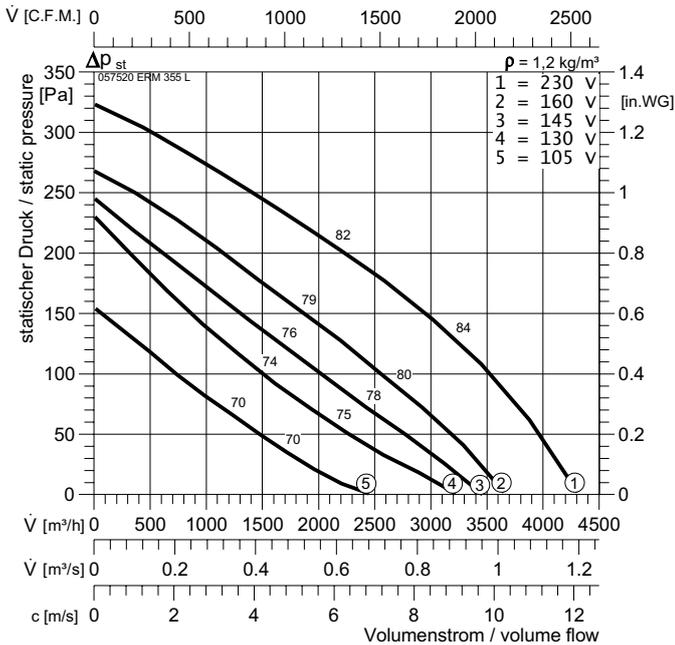


TFB-PTC

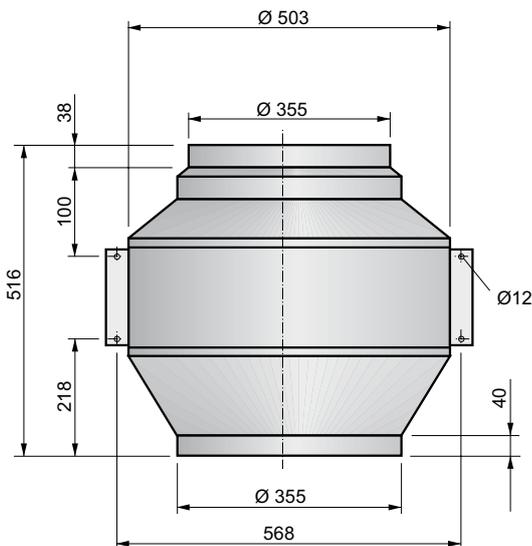


VVK

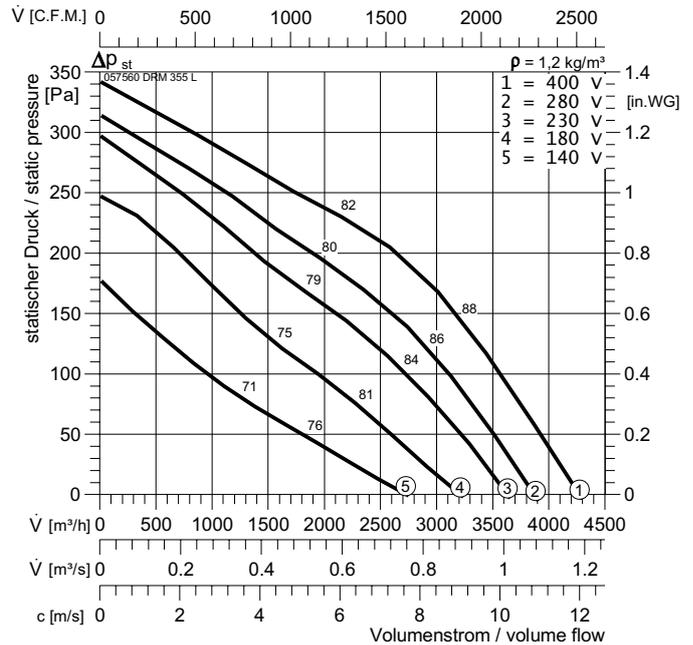
## ERM 355 L



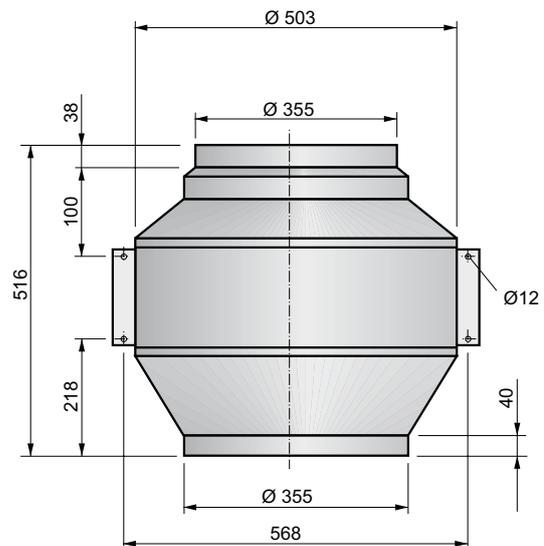
Typ :	<b>ERM 355 L</b>		IP54	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057520		E13	$L_{WA,tot}$	-19	-2	0
	21 kg		GS 1	125 Hz	-35	-13	-5
U :	230 V 50 Hz		NE 3,2	250 Hz	-28	-8	-9
$P_1$ :	0,52 kW		RPE 06 A	500 Hz	-23	-6	-6
$I_N$ :	2,2 A			1 kHz	-24	-12	-7
n :	1280 min <sup>-1</sup>			2 kHz	-26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



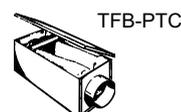
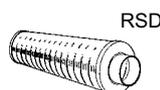
## DRM 355 L



Typ :	<b>DRM 355 L</b>		IP54	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057560		DS1b	$L_{WA,tot}$	-19	-3	0
	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



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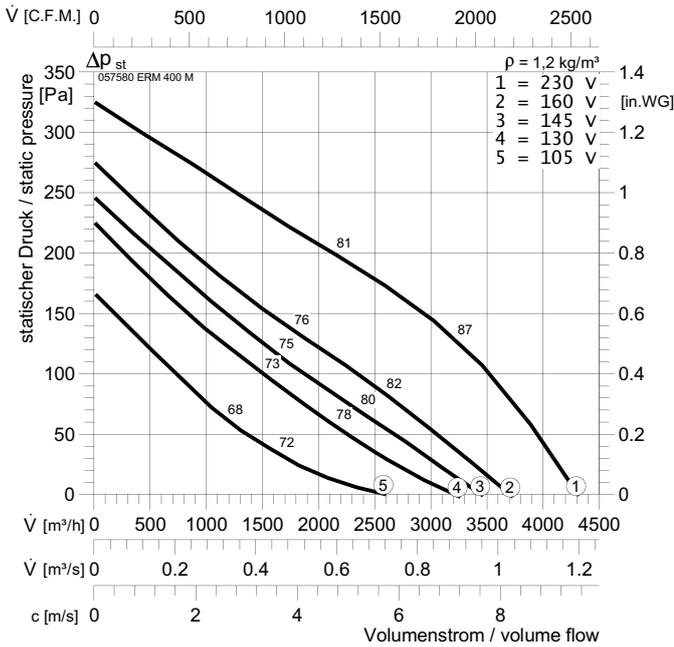




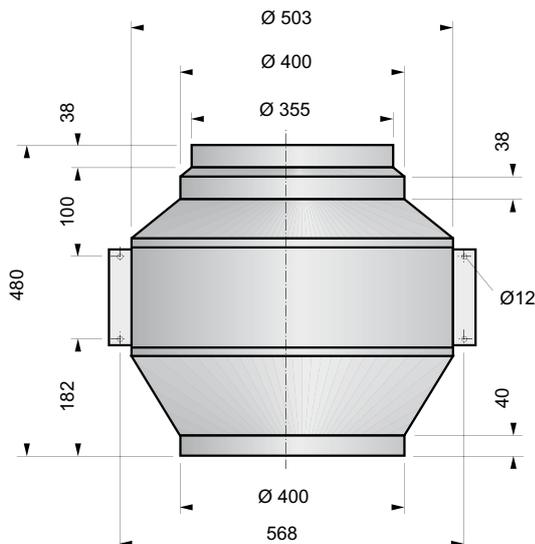
ERM, DRM



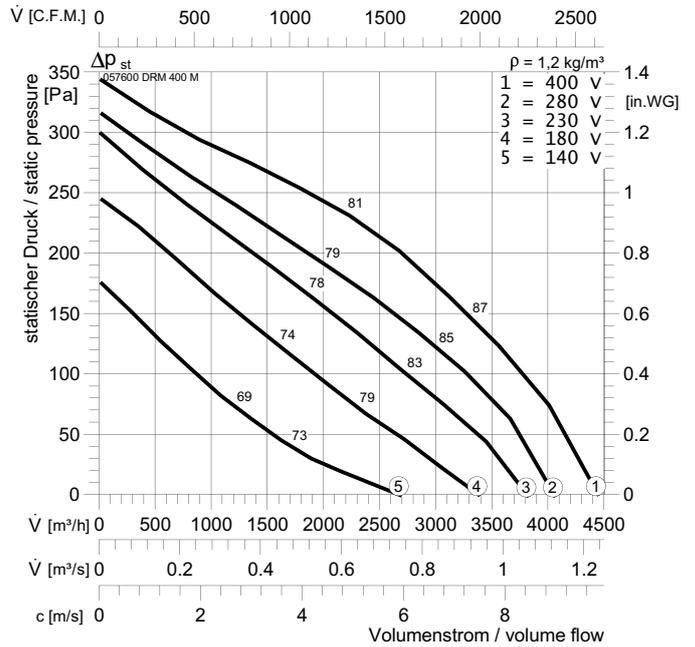
## ERM 400 M



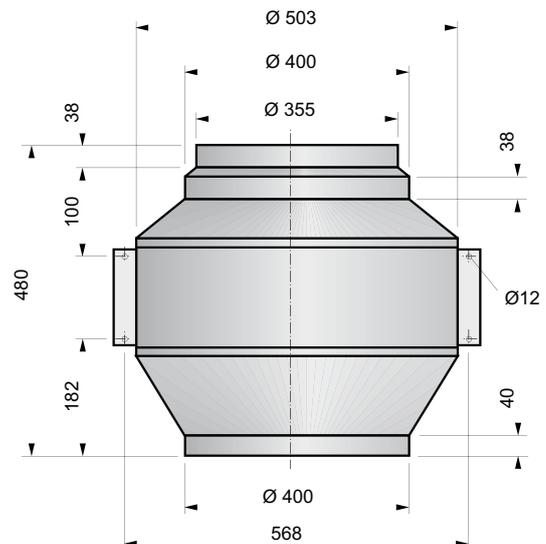
Typ :	ERM 400 M	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057580	E13	$L_{WA,tot}$	-19	-4	0
$\square$ :	21 kg	GS 1	125 Hz	-33	-13	-8
U :	230 V 50 Hz	NE 3,2	250 Hz	-30	-11	-10
$P_1$ :	0,52 kW	RPE 06 A	500 Hz	-25	-9	-6
$I_N$ :	2,2 A		1 kHz	-23	-13	-5
n :	1280 min <sup>-1</sup>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



## DRM 400 M



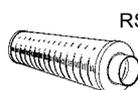
Typ :	DRM 400 M	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057600	DS1b	$L_{WA,tot}$	-19	-4	0
$\square$ :	19 kg	GS 2	125 Hz	-39	-12	-8
U :	400 V 50 Hz	RTD 1,2	250 Hz	-28	-10	-9
$P_1$ :	0,57 kW	SAD 9	500 Hz	-25	-9	-6
$I_N$ :	1,05 A		1 kHz	-23	-13	-5
n :	1390 min <sup>-1</sup>	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



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RSV



RSD



RVK

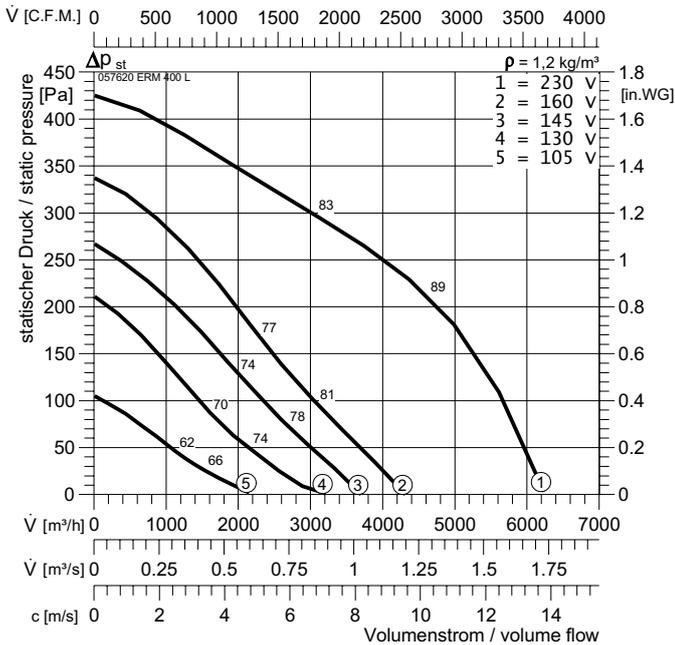


TFB-PTC

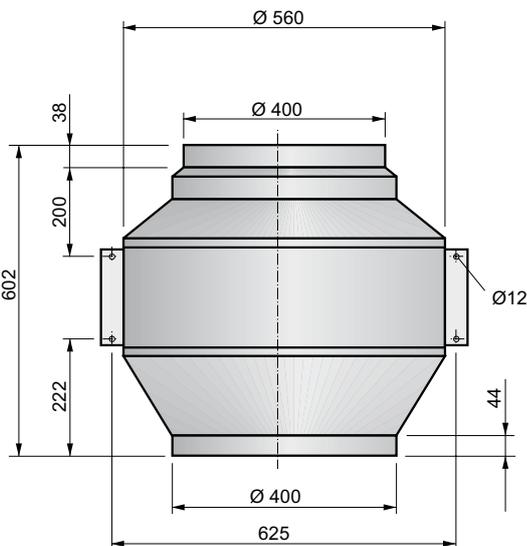


WVK

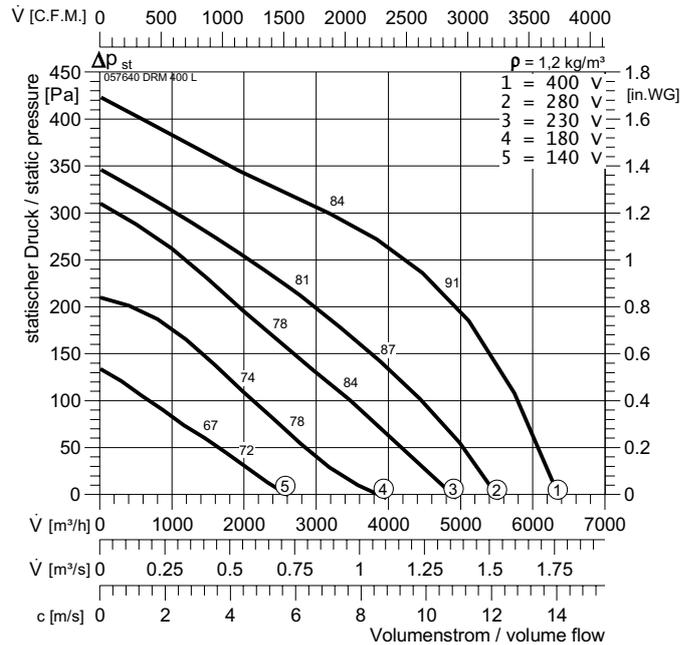
## ERM 400 L



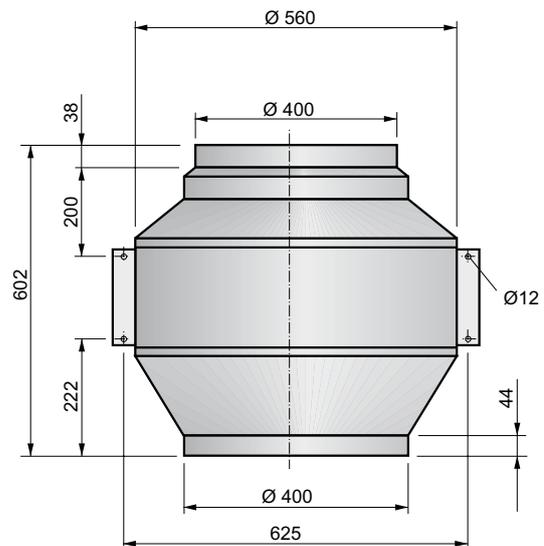
Typ :	<b>ERM 400 L</b>		IP54	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057620		E13	$L_{WA,tot}$	-18	-2	0
	32	kg	GS 1	125 Hz	-42	-13	-7
U :	230 V 50 Hz		NE 5	250 Hz	-29	-8	-9
$P_1$ :	0,96	kW		500 Hz	-25	-8	-7
$I_N$ :	4,3	A		1 kHz	-21	-9	-6
n :	1330	min <sup>-1</sup>		2 kHz	-26	-12	-10
$C_{400V}$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



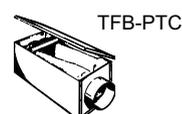
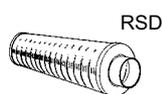
## DRM 400 L



Typ :	<b>DRM 400 L</b>		IP54	$L_{WA,rel}$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
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		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



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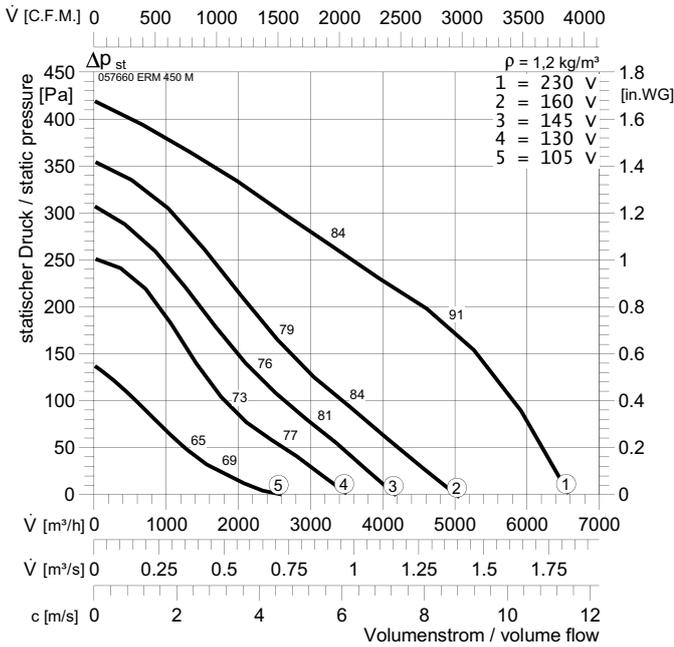




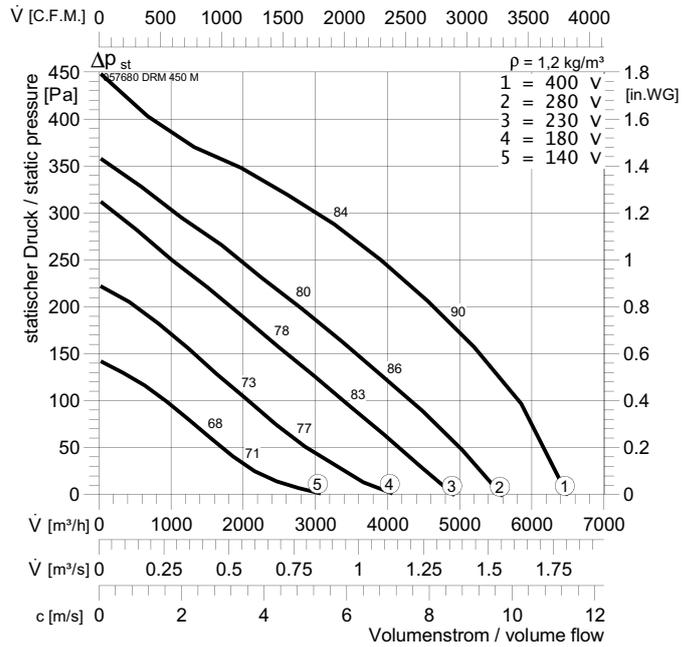
ERM, DRM



## ERM 450 M

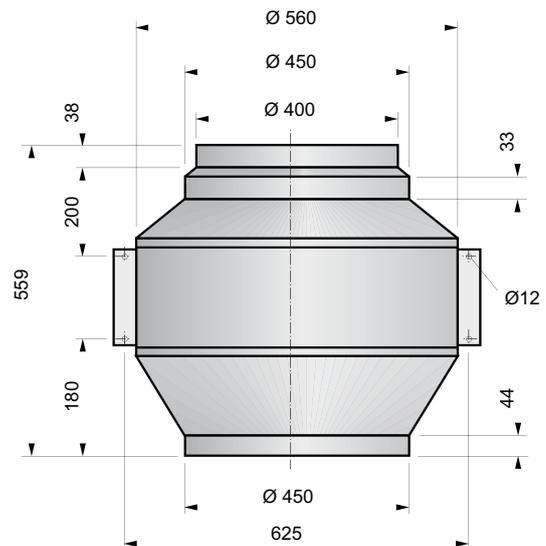
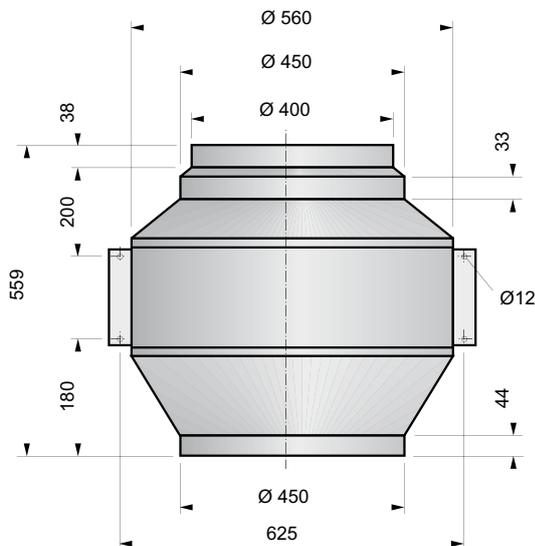


## DRM 450 M



Typ :	ERM 450 M	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057660	E13	$L_{WA,tot}$	-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 $\text{min}^{-1}$		2 kHz	-25	-15	-11
$C_{400V}$ :	16 $\mu F$		4 kHz	-34	-21	-19
$t_R$ :	40 $^{\circ}C$		8 kHz	-43	-29	-26

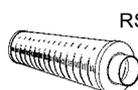
Typ :	DRM 450 M	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057680	DS1b	$L_{WA,tot}$	-18	-2	0
$\square$ :	29 kg	GS 2	125 Hz	-46	-14	-10
U :	400 V 50 Hz	RTD 2,5	250 Hz	-28	-7	-10
$P_1$ :	0,864 kW	SAD 9	500 Hz	-24	-8	-4
$I_N$ :	1,62 A		1 kHz	-21	-11	-5
n :	1320 $\text{min}^{-1}$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



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RSV



RSD



RVK

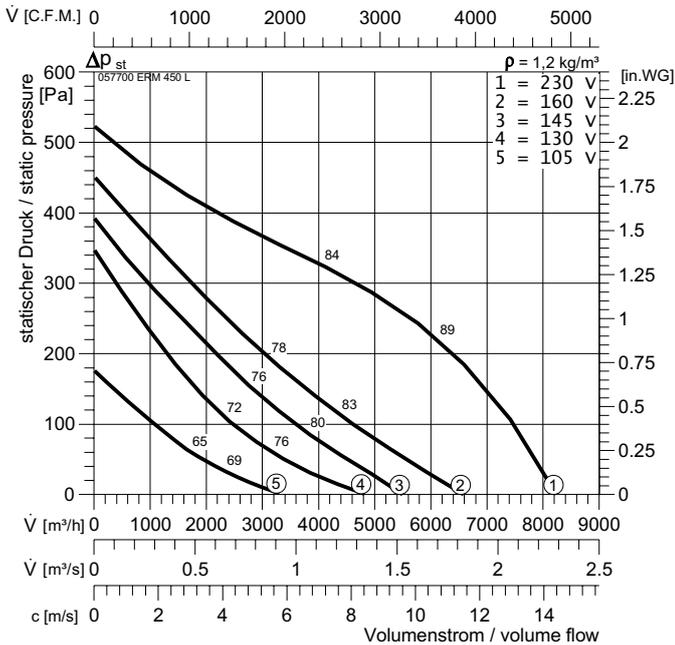


TFB-PTC

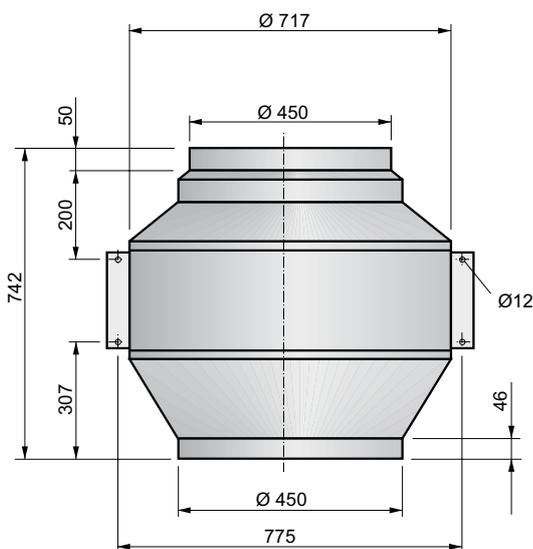


VVK

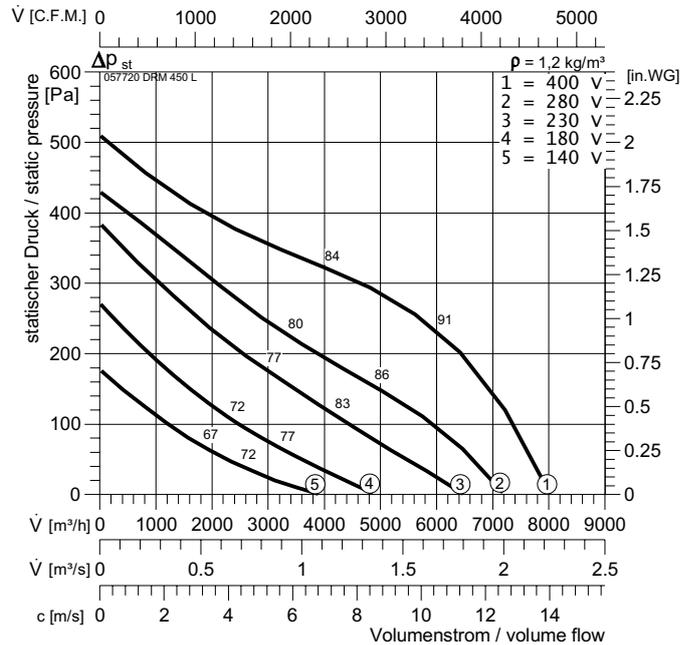
## ERM 450 L



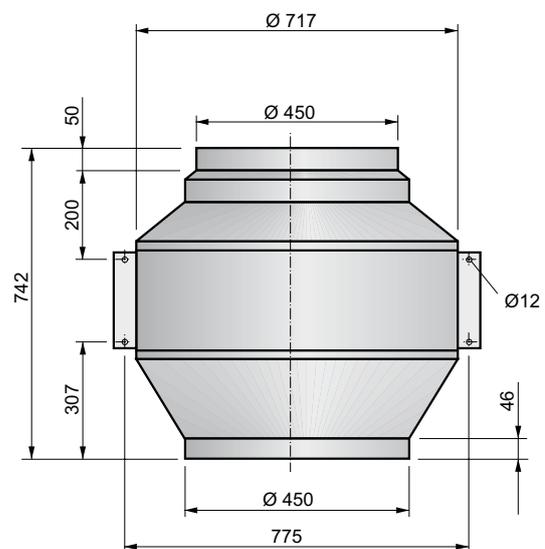
Typ :	<b>ERM 450 L</b>		IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057700		E13	$L_{WA,tot}$	-16	0	0
	42 kg		GS 1	125 Hz	-31	-10	-6
U :	230 V 50 Hz		NE 7,5	250 Hz	-26	-5	-10
$P_1$ :	1,398 kW		SAE 20	500 Hz	-24	-6	-6
$I_N$ :	6,16 A			1 kHz	-20	-9	-6
n :	1290 min <sup>-1</sup>	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



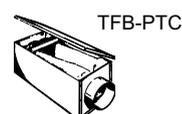
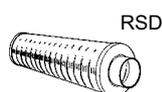
## DRM 450 L



Typ :	<b>DRM 450 L</b>		IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057720		E13	$L_{WA,tot}$	-16	0	0
	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 min <sup>-1</sup>			2 kHz	-21	-9	-9
$C_{400V}$ :	- $\mu F$			4 kHz	-33	-16	-15
$t_R$ :	75 °C			8 kHz	-45	-26	-25



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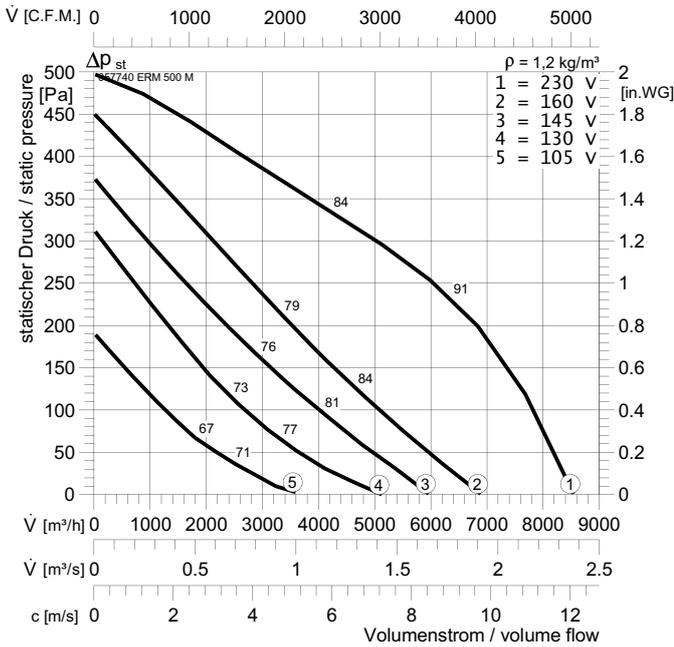




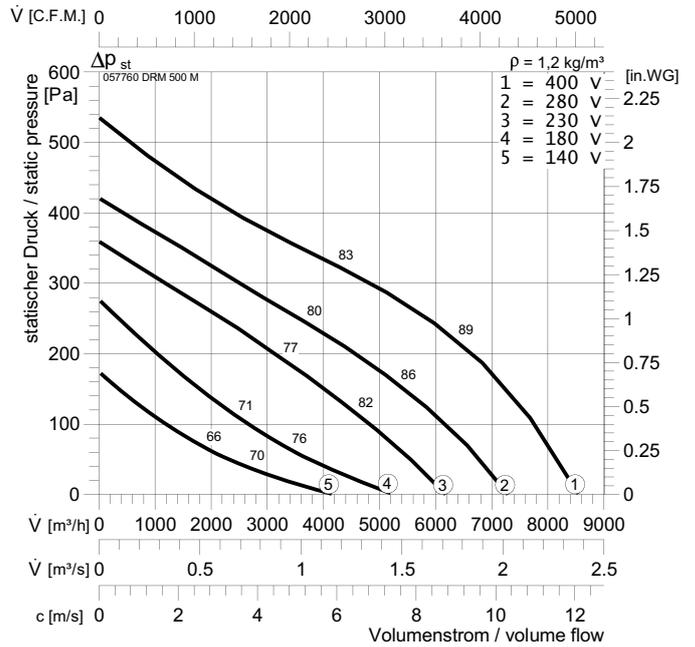
ERM, DRM



## ERM 500 M

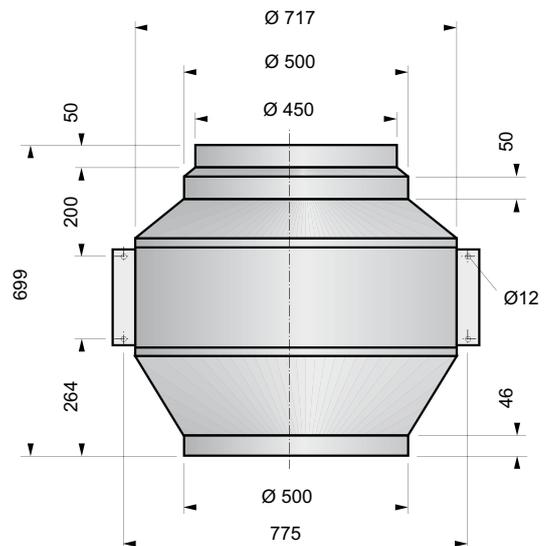
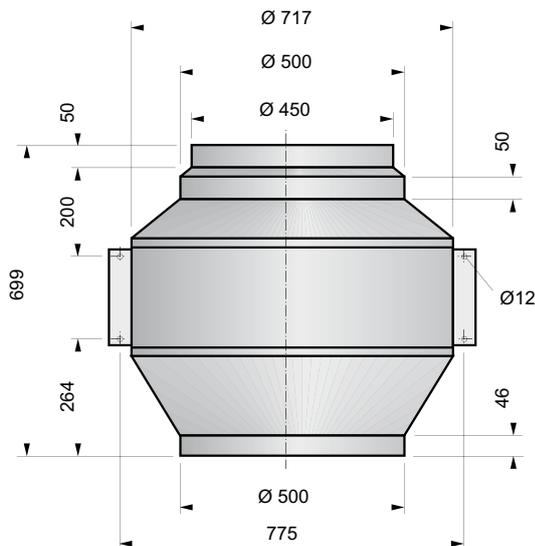


## DRM 500 M



Typ :	ERM 500 M	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057740	E13	$L_{WA,tot}$	-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 $\mu F$		4 kHz	-39	-18	-16
$t_R$ :	40 °C		8 kHz	-47	-28	-26

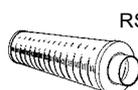
Typ :	DRM 500 M	IP54	$L_{WA,rel}$ $\Delta dB$	$L_{WA2}$	$L_{WA5}$	$L_{WA6}$
ArtNr :	057760	DS1b	$L_{WA,tot}$	-18	0	0
$\square$ :	39 kg	GS 2	125 Hz	-39	-11	-8
U :	400 V 50 Hz	RTD 2,5	250 Hz	-32	-5	-11
$P_1$ :	1,267 kW	SAD 9	500 Hz	-25	-6	-7
$I_N$ :	2,23 A		1 kHz	-21	-9	-4
n :	1330 min <sup>-1</sup>		2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



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RSV



RSD



RVK



TFB-PTC



WVK