

### Typenschlüssel

### Fan type code

|                     |   |
|---------------------|---|
| <b>RVH 355 -4 E</b> |   |
|                     | Motorversion / Motor type   |
|                     | E = Einphasenwechselstrom<br>Single-phase A.C.                      |
|                     | D = Drehstrom<br>Three-phase A.C.                                   |
|                     | Polzahl<br>Number of poles  |
|                     | Nennweite<br>Impeller diameter                                      |
|                     | für Fördertemperaturen bis 120°C<br>for temperatures of up to 120°C |
|                     | Ausführung / Discharge orientation                                  |
|                     | V = vertikal ausblasend<br>vertical discharge                       |
|                     | Dachventilator / Roof fan   |



### Eigenschaften und Ausführung

Wolter Dachventilatoren eignen sich zum Aufbau auf Flach-, Pult-, Sattel-, Bogen- und Shed-Dächern. Durch den außerhalb des Luftstroms gelegenen Antriebsmotor, können die Dachventilatoren der Baureihe RVH bei einer **Fördermitteltemperatur von bis zu 120°C** (bei Drehzahlsteuerung bis 80°C, 50°C ab RVH 800) betrieben werden.

#### Gehäuse

Die Gehäuseseitenbleche und die Motorabdeckung werden aus seewasserbeständigem Aluminium gefertigt. Die Grundplatte mit integrierter Einströmdüse wird aus verzinktem Stahlblech hergestellt.

#### Lauftrad

Die rückwärtsgekrümmten Laufräder aus Aluminiumblech werden zusammen mit der Lauftradnabe entsprechend der Gütestufe G 6,3 nach DIN ISO 1940 statisch und dynamisch gewuchtet.

#### Motor

IEC-Drehstrom-Normmotoren in Bauform IMB5, Schutzart IP55, 1~230V/50Hz bzw. 3~400V/50Hz, Wärmeklasse F. Die Motoren der Standardventilatoren bis Baugröße 500 sind spannungssteuerbar.

#### Elektrischer Anschluß

Der Motorklemmenkasten ist unter der Motorabdeckung leicht zugänglich. Der Anschluß des Motors an die Spannungsversorgung muß entsprechend dem Klemmbretttschaltbild des Motors erfolgen. Dabei sind die jeweils geltenden Bestimmungen zu beachten.

#### Montage

Wolter Dachventilatoren werden montagebereit ausgeliefert, jeweils in Einzelversandkartons oder Verschlügen.

Empfohlen wird die Verwendung von Flachdachsockeln aus unserem Zubehör-Programm. Sie sparen sich dadurch Kosten bei der Planung, bei der Ausführung und Montage. Sofern die Sockel bauseitig erstellt werden, so sind die von uns angegebenen Maße einzuhalten. Auf waagerechten Einbau und einwandfreie Abdichtung der Dachkante ist zu achten. Gegebenenfalls müssen Unebenheiten durch Distanzscheiben, Moosgummi oder ähnlich dichtendes Material behoben werden.

### Luftleistungskennlinien

Die Kennlinien für diese Typenreihe wurden mittels einem saugseitigen Kammerprüfstand entsprechend der DIN 24 163 in der Einbautart A (frei ansaugend, frei ausblasend) aufgenommen. Sie zeigen die statische Druckerhöhung  $\Delta p_{st}$  (statisch, frei ausblasend) in Abhängigkeit des Volumenstroms. Die Bezugsdichte ist 1,2 kg/m<sup>3</sup>.

### Schallentwicklung

Die Messung und deren Darstellung erfolgt nach DIN 45 635, Teil 38, gemäß dem dort beschriebenen Hüllflächenverfahren, nach dem über eine quaderförmige Meßfläche mehrere Meßpunkte erfasst werden. In den Kennlinienfeldern ist der **A-bewerteten Schalleistungspegel**  $L_{WA}$  in dB(A) angegeben, der dem **Frei-Ausblas-Schalleistungspegel**  $L_{WA8}$  entspricht.

Der Freiansaug-Schalleistungspegel  $L_{WA5}$  kann über die relativen Schalleistungspegel genau ermittelt, oder nach folgender Formel näherungsweise bestimmt werden:

$$L_{WA5} = L_{WA} - 3 \text{ dB}$$

Für genauere Berechnungen bei Schallschutzmaßnahmen ist der Schalleistungspegel der Oktavbänder von Bedeutung:

$$L_{Wokt} = L_{WA} + L_{Wrel}$$

Der austrittsseitige zu erwartende A-bewertete Schalldruckpegel kann nur annähernd ermittelt werden, da die Umgebungseinflüsse zu starken Abweichungen führen können:

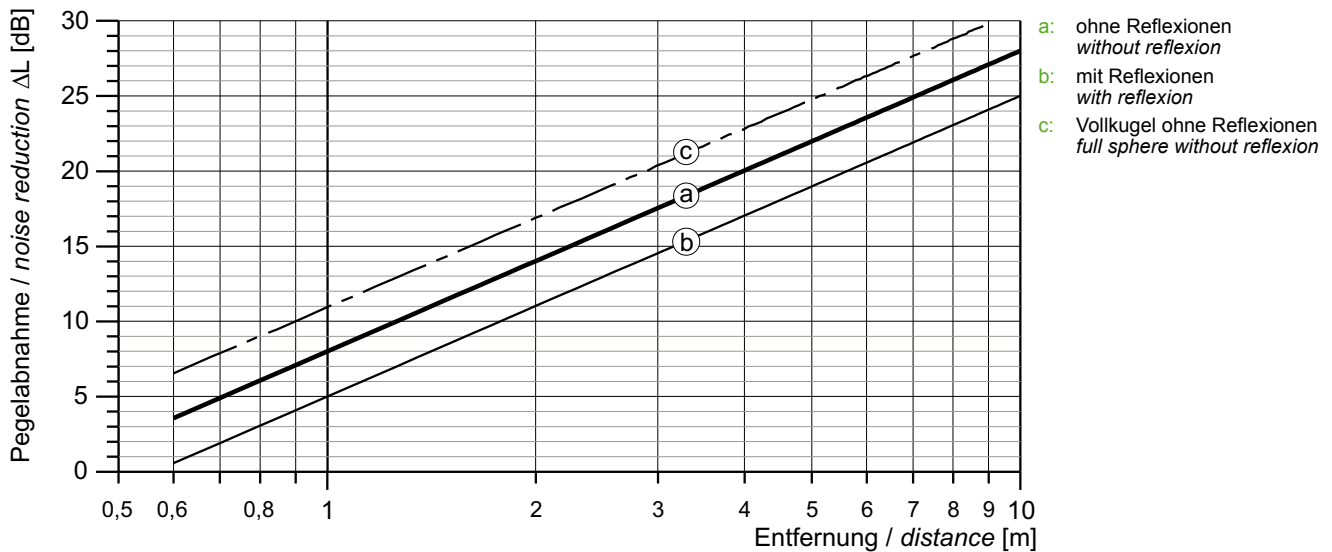
$$L_{PA} = L_{WA} - \Delta L$$

Bei ungünstigen Verhältnissen kann das in der Anlage entstehende Geräusch von den Katalogangaben abweichen, etwa durch unterschiedliche Schallabsorption oder durch ungünstige Körperschallübertragung auf die Dachkonstruktion.



## Pegelabnahme Halbkugel

## Sound level reduction half sphere



### Design features

Wolter roof fan units are suitable for mounting on different roof types. As the motor is out of the air stream, **RVH series fans can be operated at temperatures of up to 120°C** (80°C if speed-controlled motors are used, 50°C for sizes RVH 800 and above.)

### Casing

Discharge and motor cowl are made of salt-water proof aluminium. The base plate with its integrated inlet cone is made of galvanised sheet steel.

### Impeller

The backward-curved impellers are made of aluminium and are balanced statically and dynamically according to G 6.3 of (DIN ISO 1940).

### Motors

Standard IEC motor in frame type IMB5, protection class IP55, 1~230V/50Hz or 3~400V/50Hz, insulation class F. Motors of fans up to size 500 are suitable for transformer-type speed control.

### Electrical connection

The motor terminal box is easily accessible after removal of the fan cowl. The motor has to be connected according to the provided wiring diagram in accordance with locally applicable regulations.

### Installation

All fans are delivered ready for installation and are packed in separate boxes or crates. We recommend the use of matching Wolter roof sockets. If other roof sockets are used, dimensions given in our catalogue should be followed to achieve proper sealing and avoid air-leakage.

### Fan performance curves

The performance curves for these roof fans have been tested according to DIN 24 163. The curves indicate the static pressure increase  $\Delta p_{st}$  (static, free outlet) as a function of the volume flow. The reference air density is 1,2 kg/m<sup>3</sup>.

### Sound levels

The sound data was measured according to DIN 45 635, part 38. The figures shown in the performance curves are the **A-weighted sound power levels ( $L_{WA}$ )** in dB(A). They are equal to the **free outlet sound power level  $L_{WA8}$** .

The free inlet **sound power level  $L_{WA5}$**  can be calculated by the following approximation formula:

$$L_{WA5} = L_{WA} - 3 \text{ dB}$$

If sound protection measures require exact calculation, it is important to know the the sound power level of the octave band:

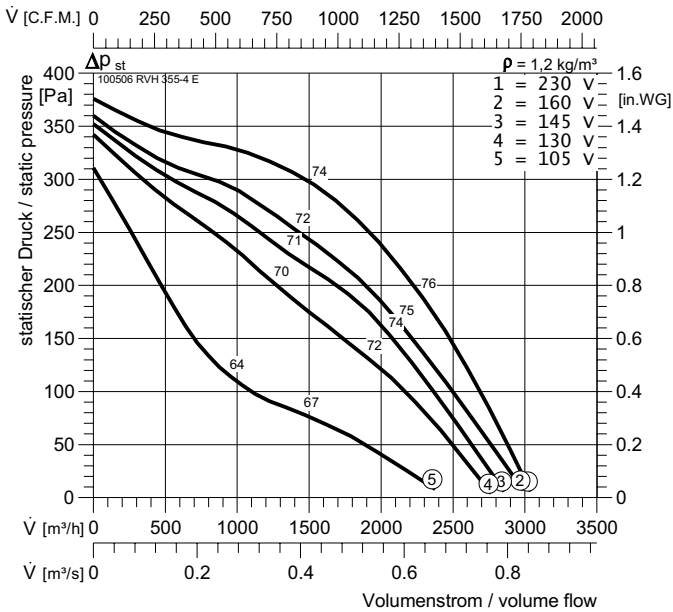
$$L_{Wokt} = L_{WA} + L_{Wrel}$$

The A-weighted sound pressure level at the outlet side can only be approximated, since environmental conditions will affect noise levels.

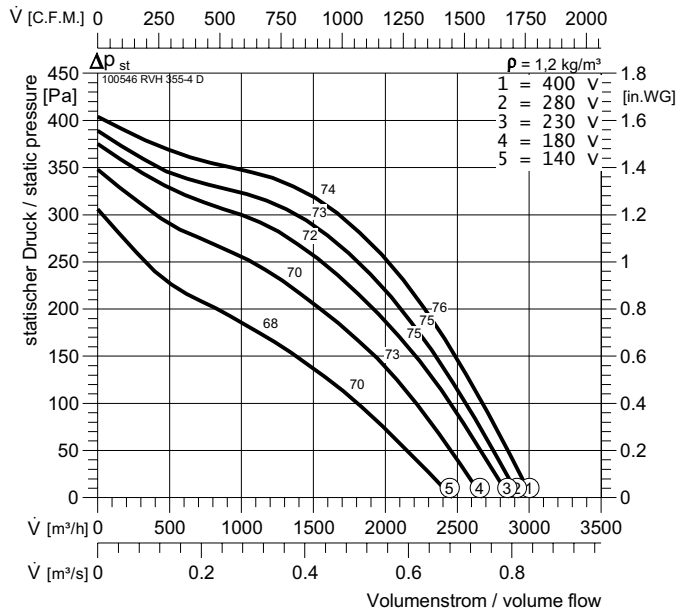
$$L_{PA} = L_{WA} - \Delta L$$

The actual noise levels will vary, depending on system characteristics such as reflexion, resonant frequencies or structure-borne noise transfer.

RVH 355-4 E, 80/120°C

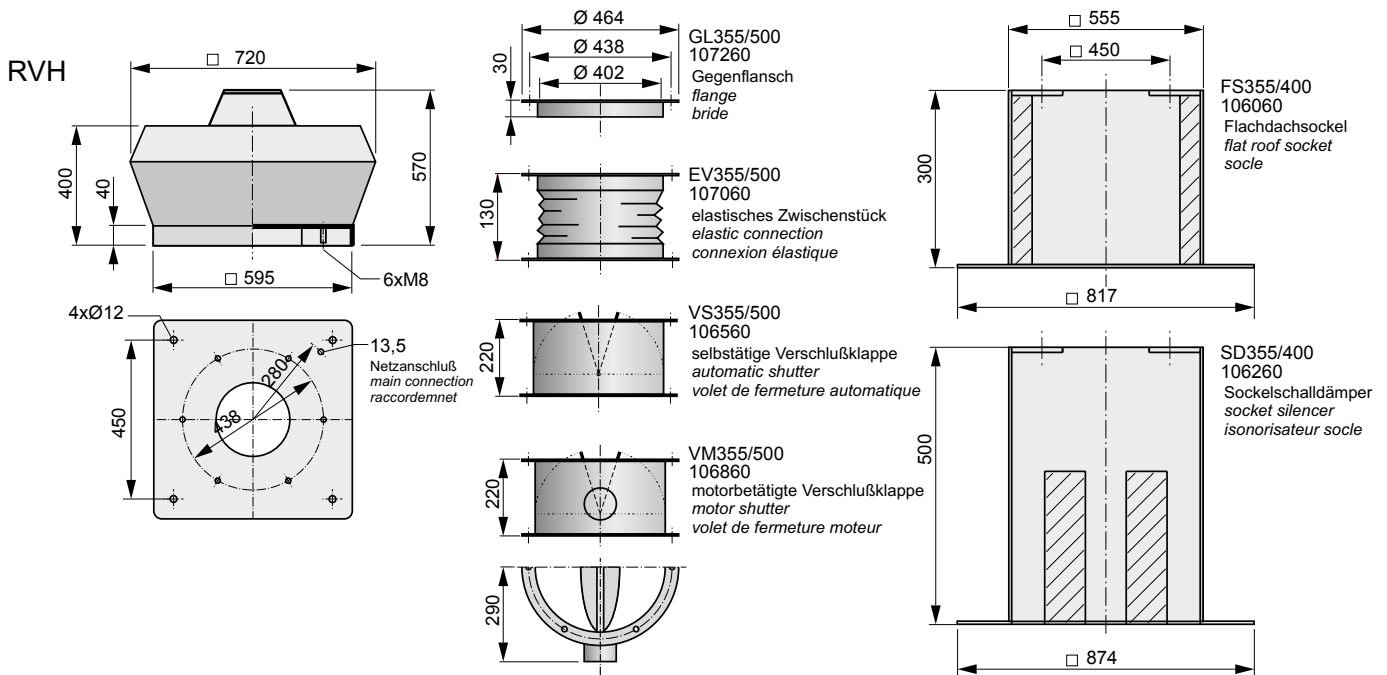


RVH 355-4 D, 80/120°C



| Typ                        | ArtNr                                 | ■      | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|----------------------------|---------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 355-4 E</b>         | 100506                                | 30 kg  | L <sub>WA tot</sub> -3     | 0                | 0                |
| U : 230 V 50 Hz            | Δ p <sub>fa min</sub> : 0             | 125 Hz | -15                        | -19              |                  |
| P <sub>1</sub> : 0,36 kW   | Δ I : 26                              | 250 Hz | -12                        | -10              |                  |
| I <sub>N</sub> : 2,1 A     | I <sub>A</sub> / I <sub>N</sub> : 3,1 | 500 Hz | -9                         | -6               |                  |
| n : 1405 min <sup>-1</sup> | ▲ IP 55                               | 1 kHz  | -8                         | -4               |                  |
| C <sub>400V</sub> : 6 μF   | ★ E13                                 | 2 kHz  | -12                        | -7               |                  |
| t <sub>R</sub> : 80/120 °C | □ GS 1                                | 4 kHz  | -13                        | -15              |                  |
|                            | ■ NE 3,2                              | 8 kHz  | -20                        | -18              |                  |
|                            | ▽ RPE 06                              |        |                            |                  |                  |

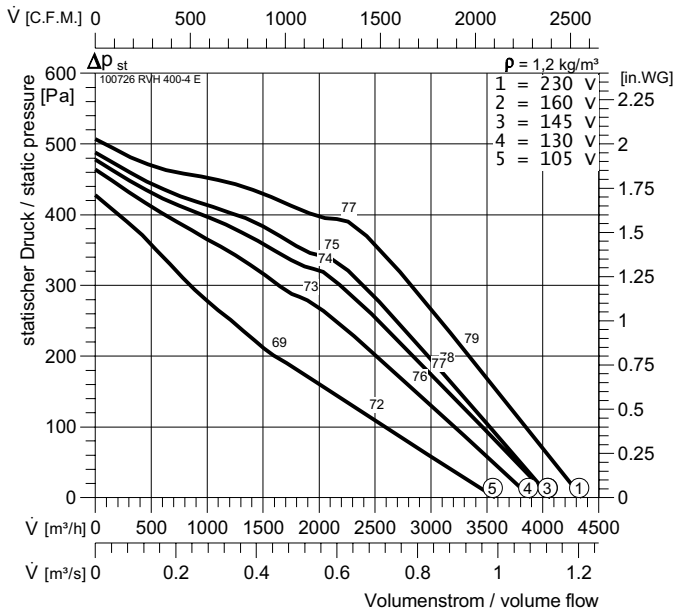
| Typ                        | ArtNr                                 | ■      | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|----------------------------|---------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 355-4 D</b>         | 100546                                | 29 kg  | L <sub>WA tot</sub> -3     | 0                | 0                |
| U : 400 V 50 Hz            | Δ p <sub>fa min</sub> : 0             | 125 Hz | -15                        | -19              |                  |
| P <sub>1</sub> : 0,35 kW   | Δ I : -                               | 250 Hz | -12                        | -10              |                  |
| I <sub>N</sub> : 1,1 A     | I <sub>A</sub> / I <sub>N</sub> : 5,3 | 500 Hz | -9                         | -6               |                  |
| n : 1435 min <sup>-1</sup> | ▲ IP 55                               | 1 kHz  | -8                         | -4               |                  |
| C <sub>400V</sub> : - μF   | ★ DD0-K                               | 2 kHz  | -12                        | -7               |                  |
| t <sub>R</sub> : 80/120 °C | □ GS 2                                | 4 kHz  | -13                        | -15              |                  |
|                            | ■ RTD 1,2                             | 8 kHz  | -20                        | -18              |                  |
|                            | ▽ SAD 9                               |        |                            |                  |                  |



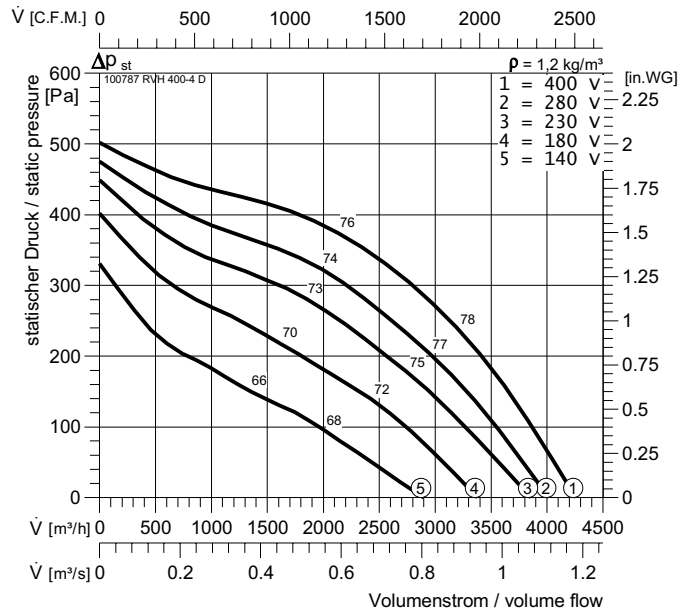
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### RVH 400-4 E, 80/120°C

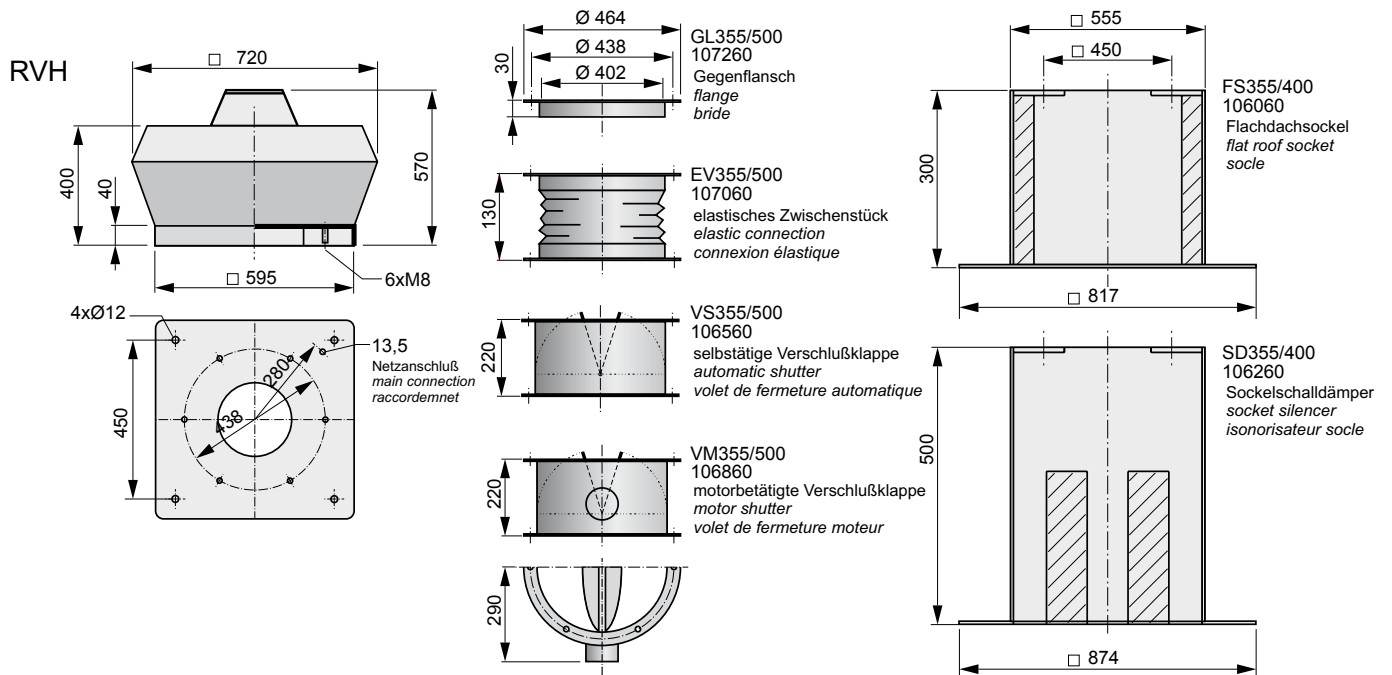


### RVH 400-4 D, 80/120°C



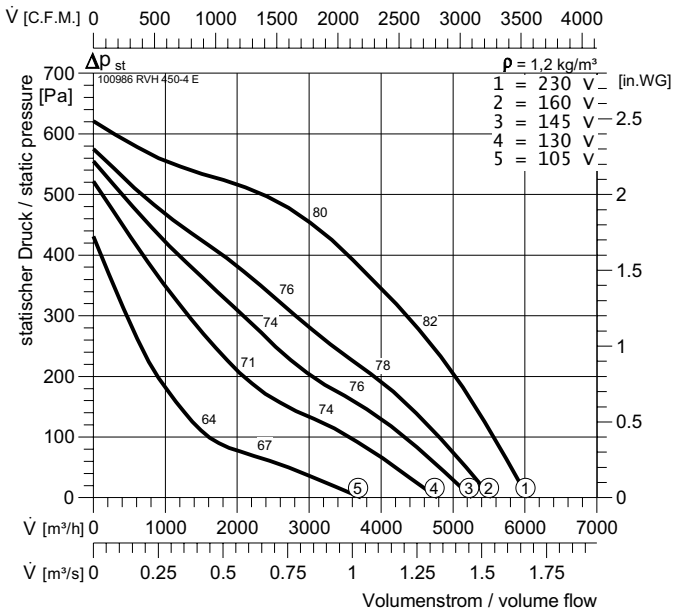
| Typ                        | ArtNr                               | Icon   | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|----------------------------|-------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 400-4 E</b>         | 100726                              | 32 kg  | L <sub>WA tot</sub> -3     | 0                |                  |
| U : 230 V 50 Hz            | Δ p <sub>fa min</sub> : 0           |        | 125 Hz -13                 | -19              |                  |
| P <sub>1</sub> : 0,64 kW   | Δ I : 40                            |        | 250 Hz -15                 | -9               |                  |
| I <sub>N</sub> : 3,2 A     | I <sub>A</sub> / I <sub>N</sub> : 4 |        | 500 Hz -10                 | -5               |                  |
| n : 1410 min <sup>-1</sup> | ⚠                                   | IP 55  | 1 kHz -11                  | -4               |                  |
| C <sub>400V</sub> : 16 μF  | ★                                   | E13    | 2 kHz -7                   | -8               |                  |
| t <sub>R</sub> : 80/120 °C | 🔧                                   | GS 1   | 4 kHz -14                  | -14              |                  |
|                            | 🔧                                   | NE 3,2 | 8 kHz -21                  | -17              |                  |
|                            | 🔧                                   | RPE 09 |                            |                  |                  |

| Typ                        | ArtNr                                 | Icon    | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|----------------------------|---------------------------------------|---------|----------------------------|------------------|------------------|
| <b>RVH 400-4 D</b>         | 100787                                | 30 kg   | L <sub>WA tot</sub> -3     | 0                |                  |
| U : 400 V 50 Hz            | Δ p <sub>fa min</sub> : 0             |         | 125 Hz -13                 | -19              |                  |
| P <sub>1</sub> : 0,54 kW   | Δ I : -                               |         | 250 Hz -15                 | -9               |                  |
| I <sub>N</sub> : 1,25 A    | I <sub>A</sub> / I <sub>N</sub> : 4,7 |         | 500 Hz -10                 | -5               |                  |
| n : 1390 min <sup>-1</sup> | ⚠                                     | IP 55   | 1 kHz -11                  | -4               |                  |
| C <sub>400V</sub> : - μF   | ★                                     | DD0-K   | 2 kHz -7                   | -8               |                  |
| t <sub>R</sub> : 80/120 °C | 🔧                                     | GS 2    | 4 kHz -14                  | -14              |                  |
|                            | 🔧                                     | RTD 2,5 | 8 kHz -21                  | -17              |                  |
|                            | 🔧                                     | SAD 9   |                            |                  |                  |

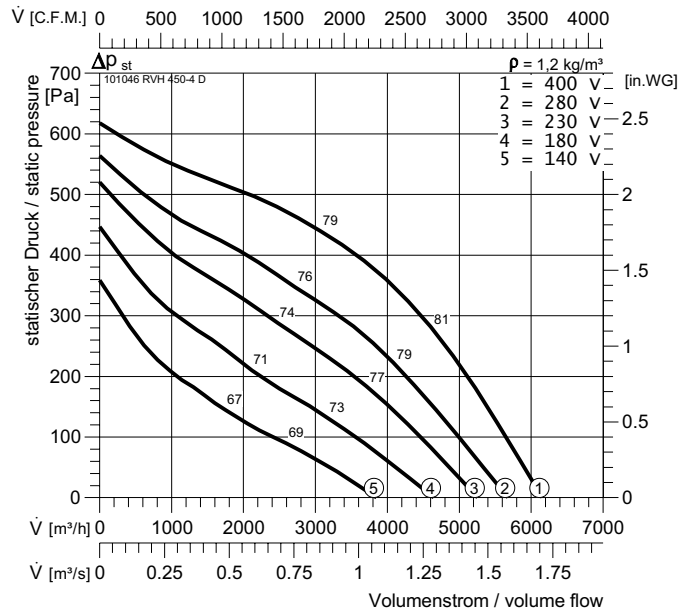


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RVH 450-4 E, 80/120°C

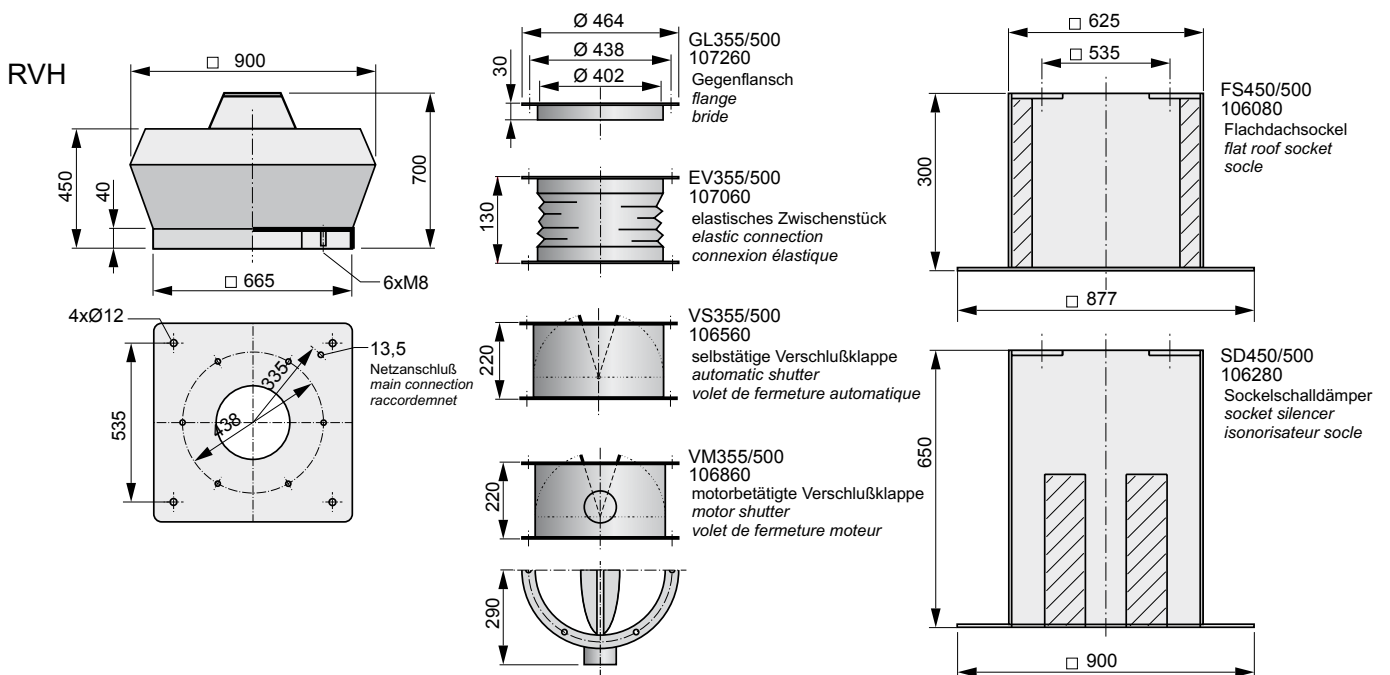


RVH 450-4 D, 80/120°C



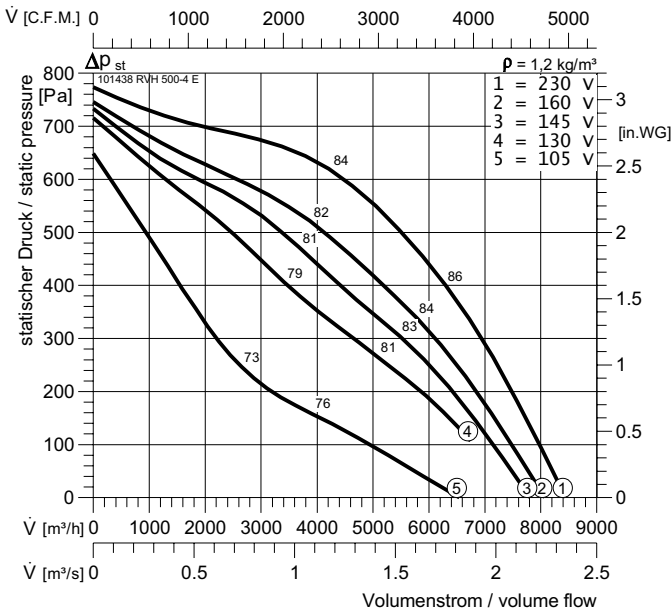
| Typ                        | ArtNr                                 | Weight | L <sub>WA rel</sub> ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|----------------------------|---------------------------------------|--------|-------------------------|------------------|------------------|
| <b>RVH 450-4 E</b>         | 100986                                | 46 kg  | L <sub>WA tot</sub> -3  | -3               | 0                |
| U : 230 V 50 Hz            | Δ p <sub>fa min</sub> : 0             | 125 Hz | -13                     | -19              |                  |
| P <sub>1</sub> : 0,95 kW   | Δ I : 19                              | 250 Hz | -15                     | -9               |                  |
| I <sub>N</sub> : 4,3 A     | I <sub>A</sub> / I <sub>N</sub> : 2,9 | 500 Hz | -10                     | -5               |                  |
| n : 1330 min <sup>-1</sup> | IP 55                                 | 1 kHz  | -11                     | -4               |                  |
| C <sub>400V</sub> : 16 μF  | E13                                   | 2 kHz  | -7                      | -8               |                  |
| t <sub>R</sub> : 80/120 °C | GS 1                                  | 4 kHz  | -14                     | -14              |                  |
|                            | NE 5                                  | 8 kHz  | -21                     | -17              |                  |
|                            | RPE 09                                |        |                         |                  |                  |

| Typ                        | ArtNr                                 | Weight | L <sub>WA rel</sub> ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|----------------------------|---------------------------------------|--------|-------------------------|------------------|------------------|
| <b>RVH 450-4 D</b>         | 101046                                | 41 kg  | L <sub>WA tot</sub> -3  | -3               | 0                |
| U : 400 V 50 Hz            | Δ p <sub>fa min</sub> : 0             | 125 Hz | -13                     | -19              |                  |
| P <sub>1</sub> : 0,87 kW   | Δ I : 12                              | 250 Hz | -15                     | -9               |                  |
| I <sub>N</sub> : 1,6 A     | I <sub>A</sub> / I <sub>N</sub> : 4,3 | 500 Hz | -10                     | -5               |                  |
| n : 1335 min <sup>-1</sup> | IP 55                                 | 1 kHz  | -11                     | -4               |                  |
| C <sub>400V</sub> : - μF   | DD0-K                                 | 2 kHz  | -7                      | -8               |                  |
| t <sub>R</sub> : 80/120 °C | GS 2                                  | 4 kHz  | -14                     | -14              |                  |
|                            | RTD 2,5                               | 8 kHz  | -21                     | -17              |                  |
|                            | SAD 9                                 |        |                         |                  |                  |

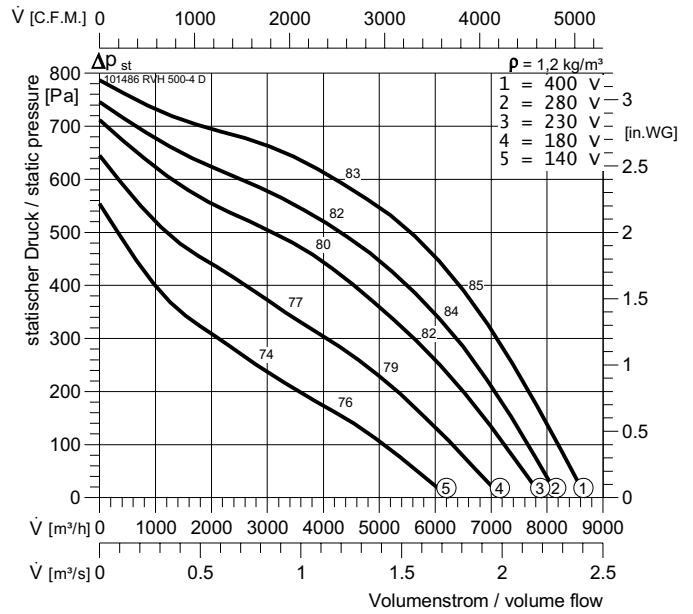




## RVH 500-4 E, 80/120°C

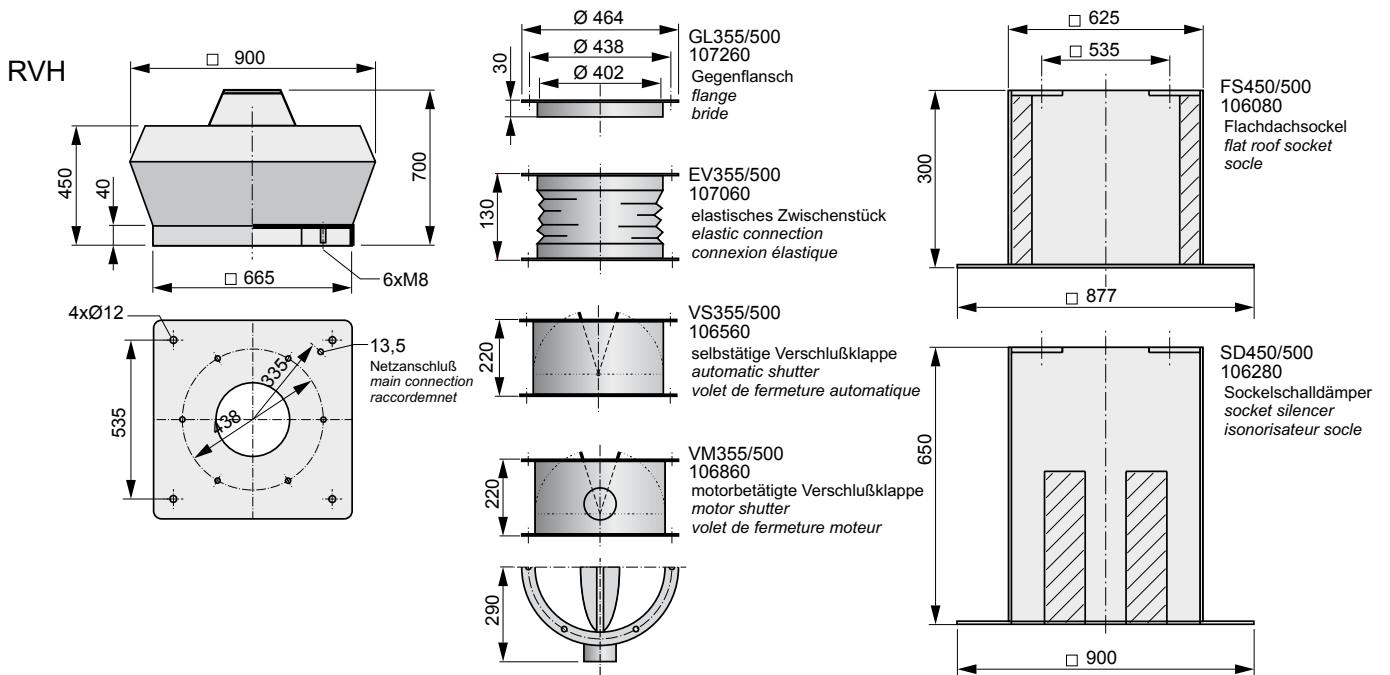


## RVH 500-4 D, 80/120°C



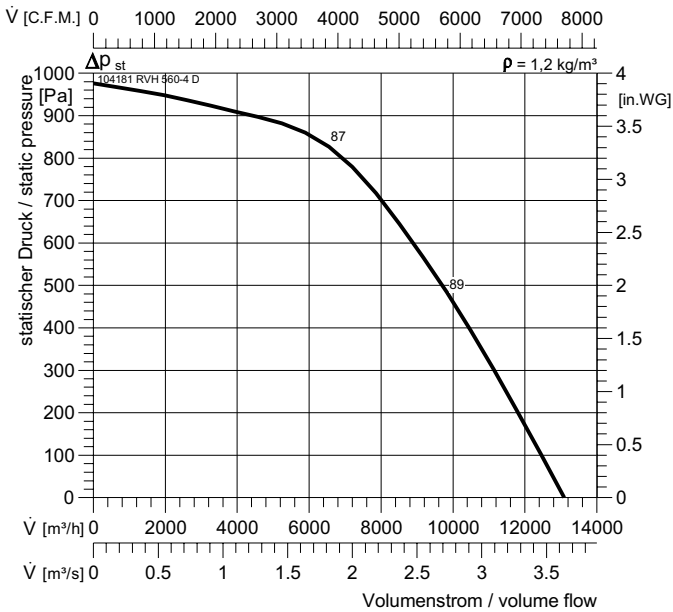
| Typ                        | ArtNr                                 | Weight | $L_{WA\ rel}$<br>$\Delta dB$ | $L_{WA5}$ | $L_{WA8}$ |
|----------------------------|---------------------------------------|--------|------------------------------|-----------|-----------|
| <b>RVH 500-4 E</b>         | 101438                                | 55 kg  | $L_{WA\ tot}$ -3             | -3        | 0         |
| U : 230 V 50 Hz            | $\Delta p_{fa\ min}$ : 0              |        | 125 Hz -12                   | -12       | -21       |
| P <sub>1</sub> : 1,76 kW   | $\Delta I$ : 23                       |        | 250 Hz -14                   | -14       | -10       |
| I <sub>N</sub> : 8,7 A     | I <sub>A</sub> / I <sub>N</sub> : 4,1 |        | 500 Hz -9                    | -9        | -6        |
| n : 1395 min <sup>-1</sup> | IP 55                                 |        | 1 kHz -10                    | -10       | -5        |
| C <sub>400V</sub> : 35 μF  | E13                                   |        | 2 kHz -9                     | -9        | -8        |
| t <sub>R</sub> : 80/120 °C | GS 1                                  |        | 4 kHz -15                    | -15       | -14       |
|                            | NE 10                                 |        | 8 kHz -21                    | -21       | -17       |

| Typ                        | ArtNr                                 | Weight | $L_{WA\ rel}$<br>$\Delta dB$ | $L_{WA5}$ | $L_{WA8}$ |
|----------------------------|---------------------------------------|--------|------------------------------|-----------|-----------|
| <b>RVH 500-4 D</b>         | 101486                                | 52 kg  | $L_{WA\ tot}$ -3             | -3        | 0         |
| U : 400 V 50 Hz            | $\Delta p_{fa\ min}$ : 0              |        | 125 Hz -12                   | -12       | -21       |
| P <sub>1</sub> : 1,65 kW   | $\Delta I$ : 5,5                      |        | 250 Hz -14                   | -14       | -10       |
| I <sub>N</sub> : 3,6 A     | I <sub>A</sub> / I <sub>N</sub> : 4,1 |        | 500 Hz -9                    | -9        | -6        |
| n : 1400 min <sup>-1</sup> | IP 55                                 |        | 1 kHz -10                    | -10       | -5        |
| C <sub>400V</sub> : - μF   | DD0-K                                 |        | 2 kHz -9                     | -9        | -8        |
| t <sub>R</sub> : 80/120 °C | GS 2                                  |        | 4 kHz -15                    | -15       | -14       |
|                            | RTD 3,8                               |        | 8 kHz -21                    | -21       | -17       |

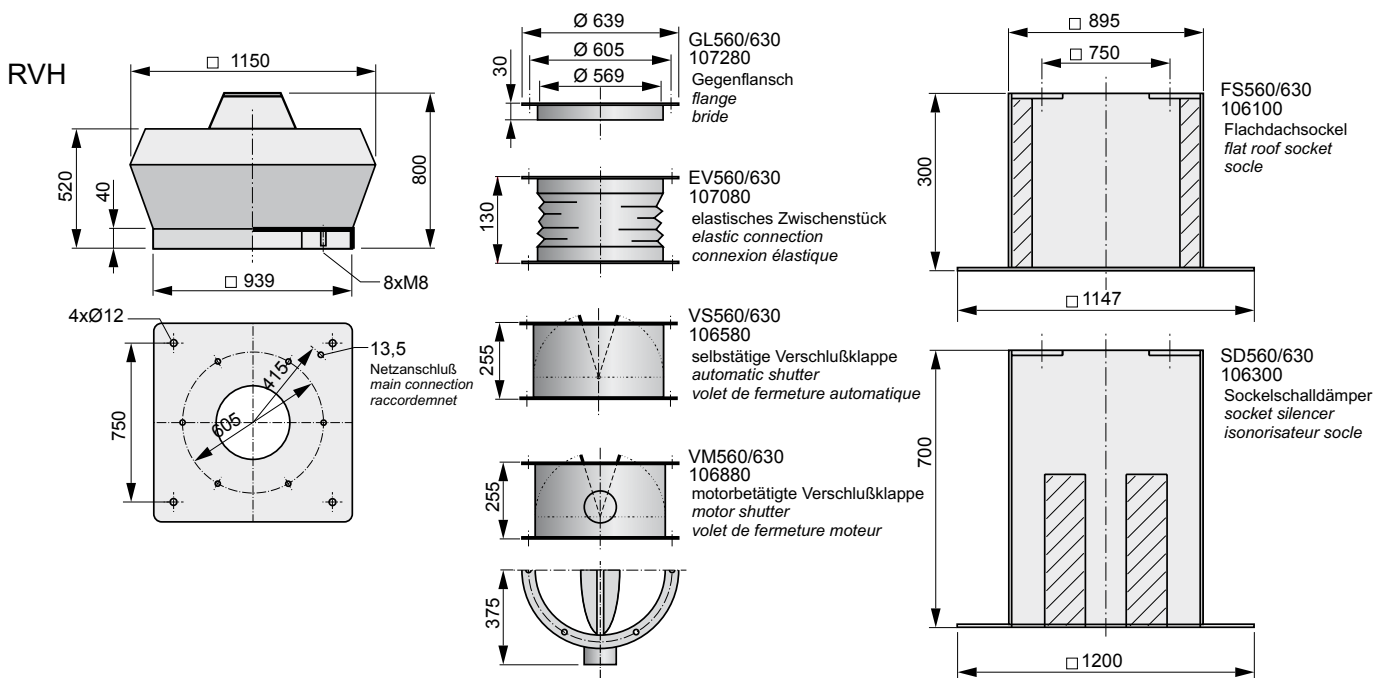


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RVH 560-4 D, 80/120°C



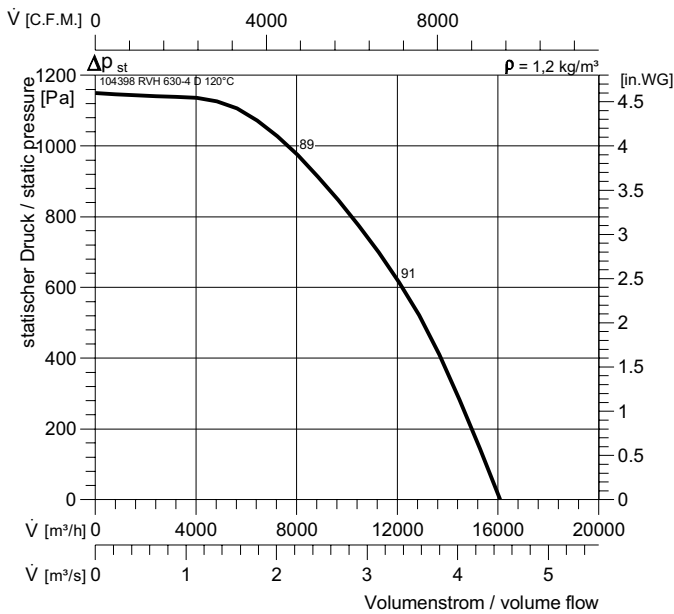
| Typ                               | ArtNr                  |       | $L_{WA,rel}$<br>$\Delta dB$ | $L_{WA5}$ | $L_{WA8}$ |
|-----------------------------------|------------------------|-------|-----------------------------|-----------|-----------|
| <b>RVH 560-4 D</b>                | 104181                 | 75 kg | $L_{WA,tot}$                | -3        | 0         |
| <b>U :</b> 400 V 50 Hz            | $\Delta p_{fa, min} :$ | 0     | 125 Hz                      | -12       | -21       |
| <b>P<sub>1</sub> :</b> 3 kW       | $\Delta I :$           | -     | 250 Hz                      | -14       | -10       |
| <b>I<sub>N</sub> :</b> 6 A        | $I_A / I_N :$          | 5,3   | 500 Hz                      | -9        | -6        |
| <b>n :</b> 1440 min <sup>-1</sup> |                        | IP 55 | 1 kHz                       | -10       | -5        |
| <b>C<sub>400V</sub> :</b> - µF    |                        | DD0-K | 2 kHz                       | -9        | -8        |
| <b>t<sub>R</sub> :</b> 80/120 °C  |                        | GS 2  | 4 kHz                       | -15       | -14       |
|                                   |                        | -     | 8 kHz                       | -21       | -17       |
|                                   |                        | -     |                             |           |           |



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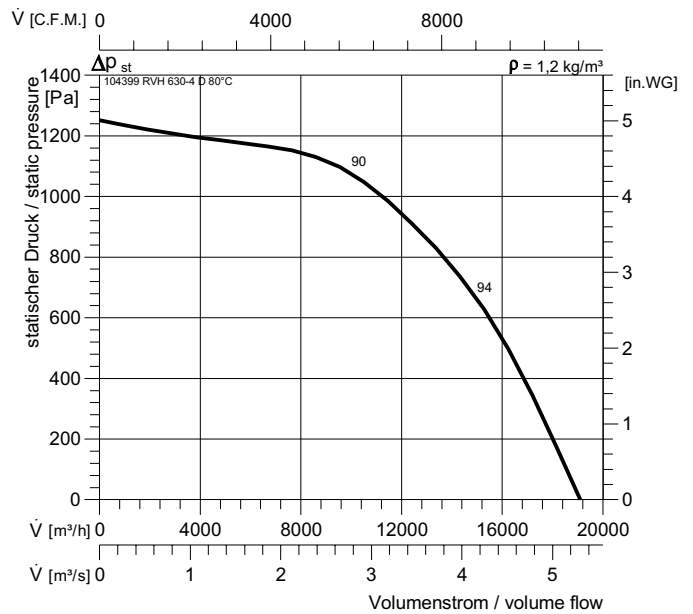


## RVH 630-4 D 120°C

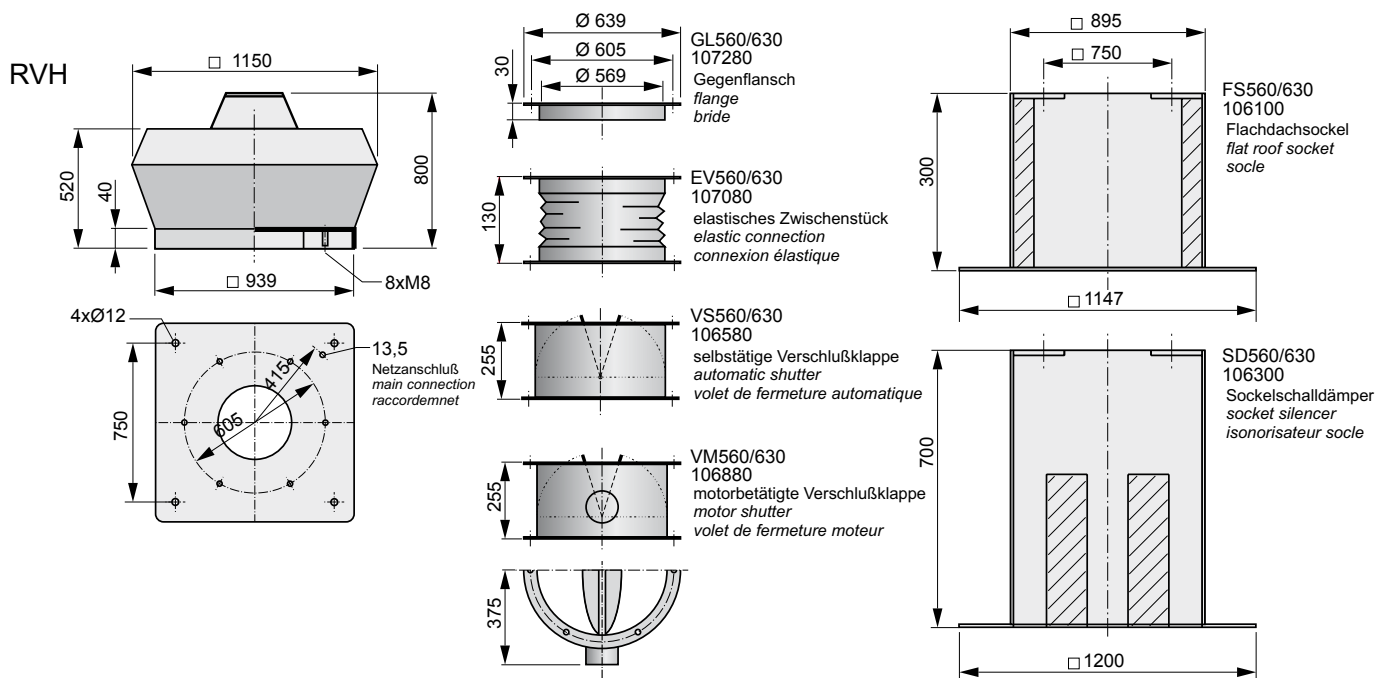


| Typ                               | ArtNr                    |        | $L_{WA\ rel}$<br>$\Delta dB$ | $L_{WA5}$ | $L_{WA8}$ |
|-----------------------------------|--------------------------|--------|------------------------------|-----------|-----------|
| <b>RVH 630-4 D 120°C</b>          | 104398                   | 100 kg | $L_{WA\ tot}$ -3             | 0         |           |
| <b>U :</b> 400 V 50 Hz            | $\Delta p_{fa\ min} :$ 0 |        | <b>125 Hz</b> -12            | -19       |           |
| <b>P<sub>1</sub> :</b> 4,4 kW     | $\Delta I :$ -           |        | <b>250 Hz</b> -14            | -9        |           |
| <b>I<sub>N</sub> :</b> 10,0 A     | $I_A / I_N :$ 5,9        |        | <b>500 Hz</b> -9             | -4        |           |
| <b>n :</b> 1475 min <sup>-1</sup> |                          | IP 55  | <b>1 kHz</b> -10             | -5        |           |
| <b>C<sub>400V</sub> :</b> - μF    |                          | DD0-K  | <b>2 kHz</b> -8              | -8        |           |
| <b>t<sub>R</sub> :</b> 120 °C     |                          | GS 2   | <b>4 kHz</b> -14             | -13       |           |
|                                   |                          | -      | <b>8 kHz</b> -22             | -16       |           |
|                                   |                          | -      |                              |           |           |

## RVH 630-4 D 80°C



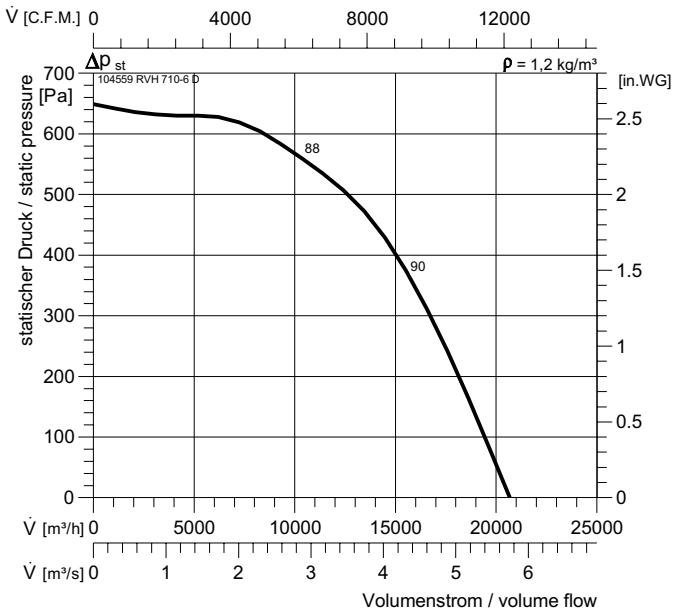
| Typ                               | ArtNr                    |        | $L_{WA\ rel}$<br>$\Delta dB$ | $L_{WA5}$ | $L_{WA8}$ |
|-----------------------------------|--------------------------|--------|------------------------------|-----------|-----------|
| <b>RVH 630-4 D 80°C</b>           | 104399                   | 102 kg | $L_{WA\ tot}$ -3             | 0         |           |
| <b>U :</b> 400 V 50 Hz            | $\Delta p_{fa\ min} :$ 0 |        | <b>125 Hz</b> -12            | -19       |           |
| <b>P<sub>1</sub> :</b> 5,8 kW     | $\Delta I :$ -           |        | <b>250 Hz</b> -14            | -9        |           |
| <b>I<sub>N</sub> :</b> 11,5 A     | $I_A / I_N :$ 5,9        |        | <b>500 Hz</b> -9             | -4        |           |
| <b>n :</b> 1460 min <sup>-1</sup> |                          | IP 55  | <b>1 kHz</b> -10             | -5        |           |
| <b>C<sub>400V</sub> :</b> - μF    |                          | DD0-K  | <b>2 kHz</b> -8              | -8        |           |
| <b>t<sub>R</sub> :</b> 80 °C      |                          | GS 2   | <b>4 kHz</b> -14             | -13       |           |
|                                   |                          | -      | <b>8 kHz</b> -22             | -16       |           |
|                                   |                          | -      |                              |           |           |



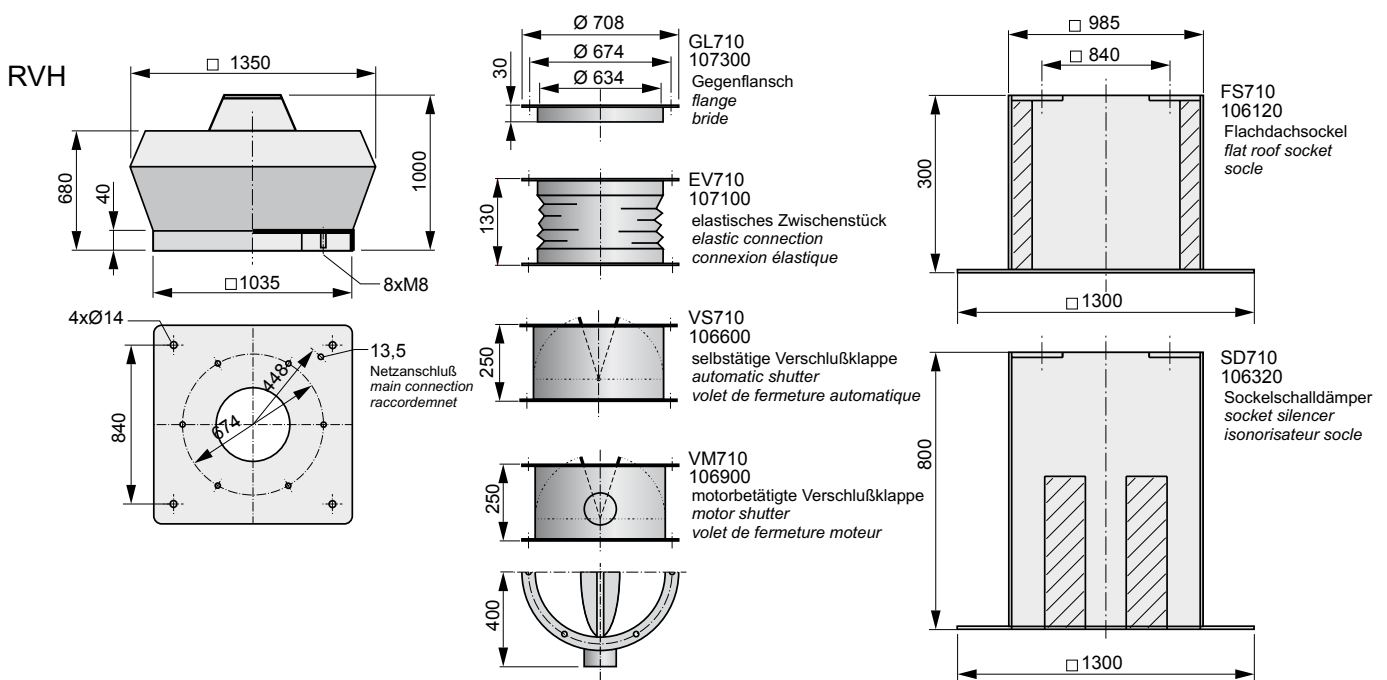
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### RVH 710-6 D, 80/120°C



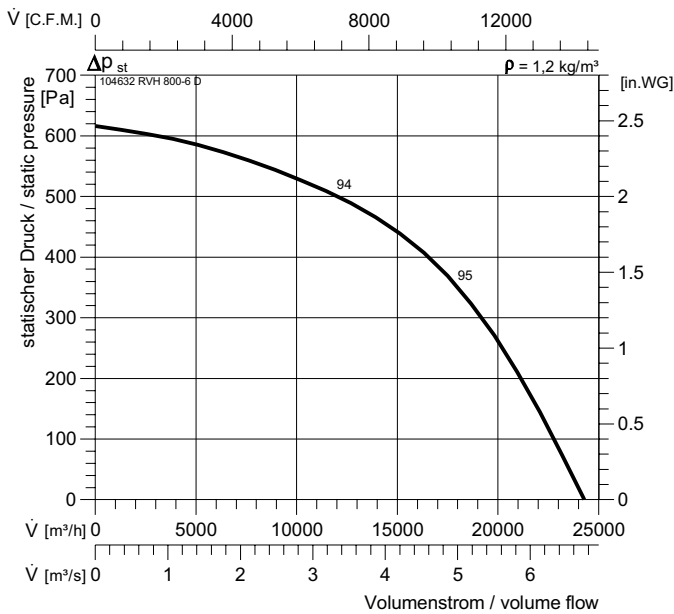
| Typ                              | ArtNr                  |        | $L_{WA\ rel}$<br>$\Delta dB$ | $L_{WA5}$ | $L_{WA8}$ |
|----------------------------------|------------------------|--------|------------------------------|-----------|-----------|
| <b>RVH 710-6 D</b>               | 104559                 | 149 kg | $L_{WA\ tot}$                | -3        | 0         |
| <b>U :</b> 400 V 50 Hz           | $\Delta p_{fa\ min} :$ | 0      | 125 Hz                       | -12       | -19       |
| <b>P<sub>1</sub> :</b> 3,4 kW    | $\Delta I :$           | -      | 250 Hz                       | -14       | -9        |
| <b>I<sub>N</sub> :</b> 10 A      | $I_A / I_N :$          | 5,9    | 500 Hz                       | -9        | -4        |
| <b>n :</b> 980 min <sup>-1</sup> |                        | IP 55  | 1 kHz                        | -10       | -5        |
| <b>C<sub>400V</sub> :</b> - μF   |                        | DD0-K  | 2 kHz                        | -8        | -8        |
| <b>t<sub>R</sub> :</b> 80/120 °C |                        | GS 2   | 4 kHz                        | -14       | -13       |
|                                  |                        | -      | 8 kHz                        | -22       | -16       |
|                                  |                        | -      |                              |           |           |



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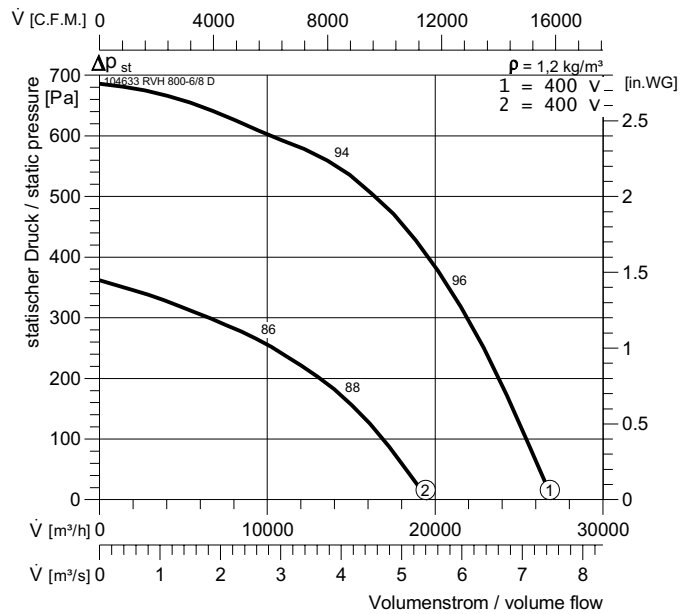


## RVH 800-6 D, 50°C

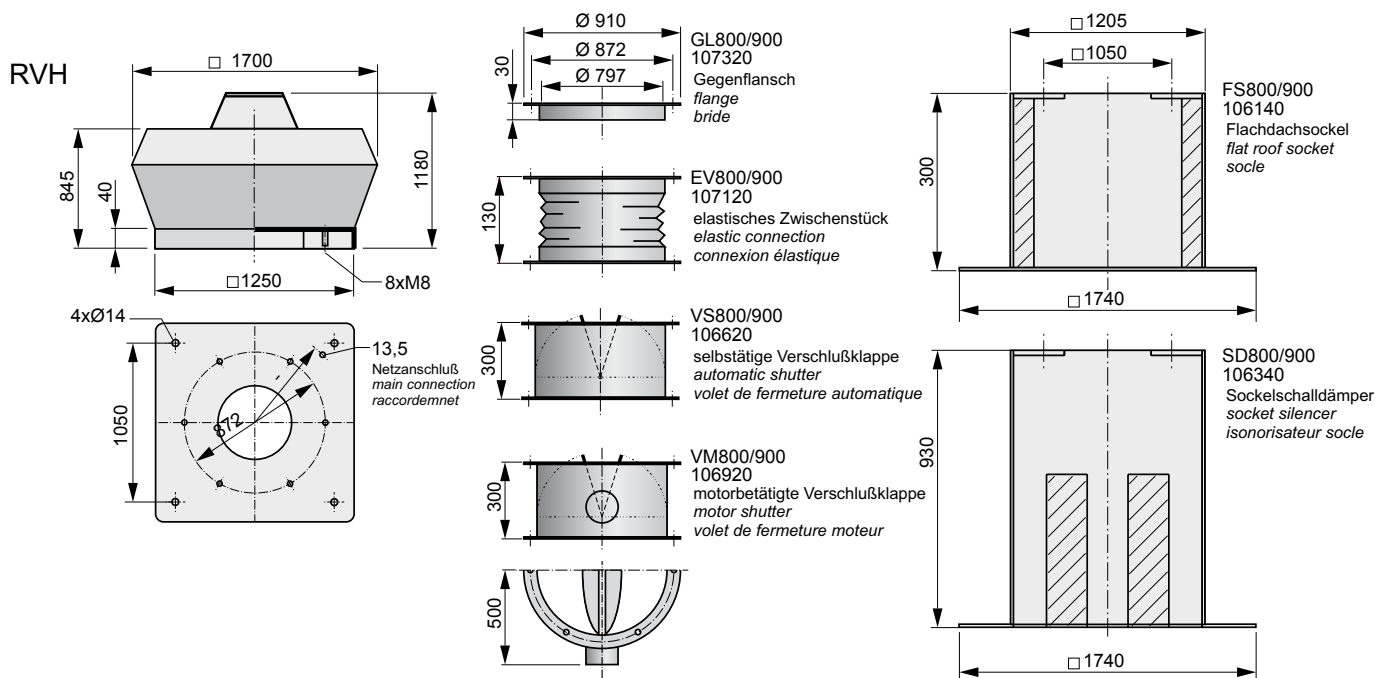


| Typ                              | ArtNr                    |        | $L_{WA\ rel}$<br>ΔdB | $L_{WA5}$ | $L_{WA8}$ |
|----------------------------------|--------------------------|--------|----------------------|-----------|-----------|
| <b>RVH 800-6 D</b>               | 104632                   | 200 kg | $L_{WA\ tot}$ -3     | 0         |           |
| <b>U</b> : 400 V 50 Hz           | $\Delta p_{fa\ min}$ : 0 |        | 125 Hz -15           | -13       |           |
| <b>P<sub>1</sub></b> : 4 kW      | $\Delta I$ : -           |        | 250 Hz -14           | -8        |           |
| <b>I<sub>N</sub></b> : 8,5 A     | $I_A / I_N$ : -          |        | 500 Hz -11           | -7        |           |
| <b>n</b> : 950 min <sup>-1</sup> |                          | IP 55  | 1 kHz -8             | -5        |           |
| <b>C<sub>400V</sub></b> : - μF   |                          | DD1-K  | 2 kHz -8             | -7        |           |
| <b>t<sub>R</sub></b> : 50 °C     |                          | GS 2   | 4 kHz -15            | -16       |           |
|                                  |                          | -      | 8 kHz -24            | -25       |           |
|                                  |                          | -      |                      |           |           |

## RVH 800-6/8 D, 50°C

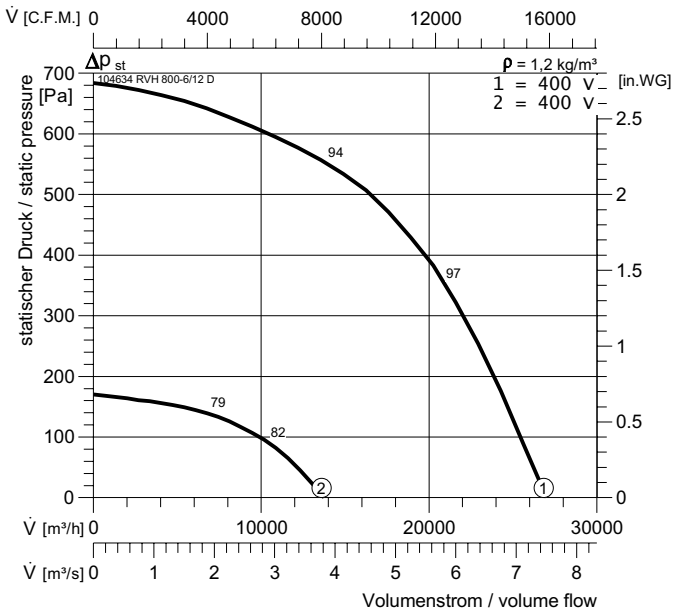


| Typ                                  | ArtNr                    |        | $L_{WA\ rel}$<br>ΔdB | $L_{WA5}$ | $L_{WA8}$ |
|--------------------------------------|--------------------------|--------|----------------------|-----------|-----------|
| <b>RVH 800-6/8 D</b>                 | 104633                   | 233 kg | $L_{WA\ tot}$ -3     | 0         |           |
| <b>U</b> : 400 V 50 Hz               | $\Delta p_{fa\ min}$ : 0 |        | 125 Hz -15           | -13       |           |
| <b>P<sub>1</sub></b> : 1,8/4 kW      | $\Delta I$ : -           |        | 250 Hz -14           | -8        |           |
| <b>I<sub>N</sub></b> : 5,3/10 A      | $I_A / I_N$ : -          |        | 500 Hz -11           | -7        |           |
| <b>n</b> : 720/950 min <sup>-1</sup> |                          | IP 55  | 1 kHz -8             | -5        |           |
| <b>C<sub>400V</sub></b> : - μF       |                          | DU7-K  | 2 kHz -8             | -7        |           |
| <b>t<sub>R</sub></b> : 50 °C         |                          | GS 2   | 4 kHz -15            | -16       |           |
|                                      |                          | -      | 8 kHz -24            | -25       |           |
|                                      |                          | -      |                      |           |           |

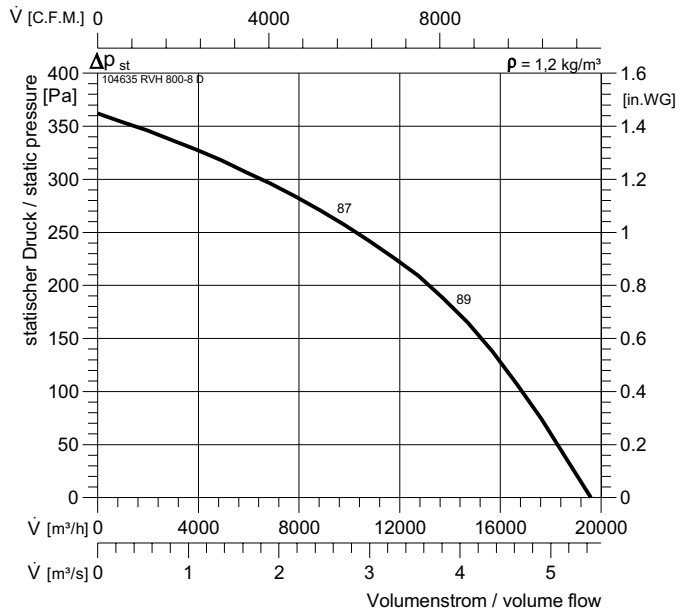


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RVH 800-6/12 D, 50°C

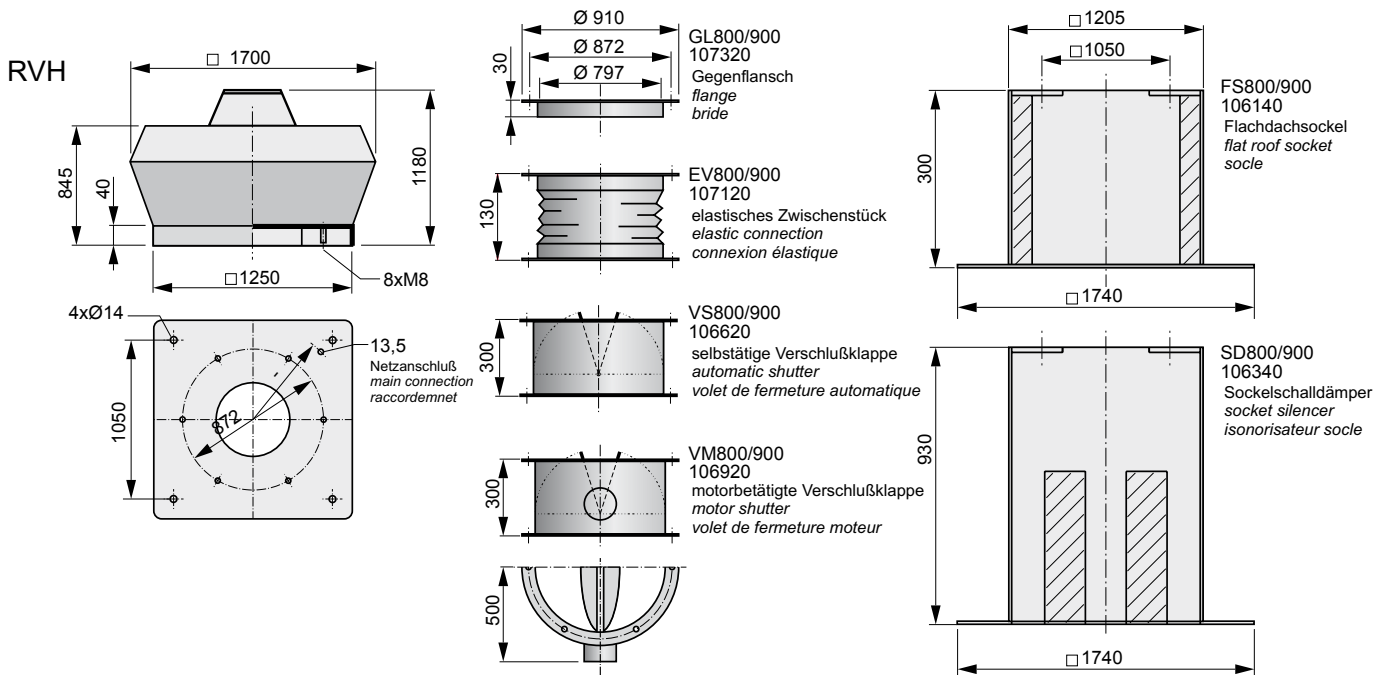


RVH 800-8 D, 50°C



| Typ                           | ArtNr                               | ■      | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|-------------------------------|-------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 800-6/12 D</b>         | 104634                              | 219 kg | L <sub>WA tot</sub> -3     | -3               | 0                |
| U : 400 V 50 Hz               | Δ p <sub>fa min</sub> : 0           |        | 125 Hz -15                 | -15              | -13              |
| P <sub>1</sub> : 0,5/4 kW     | Δ I : -                             |        | 250 Hz -14                 | -14              | -8               |
| I <sub>N</sub> : 2,7/8 A      | I <sub>A</sub> / I <sub>N</sub> : - |        | 500 Hz -11                 | -11              | -7               |
| n : 440/950 min <sup>-1</sup> | ▲                                   | IP 55  | 1 kHz -8                   | -8               | -5               |
| C <sub>400V</sub> : - μF      | ★                                   | DU8-K  | 2 kHz -8                   | -8               | -7               |
| t <sub>R</sub> : 50 °C        | ⏏                                   | GS 2   | 4 kHz -15                  | -15              | -16              |
|                               | ■                                   | -      | 8 kHz -24                  | -24              | -25              |
|                               | ▽                                   | -      |                            |                  |                  |

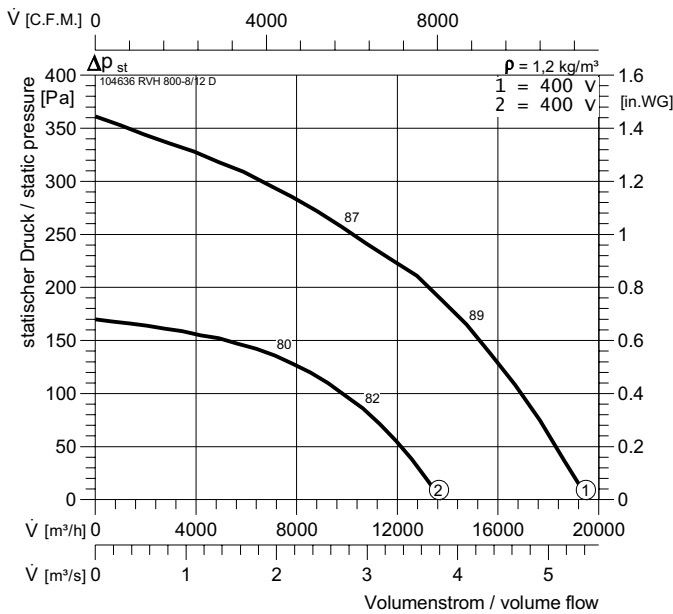
| Typ                       | ArtNr                               | ■      | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|---------------------------|-------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 800-8 D</b>        | 104635                              | 195 kg | L <sub>WA tot</sub> -3     | -3               | 0                |
| U : 400 V 50 Hz           | Δ p <sub>fa min</sub> : 0           |        | 125 Hz -15                 | -15              | -13              |
| P <sub>1</sub> : 2,2 kW   | Δ I : -                             |        | 250 Hz -14                 | -14              | -8               |
| I <sub>N</sub> : 5,9 A    | I <sub>A</sub> / I <sub>N</sub> : - |        | 500 Hz -11                 | -11              | -7               |
| n : 705 min <sup>-1</sup> | ▲                                   | IP 55  | 1 kHz -8                   | -8               | -5               |
| C <sub>400V</sub> : - μF  | ★                                   | DD1-K  | 2 kHz -8                   | -8               | -7               |
| t <sub>R</sub> : 50 °C    | ⏏                                   | GS 2   | 4 kHz -15                  | -15              | -16              |
|                           | ■                                   | -      | 8 kHz -24                  | -24              | -25              |
|                           | ▽                                   | -      |                            |                  |                  |



4.1

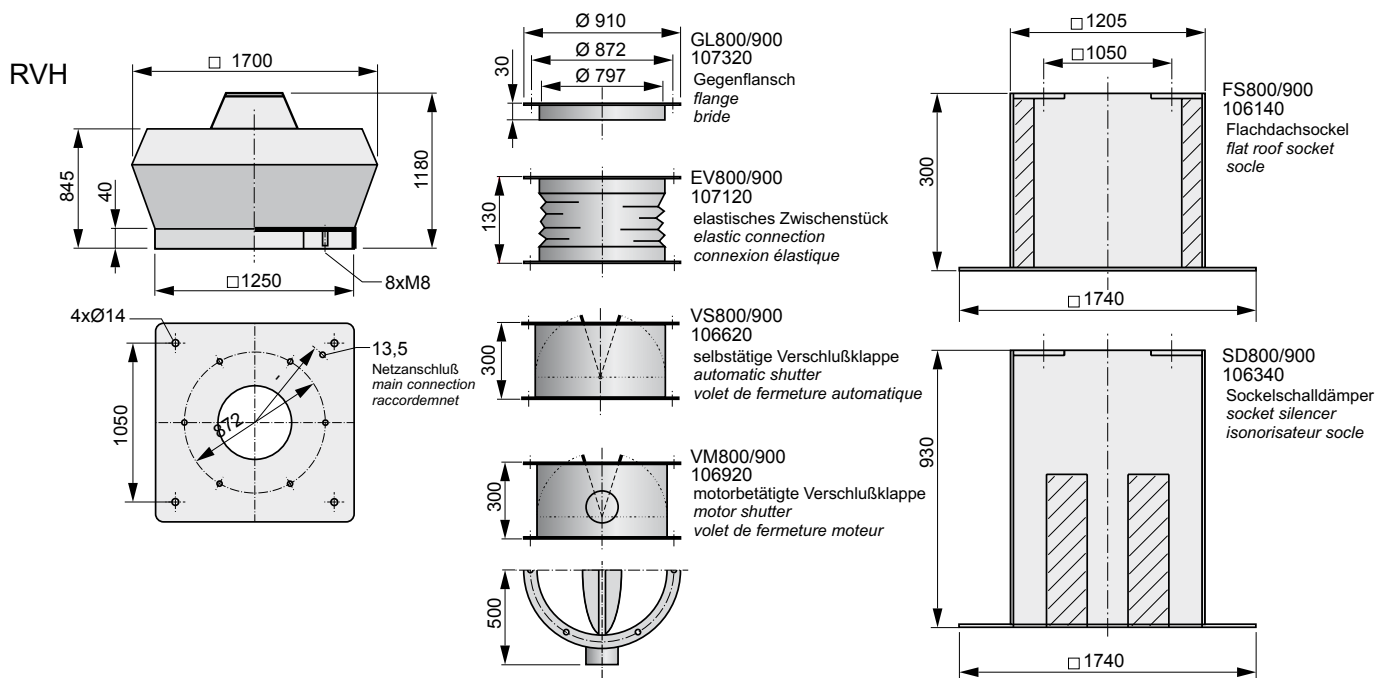


# RVH 800-8/12 D, 50°C

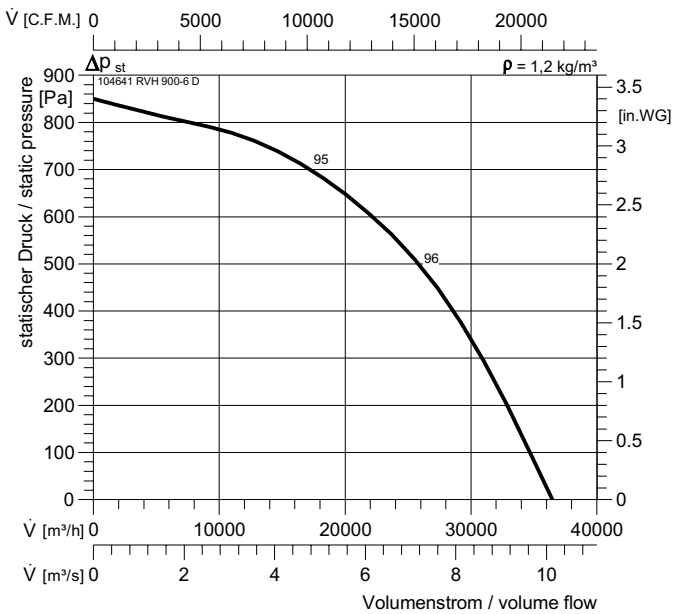


| Typ                                  | ArtNr                         | Icon  | Weight | $L_{WA \text{ rel}}$<br>$\Delta \text{dB}$ | $L_{WA5}$ | $L_{WA8}$ |
|--------------------------------------|-------------------------------|-------|--------|--|-----------|-----------|
| <b>RVH 800-8/12 D</b>                | 104636                        |       | 219 kg | $L_{WA \text{ tot}}$                       | -3        | 0         |
| <b>U :</b> 400 V 50 Hz               | $\Delta p_{fa \text{ min}}$ : | 0     |        | 125 Hz                                     | -15       | -13       |
| <b>P<sub>1</sub> :</b> 0,7/2,2 kW    | $\Delta I$ :                  | -     |        | 250 Hz                                     | -14       | -8        |
| <b>I<sub>N</sub> :</b> 3,2/6,8 A     | $I_A / I_N$ :                 | -     |        | 500 Hz                                     | -11       | -7        |
| <b>n :</b> 500/750 min <sup>-1</sup> |                               | IP 55 |        | 1 kHz                                      | -8        | -5        |
| <b>C<sub>400V</sub> :</b> - μF       |                               | DU7-K |        | 2 kHz                                      | -8        | -7        |
| <b>t<sub>R</sub> :</b> 50 °C         |                               | GS 2  |        | 4 kHz                                      | -15       | -16       |
|                                      |                               | -     |        | 8 kHz                                      | -24       | -25       |
|                                      |                               | -     |        |  |           |           |

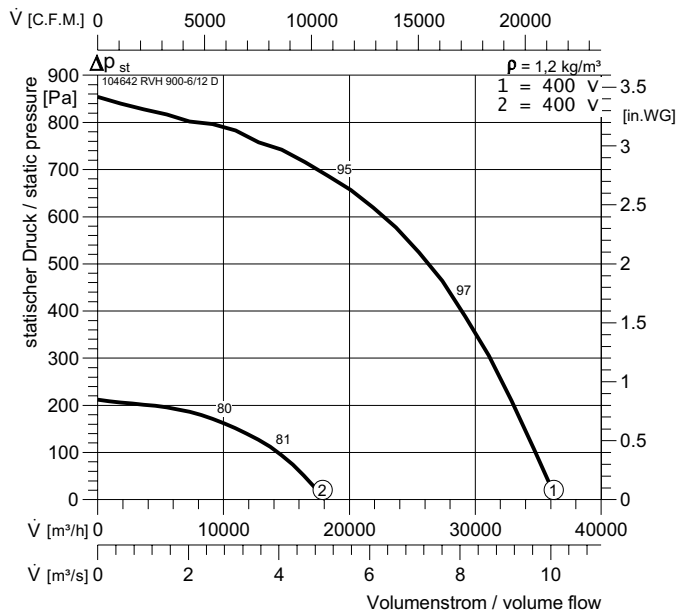
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RVH 900-6 D, 50°C

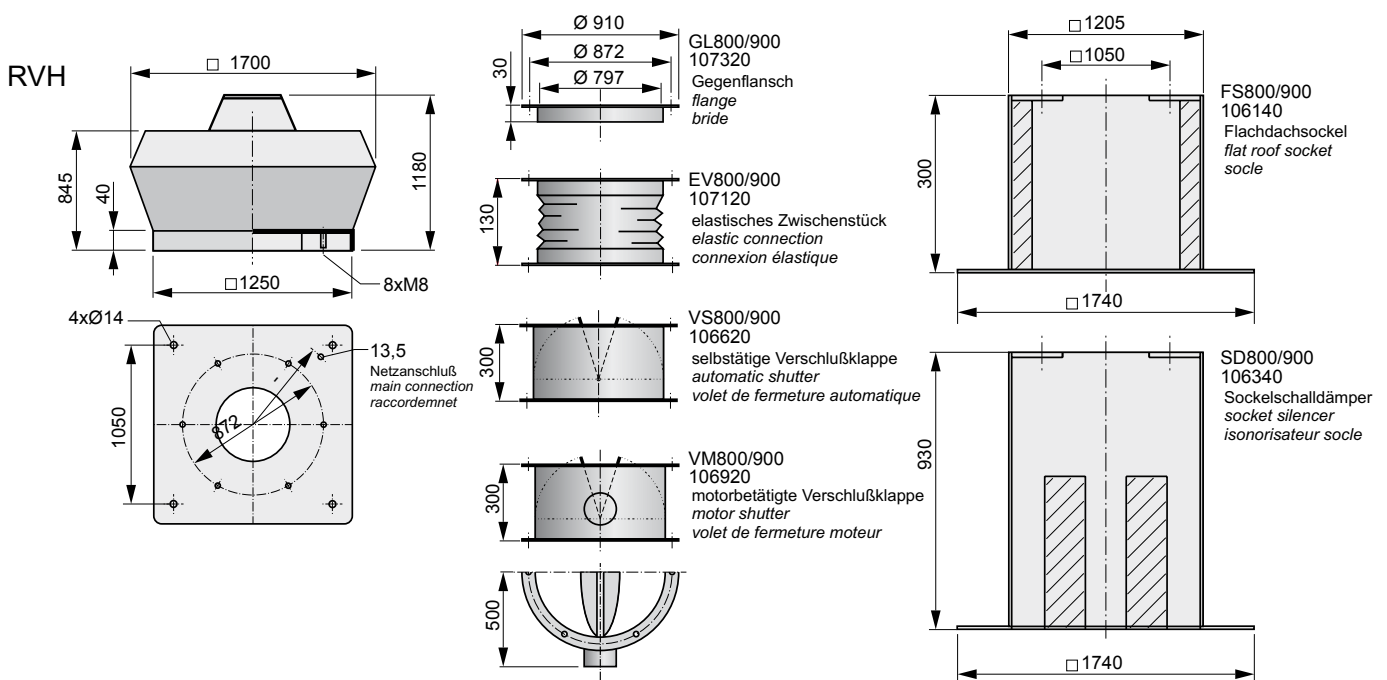


RVH 900-6/12 D, 50°C



| Typ                       | ArtNr                               | ■      | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|---------------------------|-------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 900-6 D</b>        | 104641                              | 242 kg | L <sub>WA tot</sub> -3     | 0                |                  |
| U : 400 V 50 Hz           | Δ p <sub>fa min</sub> : 0           |        | 125 Hz -15                 | -13              |                  |
| P <sub>1</sub> : 7,5 kW   | Δ I : -                             |        | 250 Hz -14                 | -8               |                  |
| I <sub>N</sub> : 16,5 A   | I <sub>A</sub> / I <sub>N</sub> : - |        | 500 Hz -11                 | -7               |                  |
| n : 960 min <sup>-1</sup> | ▲                                   | IP 55  | 1 kHz -8                   | -5               |                  |
| C <sub>400V</sub> : - μF  | ★                                   | DD1-K  | 2 kHz -8                   | -7               |                  |
| t <sub>R</sub> : 50 °C    | □                                   | GS 2   | 4 kHz -15                  | -16              |                  |
|                           | ■                                   | -      | 8 kHz -24                  | -25              |                  |
|                           | ▽                                   | -      |                            |                  |                  |

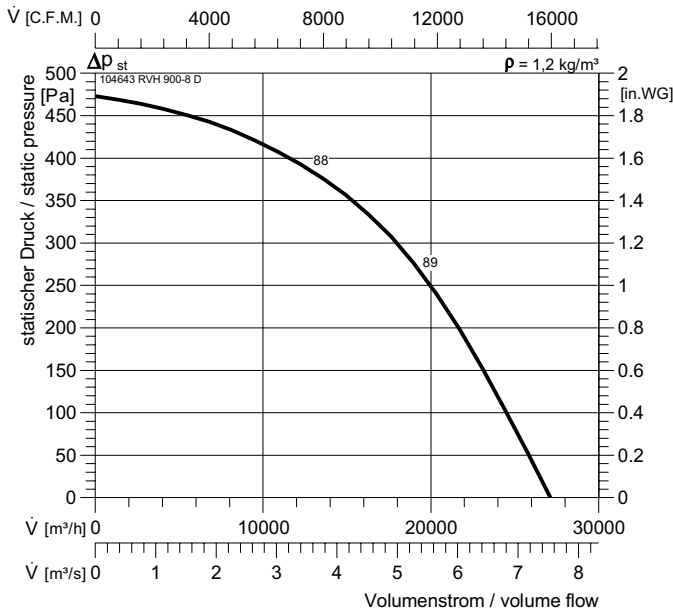
| Typ                           | ArtNr                               | ■      | L <sub>WA rel</sub><br>ΔdB | L <sub>WA5</sub> | L <sub>WA8</sub> |
|-------------------------------|-------------------------------------|--------|----------------------------|------------------|------------------|
| <b>RVH 900-6/12 D</b>         | 104642                              | 275 kg | L <sub>WA tot</sub> -3     | 0                |                  |
| U : 400 V 50 Hz               | Δ p <sub>fa min</sub> : 0           |        | 125 Hz -15                 | -13              |                  |
| P <sub>1</sub> : 1,5/7,5 kW   | Δ I : -                             |        | 250 Hz -14                 | -8               |                  |
| I <sub>N</sub> : 5,9/16,5 A   | I <sub>A</sub> / I <sub>N</sub> : - |        | 500 Hz -11                 | -7               |                  |
| n : 470/960 min <sup>-1</sup> | ▲                                   | IP 55  | 1 kHz -8                   | -5               |                  |
| C <sub>400V</sub> : - μF      | ★                                   | DU8-K  | 2 kHz -8                   | -7               |                  |
| t <sub>R</sub> : 50 °C        | □                                   | GS 2   | 4 kHz -15                  | -16              |                  |
|                               | ■                                   | -      | 8 kHz -24                  | -25              |                  |
|                               | ▽                                   | -      |                            |                  |                  |



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# RVH 900-8 D, 50°C



| Typ                              | ArtNr                  |        | $L_{WA\ rel}$<br>ΔdB | $L_{WA5}$ | $L_{WA8}$ |
|----------------------------------|------------------------|--------|----------------------|-----------|-----------|
| <b>RVH 900-8 D</b>               | 104643                 | 205 kg | $L_{WA\ tot}$        | -3        | 0         |
| <b>U :</b> 400 V 50 Hz           | $\Delta p_{fa\ min} :$ | 0      | <b>125 Hz</b>        | -15       | -13       |
| <b>P<sub>1</sub> :</b> 3 kW      | $\Delta I :$           | -      | <b>250 Hz</b>        | -14       | -8        |
| <b>I<sub>N</sub> :</b> 7,9 A     | $I_A / I_N :$          | -      | <b>500 Hz</b>        | -11       | -7        |
| <b>n :</b> 700 min <sup>-1</sup> |                        | IP 55  | <b>1 kHz</b>         | -8        | -5        |
| <b>C<sub>400V</sub> :</b> - μF   |                        | DD1-K  | <b>2 kHz</b>         | -8        | -7        |
| <b>t<sub>R</sub> :</b> 50 °C     |                        | GS 2   | <b>4 kHz</b>         | -15       | -16       |
|                                  |                        | -      | <b>8 kHz</b>         | -24       | -25       |
|                                  |                        | -      |                      |           |           |

4.1

