

# RFM 31-3545

## Technical Data in Class 2 acc. to DIN 24166

|                            | Curves  | Poles | Voltage/<br>Connection | Fre-<br>quency | Speed    | Nominal<br>power | Nominal<br>current | Starting/Full<br>load current | Motor<br>size | $V_{max}$ | $L_{WA8}$<br>at $V_{max}$ | Weight | Media<br>temp. |
|----------------------------|---------|-------|------------------------|----------------|----------|------------------|--------------------|-------------------------------|---------------|-----------|---------------------------|--------|----------------|
| RFM 31-                    |         |       | V (3~)                 | Hz             | 1/min    | kW               | A                  |                               |               | m³/h      | dB (10)                   | kg     | °C             |
| 3545-4W-11 <sup>(11)</sup> | [E1]    | 4     | 230/400 Δ/Y            | 50             | 1440     | 0.75             | 3.00/1.74          | 4.2                           | 80 Mb         | 6860      | 85                        | 43     | -20...+60      |
| 3545-4A-13•                | [E7]    | 4     | 230/400 Δ/Y            | 50             | 1380     | 0.75             | 4.00/2.30          | 4.6                           | 90 S          | 6820      | 85                        | 43     | -20...+60      |
| 3545-6D-08                 | [E4]    | 6     | 230/400 Δ/Y            | 50             | 829      | 0.25             | 1.37/0.79          | 2.7                           | 71 Mb         | 4400      | 73                        | 43     | -20...+60      |
| 3545-6A-08•                | [E8]    | 6     | 230/400 Δ/Y            | 50             | 860      | 0.25             | 1.37/0.79          | 2.7                           | 71 Mb         | 4400      | 73                        | 43     | -20...+60      |
| 3545-ID-13                 | [E1 E2] | 4/6   | 400 Y/Y                | 50             | 1430/950 | 0.80/0.29        | 2.10/1.07          | 4.3/3.4                       | 90 S          | 7000/4680 | 85/75                     | 43     | -20...+60      |
| 3545-GD-13                 | [E1 E3] | 4/8   | 400 Y/Y                | 50             | 1370/695 | 1.00/0.22        | 2.40/1.25          | 3.7/2.4                       | 90 S          | 6890/3530 | 85/68                     | 43     | -20...+60      |
| 3545-HD-10 <sup>(12)</sup> | [E5 E6] | 6/12  | 400 Y/Y                | 50             | 935/425  | 0.30/0.075       | 1.00/0.44          | 3.5/1.9                       | 80 a          | 4640/2320 | 75/58                     | 43     | -20...+60      |

• (also) stepless speed controllable by tension variation.

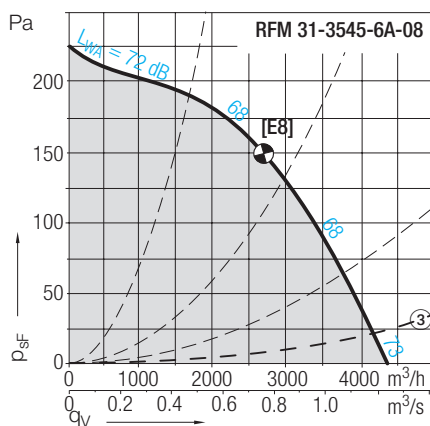
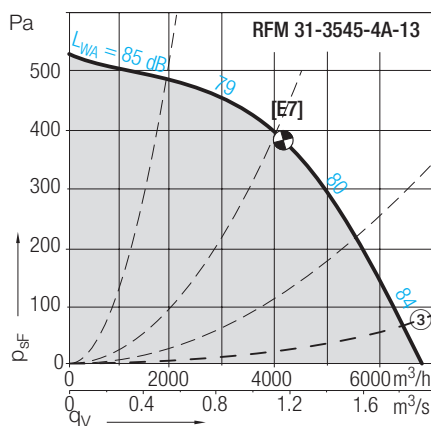
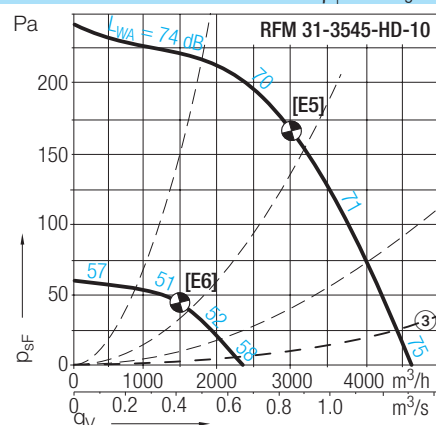
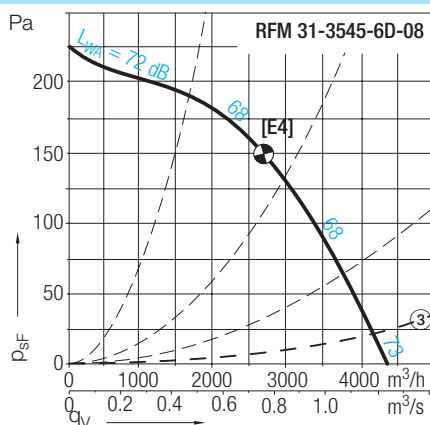
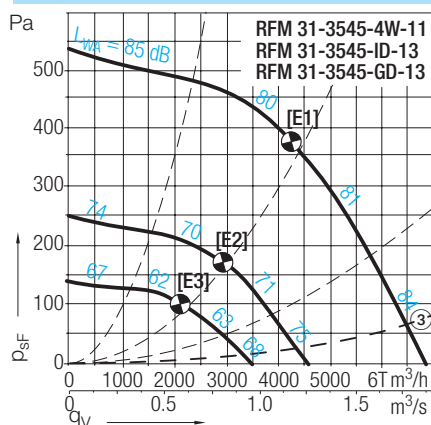
<sup>(11)</sup> Motor according to efficiency class IE2.

<sup>(12)</sup> Motors are not equipped with PTC thermistors.

<sup>(10)</sup> All indicated sound values are sound power levels. For more calculations when determining the A-sound pressure level at any distances read the statements on part „Sounds“ in chapter „Description“.

## Curves in Class 2 acc. to DIN 24166

$\rho_1 = 1.15 \text{ kg/m}^3$



## Accessories

|                            | Isolator   | Motor<br>protection unit | Motor<br>protection unit | Transformer<br>7 taps | Transformer<br>5-steps | Speed controller<br>electronic | Frequency Inverter<br>unit |
|----------------------------|------------|--------------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------------|
| RFM 31-                    | ESH        | EUM                      | ESM                      | ETO                   | ETH                    | EPA                            | <sup>(7)</sup>             |
| 3545-4W-11 <sup>(11)</sup> | 21-0030-32 | 33-0024-8D               | 11-0040-8D               | —                     | —                      | —                              | G110 1AC 230V 0.75KW EMV B |
| 3545-4A-13•                | 21-0030-35 | —                        | 01-0040-8D               | 10-0040-8D            | 36-0040-8D             | 83-0050-8D                     | —                          |
| 3545-6D-08                 | 21-0030-32 | 33-0010-8D               | 11-0040-8D               | —                     | —                      | —                              | G110 1AC 230V 0.25KW EMV B |
| 3545-6A-08•                | 21-0030-32 | —                        | 11-0040-8D               | 10-0010-8D            | 37-0010-8D             | 83-0050-8D                     | —                          |
| 3545-ID-13                 | 21-0030-62 | —                        | 12-0040-8D               | —                     | —                      | —                              | —                          |
| 3545-GD-13                 | 21-0030-62 | —                        | 13-0040-8D               | —                     | —                      | —                              | —                          |
| 3545-HD-10 <sup>(12)</sup> | 21-0030-62 | —                        | —                        | —                     | —                      | —                              | —                          |



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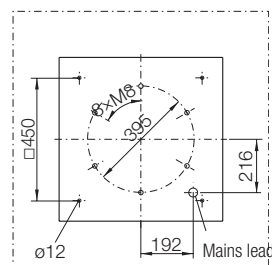
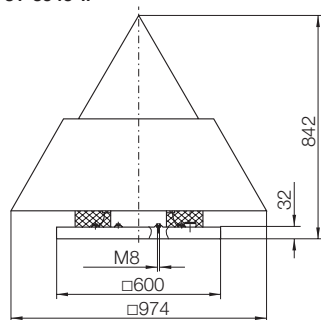
Ventilatorry.ru | zakaz@ventilatorry.ru | 8 (495) 133-95-09

# RFM 31-3545

Dimensions in mm, Subject to change.



RFM 31-3545-..



## Accessories

### RFM 31-

IEC standard motor.

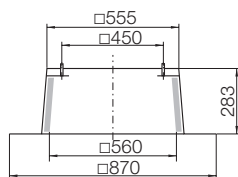
### Accessories / Index

- ① When using back draught damper ZLK in connection with silencer upstand ZDS a spacer ZKK is required
- ② inclination in 5° steps up to 45° possible
- ③ Pressure loss at back draught damper
- ⑦ Operator is responsible about EMV. Caution when combining with isolator. FU for 4 kHz clock frequencies and ambient media temperature max. +40 °C. Operating frequency up to max. 50 Hz

ZBS 01-0056 [Al] 5 kg

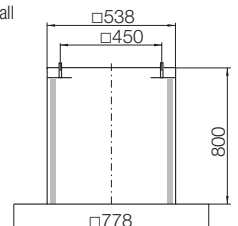
ZBS 20-0056 [St] 10 kg

Flat roof upstand



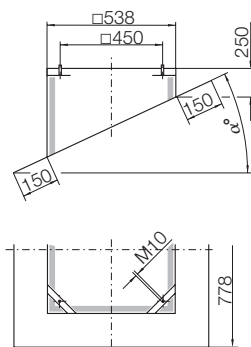
ZBS 23-0056 [St] 14 kg

Flat roof upstand tall



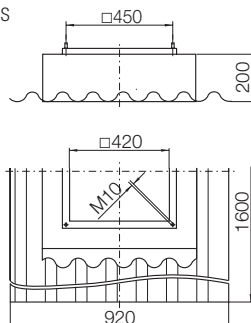
ZBS 09-0056-② [Al] 6 kg

Inclined roof upstand



ZBS 11-0056 [GFK] 12 kg

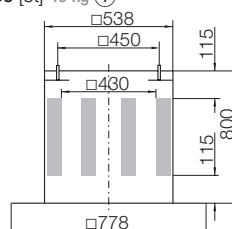
Soaker sheet WDS



ZDS 01-0056 [Al] 29 kg ①

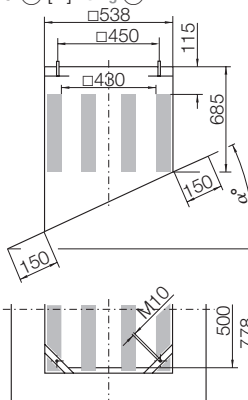
ZDS 20-0056 [St] 40 kg ①

Upstand silencer



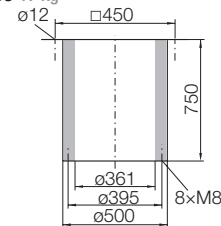
ZDS 09-0056-② [Al] 29 kg ①

Inclined roof upstand silencer



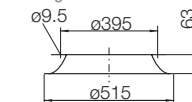
ZDR 30-0355 17 kg

Inlet silencer



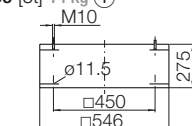
ZKD 01-0355 3.5 kg

Flanged inlet cone



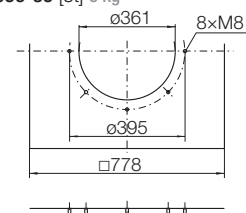
ZKK 20-0056 [St] 14 kg ①

Spacer



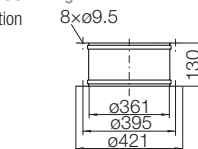
ZBU 01-0056-35 [St] 6 kg

Connection plate



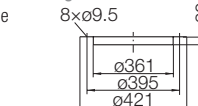
ZKE 11-0355 2.1 kg

Inlet connection (flexible)



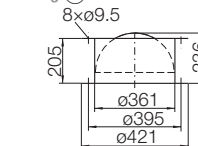
ZKF 11-0355 0.9 kg

Mating flange



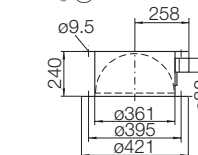
ZLK 01-0355 7 kg ①

Automatic shutter



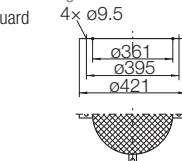
ZLK 21-0355 11 kg ①

Motor drive shutter



ZSG 04-0355 0.6 kg

Mesh inlet guard



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