

RFM 31-4550

Technical Data in Class 2 acc. to DIN 24166

Technical Data	Curves	Poles	Voltage/ Connection	Fre- quency	Speed	Nominal power	Nominal current	Starting/Full load current	Motor size	V _{max}	L _{WA8} at V _{max}	Weight	Media temp.
RFM 31-			V (3~)	Hz	1/min	kW	A			m³/h	dB (10)	kg	°C
4550-4W-14 ⁽¹¹⁾	[F1]	4	230/400 Δ/Y	50	1435	1.5	5.70/3.3	5.3	90 L	10000	89	65	-20...+60
4550-4A-16•	[F9]	4	230/400 Δ/Y	50	1380	1.5	8.00/4.6	4.6	100 L	9820	88	65	-20...+60
4550-6D-10	[F5]	6	230/400 Δ/Y	50	919	0.37	2.10/1.2	3.1	80 Ma	6480	78	65	-20...+60
4550-6A-10•	[F10]	6	230/400 Δ/Y	50	920	0.37	2.10/1.2	3.1	80 Ma	6480	78	65	-20...+60
4550-ID-16	[F1 F2]	4/6	400 Y/Y	50	1410/950	1.70/0.6	3.80/1.75	5.2/4.2	100 La	10020/6730	89/79	65	-20...+60
4550-KD-13 ⁽¹²⁾	[F6 F7]	6/8	400 Y/Y	50	950/710	0.48/0.24	1.60/1.05	3.3/2.4	90 S	6700/5030	78/71	65	-20...+60
4550-GD-14	[F3 F4]	4/8	400 Y/Y	50	1375/700	1.50/0.33	3.30/1.8	4.2/2.6	90 L	9800/5050	88/71	65	-20...+60
4550-HD-14 ⁽¹²⁾	[F6 F8]	6/12	400 Y/Y	50	965/460	0.55/0.12	2.00/0.88	4.1/1.8	90 L	6770/3370	79/61	65	-20...+60

• (also) stepless speed controllable by tension variation

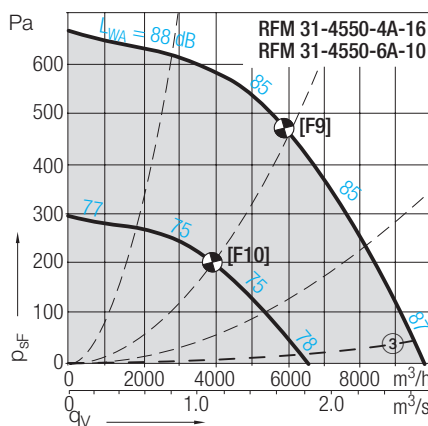
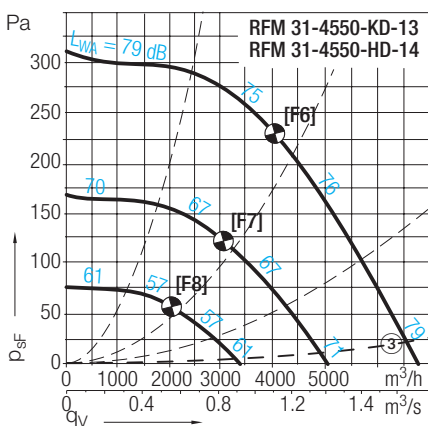
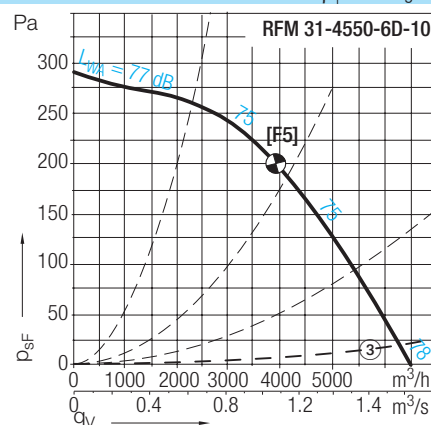
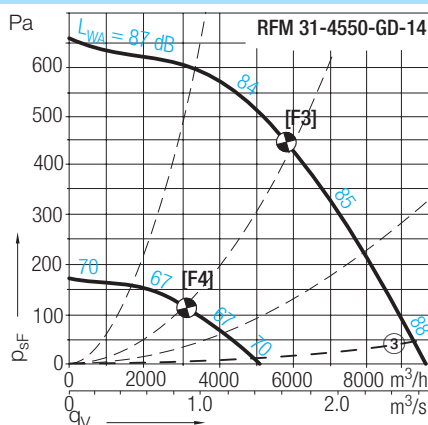
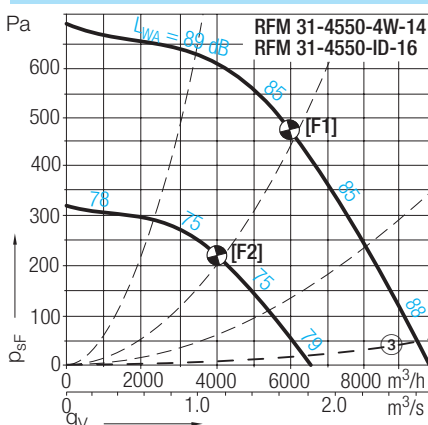
⁽¹¹⁾ Motor according to efficiency class IE2.

⁽¹²⁾ Motors are not equipped with PTC thermistors.

⁽¹⁰⁾ 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 protection unit	Motor protection unit	Transformer 7 taps	Transformer 5-steps	Speed controller electronic	Frequency Inverter unit
RFM 31-	ESH	EUM	ESM	ETO	ETH	EPA	⁽⁷⁾
4550-4W-14 ⁽¹¹⁾	21-0030-32	33-0040-8D	11-0040-8D	—	—	—	G110 1AC 230V 1.50KW EMV B
4550-4A-16•	21-0030-35	—	01-0040-8D	10-0065-8D	36-0070-8D	83-0050-8D	—
4550-6D-10	21-0030-32	33-0016-8D	11-0040-8D	—	—	—	G110 1AC 230V 0.37KW EMV B
4550-6A-10•	21-0030-32	—	11-0040-8D	10-0020-8D	37-0020-8D	83-0050-8D	—
4550-ID-16	21-0030-62	—	12-0040-8D	—	—	—	—
4550-KD-13 ⁽¹²⁾	21-0030-62	—	—	—	—	—	—
4550-GD-14	21-0030-62	—	13-0040-8D	—	—	—	—
4550-HD-14 ⁽¹²⁾	21-0030-62	—	—	—	—	—	—



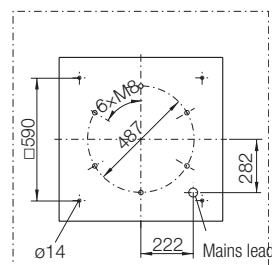
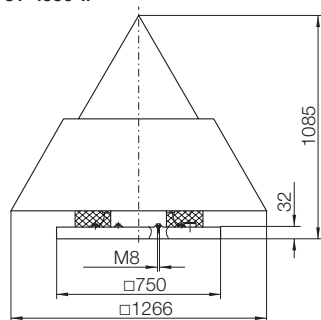
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RFM 31-4550

Dimensions in mm, Subject to change.

RFM 31-4550-..



Accessories

RFM 31-

IEC standard motor.

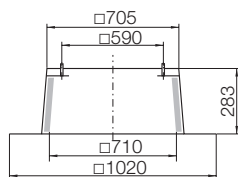
Accessories / Index

- 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 01-0071 [Al] 8 kg

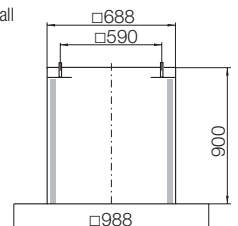
ZBS 20-0071 [St] 16 kg

Flat roof upstand



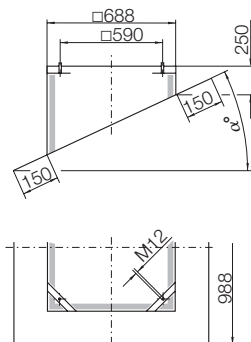
ZBS 23-0071 [St] 20 kg

Flat roof upstand tall



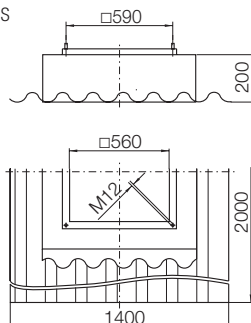
ZBS 09-0071-② [Al] 9 kg

Inclined roof upstand



ZBS 11-0071 [GFK] 29 kg

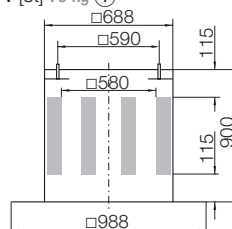
Soaker sheet WDS



ZDS 01-0071 [Al] 57 kg ①

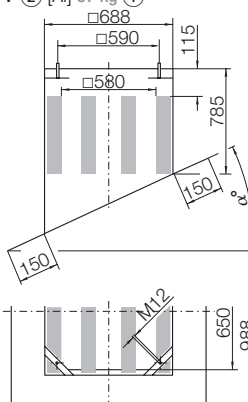
ZDS 20-0071 [St] 79 kg ①

Upstand silencer



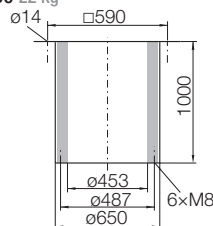
ZDS 09-0071-② [Al] 57 kg ①

Inclined roof upstand silencer



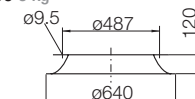
ZDR 30-0450 22 kg

Inlet silencer



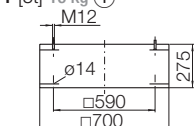
ZKD 01-0450 5 kg

Flanged inlet cone



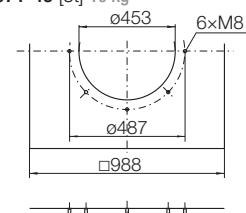
ZKK 20-0071 [St] 16 kg ①

Spacer



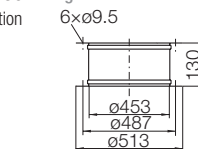
ZBU 01-0071-45 [St] 10 kg

Connection plate



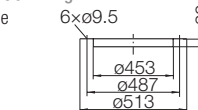
ZKE 11-0450 2.7 kg

Inlet connection (flexible)



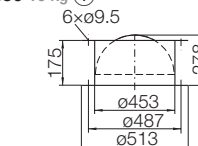
ZKF 11-0450 1.2 kg

Mating flange



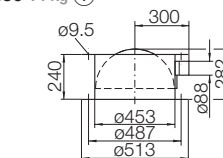
ZLK 01-0450 10 kg ①

Automatic shutter



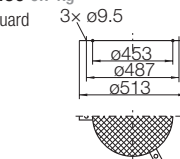
ZLK 21-0450 14 kg ①

Motor drive shutter



ZSG 04-0450 0.7 kg

Mesh inlet guard



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