

BKF

Smoke extract duct fan

Features

BKF smoke and heat extract fans are used in case of fire to extract smoke gases and also during normal working conditions for standard ventilation

Casing

The casing is manufactured from pre-galvanized steel

Motor

Single speed IE2 motors resp. Two speed motors.

Impeller geometry

Backward curved impeller made from pre-galvanized steel or from steel and galvanized.

Output control

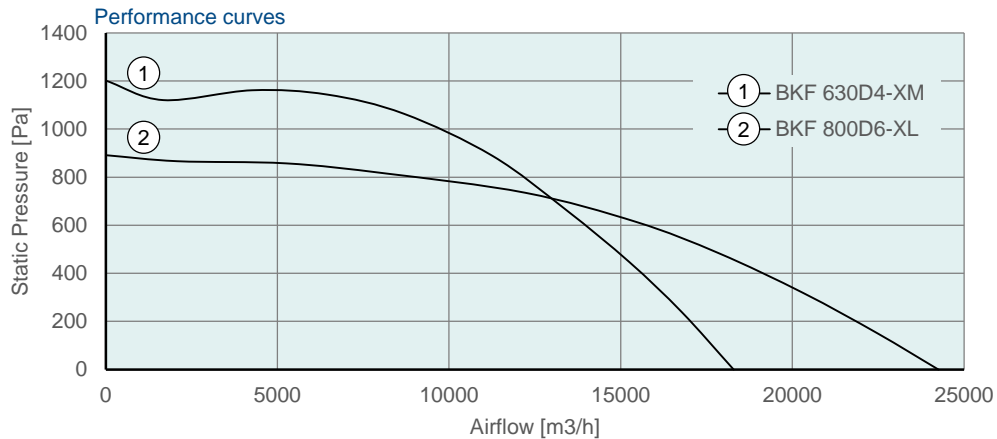
Speed control of single speed motors use a combination of frequency converter and appropriate filter to motor side (sine or du/dt), respectively observe instructions.

Motor protection

Motor outside the air stream.



- Certified according EN 12101-3 by BSI, UK.
- Dual purpose: smoke exhaust and continuous standard ventilation.
- 400°C/120min (F400), continuous operation up to 120°C.
- Single speed IE2 motors resp. Two speed motors
- Motor outside the air stream.



Technical data

	BKF	BKF 630D4-XM	BKF 800D6-XL
Voltage	V	400	400
Frequency	Hz	50	50
Phase	-	3	3
Maximum Fan Input Power (P1)	kW	4.156	4.338
Current	A	8.4	11.0
Max. airflow	m3/h	18,291	24,256
Fan impeller speed	r.p.m.	1445	965
Sound pressure level at 3m	dB(A)	69	68.8
Weight	kg	141	215

- Performance certified is for installation type D – Ducted inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Sound pressure level at 3m (20m3 Sabine) are not licensed by AMCA International.

Sound data

Model	63	125	250	500	1k	2k	4k	8k
BKF 630D4-XM	104	96	97	90	88	87	89	82
BKF 800D6-XL	104	96	96	90	91	88	83	78

Following is the inlet Lwi sound power levels (dB) in eight octave bands at maximum airflow (0Pa)

- The sound power level ratings shown are in decibels, referred to 10 – 12 watts, calculated per AMCA International Standard 301. Values shown are for inlet Lwi sound power levels for installation type D : ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Accessories



PG-BKF
Protection grille



WPR-BKF
Weather Protection for motor

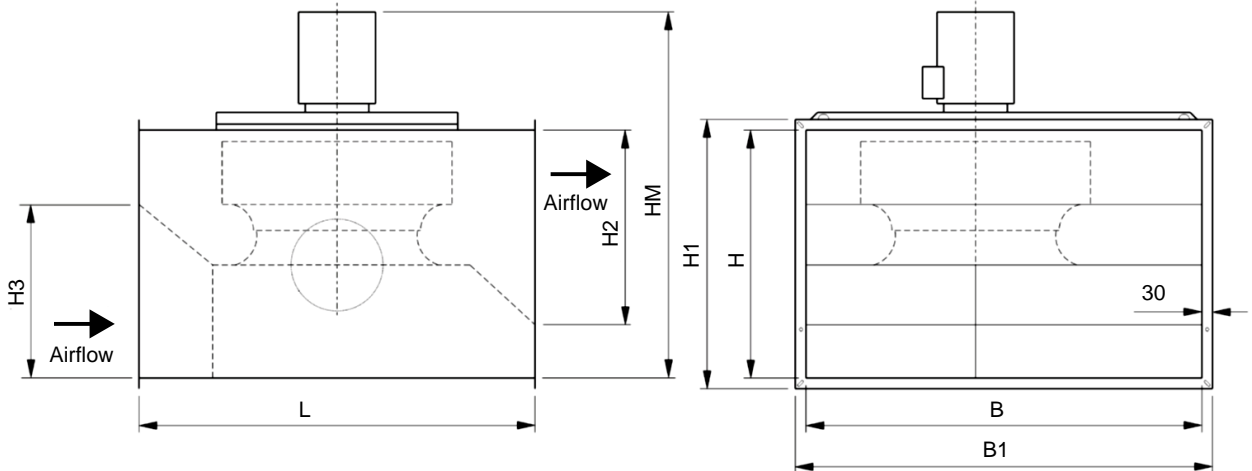


FLC-BKF
Inlet/Outlet flexible connection



DN-BKF
Drain outlet

Dimensions



Model	B	H	L	B1	H1	H2	H3	In metric
								HM
BKF 630D4-XM	1120	700	1120	1180	760	570	570	1055
BKF 800D6-XL	1250	800	1250	1310	860	655	655	1277



Systemair Sdn Bhd certifies that the BKF shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.