



BKEF-R

KITCHEN EXHAUST FANS / Backward Curved

Fan Components and Material Properties

The double-walled body with heat and sound insulation is manufactured from galvanized sheet metal. The fan of the Bkef-R 400 is made of high quality galvanized steel which is resistant to corrosion. The fans of the Bkef-r 450-500-560 models are made of aluminum sheet. All models use an asynchronous motor and the motor is out of airflow. The device is capable of carrying air at max.120°C.

Fan Structure

The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

*Filtered applications are optional. Please contact BVN representatives.

Benefits

Since the motor is out of airflow, it is resistant to high temperature. The opening cover allows for effortless maintenance of the product. Right-left-top can be changed in three different ways. Water drainage feature. They work quietly thanks to isolation. Speed can be adjusted with speed control devices.

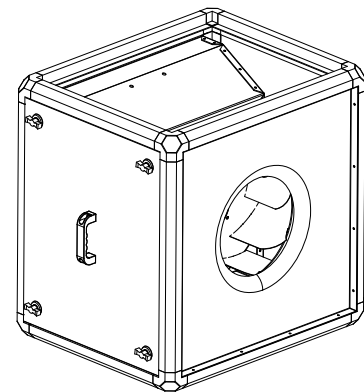
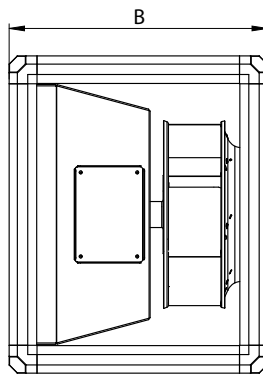
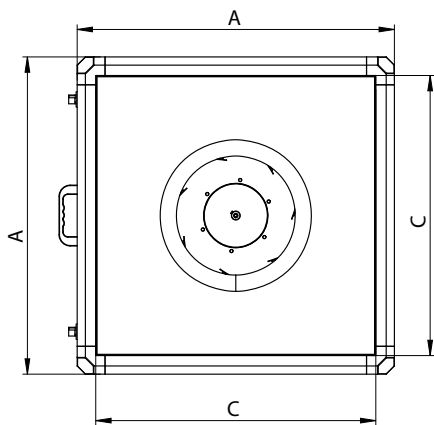
Speed Control

Optional control devices can be provided. Speed control can be done with frequency inverter in 3 ~ phase products. (see BSC-F accessory)

Usage Areas

They are used for smoke evacuation with grease trap filter in dense oily environments such as restaurant kitchens. It is able to carry air at higher temperatures due to the motor being out of airflow.

Technical Drawing and Tables

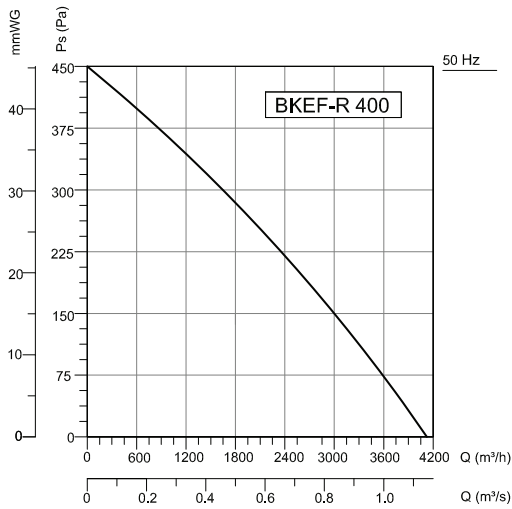


TYPE	A	B	C
BKEF-R 400	683	556	603
BKEF-R 450	683	572	603
BKEF-R 500	683	623	603
BKEF-R 560	813	690	733

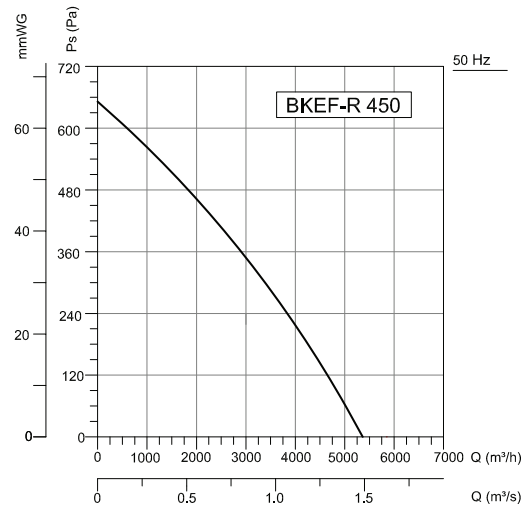
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(µF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BKEF-R 400M	230	50	0,37	3,4	15	1390	4100	45	F	55	52
BKEF-R 450M	230	50	0,55	4,5	20	1365	5400	48	F	55	65
BKEF-R 500M	230	50	1,1	7,5	35	1410	8200	52	F	55	77
BKEF-R 560M	230	50	2,2	14,2	50	1420	10800	55	F	55	95
BKEF-R 400T	380	50	0,37	1,2	-	1390	4100	45	F	55	52
BKEF-R 450T	380	50	0,55	1,6	-	1365	5400	48	F	55	65
BKEF-R 500T	380	50	1,1	2,6	-	1410	8200	52	F	55	77
BKEF-R 560T	380	50	2,2	4,9	-	1420	10800	55	F	55	95

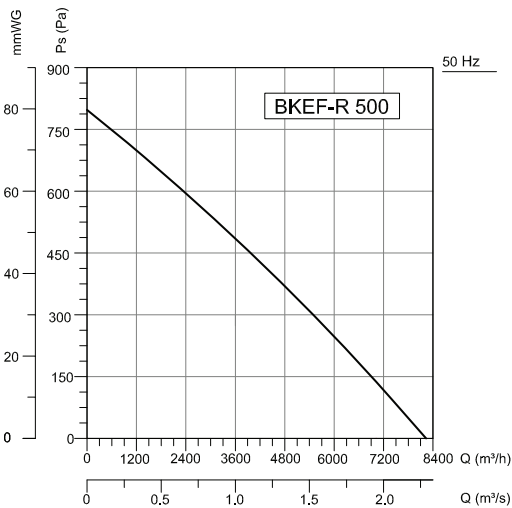
Sound Level Measured from 3m distance in room condition.



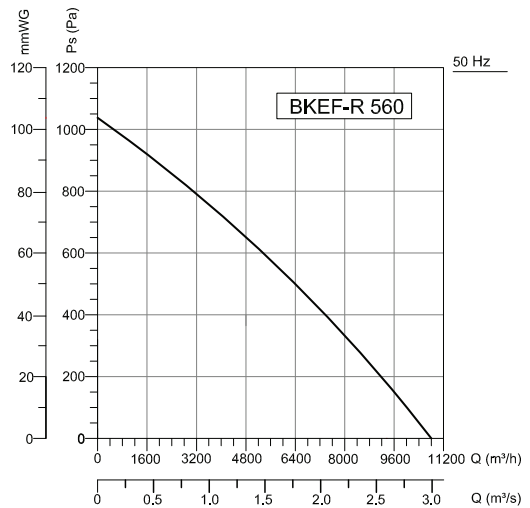
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	68	55	57	61	63	62	59	54	47	dB(A)
L _{WA} Outlet	70	57	59	63	65	64	61	56	49	dB(A)
L _{WA} Surrounding	52	39	41	45	47	46	43	38	31	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	70	57	59	63	65	64	61	46	49	dB(A)
L _{WA} Outlet	72	59	61	65	67	66	63	58	51	dB(A)
L _{WA} Surrounding	55	42	44	48	50	49	46	41	34	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	74	61	63	67	69	68	65	60	53	dB(A)
L _{WA} Outlet	76	63	65	69	71	70	67	62	55	dB(A)
L _{WA} Surrounding	59	46	48	52	54	53	50	45	38	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	76	63	65	69	71	70	67	62	55	dB(A)
L _{WA} Outlet	77	67	66	70	71	71	68	63	56	dB(A)
L _{WA} Surrounding	62	50	52	55	57	56	49	53	42	dB(A)

Accessories



BSC-F



BDEB



BDH



BDKS



BFG2



BFG3



BFG4



BFH13



BCTH