



BSKF-R

RECTANGULAR DUCT FANS / Forward Curved

Fan Components and Material Properties

The rectangular body and the impellers of the fans are made of high quality galvanized steel which is resistant to corrosion. The BSKF-R is equipped with an asynchronous motor outside the air flow. The device is capable of carrying air at max.120°C.

Fan Structure

The fan blades are produced in an aerodynamic structure to provide forward flow and forward flow. It is designed to work between the rectangular channel.

Benefits

Since the motor is out of airflow, it is resistant to high temperature. The swing-out lid allows the product to be maintained effortlessly without removing

the fan. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

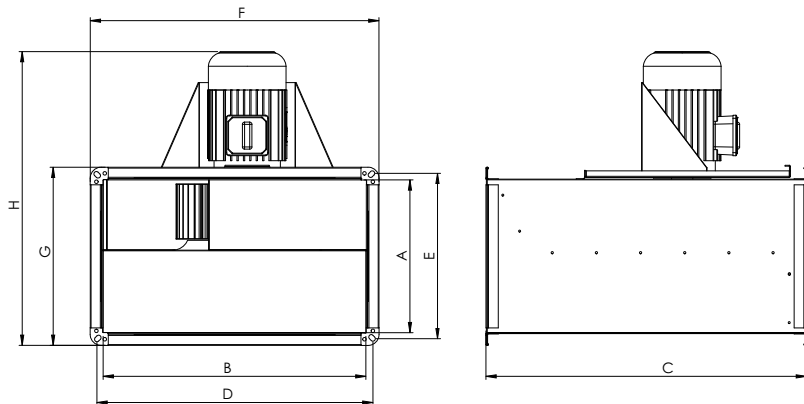
Speed Control

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

Usage Areas

It is designed to meet medium and high volume ventilation requirements in rectangular duct systems where the application area is limited. It is able to carry air at higher temperatures due to the motor being out of airflow. It is recommended to use bar-bar with filter in dirty environments.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	H
BSKF-R 200	200	400	500	420	220	450	250	469
BSKF-R 225	250	500	560	520	270	550	300	519
BSKF-R 250	300	500	560	520	320	550	350	589
BSKF-R 280	300	600	710	620	320	650	350	589
BSKF-R 315	350	600	710	620	370	650	400	684
BSKF-R 355	400	700	780	720	420	750	450	766
BSKF-R 400	500	800	880	820	520	850	550	866
BSKF-R 450	500	1000	980	1020	520	1050	550	886

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
BSKF-R 200-4 M	230	50	0,25	2,1	10	1390	1000	53	F	55	22
BSKF-R 225-4 M	230	50	0,37	3,4	15	1400	1673	55	F	55	35
BSKF-R 250-4 M	230	50	0,55	4,5	20	1365	1740	55	F	55	40
BSKF-R 280-4 M	230	50	0,75	4,6	30	1405	2942	60	F	55	43
BSKF-R 315-4 M	230	50	1,5	9,3	50	1410	4050	62	F	55	55
BSKF-R 355-4 M	230	50	2,2	14,2	50	1430	8000	64	F	55	85
BSKF-R 200-4 T	380	50	0,25	0,87	-	1380	1000	53	F	55	22
BSKF-R 225-4 T	380	50	0,37	1,2	-	1390	1673	55	F	55	35
BSKF-R 250-4 T	380	50	0,55	1,6	-	1365	1740	55	F	55	40
BSKF-R 280-4 T	380	50	0,75	2,1	-	1405	2942	60	F	55	43
BSKF-R 315-4 T	380	50	1,5	3,5	-	1410	4050	62	F	55	55
BSKF-R 355-4 T	380	50	2,2	4,9	-	1420	8000	64	F	55	85
BSKF-R 355-6 T	380	50	1,1	2,9	-	930	5200	53	F	55	85
BSKF-R 400-6 T	380	50	1,5	3,6	-	945	6000	55	F	55	92
BSKF-R 450-6 T	380	50	2,2	5,4	-	950	7500	58	F	55	120

Sound Level Measured from 3m distance in room condition.



BDKF-R EX PROOF

RECTANGULAR DUCT FANS / Backward Curved

Fan Components and Material Properties

Rectangular body is manufactured from galvanized steel sheet. The fans of the Bdkf-r 315-355-400 are made of high quality galvanized steel which is resistant to corrosion. The fans of the Bdkf-r 450-500-560 models are made of aluminum sheet. All models are equipped with Ex Proof asynchronous motor. Suction flange is made of copper material. The motor is out of airflow. The device is capable of carrying air at max.120°C.

Fan Structure

It is designed to work between the rectangular channel. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

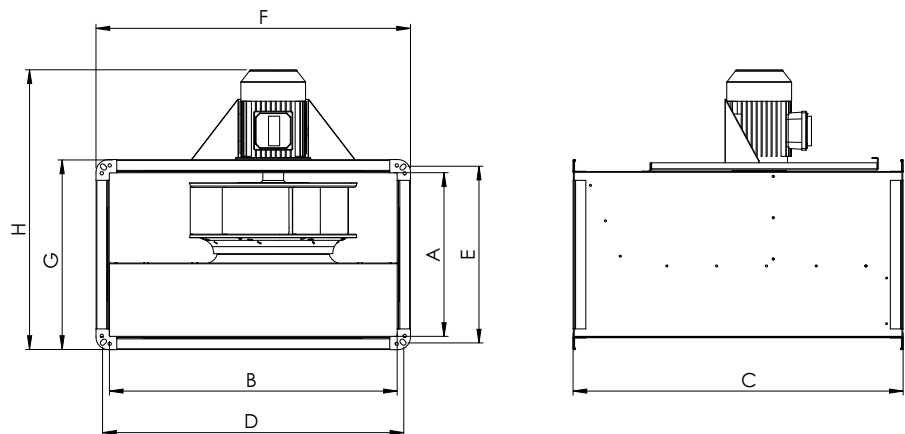
Benefits

Designed to be non-sparking. Since the motor is out of airflow, it is resistant to high temperature. The swing-out lid allows the product to be maintained effortlessly without removing the fan. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

Usage Areas

Ex-proof fans are one of the preferred fan types for the ventilation of high-risk environments. It is designed to be non-sparking. Usage areas are determined according to the degree of Atex directive.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	H
BDKF-R-EX 315 T	350	600	750	620	370	650	400	550
BDKF-R-EX 355 T	350	600	750	620	370	650	400	650
BDKF-R-EX 400 T	400	700	800	720	420	750	450	630
BDKF-R-EX 450 T	400	700	800	720	420	750	450	630
BDKF-R-EX 500 T	500	800	920	820	520	850	560	780
BDKF-R-EX 560 T	500	1000	1050	1030	530	1060	560	780

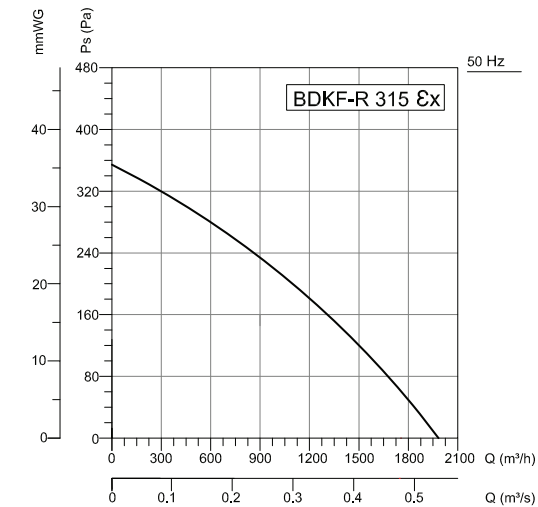
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	kW	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BDKF-R-EX 315 T	380	50	0,25	0,87	-	1380	2000	53	F	55	35
BDKF-R-EX 355 T	380	50	0,25	0,87	-	1380	3000	58	F	55	36
BDKF-R-EX 400 T	380	50	0,37	1,2	-	1390	4100	56	F	55	49
BDKF-R-EX 450 T	380	50	0,55	1,6	-	1395	5500	58	F	55	52
BDKF-R-EX 500 T	380	50	1,1	2,6	-	1410	8100	64	F	55	74
BDKF-R-EX 560 T	380	50	2,2	4,9	-	1420	10500	66	F	55	91

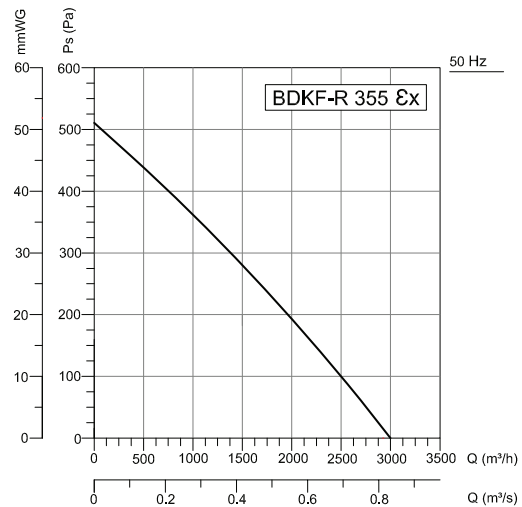
Sound Level Measured from 3m distance in room condition.

Accessories

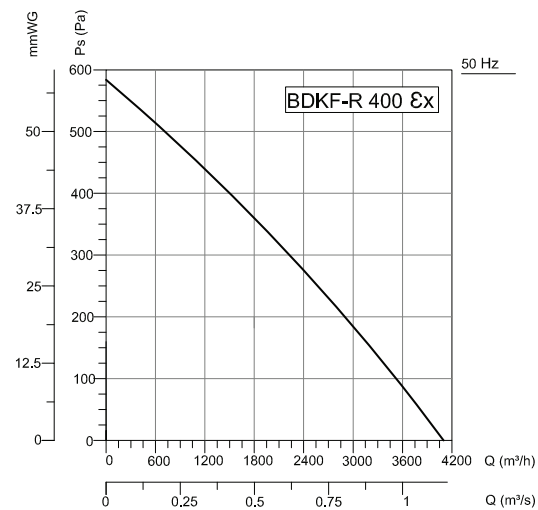




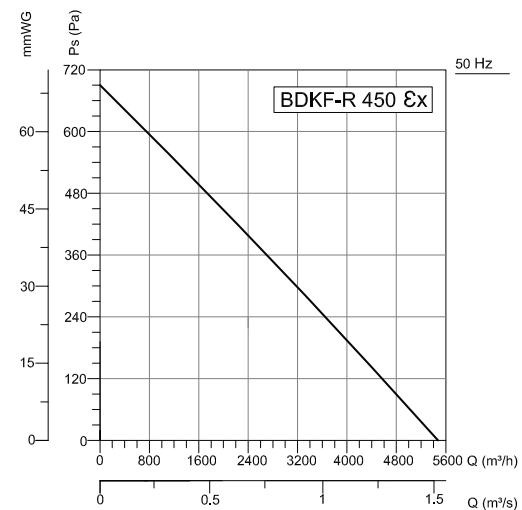
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{wA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{wA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)



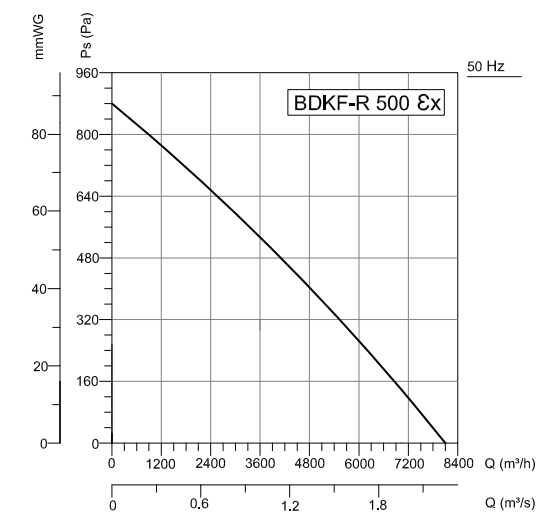
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	74	50	61	67	65	68	66	63	60	dB(A)
L_{wA} Outlet	78	51	61	69	71	71	73	67	70	dB(A)
L_{wA} Surrounding	65	33	40	59	57	59	58	50	47	dB(A)



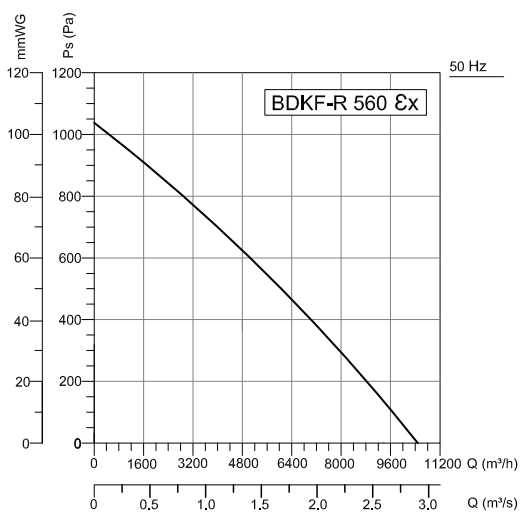
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	73	58	68	64	66	66	62	56	50	dB(A)
L_{wA} Outlet	77	62	68	70	71	71	69	61	55	dB(A)
L_{wA} Surrounding	63	40	60	57	52	51	46	38	35	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{wA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{wA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	79	61	72	71	73	71	71	66	58	dB(A)
L_{wA} Outlet	84	66	75	76	77	79	75	70	61	dB(A)
L_{wA} Surrounding	71	45	68	64	61	61	60	54	43	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	84	70	77	76	78	78	75	71	65	dB(A)
L_{wA} Outlet	89	71	80	81	82	83	80	74	65	dB(A)
L_{wA} Surrounding	73	58	70	65	63	61	58	54	50	dB(A)