



BDKF-EC

RECTANGULAR DUCT FANS / Backward Curved

Fan Components and Material Properties

Rectangular body is manufactured from galvanized steel sheet. The models of Bdkf 30-15 / 70-40A are made of high quality galvanized steel which is resistant to corrosion. Bdkf 70-40B / 80-50 / 100-50 models are made of aluminum sheet. All models are equipped with EC motor with integrated speed control.

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

The swing-out lid allows the product to be maintained effortlessly without removing the fan. Thanks to the aerodynamic wing structure, they work quietly. With a more efficient motor, system efficiency is increased and lower operating costs are ensured.

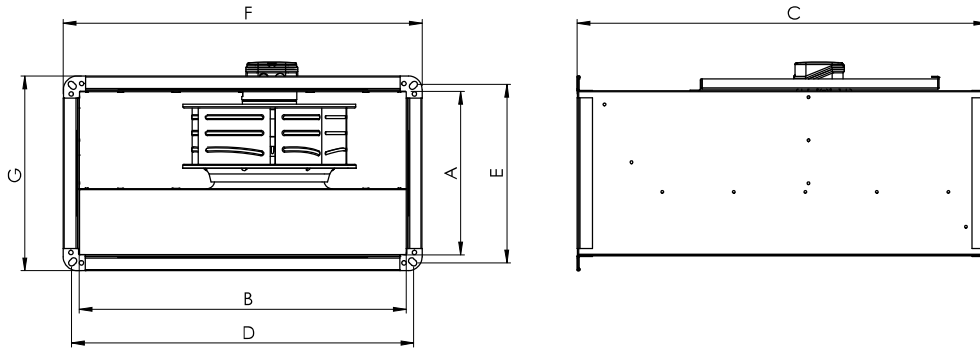
Speed Control

With EC motor integrated speed control, the desired speed can be achieved.

Usage Areas

It is designed to meet medium and high volume ventilation requirements in rectangular duct systems where the application area is limited.

Technical Drawing and Tables

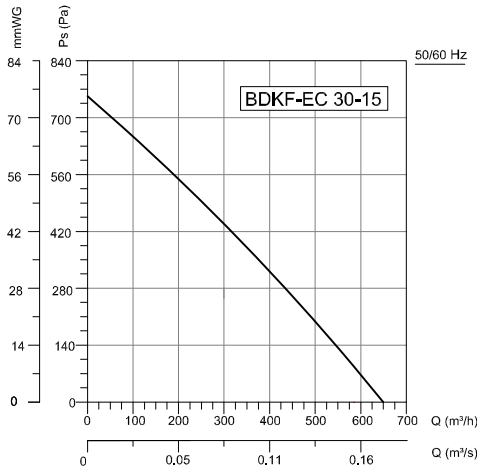


TYPE	A	B	C	D	E	F	G
BDKF-EC 30-15	150	300	400	320	170	350	200
BDKF-EC 40-20	200	400	500	420	220	450	250
BDKF-EC 50-25	250	500	565	520	270	550	300
BDKF-EC 60-30	300	600	750	620	320	650	350
BDKF-EC 60-35	350	600	750	620	370	650	400
BDKF-EC 70-40	400	700	800	720	420	750	450
BDKF-EC 80-50	500	800	920	820	520	850	560
BDKF-EC 100-50	500	1000	1050	1030	530	1060	560

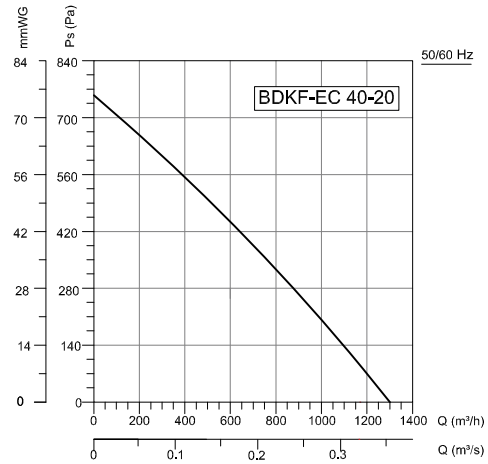
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	AIR FLOW	MAX. PRESSURE	SOUND PRESSURE
	V	Hz	W	(A)	r.p.m	m ³ /h	Pa	dB(A)
BDKF-EC 30-15	220	50/60	98	0,74	3200	650	750	43
BDKF-EC 40-20	220	50/60	150	0,98	2945	1300	750	48
BDKF-EC 50-25	220	50/60	140	1,1	2400	1600	750	58
BDKF-EC 60-30	220	50/60	355	1,56	2050	2150	550	50
BDKF-EC 60-35	220	50/60	400	2,2	1900	3550	850	53
BDKF-EC 70-40	380	50/60	1000	1,5	1500	6500	650	56
BDKF-EC 80-50	380	50/60	870	1,46	1100	7000	450	64
BDKF-EC 100-50	380	50/60	770	1,3	850	8500	320	66

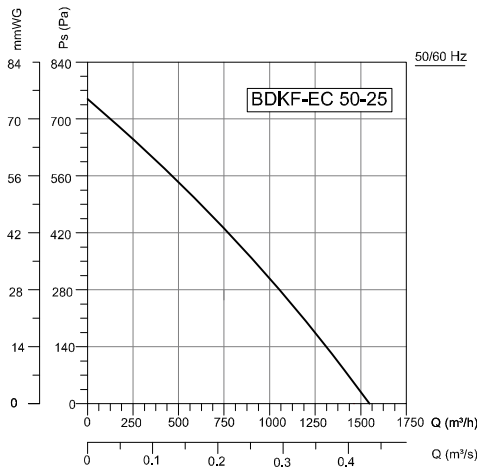
Sound Level Measured from 3m distance in room condition.



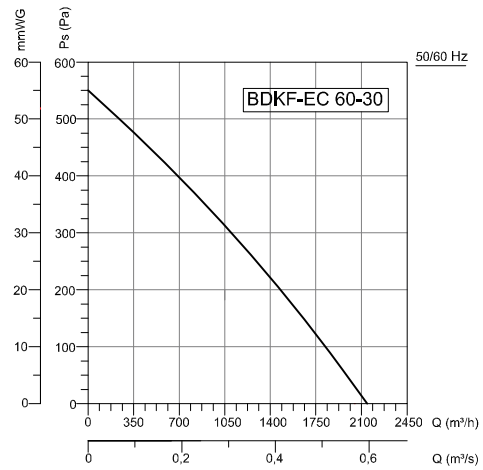
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	66	44	56	64	56	55	53	47	38	dB(A)
L_{WA} Outlet	69	48	53	66	63	61	58	51	43	dB(A)
L_{WA} Surrounding	50	26	33	47	44	42	41	35	27	dB(A)



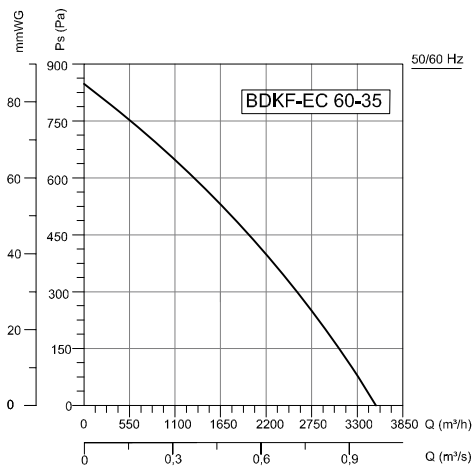
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	69	44	54	66	58	61	59	55	47	dB(A)
L_{WA} Outlet	72	44	53	67	64	63	66	61	58	dB(A)
L_{WA} Surrounding	55	20	34	53	45	44	44	38	35	dB(A)



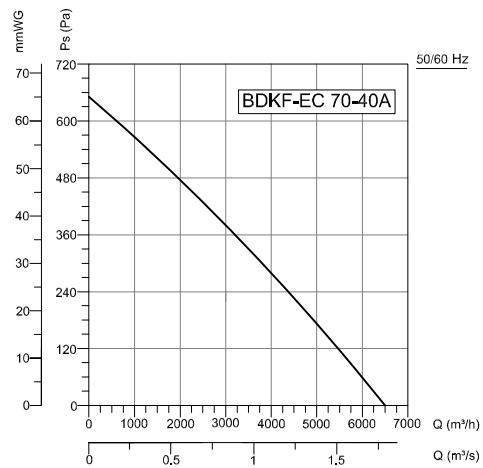
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	74	50	61	67	65	68	66	63	60	dB(A)
L_{WA} Outlet	78	51	61	69	71	71	73	67	70	dB(A)
L_{WA} Surrounding	65	33	40	59	57	59	58	50	47	dB(A)



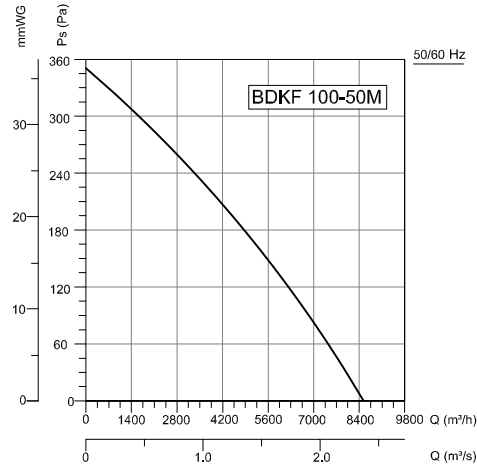
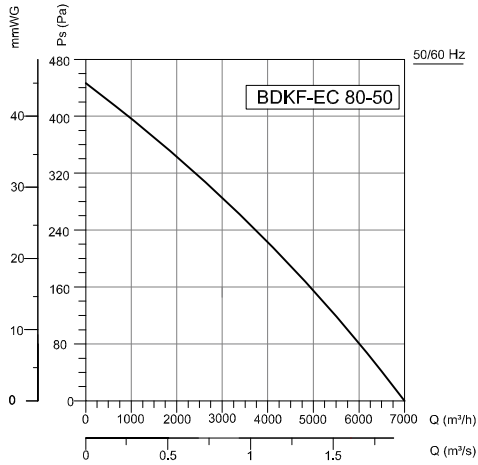
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	69	50	62	64	61	62	57	52	44	dB(A)
L_{WA} Outlet	72	49	60	65	68	65	63	58	46	dB(A)
L_{WA} Surrounding	57	35	47	54	52	47	44	39	32	dB(A)



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	75	60	70	68	69	66	66	62	52	dB(A)
L_{WA} Outlet	79	60	71	71	73	74	71	38	55	dB(A)
L_{WA} Surrounding	65	41	62	58	56	56	49	42	36	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	72	58	69	64	62	60	56	52	50	dB(A)

Accessories

