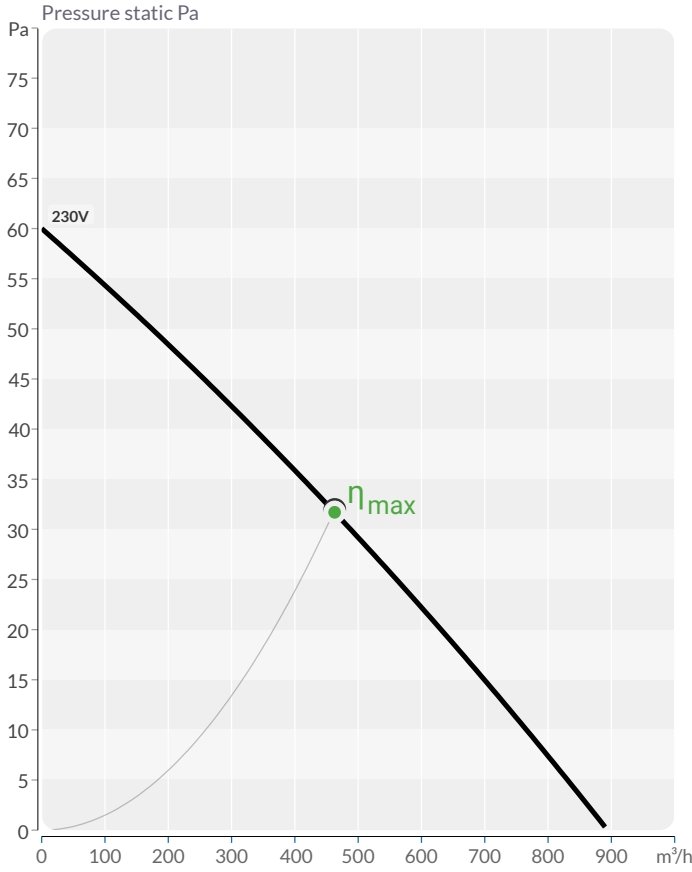

Design point

Flow	Q	463	m³/h
Pressure	Δp	32	Pa
Ambient temperature	t _{MED}	20	°C

Duty point

Flow	Q	462	463	m³/h
Static pressure	Δp _{ST}	32	32	Pa
Dynamic pressure	Δp _D	4	4	Pa
Total pressure	Δp _{TOT}	36	36	Pa
Absorbed power	P _{ABS}	44	44	W
Current	I _{ABS}	0.2	0.2	A
Instantaneous Rotational Speed	n	1100	1101	rpm
Speed	v	2.61	2.62	m/s
Static efficiency	η _{ST}	9.2	9.2	%
Total efficiency	η _{TOT}	10.4	10.4	%
SFP	SFP	344	344	W/m³/s
Fan Energy Index	FEI	-	-	
Regulation		-	-	V

Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L _{WA5}	-	-	-	-	-	-	-	-	-
Outlet - L _{WA6}	-	-	-	-	-	-	-	-	-
Edited - L _{WA2}	35	49	56	61	62	61	56	48	67
Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L _{PA5}	-	-	-	-	-	-	-	-	-
Outlet - L _{PA6}	-	-	-	-	-	-	-	-	-
Edited - L _{PA2}	21	35	42	47	48	47	42	34	53

The sound pressure level was determined for the conditions
distance from the fan 3m, slope factor Q: 2, sound wave disturbance, equivalent absorption area 200m² Sabine

Nominal parameters

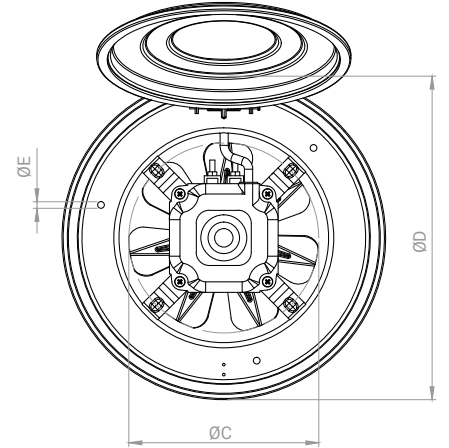
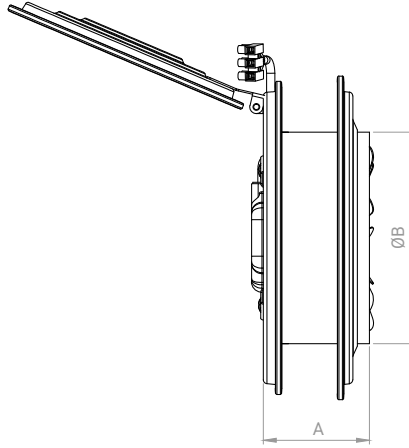
Maximum Airflow Volume	Q _{MAX}	890	m³/h
Maximum Static Pressure	Δp _{MAX}	60	Pa
Nominal power	P _{NOM}	48	W
Nominal Rotational Speed	n	1450	rpm
Nominal current	I _{NOM}	0.22	A
Nominal voltage	I _{NOM}	230	V
Number of phases	~	1	
Nominal frequency	f _{NOM}	50	Hz
Sound pressure level from the housing	L _{PA2}	46	dB(A)
Diameter	Ø	250	mm
Unit weight	m	3.1	kg
Minimum operating temperature	t _{OPmin}	-20	°C
Maximum operating temperature	t _{OPmax}	40	°C
Maximum medium temperature	t _{MEDmax}	40	°C
Maximum ambient temperature	t _{AMBmax}	40	°C
Capacitor voltage	U _{CAP}	400	V
Number of Motor Poles	pole	4	x
Motor type		AC	
Type of motor control		V	
Motor insulation class		H	
Motor protection class		IP54	


BK 250

Symbol: Number of pieces:1



Dimensions [mm]



Fan Components and Material Properties
 Body and fan are made of electrostatic powder coated sheet steel. The motor and fan impeller are connected to the main body by steel carriers. Easily mounted on windows and wall. Provides strong airflow thanks to ideal blade angles.

Benefits

Provides strong airflow thanks to ideal blade angles. Covered structure with unwanted air, dust, rain, etc. prevents entry. It has a compact design.

Speed Control

Optional control devices can be provided.

* Speed control can be done with linear voltage regulator (see BSC accessory).

Usage Areas

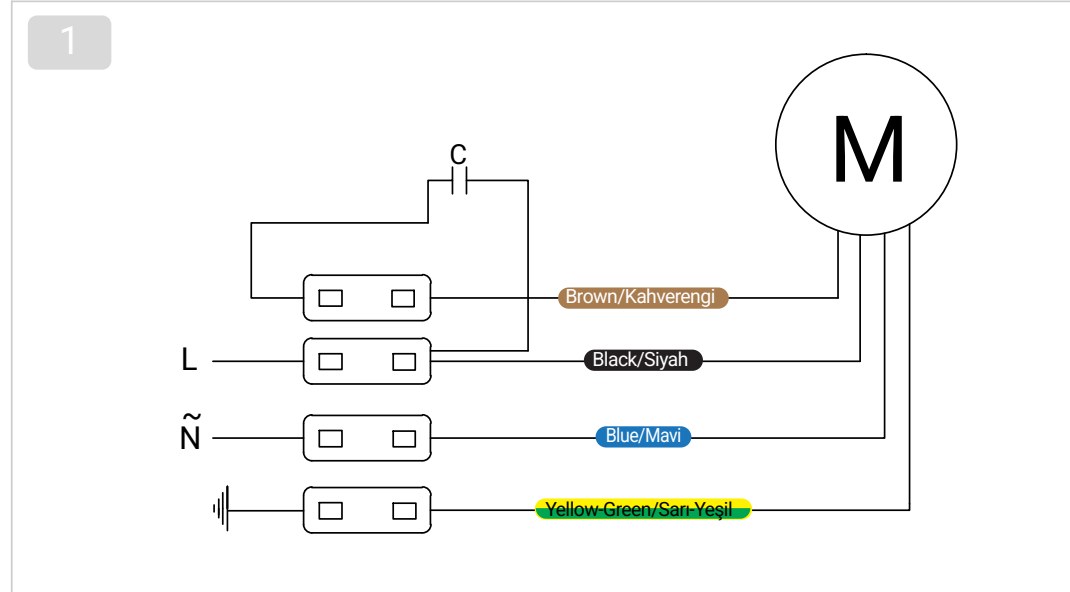
It is used in the kitchen, bathroom, office and workplaces where smelly, smoke-like air is required to be discharged.

Accessory list



BSC-1
 Speed control devices

Electric connection diagram



Support/Files

1. <https://www.bvnair.com/fansecim/data/f.php?path=cad%2FBK.zip>
2. https://www.bvnair.com/fansecim/data/f.php?path=dimension%2FBK_drawing.pdf
3. https://www.bvnair.com/fansecim/data/f.php?path=manual%2FBK-BK_manual.pdf
4. https://www.bvnair.com/fansecim/data/f.php?path=certificate%2FEAC_RU.pdf

