BSH-C

FILTERED DUCT FANS

Fan Components and Material Properties
Rectangular body is manufactured from galvanized steel sheet. The fans are made of high quality galvanized steel which is resistant to corrosion. All models have an external rotor motor with closed structure. The device is capable of handling air at max.40°C.

Fan Structure
The impeller consists of combining backward sloping and infrequently arranged fins.

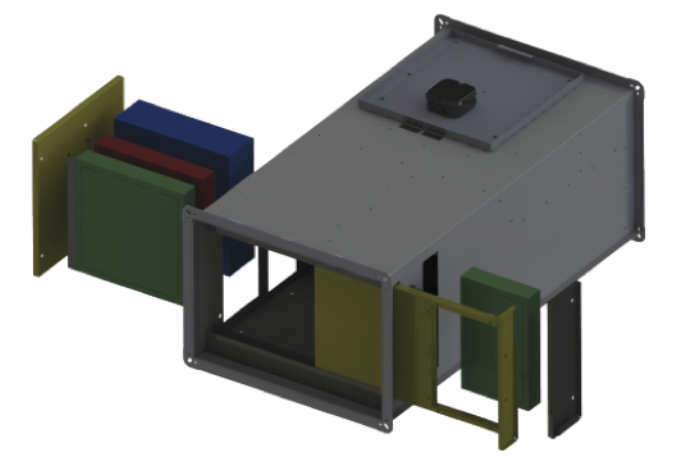
Benefits
It can be operated in the desired position. Thanks to the bypass cell, it can be used in two different positions.

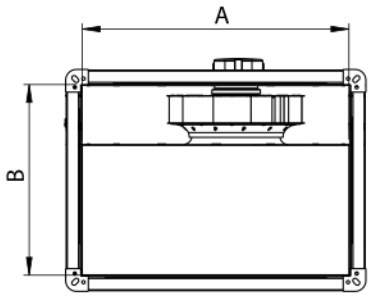
Bypass air damper is made by sliding system.

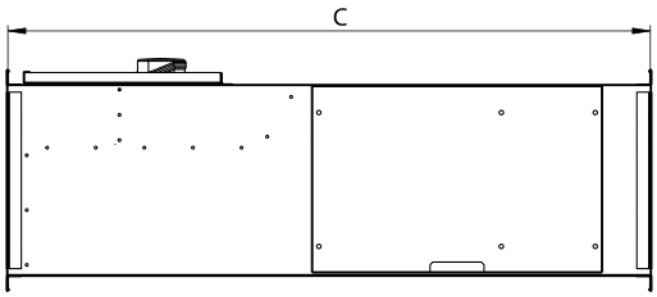
Speed Control
Optional control devices can be provided.
Speed control can be done with linear voltage regulator in 1~phase products (see BSC accessory).

Usage Areas
It is used to supply fresh air. They can be used in two different positions; in normal time, the air is sent to the interior only through the G4 filter. When we want to clean the air, the G4 cassette filter is sent to the interior by passing through the M6 cassette filter which is more sensitive than the activated carbon cassette filter and coarse filter.

Technical Drawing and Tables





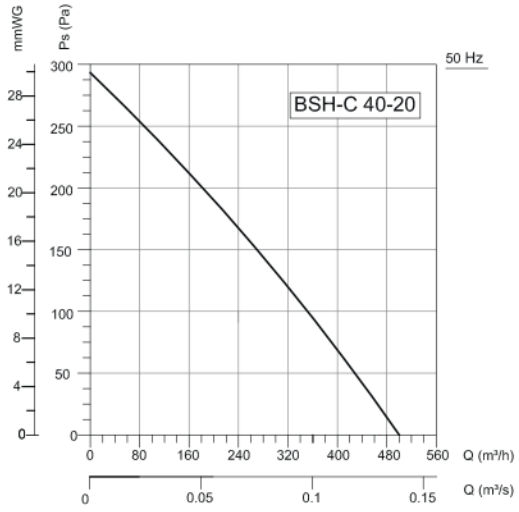


TYPE	A	B	C
BSH-C 40-20	400	200	800
BSH-C 50-25	500	250	1000
BSH-C 60-30	600	300	1100
BSH-C 70-35	700	350	1250

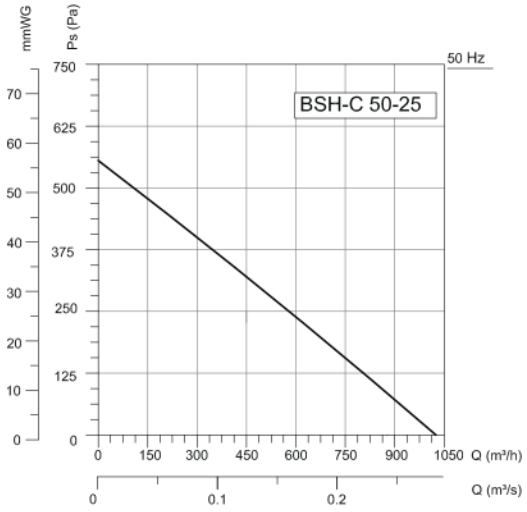
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
BSH-C 40-20	230	50	104	0,4	2,5	2800	500	48	B	44	24
BSH-C 50-25	230	50	130	0,8	5	2800	1000	50	B	44	35
BSH-C 60-30	230	50	180	0,64	6	2800	2000	53	B	44	45
BSH-C 70-35	230	50	210	0,96	6	1400	3000	45	B	44	63

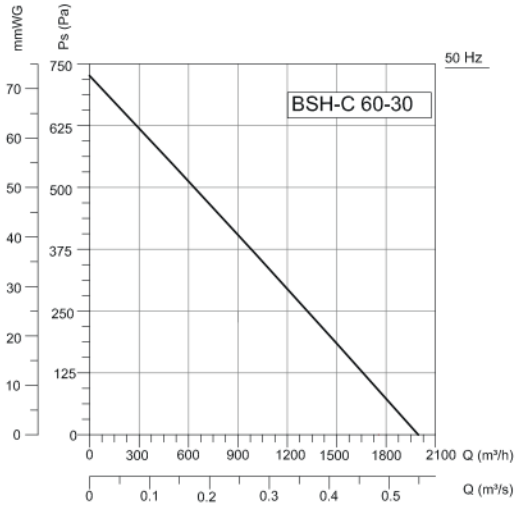
Sound Level Measured from 3m distance in room condition.



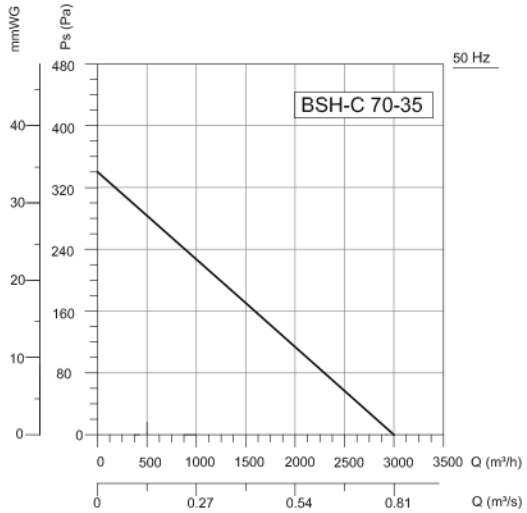
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	69	44	54	66	58	61	59	55	47	dB(A)
L_{wA} Outlet	72	44	53	67	64	63	66	61	58	dB(A)
L_{wA} Surrounding	55	20	34	53	45	44	44	38	35	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	67	47	62	60	60	57	58	53	45	dB(A)
L_{wA} Outlet	73	51	69	65	66	65	64	59	51	dB(A)
L_{wA} Surrounding	57	24	54	50	47	46	45	46	34	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	63	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	62	42	57	55	55	52	53	48	40	dB(A)
L_{wA} Outlet	68	46	64	60	61	60	59	54	46	dB(A)
L_{wA} Surrounding	52	19	49	45	42	41	40	41	29	dB(A)

Accessories

BSC BDEB BDH BDKS BFG2 BFG3 BFG4 BFH13 BCTH