



BDD

DOUBLE INLET RADIAL FANS / Forward Curved

Fan Components and Material Properties

Fan Body and fan are made of high quality galvanized steel which is resistant to corrosion. DD double suction centrifugal fans operate at high efficiency. It has a self-asynchronous motor and is connected to the motor frame by steel carriers.

Fan Structure

Double suction, forward-curved low pressure radial type fan. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It produces high flow rate with its frequent wing structure. It takes less space than fans with belt-pulley mechanisms; It is easy to assemble. With the mounting legs, the air shot directions can be adjusted. Adjustable with speed control devices.

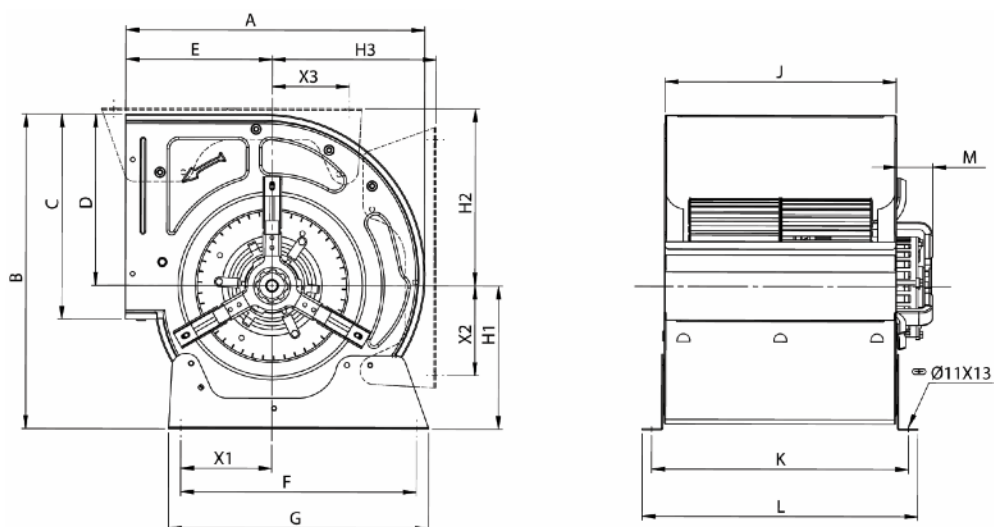
Speed Control

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

Usage Areas

Box fans, air handling units, fancoils, heat recovery devices and so on. silence, comfort and space saving is preferred.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	J	K	L	M	H1	H2	H3	X1	X2	X3
BDD 7-7	313	333	207	190	154	225	250	236	265	288	55	143	195	167	81	93	73
BDD 9-9	381	400	261	218	186	300	330	296	325	350	45	182	245	209	115	115	98
BDD 10-10	425	455	290	250	197	339	370	333	361	386	40	206	258	238	139	145	178
BDD 12-12	490	535	336	292	229	410	440	398	429	454	35	243	292	270	152	140	186

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	m³/h	dB(A)	Ins.cl.	IP	kg
BDD 7-7	230	50	147	2,2	10	1300	1800	60	B	54	9
BDD 9-9	230	50	370	3,6	20	1300	2875	62	B	54	13
BDD 10-10	230	50	600	4,2	20	1380	3425	66	B	54	15
BDD 12-12	230	50	1100	5,8	30	900	5180	62	B	54	26

The sound level is measured at a distance of 3 m in open field condition.

Accessories



BSC-F

BDEB

BDH

