

Technical Data Sheet

JVC/F3B-50N



Product Overview

- ⊗ 95kg unit weight
- ⊗ Inlet Guard
- ⊗ 4 Point mounting
- ⊗ Galvanised finish
- ⊗ Available with Polyester Painted external surfaces

Certification

- ⊗ BSEN 12101-3:2015 – Legislation outlining test procedure to ensure fans are suitable to be used in the event of an emergency, in this instance 300°C for 2 hours
- ⊗ ISO 5801:2007 (Airside Performance)
- ⊗ BS 848 Part 2:1985 (Sound Performance)
- ⊗ BS ISO 13347-2:2004 (Reverberation Room Method)

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Performance & Dimensional Data

Motor Data

Product Code		Thrust N	Volume m ³ /s	Outlet Velocity m/s	Motor Type	Frame
JVC/F3B-50N	High	54	1.62	28.82	Pad Mount	90
	Low	12	0.80	14.00		

Motor Speed	Power kW	FLC A	SC A	Supply	Classification	Insulation
4-8 pole	1.38	3.2	16	400/3/50	F300 120min	H
	0.35	1.36	4.08			

Sound Pressure dBA @ 1m	Speed r/min	Motor Power kW	Absorbed Power kW
67	1449	1.38	1.11
40	733	0.35	0.21

Grease	Protection	Duty
Mobil Polyrex EM	IP55	S1 Ambient Temperature (S2 One Off Smoke Extract)

Acoustic Data

Product Code	Frequency				
	63	125	250	500	1k
JVC/F3B-50N	78	88	87	85	83
	75	71	67	73	69

Product Code	Frequency				dBA @ 1m 45° F-	
	2k	4k	8k	dBW		dBW(A)
JVC/F3B-50N	80	77	70	93	88	70
	62	53	47	79	73	55

Drawing for Fan Model JVC/F3B-50N

A	B	C	D	E	F	G	H	J	K	Weight kg
1359	380	790	102	836	880	27	12	273	75	95

All dimensions are expressed in mm. Motors shown are suitable for the following: General use at temperatures (ambient) +40°C. One off high temperature use of 300°C for 2 hours. 400V / 3 Phase / 50Hz electrical supply. All thrust figures are measured under test conditions. Volume flow and velocity figures shown may have been calculated in accordance with test requirements. All the test data shown has been prepared in accordance with ISO 13350 1999 / BS 848-10-1999. dBA figures are free field sound pressure levels at 45° to the outlet.

