

Technical Data Sheet

JVC/F3B-100N



Product Overview

- ⊗ 125kg 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-100N	High	100	2.63	33.19	Pad Mount	L90L
	Low	18	1.35	16.84		

Motor Speed	Power kW	FLC A	SC A	Supply	Classification	Insulation
4-8 pole	2.7	6.03	30.15	400/3/50	F300 120min	H
	0.68	2.26	7.23			

Sound Pressure dBA @ 1m	Speed r/min	Motor Power kW	Absorbed Power kW
72	1425	2.7	2.31
55	729	0.68	0.43

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-100N	84	91	88	85	83
	77	74	72	71	67

Product Code	Frequency				dBA @ 1m 45° F-	
	2k	4k	8k	dBW		dBW(A)
JVC/F3B-100N	81	78	70	95	89	71
	63	55	48	80	72	54

Drawing for Fan Model JVC/F3B-50N

A	B	C	D	E	F	G	H	J	K	Weight kg
1830	700	1147	102	1203	1247	27	12	332	70	125

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.

