

Twist wires 1 turn min. per 10 mm

WIRE DESIGNATION	
WIRE COLOR	FUNCTION
Black	GND (-)
Red	PWR (+)

All Dimensions in mm	
A	48.92 +/- 0.5
B	18.0
C	24.9
D	20.0
E	20.0 +/-0.5
F	10.5
G	4.0
H	23.0
I	20.0
J	2x Ø4.5+/-0.2
K	Ø32.5
L	300 +/- 30
M	6.9
N	64.2
O	M 1.7 x 2
P	29.5
Q	6.4 +/- 1.0

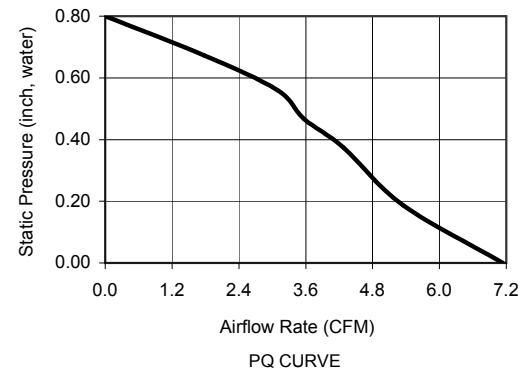
	ITEM	SPECIFICATION	UNITS / NOTES	
MECHANICAL	Speed	5700 +/- 10%	RPM at 12 Vdc	
	Airflow	7.14	CFM in Free Air	
	Static Pressure	0.80	Inch, H <sub>2</sub> O	
	Bearing Type	Dual Ball	N/A	
	Operating Temp	(-)-10 to 70	Deg C	
	Storage Temp	(-)-40 to 70	Deg C	
	Noise Level	34.9	dBA Max at 1M	
	Blade Material	UL 94V-0	N/A	
	Frame Material	UL 94V-0	N/A	
	Wire Size	28	AWG	
PHYSICAL	Wire Type	UL 1571	N/A	
	Wire Assembly	First Slot Only	N/A	
	Regulatory Approvals	TBD	N/A	
	Net Weight	30.0	Grams	
	ELECTRICAL	Operating Voltage	10.8 - 13.2	Vdc
		Start up Voltage	10.8	Vdc
		Start up PWM duty cycle	NA	%
		Rated Current	0.12 (0.14 Max)	Amp
		Input Power	1.44 (1.68 Max)	Watts
		Tach Output	NA	Pulses/Rev
Polarity Protection		Yes	N/A	
Motor Protection		Yes	Type 2	

Revision History				
EC No	REV	Date	Description	Approvals
NA	X00	7/11/16	Created Dwg.	JE
NA	X01	2/12/17	Updt. Housing per new tool	JE

**RELEASED FOR PRODUCTION**

**NOTES**

1. THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2011/65/EU
2. BASE MODEL FAN - ANY CHANGES TO SPECIFICATION REQUIRES NEW PART NUMBER AND DRAWING.



2	1	Logo Label	L05005B0003	JMC
1	1	Fan Model	B5020-12	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA		Blower, 50x20 mm, 12Vdc, DBB, Base Model		
Dong Guan, PRC				
Drawn By		The Fan Company		
A. Aguirre		Size	Drawing Number	Rev
Engineer		A1	05005B0003	X01
J. Elmo		Scale: None		Sheet 1 of 1

PROPRIETARY NOTE

This document is the property of JMC products and contains sensitive and confidential information. Neither this document nor any information it contains may be reproduced or distributed, without written permission by JMC products.