

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

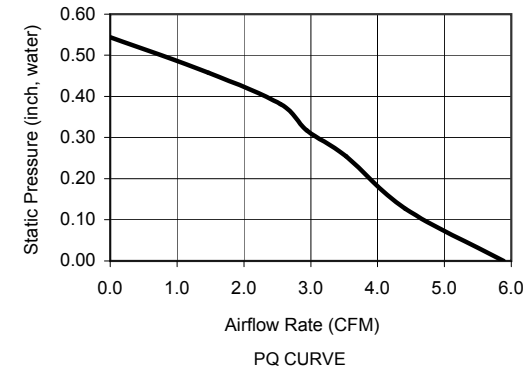
All Dimensions in mm	
A	48.92 +/- 0.5
B	18.0
C	24.9
D	20.0
E	20.0 +/-0.5
F	10.5
G	4.0
H	23.0
I	20.0
J	2x Ø4.5+/-0.2
K	Ø32.5
L	300 +/- 30
M	6.9
N	64.2
O	M 1.7 x 2
P	29.5
Q	6.4 +/- 1.0

	ITEM	SPECIFICATION	UNITS / NOTES
MECHANICAL	Speed	4700 +/- 10%	RPM at 12 Vdc
	Airflow	5.88	CFM in Free Air
	Static Pressure	0.54	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	30.7	dBA Max at 1M
	PHYSICAL	Blade Material	UL 94V-0
Frame Material		UL 94V-0	N/A
Wire Size		28	AWG
Wire Type		UL 1571	N/A
Wire Assembly		First Slot Only	N/A
ELECTRICAL	Regulatory Approvals	TBD	N/A
	Net Weight	30.0	Grams
	Operating Voltage	10.8 - 13.2	Vdc
	Start up Voltage	10.8	Vdc
	Start up PWM duty cycle	NA	%
	Rated Current	0.10 (0.12 Max)	Amp
	Input Power	1.20 (1.44 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**
- THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2011/65/EU
  - BASE MODEL FAN - ANY CHANGES TO SPECIFICATION REQUIRES NEW PART NUMBER AND DRAWING.



2	1	Logo Label	L05005B0002	JMC
1	1	Fan Model	B5020-12	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA		<b>JMCE</b> The Fan Company	Blower, 50x20 mm, 12Vdc, DBB, Base Model	
Dong Guan, PRC			Scale: None	Sheet 1 of 1
Drawn By		Size	Drawing Number	Rev
A. Aguirre		A1	05005B0002	X01
Engineer		J. Elmo		

PROPRIETARY NOTE

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