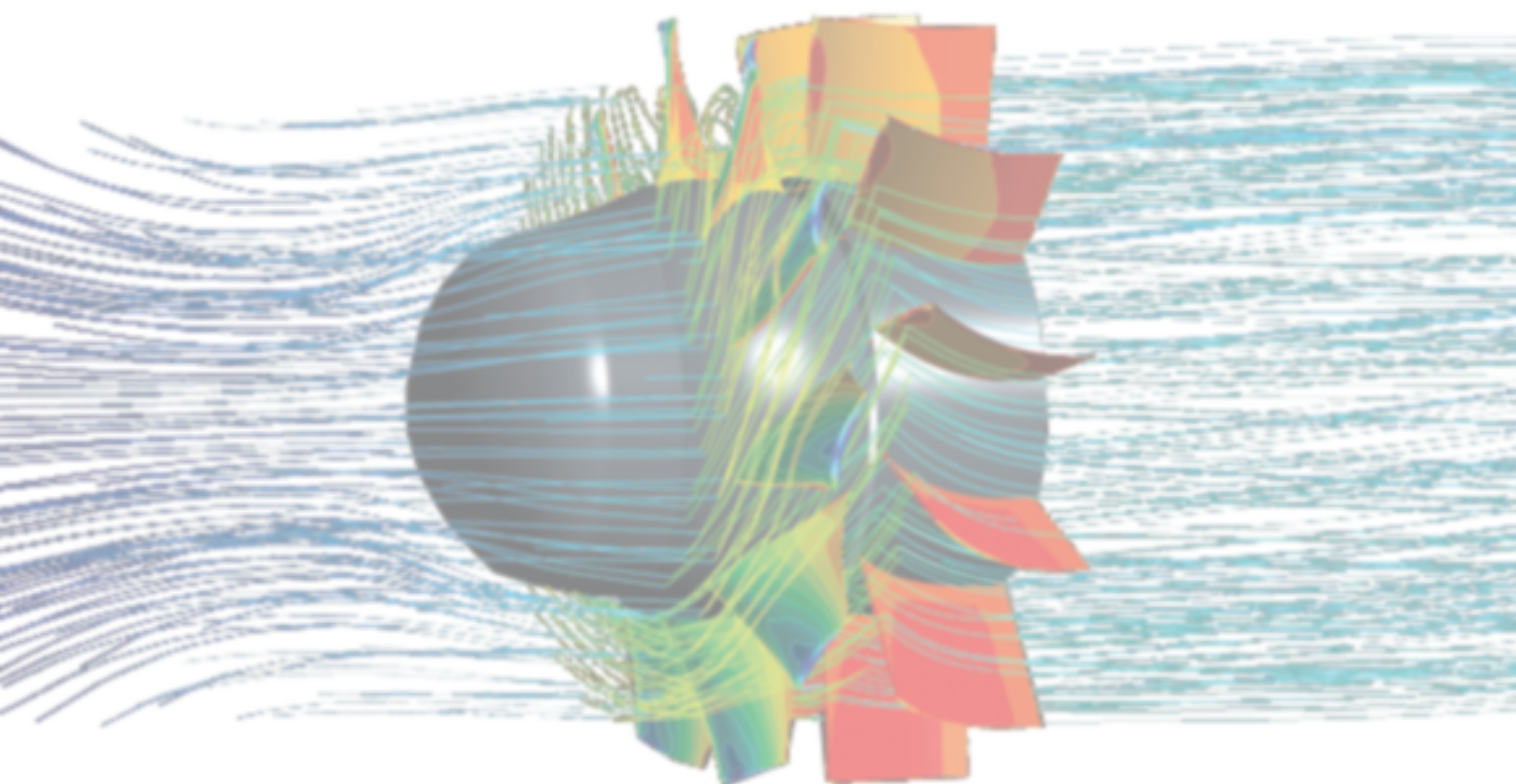




40x50x32 & 40x50x38 Counter-Rotating



 **STAY COOL**

800.580.6688
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Looking for powerful airflow against high system impedance? JMC has you covered.

JMC's 40x50x32mm and 40x50x38mm counter-rotating fans are ideal for high-density 1U servers and power supplies or any other high-density electronic enclosures. Counter-rotating technology creates extremely powerful and concentrated airflow while maintaining high efficiency and an outstanding performance (PQ) curve.



40x50x32mm attributes:

- 10,200 RPM
- 18.5 CFM
- 0.63 inches of H₂O
- 41.5 dBA
- 0.75 amps



40x50x38mm attributes:

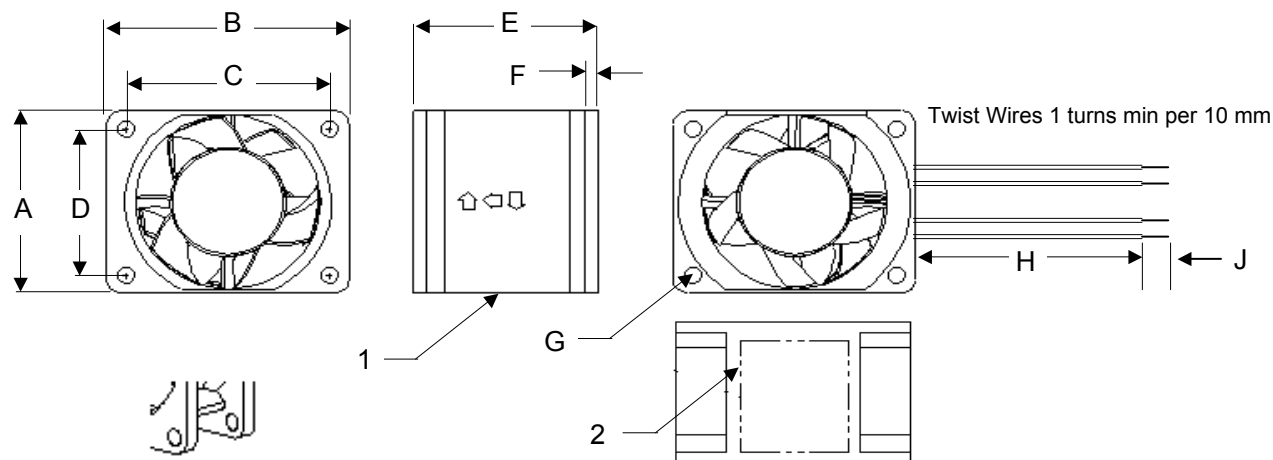
- 10,200 RPM
- 22.4 CFM
- 0.60 inches of H₂O
- 56 dBA
- 0.75 amps

Features:

- Counter-rotation allows for much better performance than standard tube-axial fan against high system impedance
- Pulse Width Modulation (PWM) available for both motors independently or in parallel
- Of the following two features, one can be assigned to both motors, or one of each can be applied by request:
 - Tachometer output
 - Locked rotor signal

Revision History

EC No	REV	Date	Description	Approvals
NA	M	4/16/2013	Created Dwg.	JE



Frame Type (Open Flange)

WIRE DESIGNATION (inlet & exhaust)	
Wire Color	Function
Black	GND (-)
Red	PWR (+)

All Dimensions in mm	
A	40 +/- 0.5
B	50 +/- 0.5
C	42 +/- 0.3
D	32 +/- 0.3
E	32 +/- 0.5
F	2.6 +/- 0.3
G	8 X 3.5 +/- 0.3
H	300 +/- 25
J	6.4 +/- 1.0

NOTES

1. THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2011/65/EU

MECHANICAL

ITEM	SPECIFICATION	UNITS / NOTES
Speed	10,200 +/- 10% (inlet)	RPM at 12 Vdc
Airflow	18.5 (inlet & exhaust)	CFM in Free Air
Static Pressure	0.63 (inlet & exhaust)	Inch, H ₂ O
Bearing Type	Dual Ball (inlet & exhaust)	N/A
Operating Temp	(-)10 to 70	Deg C
Storage Temp	(-) 40 to 70	Deg C
Noise Level	41.5	dBA Max at 1M

PHYSICAL

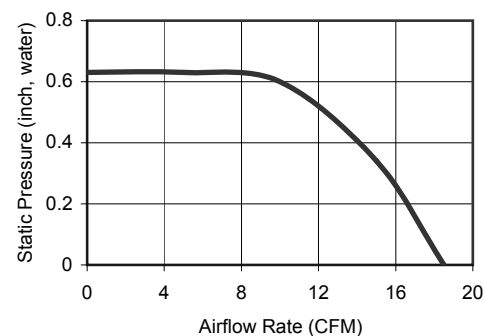
Blade Material	UL 94V-0	N/A
Frame Material	UL 94V-0	N/A
Wire Size	24	AWG
Wire Type	UL 1007 or 1061	N/A
Wire Assembly	Through Frame	N/A
Regulatory Approvals	UL CUL TUV	N/A

ELECTRICAL

Net Weight	TBD	Grams
Operating Voltage	10.8 - 13.2	Vdc
Starting Voltage	10.8	Vdc
Rated Current	0.42	Amp
Input Power	5.04	Watts
Tach Output	NA	Pulses/Rev
Polarity Protection	Yes	N/A
Motor Protection	Yes	Type 2

DISCLAIMER:

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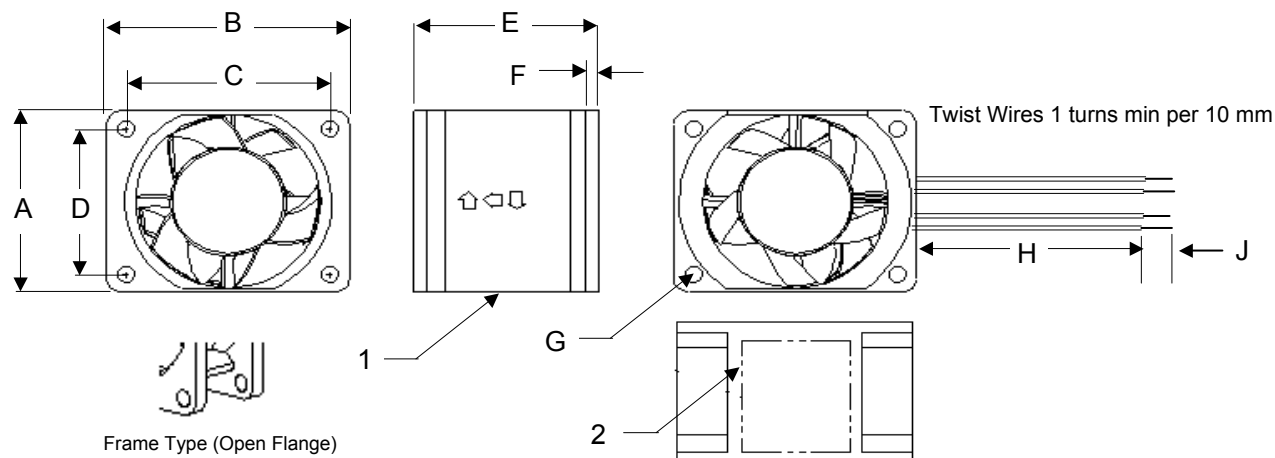
2	1	Logo Label	L04006B0024	JMC
1	1	Fan Model	405032-12	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA Dong Guan, PRC		Fan, 40x50x32 mm, CTR 12Vdc Dual Ball, MRKT		
Drawn By A. Aguirre		Size A1	Drawing Number 04006B0024	Rev M
Engineer J. Elmo		Scale: None Sheet 1 of 1		

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Revision History

EC No	REV	Date	Description	Approvals
NA	M	4/17/2013	Created Dwg.	JE



NOTES

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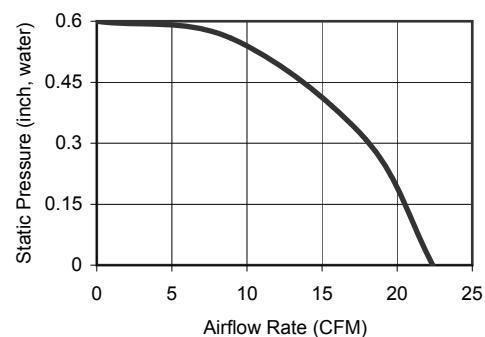
All Dimensions in mm	
A	40 +/- 0.5
B	50 +/- 0.5
C	42 +/- 0.3
D	32 +/- 0.3
E	38 +/- 0.5
F	2.5 +/- 0.3
G	8 X 3.5 +/- 0.3
H	300 +/- 25
J	6.4 +/- 1.0

WIRE DESIGNATION (inlet & exhaust)	
Wire Color	Function
Black	GND (-)
Red	PWR (+)

MECHANICAL	ITEM	SPECIFICATION	UNITS / NOTES
	Speed	10,200 +/- 10% (inlet)	RPM at 12 Vdc
	Airflow	22.4 (inlet & exhaust)	CFM in Free Air
	Static Pressure	0.60 (inlet & exhaust)	Inch, H ₂ O
	Bearing Type	Dual Ball (inlet & exhaust)	N/A
	Operating Temp	(-)10 to 70	Deg C
	Storage Temp	(-) 40 to 70	Deg C
PHYSICAL	Noise Level	56.0	dBA Max at 1M
	Blade Material	UL 94V-0	N/A
	Frame Material	UL 94V-0	N/A
	Wire Size	24	AWG
	Wire Type	UL 1007 or 1061	N/A
	Wire Assembly	Through Frame	N/A
ELECTRICAL	Regulatory Approvals	UL CUL TUV	N/A
	Net Weight	TBD	Grams
	Operating Voltage	10.8 - 13.2	Vdc
	Starting Voltage	10.8	Vdc
	Rated Current	0.75	Amp
	Input Power	9.0	Watts
	Tach Output	NA	Pulses/Rev
	Polarity Protection	Yes	N/A
	Motor Protection	Yes	Type 2

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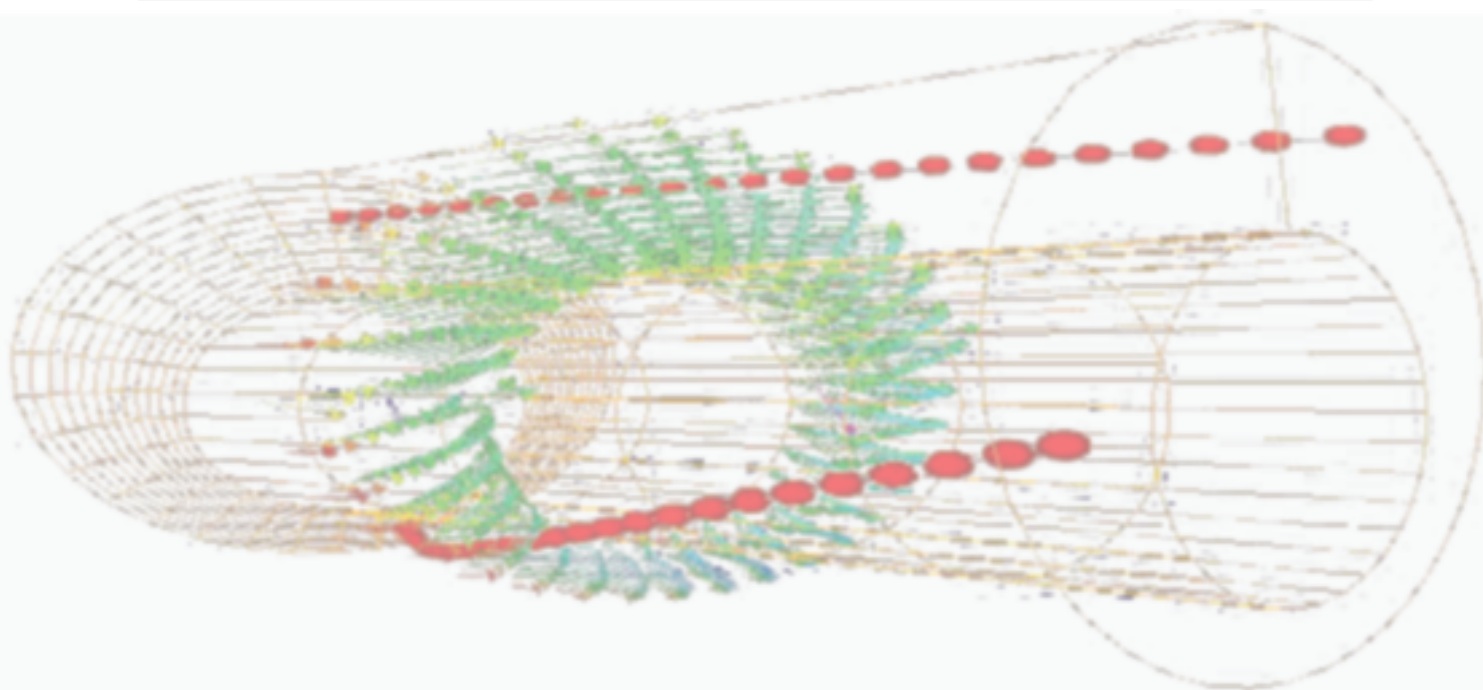
2	1	Logo Label	L04007B0021	JMC
1	1	Fan Model	405038-12	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA Dong Guan, PRC		JMC The Fan Company Fan, 40x50x38 mm, CTR 12Vdc Dual Ball, MRKT		
Drawn By A. Aguirre		Size A1	Drawing Number 04007B0021	Rev M
Engineer J. Elmo		Scale: None		Sheet 1 of 1

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About JMC Products

JMC is a thermal solutions provider with headquarters located in the beautiful city of Austin, Texas. Application development and customer support reside in the Austin headquarters, while manufacturing occurs at JMC's Dong Guan, China 60,000 square ft. facility. In addition, JMC has application centers in Europe and Taiwan. JMC sells its products to major Original Equipment Manufacturers (OEM) in Europe, Asia and the Americas. JMC focuses on developing and innovating high performance, reliable air-moving devices that are utilized in consumer electronics, personal computers, networking, storage and server applications. Our exceptional products and customer support insure our customers always STAY COOL.

 **STAY COOL**

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