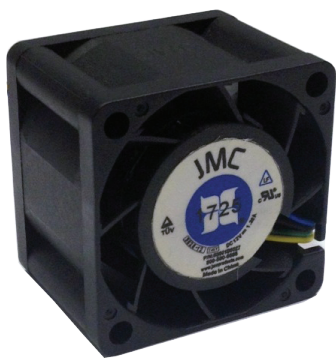
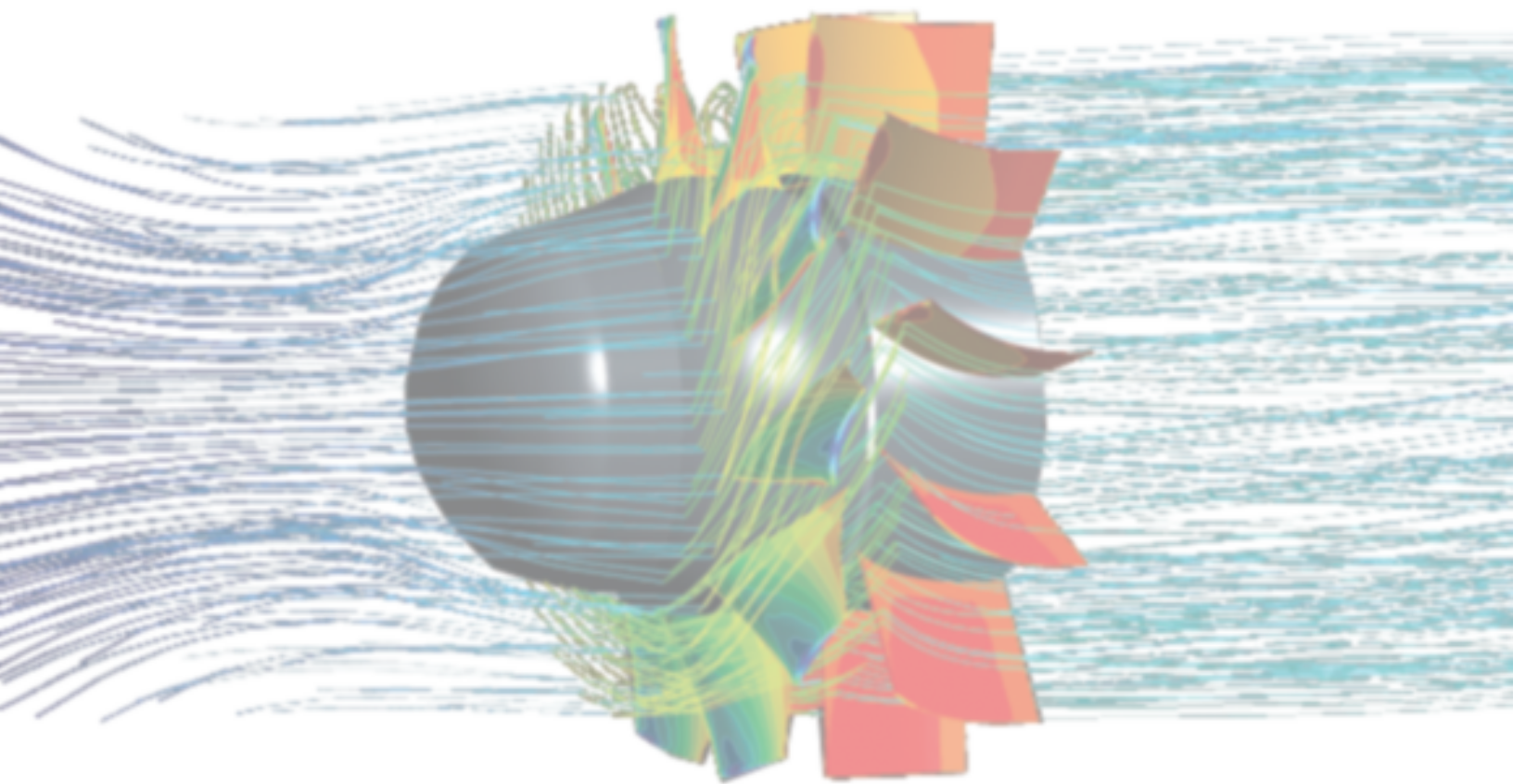




36x36x28 Fixed Vane Fan



 **STAY COOL**

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Looking for superior airflow in a 1U fan size? JMC has you covered.

JMC's 36x28mm fan is sized to fit into 1U power supplies and 1U chassis. This fan is specifically designed to push air through the highest density power supplies and/or 1U chassis. With high frequency PWM control and soft start, you can't find a better fan for this type of application.

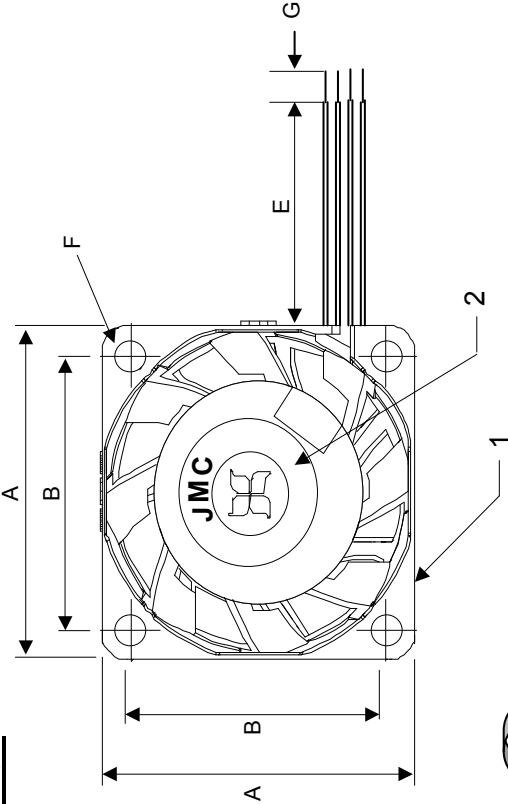
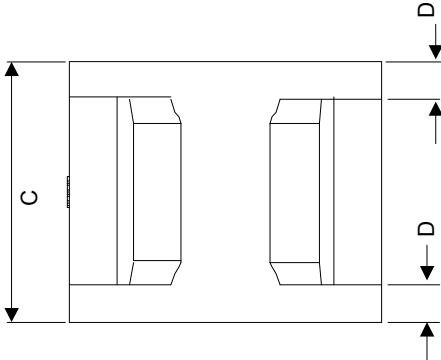
JMC's 36x28mm FV fan possesses the following attributes:

- 21,000 RPM
- 20 CFM
- 1.7 inches of H₂O
- 61.2 dBA
- 1.1 Amps at 12 Vdc
- Life data of 95,000 hours L10 at 40C
- Pulse Width Modulation (PWM)
- In-rush current soft start for reduced power supply stress
- UL & TUV certified and 100% RoHS compliant

This 36mm fan produces twice as much airflow against high static pressure as comparable 38mm and 40mm fans in the market place. With this type of performance, combined with PWM speed control and soft start, you can't find a better cooling solution for high density 1U computer servers, 1U power supplies, or small high density enclosures.



NOT RELEASED FOR PRODUCTION



Rotation, Clockwise

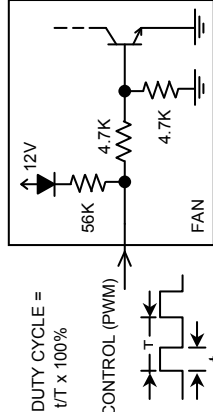


Airflow

WIRE DESIGNATION	
FUNCTION	WIRE COLOR
GND (-)	Black
PWR (+)	Yellow
Signal (Tach)	Green
PWM	Blue

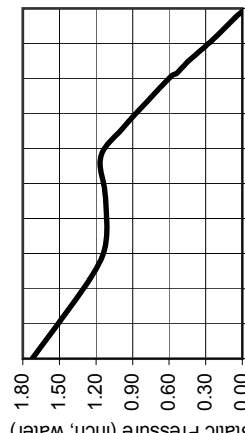
All Dimensions in mm	
A	36 +/- 0.5
B	29.5 +/-0.3
C	28 +/-0.5
D	4.0 +/-0.3
E	300 +/- 20
F	4 X 3.5 Dia +/- 0.3
G	6.4 +/- 1.0

Frame Type (Closed Barrel)



PWM Fcy: 25KHz +/-5KHz

FRONT END PWM CIRCUIT



PQ CURVE

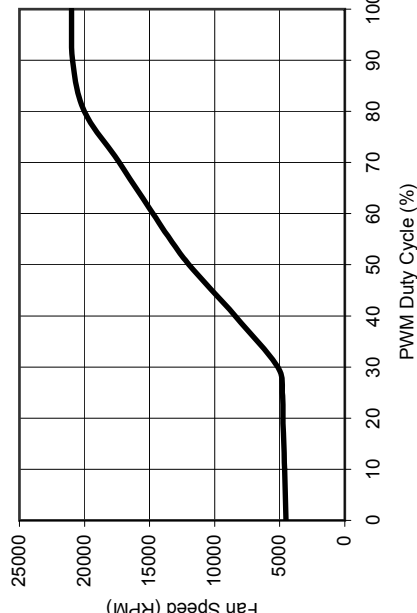
ITEM	SPECIFICATION	UNITS / NOTES
Speed	21,000 +/- 10%	RPM at 12 Vdc
Airflow	20.0	CFM in Free Air
Static Pressure	1.70	Inch, H ₂ O
Bearing Type	Ball, Dual	N/A
Operating Temp	(-)10 to 60	Deg C
Storage Temp	(-)40 to 70	Deg C
Noise Level	61.2	dBA Max at 1M
Blade Material	UL 94V-0	N/A
Frame Material	UL94V-0	N/A
Wire Size	26	AWG
Wire Type	UL 1061	N/A
Wire Assembly	First Slot Only	N/A
Regulatory Approvals	UL CUL TUV	N/A
Net Weight	TBD	Grams
Operating Voltage	10.8 - 13.2	Vdc
Start up PWM duty cycle	30	%
Rated Current	1.1 (1.27 Max)	Amp
Input Power	13.2 (15.24 Max)	Watts
Tach Output	2	Pulses/Rev
Polarity Protection	Yes	N/A
Motor Protection	Yes	Type 2

Revision History

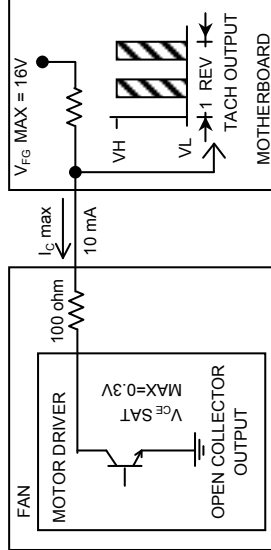
EC No	REV	Date	Description	Approvals
N/A	X00	8/24/11	Created Dwg.	JE
N/A	X01	12/13/11	Added UL, TUV	JE

NOTES

- 1.- THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2002/95/EC
- 2.- BASE MODEL FAN - ANY CHANGES TO SPECIFICATION REQUIRES NEW PART NUMBER.
- 3.- RPM TOLERANCE IS +/-30% AT DUTY CYCLES BELOW 30%.
- AT DUTY CYCLES BETWEEN 30% AND 100%, RPM TOLERANCE CONVERGES LINEARLY TO 10%.



PWM Duty Cycle (%)



TACH OUTPUT ELECTRICAL CHARACTERISTICS

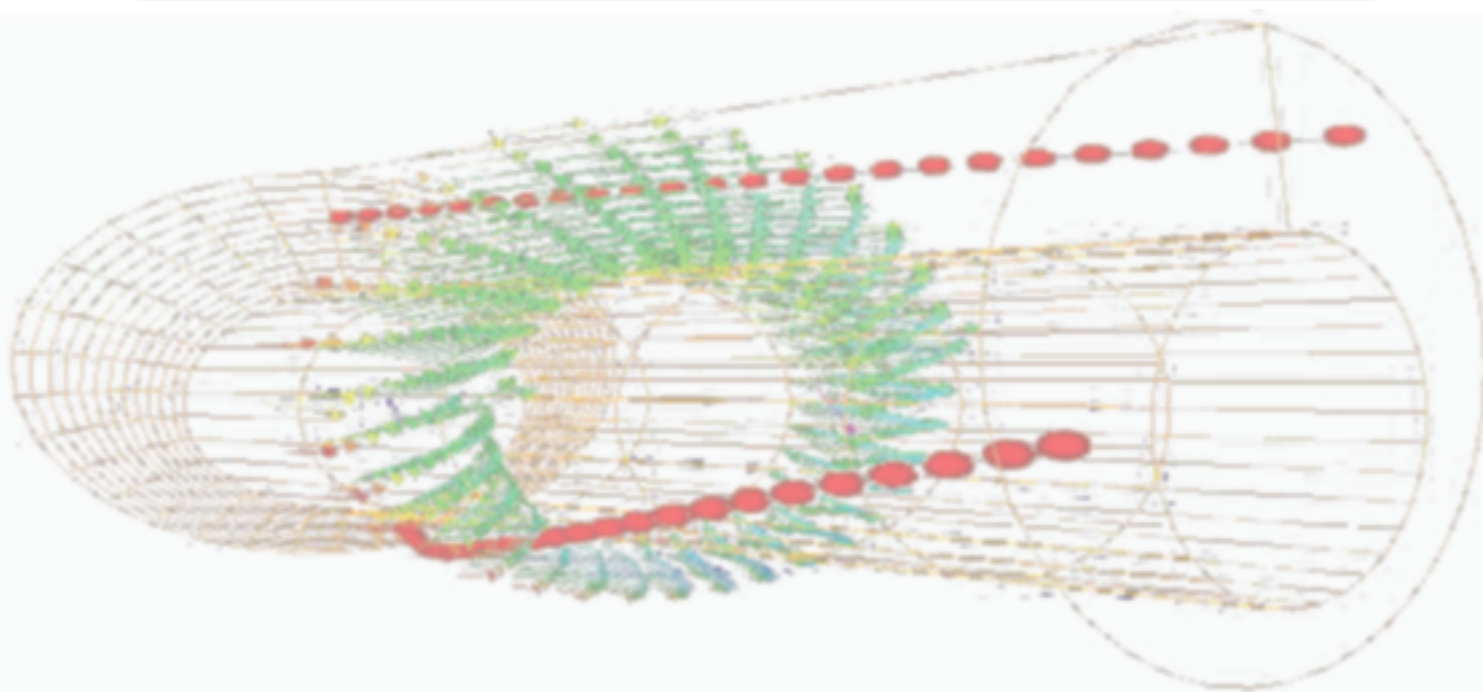
2	1	Logo Label	L03601B00004	JMC
1	1	Fan Model	3628-12 745Y	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA		JMC The Fan Company		
Dong Guan, PRC		Fan, 36x28 FV, 12Vdc DBB, Base Model		
Drawn By		Size	Drawing Number	Rev
A. Aguire		A1	03601B00004	X01
Electrical Engineer		Scale: None		Sheet 1 of 1



Samples of this superior 36x28 FV fan
are available right now!

Ask for **03601B0004**

Call 800.580.6688 or email sales@jmcproducts.com



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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