imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Comair Rotron Specification Sheet

COMAIR ROTRON

Specification Date: Jan 12, 2012

COMAIR ROTRON PART NUMBER: COMAIR ROTRON MODEL NUMBER:

19044009A MFSE48Z

A.) MOTOR:

RATED VOLTAGE: 48.0Vdc **OPERATING VOLTAGE RANGE:** 36.0Vdc - 56.0VdcLOW-START VOLTAGE: 36.0Vdc **RUNNING CURRENT:** 2.3 Amps **RATED POWER:** 110 Watts NOMINAL SPEED: 4600RPM±10% (AtFree Delivery) START UP TIME: 20 Seconds Maximum **OVER VOLTAGE PROTECTION:** No MAX.LOCK.ROTOR CURRENT: 6.0 A MOTOR TYPE: Brushless DC MOTOR PROTECTION: Active Over Current Protection POLARITY PROTECTION: Yes LOCKED ROTORT PROTECTION: Electronic AUTOMATIC RESTART CAPABILITY: Yes AUTOMATIC RESTART DELAY: $5\pm 2S$ MAX START UP CURRENT: 3.0A

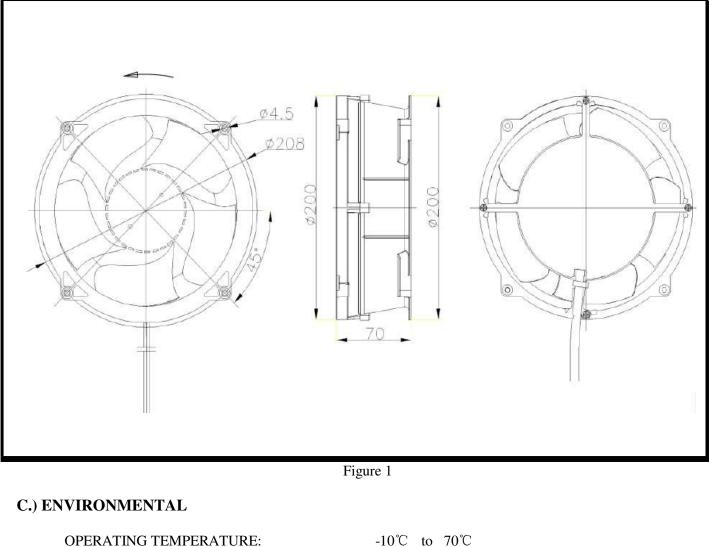
B.) MECHANICAL

DIMENSIONS:	Figure 1
WEIGHT:	1.90 Kg
BEARING TYPE:	Permanently Lubricated Ball Bearings
VENTURI:	Two-Piece, Die Cast Aluminum, Painted Black
PROPELLER:	Plastic PA6.6 (polyamide glass-fiber reinforced ,Black, UL94V-0



Comair Rotron Specification Sheet

Specification Date: Jan 12, 2011



OPERATING TEMPERATURE: STORAGE TEMPERATURE: HUMIDITY:

-40°℃ to 80°℃

0~ to 85% RH, non-condensing

D.) PERFORMANCE CHARACTERISTICS

AIR FLOW:

STATIC PRESSURE:

530 CFM ±10% (At Free Delivery and 48.0 VDC Nominal)

2.82" Inches of H2O (At Shut-Off and 48.0 VDC Nominal)

Comair Rotron Specification Sheet



Specification Date: Jan 12, 2011

ACOUSTIC LEVEL:

85 dBA

56V

E.) TACHOMETER FEATURES

TACHOMETER OUTPUT: Max Pull up Voltage: Max I_C : Nominal Pull up Voltage : Nominal Pull up Resistor :

Specific feature of Tacho output with Nominal Voltage & Resistor:

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Output High Level	:	47 - 49V
Output Low Level	:	0 - 0.5V
Pulses	:	3 Per Rev
Output Pulse Dutycycle	:	50%±10%

F.) SPEED CONTROL FEATURES

Method: High Voltage Level : Low Voltage Level : Frequency: Min Input Impedance: Duty: 0-10% 10% 20% 30% 40% 50% 60% 70% 80% 90% 95%-100%

G.) TERMINATION

LEADWIRE:

WIRE GAUGE:

WIRE IDENTIFICATION:

H.)SAFETY

UL, CE CCC 10mA 48V 10000 OHMS

Open Collector Output

PWM 10VDC±5% 0-0.5VDC 1-10KHz 20 Kohms Speed 0 20% full speed 35% full speed 50% full speed 60% full speed 65% full speed 75% full speed 85% full speed 90% full speed 95% full speed full speed

17" Length, UL 1007

20AWG

Red – Power+ Blue– Power-White – Tachometer Signal(OC) Yellow – Speed control(PWM)



Comair Rotron Specification Sheet Specification Date: Jan 12, 2011

J) PWM VS P-Q CURVE

