



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!



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Comair Rotron Specification Sheet
Specification Date: October 18, 2006

COMAIR ROTRON PART NUMBER: 040808
COMAIR ROTRON MODEL NUMBER: DD892848B1A2-E2 (ROHS Compliant)

A.) MOTOR:

RATED VOLTAGE:	48 Vdc
OPERATING VOLTAGE RANGE:	24 Vdc – 72 Vdc
LOW-START VOLTAGE:	24 Vdc
RUNNING CURRENT:	1.40 Amps
LOCKED ROTOR CURRENT:	2.00 Amps
RATED POWER:	67.2 Watts
NOMINAL SPEED:	2,700 RPM \pm 200 (At Free Delivery)
START UP TIME:	10 Seconds Maximum
MOTOR TYPE:	Brushless DC
MOTOR PROTECTION:	By Integrated Circuit, Fuse
LOCKED ROTORT PROTECTION:	Electronic
POLARITY PROTECTION:	Yes
AUTOMATIC RESTART CAPABILITY:	By Integrated Circuit
ROTATION:	Clockwise when viewed from Inlet

B.) MECHANICAL

DIMENSIONS:	227mm Dia. x 65.3mm (8.94" Dia. x 2.57") <i>Figure 1</i>
WEIGHT:	1.60 Kg (3.53 Lbs.)
BEARING TYPE:	Ball Bearing, Permanently Lubricated, Shielded



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MOTOR BASE:

Die Cast Aluminum

PROPELLER:

Metal, plated, Chem Film Gold per MIL-C-541 Class 1A

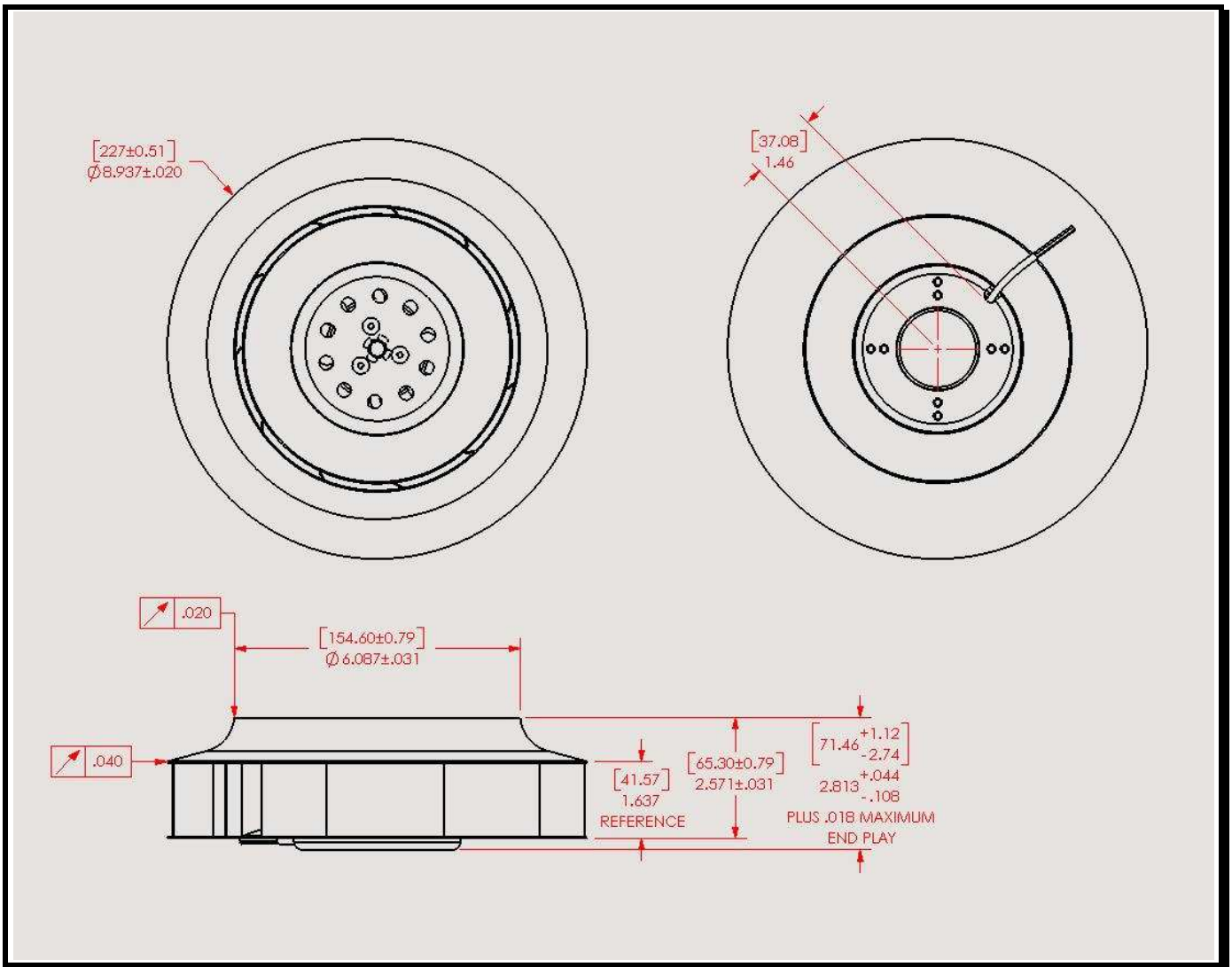


Figure 1



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C.) ADDITIONAL FEATURES

TACHOMETER OUTPUT:	5Vdc TTL Compatible Output $I_C = 5\text{mA}$ typical. 2 Pulses per Revolution
SPEED CONTROL:	PWM Input
ENVIROSHIELD:	Type 2 (meets Belcore GR-487)

D.) ENVIRONMENTAL

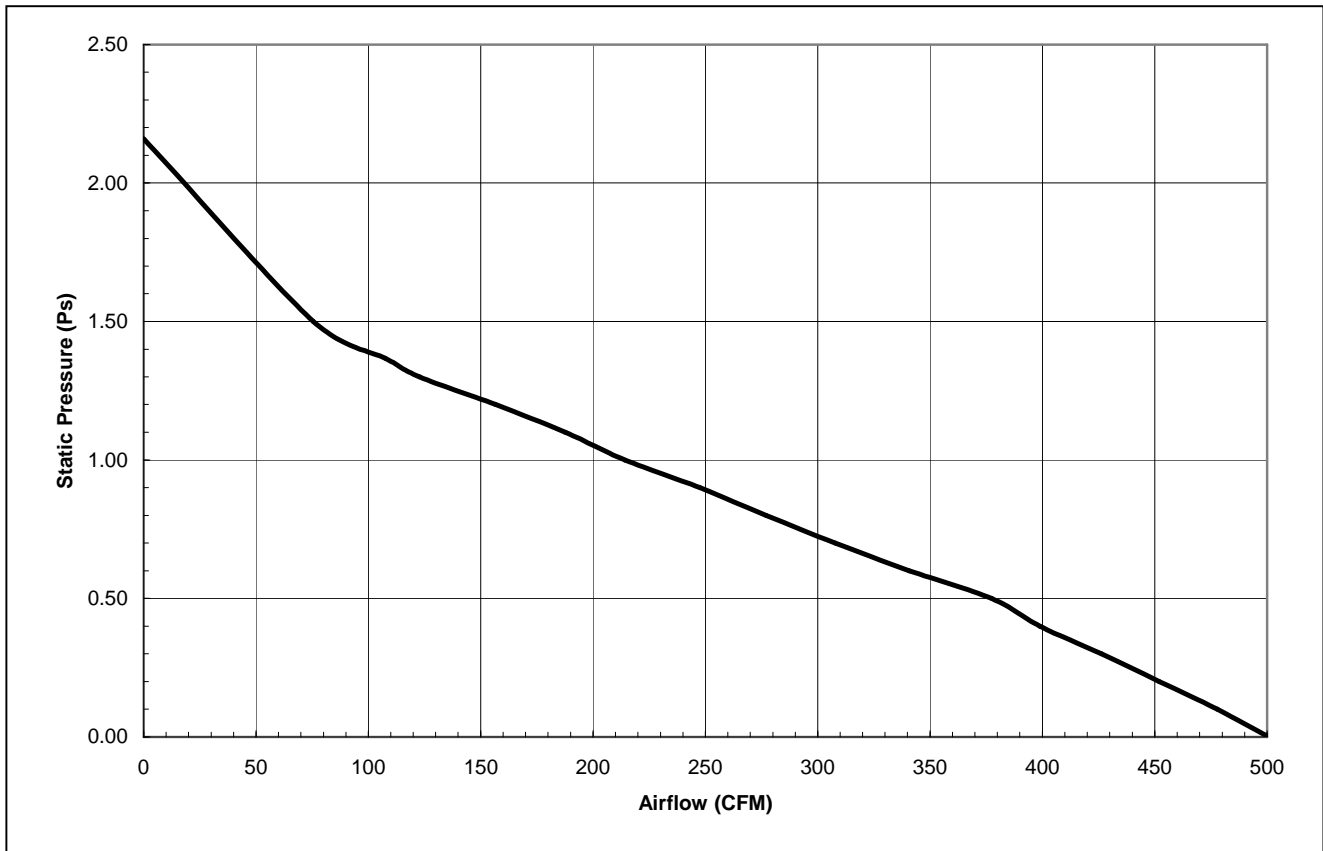
OPERATING TEMPERATURE:	-40°C to +70°C
STORAGE TEMPERATURE:	-50°C to +85° C, 65% ± 20% RH
HUMIDITY:	5% to 95% RH, non-condensing
VIBRATION:	3G's (20 to 200 Hz)
SHOCK:	100G peak, 10 msec, half sine wave

E.) PERFORMANCE CHARACTERISTICS

AIR FLOW:	500 CFM ± 10% (At Free Delivery and 48Vdc)
STATIC PRESSURE:	2.220" Inches of H ₂ O (At Shut-Off and 48Vdc)
ACOUSTIC LEVEL:	73 dBA (Freely Suspended at 1 meter per ANSI S12.11-1987 at 48Vdc)



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F.) TERMINATION

LEADWIRES:

18.0 ± 0.50"
20 AWG, UL 1061 Style
(From the edge of the venturi to the tip
of the lead wires.)

COLOR DESIGNATION:

Red – Power
Black – Return
Blue/White – Tachometer Output
Yellow – Program (PWM) Input



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G.) RELIABILITY

This fan is designed for continuous duty life of XX,000 Hours at 40°C, (L10) . New digital motor; testing not yet complete.

H.) SAFETY



I.) Flammability

The blower including all components meets an UL94V-0 rating or better.