COMAIR ROTRON

Comair Rotron Specification Sheet

Specification Date: April 19, 2017 RoHS Compliant Version: 00

COMAIR ROTRON PART NUMBER: 17000659A COMAIR ROTRON MODEL NUMBER: CR2258-4000E1B

A.) MOTOR:

RATED VOLTAGE: 115 VAC

START VOLTAGE: 87 VAC

OPERATING VOLTAGE RANGE: 103~126 VAC

OPERATING FREGUENCY: 50/60 Hz

MAX. RUNNING CURRENT: 1.4 Amps

INPUT POWER: 109 Watts

NOMINAL SPEED: $4000 \text{ RPM} \pm 10\%$

(At Free Delivery)

MOTOR TYPE: Brushless EC

MOTOR PROTECTION: By Integrated Circuit

LOCKED ROTORT PROTECTION: IC protected

POLARITY PROTECTION: Yes

AUTOMATIC RESTART CAPABILITY:

By Integrated Circuit

ROTATION: Clockwise when viewed from the impeller

B.) MECHANICAL

DIMENSIONS: 225x225x80 mm

Figure 1

WEIGHT: 1.83 Kg

BEARING TYPE: Permanently Lubricated Ball Bearings

VENTURI: High quality magnesium alloy die-casting

frame with ED coating& powder coating.

PROPELLER: High quality magnesium alloy die-casting

frame with ED coating& powder coating.



Comair Rotron Specification Sheet

Specification Date: April 19, 2017 RoHS Compliant Version: 00

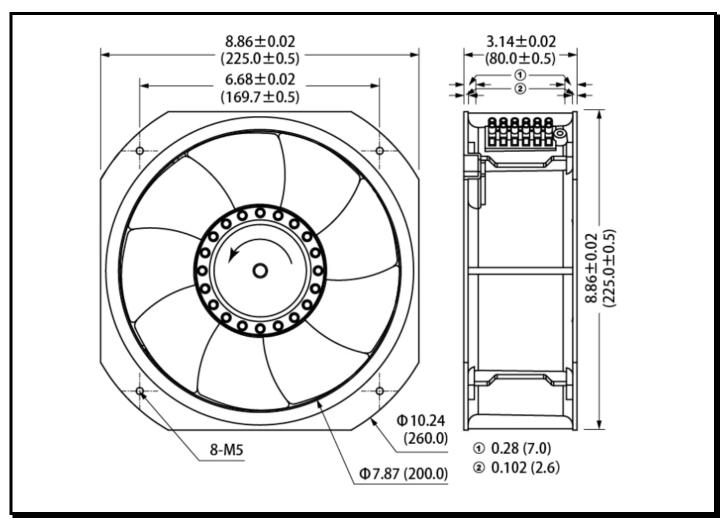


Figure 1

C.) ENVIRONMENTAL

OPERATING TEMPERATURE: -20°C to +70°C

STORAGE TEMPERATURE: The storage temperature will be suggested at $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ to ensure a better performance.

HUMIDITY: 20 to 85% RH, non-condensing

D.) PERFORMANCE CHARACTERISTICS

AIR FLOW: 838 CFM ± 5%, Curve D (At Free Delivery and MAX. speed)



Comair Rotron Specification Sheet

Specification Date: April 19, 2017 RoHS Compliant Version: 00

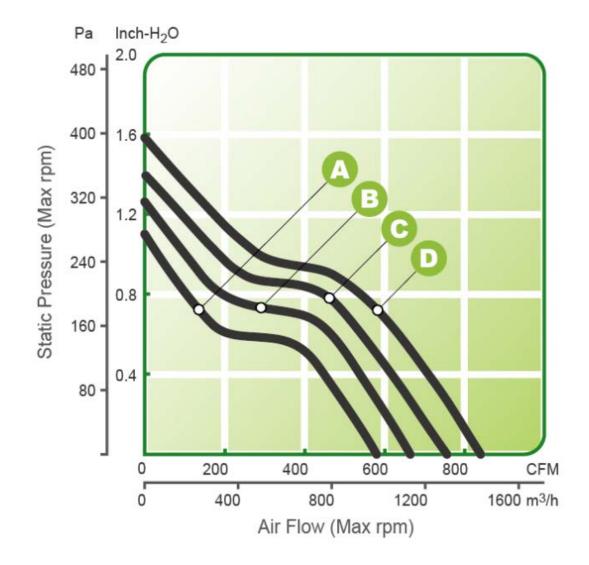
STATIC PRESSURE:

1.58" Inches of H20, Curve D

(At Shut-Off and MAX. speed)

ACOUSTIC LEVEL:

74 dBA Max. at MAX. speed (Measured via Freely Suspended at 1 meter)





Comair Rotron Specification Sheet

Specification Date: April 19, 2017 RoHS Compliant Version: 00

E.) TERMINATION

Suit with terminal block, PV1.25-3A-0.5 terminal

F.) RELIABILITY

Bearing type	Temperature	Hours
Ball bearing	20℃	60,000
	40℃	50,000
	60℃	40,000
	90℃	20,000

G.) SAFETY

UL, CUL, TUV, CE