



Comair Rotron Specification Sheet

Specification Date: Feb 27, 2018

RoHS Compliant

Version: 01

COMAIR ROTRON PART NUMBER:

17000660A

COMAIR ROTRON MODEL NUMBER:

CREC2258-4000E2B

A.) MOTOR:

| | |
|-------------------------------|---------------------------------------------------|
| RATED VOLTAGE: | 230 VAC |
| START VOLTAGE: | 173 VAC |
| OPERATING VOLTAGE RANGE: | 207~253 VAC |
| OPERATING FREQUENCY: | 50/60 Hz |
| MAX. RUNNING CURRENT: | 0.72 Amps |
| INPUT POWER: | 110 Watts |
| NOMINAL SPEED: | 4000 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: | Counterclockwise when viewed from the impeller |

B.) MECHANICAL

| | |
|---------------|------------------------------------------------------------------------------------|
| DIMENSIONS: | 225x225x80 mm <i>Figure 1</i> |
| 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. |



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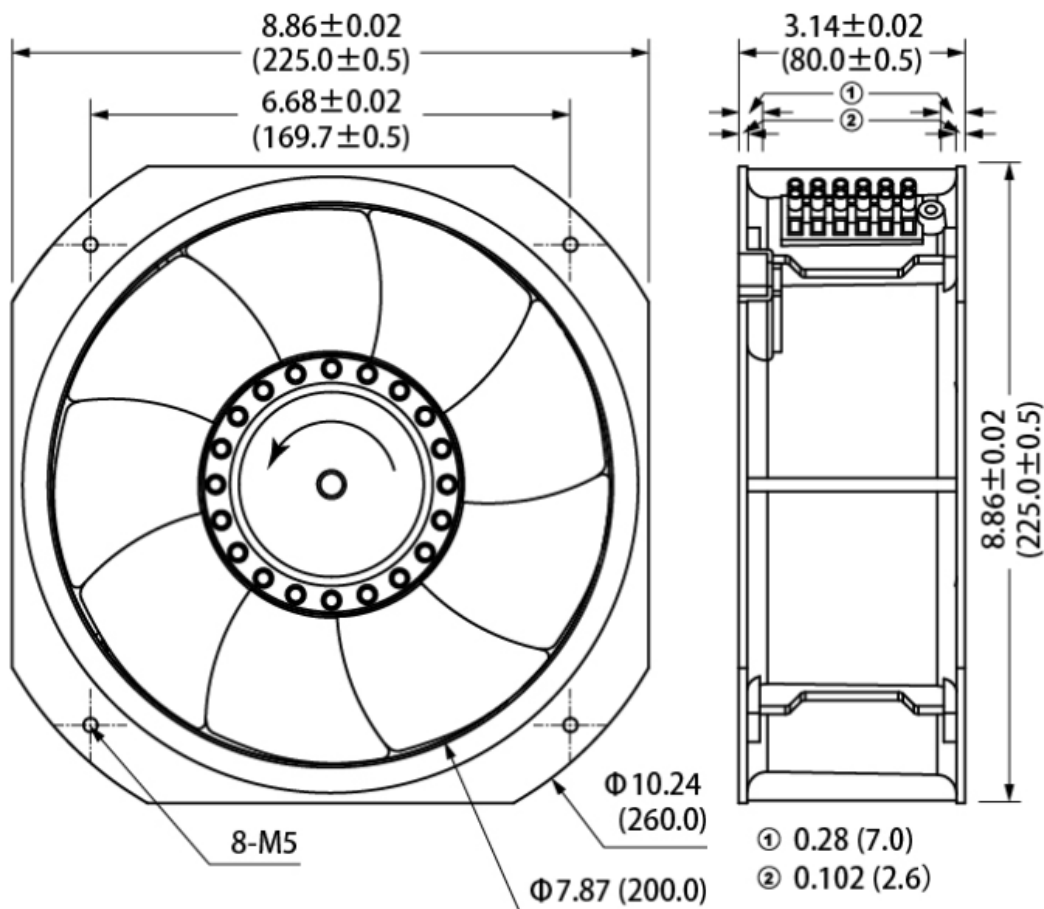


Figure 1

C.) ENVIRONMENTAL

OPERATING TEMPERATURE:

-20°C to +70°C

STORAGE TEMPERATURE:

The storage temperature will be suggested at -20°C ~ 50°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)



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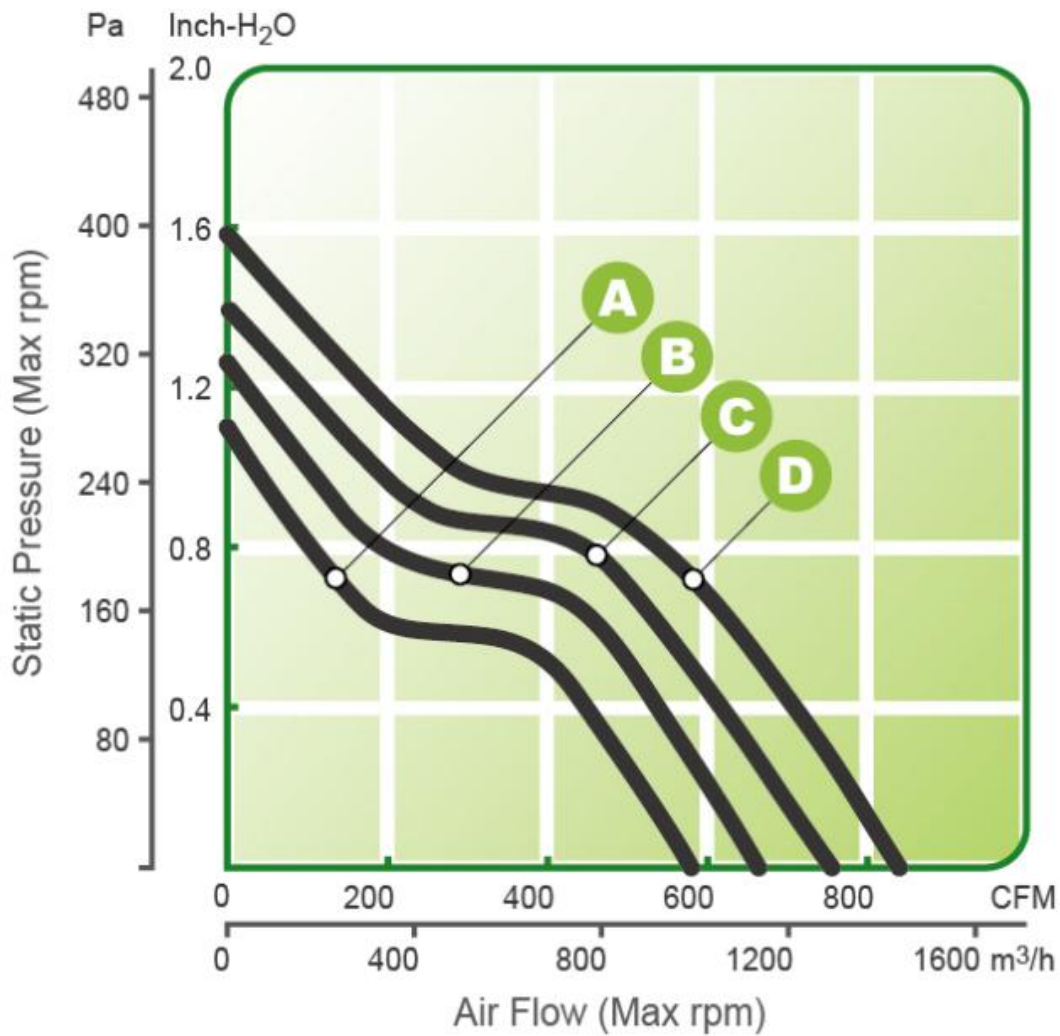
Version: 01

STATIC PRESSURE:

1.58" Inches of H₂O, Curve D
(At Shut-Off and MAX. speed)

ACOUSTIC LEVEL:

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





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E.) TERMINATION

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

F.) RELIABILITY

| Bearing type | Temperature | Hours |
|---------------------|-------------|--------|
| Ball bearing | 20 °C | 60,000 |
| | 40 °C | 50,000 |
| | 60 °C | 40,000 |
| | 90 °C | 20,000 |

G.) SAFETY

UL, CUL, TUV, CE