Comair Rotron Specification Sheet



Specification Date: Feb 27, 2018

Version: 01

COMAIR ROTRON PART NUMBER: 17000654A

COMAIR ROTRON MODEL NUMBER: CREC2258-2800E2B

A.) MOTOR:

RATED VOLTAGE: 230VAC \pm 10%

OPERATING VOLTAGE RANGE: 207~253VAC

LOW-START VOLTAGE: 172VAC

RATED CURRENT: 0.30 Amps

OPERATING FREGUENCY: 50~60Hz

INPUT POWER: 46 Watts

RATTED SPEED: $2800 \text{ RPM} \pm 5\%$

(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: Counter Clockwise when viewed from the

impeller

B.) MECHANICAL

DIMENSIONS: 225mm x 225mm x 80mm

WEIGHT: 1800g

BEARING TYPE: Ball Bearings

VENTURI: Die Cast magnesium alloy,

ED coating and powder coating

PROPELLER: Die Cast magnesium alloy,

ED coating and powder coating

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@ 0.102 (2.6)

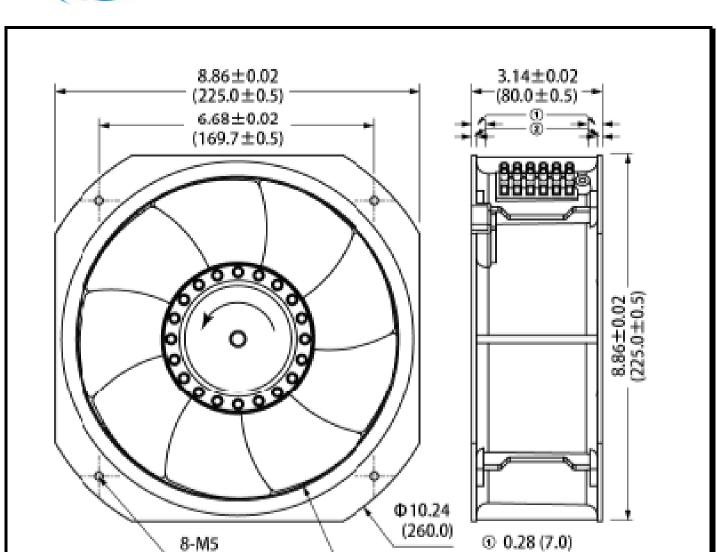


Figure 1

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.

Φ7.87 (200.0)

HUMIDITY: 20 to 85% RH, non-condensing

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D.) PERFORMANCE CHARACTERISTICS

AIR FLOW: $532 \text{ CFM} \pm 5\%$

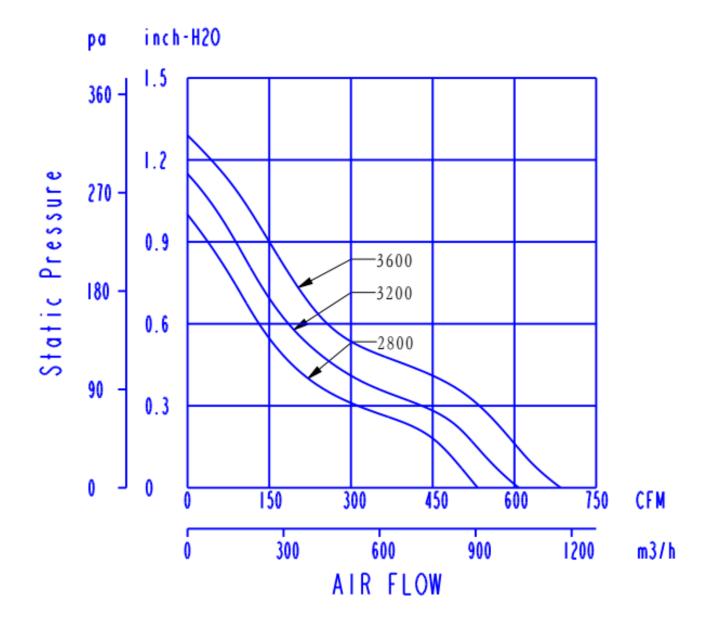
(Measuring at zero static pressure)

STATIC PRESSURE: 1.00" Inches of H20

(Measuring at zero airflow)

ACOUSTIC LEVEL: 65 dBA Max. at MAX. speed

(Measured via Freely Suspended at 1 meter)





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E.) TERMINATION

Terminal connection: Suit with terminal block

Blue = Neutral wire Brown = Live wire Yellow/Green = Ground wire

F.) RELIABILITY

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

G.) SAFETY

UL, CUL, CE

H.) FLAMMABILITY

The fan including all components meets a UL94V-0 rating or better.