# COMAIR ROTRON

## **Comair Rotron Specification Sheet**

Specification Date: Dec 12, 2017

Version: 02

COMAIR ROTRON PART NUMBER: 17000538A COMAIR ROTRON MODEL NUMBER: CREC12038-3600

A.) MOTOR:

RATED VOLTAGE:  $100\sim240$ VAC $\pm10\%$ 

OPERATING VOLTAGE RANGE: 90~264VAC

LOW-START VOLTAGE: 80VAC

RUNNING CURRENT: 0.12~0.31 Amps

OPERATING FREGUENCY: 50~60Hz

INPUT POWER: 17 Watts

NOMINAL SPEED:  $3,600 \text{ RPM} \pm 5\%$ 

(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: 120mm x 120mm x 38mm

WEIGHT: 490g

BEARING TYPE: Permanently Lubricated Ball Bearings

VENTURI: Die Cast magnesium alloy, ED coating and powder coating

PROPELLER: Die Cast magnesium alloy,

ED coating and powder coating



# **Comair Rotron Specification Sheet**

Specification Date: Dec 12, 2017

Version: 02

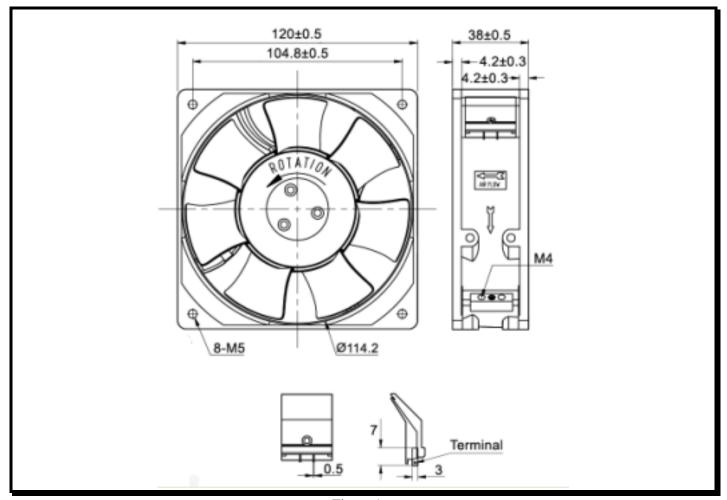


Figure 1

## C.) ENVIRONMENTAL

OPERATING TEMPERATURE: -20°C to +70°C

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

**HUMIDITY**: 20 to 85% RH, non-condensing



# **Comair Rotron Specification Sheet**

Specification Date: Dec 12, 2017

Version: 02

#### D.) PERFORMANCE CHARACTERISTICS

AIR FLOW: 144 CFM  $\pm$  5%

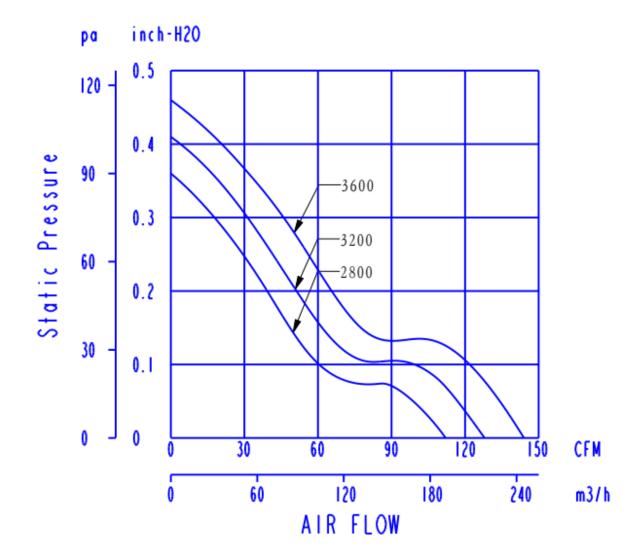
(Measuring at zero static pressure)

STATIC PRESSURE: 0.46" Inches of H20

(Measuring at zero airflow)

ACOUSTIC LEVEL: 60 dBA Max. at MAX. speed

(Measured via Freely Suspended at 1 meter)





# **Comair Rotron Specification Sheet**

Specification Date: Dec 12, 2017

Version: 02

### E.) TERMINATION

Joint terminal: suit with  $0.5 \times 3 \times 7$ mm PIN

## 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.