



## Comair Rotron Specification Sheet

Specification Date: Feb 27, 2018

Version: 01

COMAIR ROTRON PART NUMBER:

17000654A

COMAIR ROTRON MODEL NUMBER:

CREC2258-2800E2B

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### A.) MOTOR:

|                               |  |
|-------------------------------|--|
| RATED VOLTAGE:                | 230VAC $\pm$ 10%                                   |
| OPERATING VOLTAGE RANGE:      | 207~253VAC   |
| LOW-START VOLTAGE:            | 172VAC   |
| RATED CURRENT:                | 0.30 Amps  |
| OPERATING FREQUENCY:          | 50~60Hz  |
| INPUT POWER:                  | 46 Watts   |
| RATTED SPEED:                 | 2800 RPM $\pm$ 5%<br>(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<br>impeller |

### B.) MECHANICAL

|               |  |
|---------------|--|
| DIMENSIONS:   | 225mm x225mm x 80mm  |
| WEIGHT:       | 1800g  |
| BEARING TYPE: | Ball Bearings  |
| VENTURI:      | Die Cast magnesium alloy,<br>ED coating and powder coating |
| PROPELLER:    | Die Cast magnesium alloy,<br>ED coating and powder coating |



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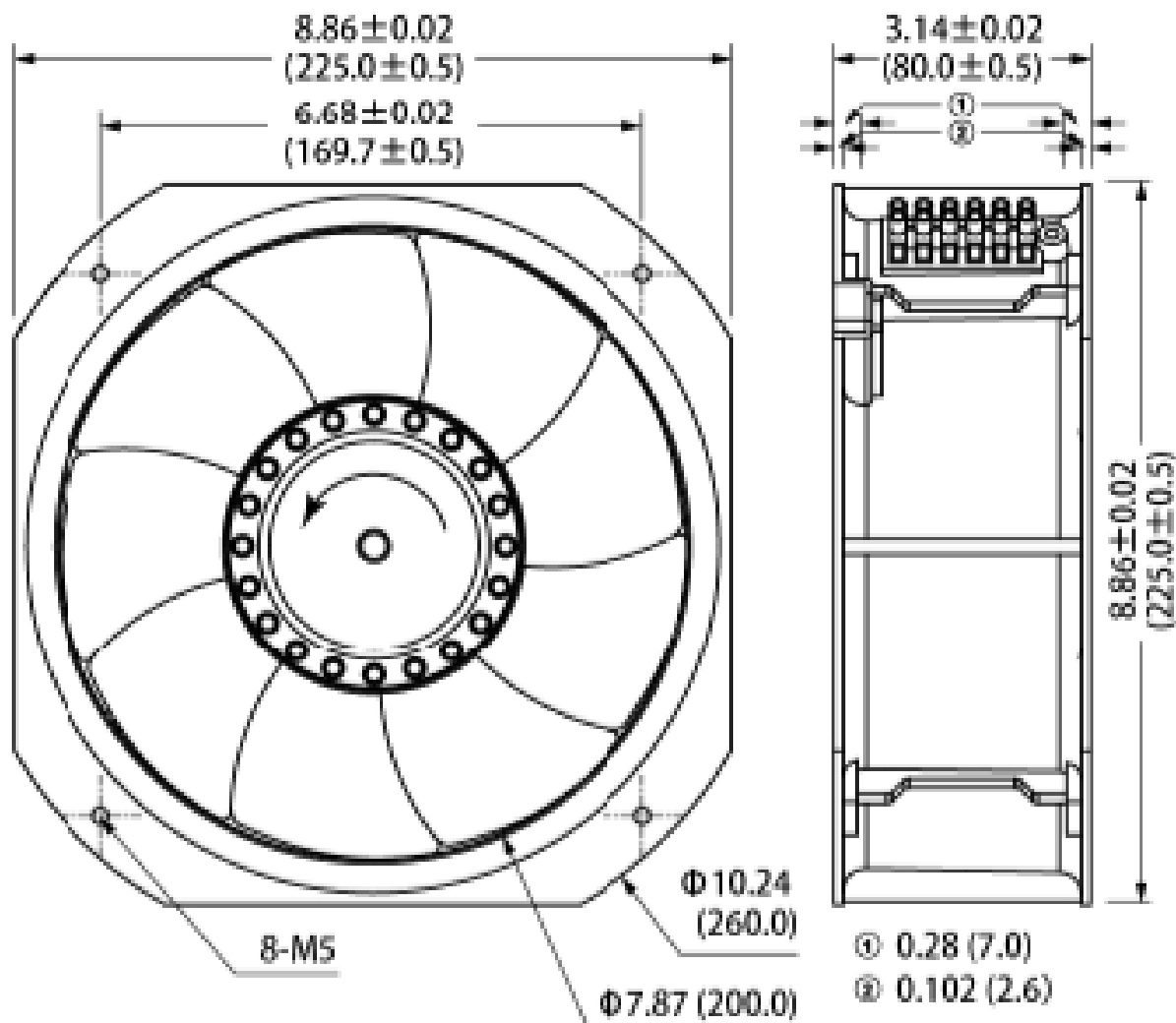


Figure 1

### 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



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### D.) PERFORMANCE CHARACTERISTICS

AIR FLOW:

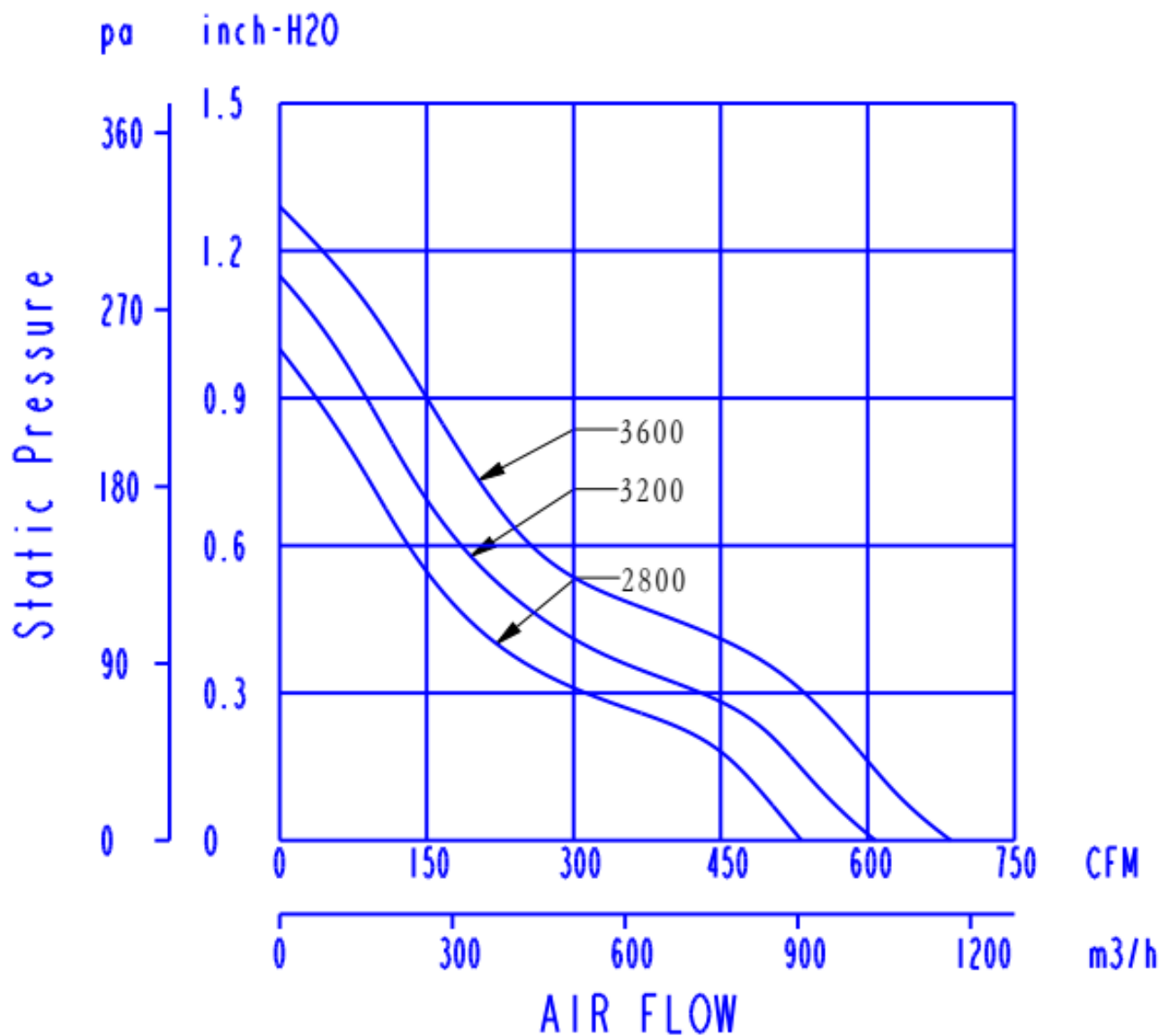
532 CFM  $\pm$  5%  
(Measuring at zero static pressure)

STATIC PRESSURE:

1.00" Inches of H<sub>2</sub>O  
(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°C        | 60,000 |
|              | 40°C        | 50,000 |
|              | 60°C        | 40,000 |
|              | 90°C        | 20,000 |

### G.) SAFETY

UL, CUL, CE

### H.) FLAMMABILITY

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