Comair Rotron Specification Sheet

Specification Date: Oct 20, 2017
ERP 2015 Compliant
Version：01

COMAIR ROTRON PART NUMBER: 17000540A
COMAIR ROTRON MODEL NUMBER: CR8025EC-4500

A.) MOTOR:

RATED VOLTAGE:	100~240VAC±10%
OPERATING VOLTAGE RANGE:	90~264VAC
LOW-START VOLTAGE:	80VAC
MAX. RUNNING CURRENT:	0.48 Amps
OPERATING FREGUENCY:	50~60Hz
INPUT POWER:	5 Watts
NOMINAL SPEED:	4,500 RPM ±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:	80mm x80mm x 25mm (3.15” x 3.15” x 0.984”) *Figure 1*
WEIGHT:	175g (0.386 Lbs.)
BEARING TYPE:	Permanently Lubricated Ball Bearings
VENTURI:	Die Cast magnesium alloy, ED coating and powder coating
PROPELLER:	P.B.T+30%GF(Glass fiber) UL 94V-0

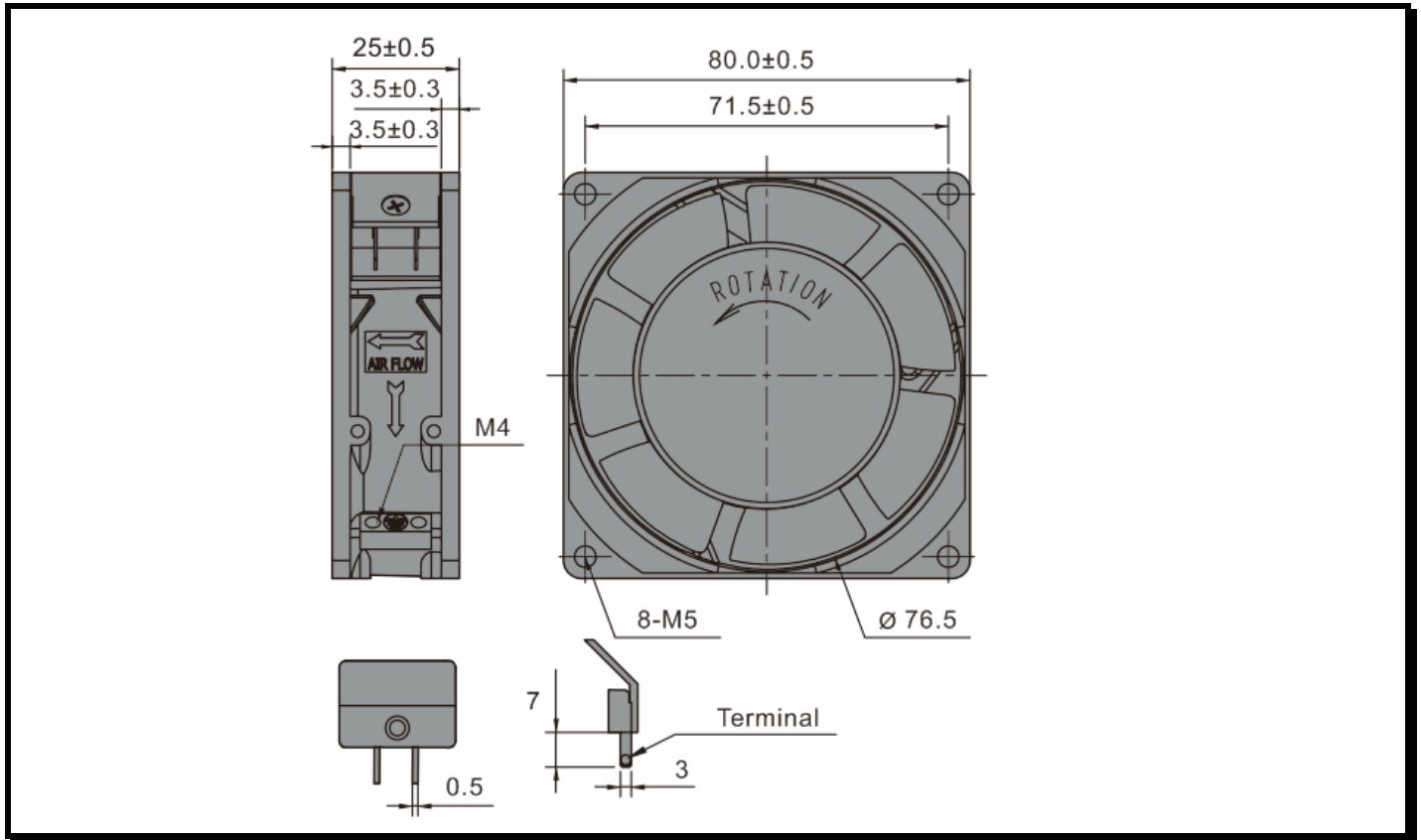Figure 1

C.) ENVIRONMENTAL

OPERATING TEMPERATURE: -20°C to +70°C

STORAGE TEMPERATURE: The storage temperature will be suggested at -20℃ ~ 50℃ to ensure a better performance.

HUMIDITY: 20 to 85% RH, non-condensing

ENVIROMENTAL SHIELD: IP44

D.) PERFORMANCE CHARACTERISTICS

AIR FLOW: 53 CFM ± 5%
(At Free Delivery and MAX. speed)

STATIC PRESSURE: 0.25" Inches of H20
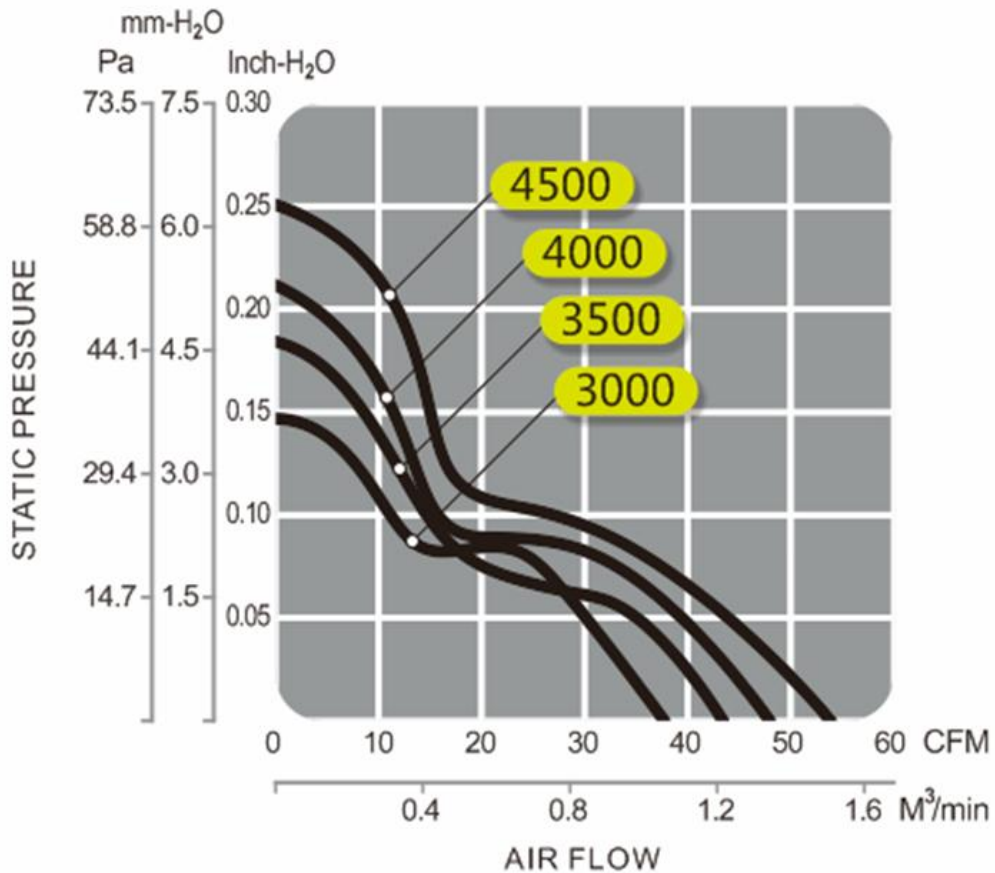(At Shut-Off and MAX. speed)

ACOUSTIC LEVEL: 45 dBA Max. at MAX. speed
                                                   (Measured via Freely Suspended at 1 meter)

E.) TERMINATION

Joint terminal: suit with 22AWG 1007# Wire
                                                   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

K.) FLAMMABILITY

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