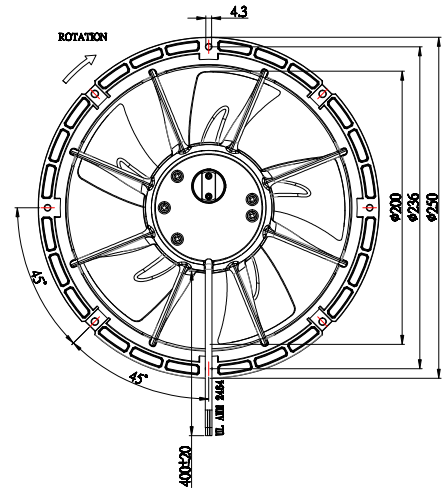
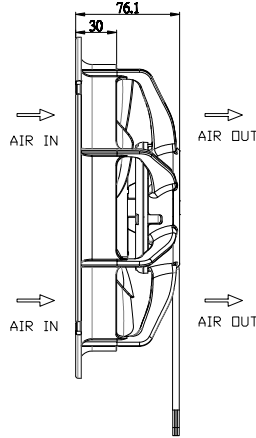


OA200EC Series



EC Fan Dual Speed - 115V, 230V
250 x 76mm (9.85"x 3.0")



Frame	PBT UL94V-0 Plastic	<u>Operating Temperature</u> Ball Bearing -25C ~ +50C (non-condensing) Storage Temp -40C ~ +80C <u>Life Expectancy</u> Ball Bearing 40,000 hours (L10 at 40C) IP55 Rated Weight: ~ 2.20 lbs. m2
Impeller	Metal	
Connection	3x Lead wires Black (line), Blue (neutral), Brown (speed)	
Motor	Brushless EC motor, electronically protected	
Bearing System	Dual ball	
Insulation Resistance	>100M ohm between lead- wire and frame (500VDC)	
Dielectric Strength	1 min at 1,500 VAC, 50/60Hz	

Performance Curves

The graph displays two performance curves for a fan. The y-axis represents static pressure in inches of water (inAq), ranging from 0 to 0.5. The x-axis represents airflow in cubic feet per minute (CFM), ranging from 0 to 600. Curve 1 (red line with circles) represents 115V operation at 50 Hz, and Curve 2 (blue line with squares) represents 115V operation at 60 Hz. Both curves show a decrease in static pressure as airflow increases. Curve 2 is consistently higher than Curve 1, indicating better performance at 60 Hz. The curves intersect at approximately 400 CFM and 0.12 inAq.

CFM	inAq (50 Hz)	inAq (60 Hz)
0	0.45	0.48
50	0.40	0.42
100	0.35	0.38
150	0.30	0.34
200	0.25	0.30
250	0.20	0.26
300	0.15	0.22
350	0.12	0.18
400	0.10	0.12
450	0.05	0.05
500	0.00	0.00

Part Number	Speed* (RPM)	Airflow (CFM)	Noise (dB)	Volts AC	Nominal Current	Watts	Max. Static Pressure ("H ₂ O)	Curves
OA200EC-11-1WB	1,400	290	44	115	0.13	8	0.28	2
	2,200	460	55		0.40	26	0.46	1
OA200EC-22-1WB	1,400	290	44	230	0.08	8	0.28	2
	2,200	460	55		0.24	26	0.46	1

* Speed (RPM) can be factory programmed

Noise, power and static pressure values will change per requirement

MOTOR WIRING DIAGRAMS

