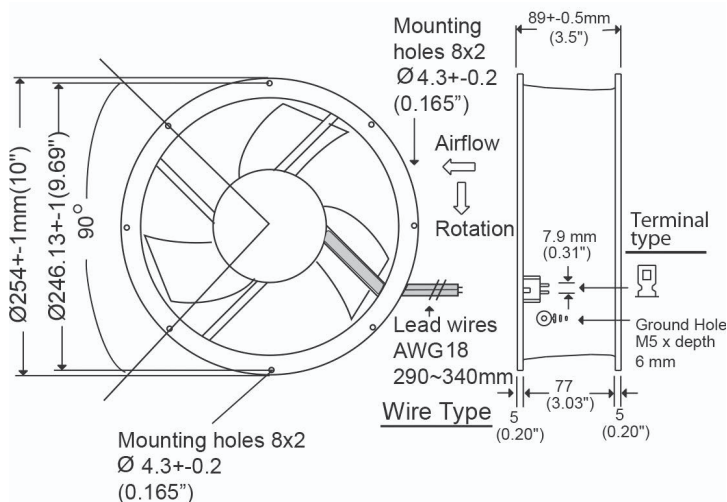


OA2543 Series - All Metal



AC Fan - 115V, 230V
254 x 89mm (10.0" x 3.5")



Frame	Diecast Aluminum	<u>Operating Temperature</u> Ball Bearing -30C ~ +80C (non-condensing) <u>Storage Temp</u> -40C ~ +100C
Impeller	Metal Alloy	
Connection	2x Lead Wires 18 AWG or terminals	
Motor	AC Capacitor Induction, thermally protected	<u>Life Expectancy</u> Ball Bearing 50,000 hours (L10 at 55C) Environmental Protection IP56
Bearing System	Dual ball bearing	Weight: ~ 4.7 lbs m0
Insulation Resistance	>100M ohm between lead-wire and frame (500VDC)	
Dielectric Strength	1 min at 1500 VAC, 50/60Hz	

The graph plots Static Pressure H₂O (mm inch) on the y-axis against Air Flow (cfm and m³/min) on the x-axis. Two sets of curves are shown: 50Hz (dotted lines) and 60Hz (solid lines). The curves represent different fan configurations, with data points labeled 1 through 10. The 60Hz curves generally show higher static pressure than the 50Hz curves for the same air flow. The curves are labeled 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10, with 1 and 2 being the highest pressure curves and 9 and 10 being the lowest.

Air Flow (cfm)	Air Flow (m ³ /min)	Static Pressure H ₂ O (mm inch) - 50Hz	Static Pressure H ₂ O (mm inch) - 60Hz
0	0	25.0	30.0
100	3	22.0	27.0
200	6	18.0	23.0
300	9	14.0	19.0
400	12	10.0	15.0
500	15	7.0	11.0
600	18	5.0	8.0
700	21	3.0	5.0
800	24	1.0	2.0
900	27	0.0	0.0

Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts AC	Voltage Range	Watts	Max. Static Pressure ("H ₂ O)	Curves
OA2543AN-11-1 * 1856	2800 3300	800 930	67	115	100~120	95 105	0.96 1.07	2 (50Hz) 1 (60Hz)
OA2543AN-11-2 * 1856	2300 2250	670 615	56	115	100~120	80 95	0.25 0.20	4 (50Hz) 3 (60Hz)
OA2543AN-11-3 * 1856	1500 1700	400 450	49	115	100~120	32 40	0.22 0.28	6 (50Hz) 5 (60Hz)
OA2543AN-22-1 * 1856	2800 3300	800 930	67	230	200~240	95 105	0.96 1.07	2 (50Hz) 1 (60Hz)
OA2543AN-22-2 * 1856	2300 2250	670 615	53	230	200~240	80 95	0.25 0.20	4 (50Hz) 3 (60Hz)
OA2543AN-22-3 * 1856	1500 1700	400 450	48	230	200~240	32 40	0.22 0.28	6 (50Hz) 5 (60Hz)

* Indicate "TB" for terminal type or "WB" for lead wires