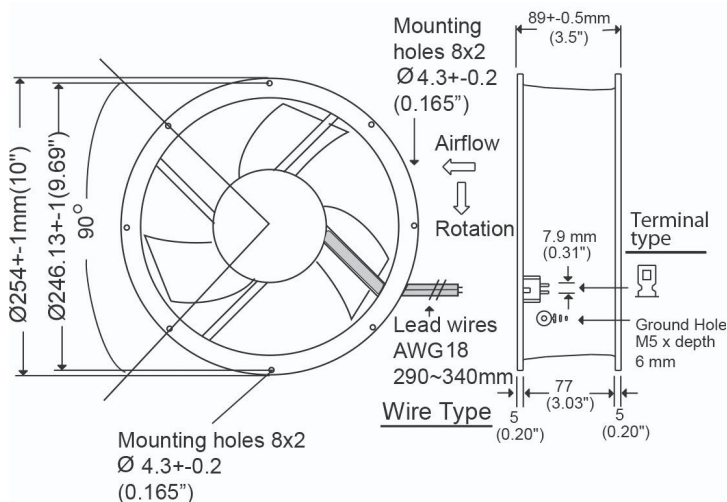


OA2543 Series - All Metal



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 are labeled with model numbers: 2, 4, 6, 1, 3, and 5. Model 2 has the highest static pressure, while model 5 has the lowest. The 60Hz curves generally show higher static pressure than the 50Hz curves for the same model.

Model	Frequency	Air Flow (cfm)	Static Pressure H ₂ O (mm inch)
2	60Hz	0	25.0
2	60Hz	200	20.0
2	60Hz	400	15.0
2	60Hz	600	10.0
2	60Hz	800	5.0
2	60Hz	1000	0.0
4	60Hz	0	5.0
4	60Hz	200	3.0
4	60Hz	400	1.5
4	60Hz	600	0.5
4	60Hz	800	0.0
6	60Hz	0	2.0
6	60Hz	200	1.0
6	60Hz	400	0.5
6	60Hz	600	0.2
6	60Hz	800	0.0
1	60Hz	0	1.0
1	60Hz	200	0.5
1	60Hz	400	0.2
1	60Hz	600	0.1
1	60Hz	800	0.0
3	60Hz	0	0.5
3	60Hz	200	0.2
3	60Hz	400	0.1
3	60Hz	600	0.0
5	60Hz	0	0.2
5	60Hz	200	0.1
5	60Hz	400	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

Mouser Electronics

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Orion Fans:

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