



AMCA International Laboratory - Arlington Heights, IL USA
Testing Facility Capacities

AMCA 210	Small Chamber	Large Chamber
Figure 12 Max Outlet Area - Perpendicular Rotation	2.64 ft ²	21.04 ft ²
Figure 12 Max Outlet Area - Parallel Rotation (Vane Axial Fans Only)	1.5 ft ²	11.84 ft ²
Figure 12 Max Outlet Area - Parallel Rotation	0.95 ft ²	7.58 ft ²
Figure 15 Max Inlet Area - Any Rotation	4.75 ft ²	37.53 ft ²
Max Airflow at 0 in. wg	11,500 cfm	68,000 cfm (Figure 12) 88,000 cfm (Figure 15)
Max Static Pressure	44 in. wg	22 in. wg.
Max Brake Horsepower	40 HP @ 2700	40 HP @ 2700 75 HP @ 1800
Max Dynamometer Speed	2700 RPM	1800 RPM (75 HP) 2700 RPM (All Others)
Electric Motor (60 Hz)	56 Amps, 480 Volts	56 Amps, 480 Volts
Electric Motor (50 Hz)	52 Amps, 420 Volts	52 Amps, 420 Volts

AMCA 500		
Duct Sizes Round (In)	12	24, 36
Duct Sizes Rectangle (In)	12x12	24x24, 36x36, 12x48
Figure 5.1, 5.2, 5.3 Max Free Area	1 ft ²	9 ft ²
Figure 5.4 Max Free Area	1.58 ft ²	12.63 ft ²
Figure 5.5 Max Free Area	7.92 ft ²	62.56 ft ²

AMCA 610		
Duct Sizes Round (In)	12	24, 36
Duct Sizes Rectangle (In)	12x12	24x24, 36x36, 12x48
Figure 1, 2, 3 Max Free Area	1 ft ²	9 ft ²
Figure 4 Max Free Area	1.58 ft ²	12.63 ft ²
Figure 5 Max Free Area	7.92 ft ²	62.56 ft ²

AMCA 300									
Max Volume of Test Unit with Ductwork	Reverb Room 1 604 ft ³			Reverb Room 2 365 ft ³			Reverb Room 4 63 ft ³		
Frequency	63	125	250	500	1000	2000	4000	8000	LwA
Approx Min Fan Lw Reverb Room 1 (dB)	62	56	59	43	35	35	37	44	53
Approx Min Fan Lw Reverb Room 2 (dB)	58	45	35	36	27	26	32	38	41
Approx Min Fan Lw Reverb Room 4 (dB)	33	38	29	20	18	20	23	28	31