

The New York Blower Company

Fan-to-Size
Fan Selection Data

Project:	
Location:	
Contact:	

Fan Tagging: FARR APC

Fan Design

Product:	Pressure Blower	Arrangement:	4V
Size/Model:	2210A	Drive type:	Direct
Wheel Type:	Aluminum		
Wheel Material:	Aluminum		
Wheel Width:	100.0 %	Wheel Diameter:	100.0 %

Operating Conditions

Volume Flow Rate:	0 CFM	Fan Speed:	1750 rpm
Fan Static Pressure:	0.00 in wg	Fan Input Power:	0.000 bhp
Outlet Velocity:	0 ft/min		
Altitude (above mean sea level):	0 ft	Operating Temperature:	70 Deg F
Operating Inlet Airstream Density:	0.0750 lb/ft ³		
Static Efficiency:	0.00%	Mechanical Efficiency:	0.00%
Maximum Operating Temperature:	70 Deg F	Maximum Safe Operating Speed:	3900 rpm

Sound Power Level Ratings

Levels expressed in dB (power levels reference 10⁻¹² watts)

Center Frequency (Hz):	63	125	250	500	1000	2000	4000	8000	
Octave Bands:	1	2	3	4	5	6	7	8	Overall
Total Fan Power Levels*:	79.5	81.5	79.5	81.4	79.5	76.5	73.5	72.4	88.
Inlet Power Levels**:	76.5	78.5	76.5	78.4	76.5	73.5	70.5	69.4	85.
Outlet Power Levels**:	76.5	78.5	76.5	78.4	76.5	73.5	70.5	69.4	85.

*As corrected for point of operation (location on fan curve)

**Unsilenced Inlet and Outlet power ratings are 3 dB lower than total fan power levels under the assumption that "half" of the sound power can be attributed to each opening. Silenced power ratings include this 3 dB reduction as well as the silencer attenuation.

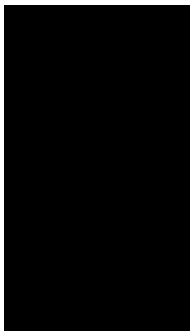
Estimated Sound Pressure Levels

Expressed in dB (pressure levels reference 2x10⁻⁷ microbar)

Directivity/Reflection Factor (Q) is 2, hemispherical radiation; Distance is 5 ft.; A-weighting is in use.

The estimated sound pressure level outside the fan due to an open inlet OR outlet is 69.9 dBA at 5.0 feet. The estimated sound pressure level outside the fan when BOTH inlet and outlet are ducted is 59.2 dBA at 5.0 feet (Housing Radiated Noise).

Your Representative:
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The New York Blower Company certifies that the Pressure Blower fan is licensed to bear the AMCA Air Performance Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings program.

AMCA Licensed for Air Performance without Apurtenances (Accessories). Power (bhp) excludes drives.

Performance certified is for installation type: B - free inlet, ducted outlet.