



AJR

Axial Impulse Jet Fan

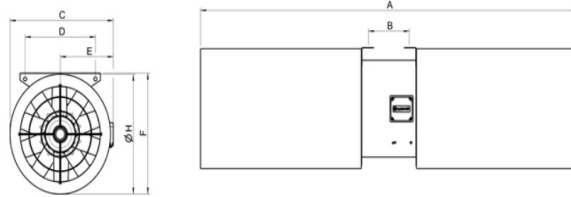
Our AJR Series of Axial Impulse Jet Fans are designed to optimize Sweep Ventilation Systems and reduce costly exhaust ducting in enclosed and underground parking garages. Using the combined performance factors of Airflow, Thrust, Throw, and Induction, the AJR fully implements an Extraction Ventilation Strategy to more effectively reduce CO levels compared to traditional garage ventilation designs.

The AJR-Q is designed for standard temperature ventilation applications, addressing one of the most common challenges of axial jet fans by reducing objectionable fan and airflow noise while enhancing overall performance. For projects requiring smoke control, the AJR-B is engineered for hot smoke extraction applications, providing reliable operation under elevated temperature conditions while maintaining the performance characteristics required for emergency ventilation systems.



Systemair Mfg. Inc. certifies that the AJR series shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Dimensions



Dimensions are in inches (mm)

Model	A	B	C	D	E	F	H
AJR 355	66.8 (1697)	8.3 (211)	18.5 (470)	12 (305)	9.4 (239)	18.3 (465)	18.1 (460)
AJR 400	73.6 (1869)	8.3 (211)	20.2 (513)	13.8 (351)	10.3 (351)	19.9 (506)	19.8 (503)

Performance Data

Item #	Model	V/~	Amperage	Frequency	Input Power	Flow Rate ¹				Octave bands Sound Power Levels, Lw [dB] ²								Total Sound dB (A) ³
			A	Hz	kW	RPM	Airflow	Thrust	Thrust/ Fan Input Power	63	125	250	500	1000	2000	4000	8000	
							CFM	N	N/kW									
549113	AJR 355-B-TR	230/3	5.20	60	2.65	3476	4152	46.3	26.2	84	81	91	79	73	77	70	67	67.3
549114		460/3	2.6															
484240	AJR 355Q	230/3	5.4	60	1.79	3500	4094	44.3	24.8	61	74	84	87	80	85	80	74	74
484241		460/3	2.7															
549115	AJR 400-B-TR	230/3	7.9	60	2.74	3463	5819	73.4	26.8	86	81	83	86	78	81	74	70	71.4
549116		460/3	4.0															
484242	AJR 400 Q	230/3	7.7	60	2.65	3500	5955	74	27.9	61	74	86	88	80	88	83	79	75
484243		460/3	3.9															

1. The AMCA Certified Ratings Seal applies to airflow rate at free delivery only. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of inlet and outlet guards.
2. Values shown are for total sound power levels (Lw) for Installation Type A: free inlet, free outlet. The Sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA Standard 301.
3. The sound pressure values (LpA) shown are based on a hemispherical free field at 3.0 m (10 ft). dB(A) levels are not licensed by AMCA international.