

**Reinventing
Technology**



Induction Jet Fan

Features

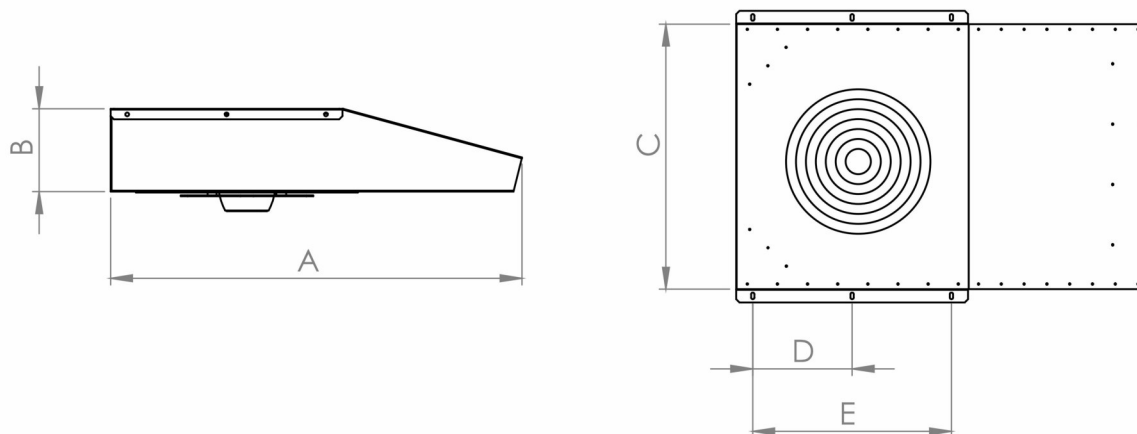
- **Direct Driven Type.**
- **High Air Performance.**
- **Single Speed & Dual Speed Options.**
- **Tested in accordance with BS EN 12101-3 for 250° C / 120 Mins, 300° C / 120 Mins.**
- **Compact Housing design, Ideal solution for Car Park with low ceiling height.**
- **Long distance throw, High Thrust.**
- **Suitable for Basement Car Park, Tunnel & Industrial Ventilation.**



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Model	CMH	Outlet Velocity (M/S)	Thrust Force (N)	Speed (RPM)	Motor (KW)	Noise Level @ 3 m db(A)	Voltage	Phase	Frequency
AFJF - R-50	3600 - 7200	10.90 - 20.90	13 - 50	750 - 1500	0.30 - 1.50	50 - 66	415 ± 10%	3	50 Hz
AFJF - R-75	4600 - 9200	11.60 - 23.40	19 - 70	750 - 1500	0.55 - 2.30	51 - 70	415 ± 10%	3	50 Hz
AFJF - R-100	5600 - 11200	13.10 - 26.20	25 - 98	750 - 1500	0.55 - 2.30	54 - 71	415 ± 10%	3	50 Hz

Dimensions



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
AFJF - R-50	1335	310	800	300	600
AFJF - R-75	1600	355	930	300	600
AFJF - R-100	1660	355	1000	300	600

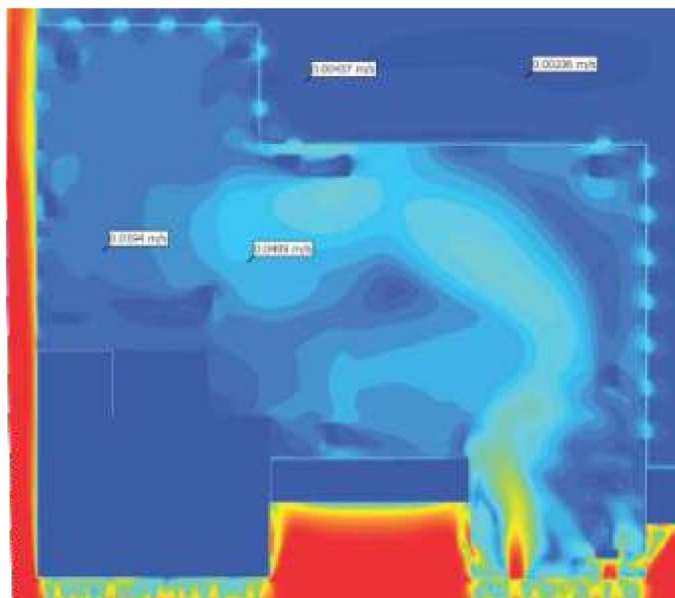
CFD Simulation

CFD analysis is required for fire and smoke modeling in basement car park structure to ensure effective ventilation under normal and emergency situations.

It is applied to ascertain the proper movement of air across the entire area to secure the recommended Air Changes Per Hour (ACPH) to count the required number of Jet Fans; and to find the location where installation of Jet Fan is required.

To perform CFD analysis, a 3-D model of building site with adequate details on number of openings, type of surface of the ceiling viz. flat or drop beams with dimensions, slab height, etc. are sought.

We at Air Flow, blend our proven designs with new technology and provide innovative ventilation solutions. With extensive experience in the field, Air Flow provides complete CFD analysis, consultancy, support and services to stimulate proper flow of air at reasonable cost.



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