

CFD
series



3 Speed Direct Drive Cabinet Fan



Zhongshan SAIVER WELAIRE Air-Cond. Equip. Co., Ltd. certifies that the model: CFD 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.



3 Speed Direct Drive Cabinet Fan

Introduction

CFD SERIES is direct drive cabinet fan specially designed for residential and commercial application. It produces high air volume at high static with low operating sound.

Suitable for:

Condominium

Apartment
Bedroom
Toilet

Office

Meeting room
Waiting room
Show room

Restaurant

Dining room
Banquet room
Reception

Range

- CFD 7/8, CFD 8/8, CFD 9/9, CFD10/10

Features & Benefit

- **3 speeds** are available for user selection
- **In-line application**
- No need regular belt tension adjustment thus save trouble and maintenance cost
- Low installation cost

Casing

- **Material** : GI Sheet Metal
- Inspection ports are provided on both sides of cabinet
- **Optional items:**
 - 1) Powder coating
 - 2) Internal insulation with rockwool and perforated aluminum foil for sound attenuation

Impeller

- **Material** : GI Sheet Metal
- **Type** : Double inlet Double Width (DIDW)
Forward curve centrifugal **sirocco** fan

Motor

- High efficiency 3 speed condenser motor
- Permanently lubricated ball bearing ensuring reliable and maintenance free operation
- Built-in thermal protective device

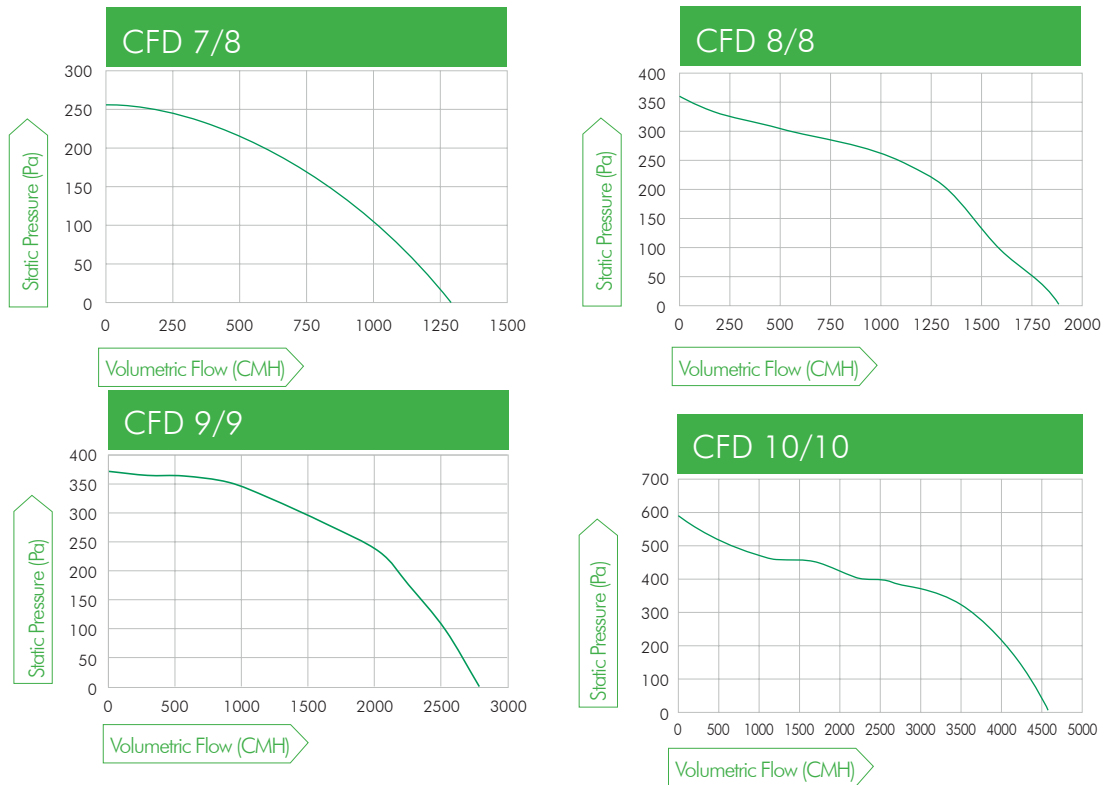


Conversion Table

Air Flow

L/s	m ³ /hr	m ³ /s	CFM
1	3.6	0.001	2.119
0.278	1	0.278x10 ⁻³	0.588
1000	3600	1	2119
0.063	0.227	0.063x10 ⁻³	0.1337
0.472	1.7	0.472x10 ⁻³	1

Performance Curves



Air Change Required per Hour

Home	Kitchen	15	Ordinary Building	Office	6
	Bathroom and toilet	10		Waiting Room	10
	Living Room	6		Conference Room	12
Hotel	Ballroom	8	School	Exhibition Hall	10
	Dining room	8		Chemical Laboratory	6
	Kitchen	15		Auditorium	6
	Corridor	5		Gymnasium	8
	Toilet	10		Library	6
Industrial Plant	General Working Area	6	Theatre	Classroom	6
	Painting Area	20		Auditorium	6
	Generator Room	20		Corridor	6
Restaurant	Dining room	6		Smoking Room	12
	Kitchen	20		Projection Room	20
	Banquet Hall	10			

Electrical Data

Material	CFD7/8	CFD 8/8	CFD 9/9	CFD 10/10
Speed	High	High	High	High
Volt/Phase/Hz	240/1/50	240/1/50	240/1/50	240/1/50
Maximum Power Input Watts	252	389	845	1495
Airflow (CMH)	1294	1884	2790	4582
Amps	1.40	2.10	3.97	6.60
RPM	1453	1363	1359	1352
LwA dB(A)	70	75	80	80
LpA dB(A) at 3m	49	54	58	59
Weight (kg)	17.8	18.8	25.5	30.8



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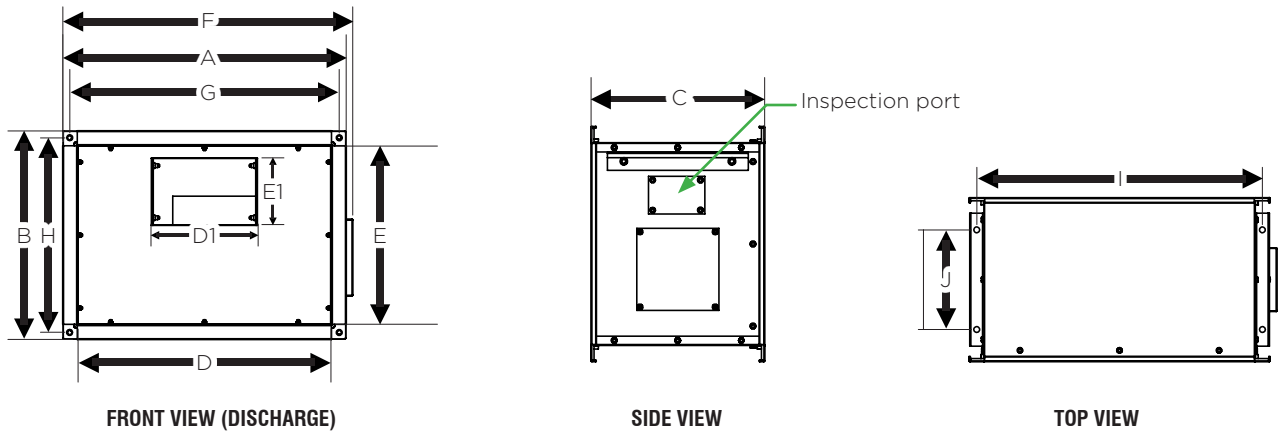
* Speed (RPM) shown is nominal. Performance is based on actual speed of test.

* LPA-DBA levels are not licensed by AMCA International

* Performance certified is for installation type D-ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories)

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for Inlet LwA sound levels for installation type D ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Dimensions (mm)



MODEL	A	B	C	D	E	F	G	H	I	J	FAN OUTLET	
											D1	E1
CFD 7/8	681	371	321	608	298	697	648	338	646	200	238	85
CFD 8/8	501	500	370	431	430	517	467	466	686	225	282	143
CFD 9/9	690	520	450	619	450	706	656	486	656	200	282	143
CFD 10/10	768	570	500	698	500	785	734	536	734	300	334	292

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Specification subject to changes without prior notice.

