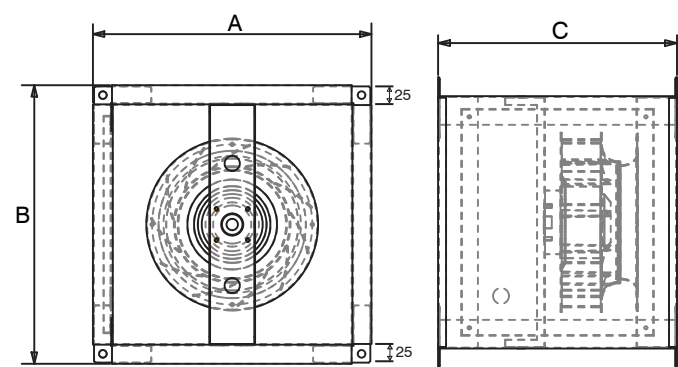


Dimension (mm)



MODEL	A	B	C	WEIGHT
CFQ 280	440	440	300	9.4
CFQ 315	490	490	360	11.0
CFQ 400	610	610	440	26.0



Accessories

Inlet Grille

	GR06	GR08
A	210	250
B	84	67
C	145	195

Inlet Grille

	GAQ04	GAQ06
A	290	345
B	20	26
C	168	192
D	100	147
Ceiling Opening	245 x 230	310 x 295

Inlet Grille

	GRS06	GRS08
A	210	250
B	84	67
C	145	195

Outlet Grille

	GA4CG	GA6CG
A	110	202
B	110	202
C	76.5	66
D	60	26



Centrifugal In-Line Cabinet Fan
Backward Curve CIL



GTG Industries Sdn Bhd
(912584-W)
No. 13, Jalan Astaka U8/88B
Seksyen U8, Bukit Jelutong
40150 Shah Alam, Selangor.
TEL +603-7859 0213/0216/0217 FAX +03-7859 0218
EMAIL inquiry@gtg.com.my WEBSITE www.gtg.com.my





CIL Cabinet Fan

Introduction

CFQ Series is specially designed for residential and commercial application, it produces high air volume at high static with low operating noise.

Suitable for:

Condominium	Office	Restaurant
Kitchen	Meeting room	Dining room
Toilet	Toilet	Kitchen

Range

CFQ 280, CFQ 315, CFQ 400.

Features

- In-Line application
- Suitable for installation with duct
- Easy installation
- Equipped with external rotor motor
- Compact in size

Specification

Casing

- Material: GI Sheet Metal
- Optional Items:
 - 1) Powder coating
 - 2) Internal insulation with open cell PE for sound attenuation

Impeller

- Material: Aluminium
- Type: Backward curve centrifugal

Motor

- High efficiency external rotor motor
- Permanently lubricated ball bearing ensuring reliable and maintenance free operation
- Built-in internal protective device
- Insulation : Class F
- IP 54



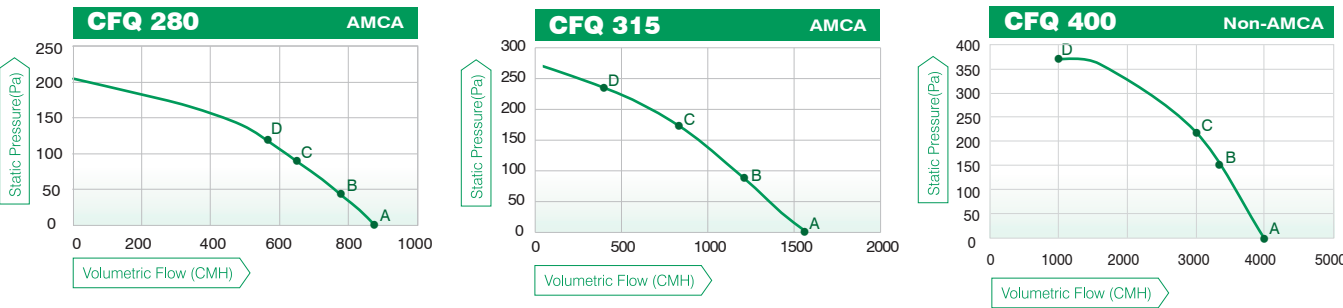
Accessories (optional)	
Inlet Grille  • GR06 (For 6" Duct) • GR08 (For 8" Duct)	Inlet Grille  • GAQ 04 (For 4" Duct) • GAQ 06 (For 6" Duct) - (c/w Saranet Filter)
Inlet Grille  • GRS06 (For 6" Duct) • GRS08 (For 8" Duct)	Outlet Grille  • GA4CG (For 4" Duct) • GA6CG (For 6" Duct)

Conversion Table

Air Flow

L/s	m³/hr	m³/s	CFM
1	3.6	0.001	2.119
0.278	1	0.278 x 10 ⁻³	0.588
1000	3600	1	2119
0.063	0.227	0.063 x 10 ⁻³	0.1337
0.472	1.7	0.472 x 10 ⁻³	1

Performance Curves



* The sound power level of A, B, C and D, please refer technical data below.

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
Restaurant	Generator Room	20		Corridor	6
	Dining room	6		Smoking Room	12
	Kitchen	20		Projection Room	20
	Banquet Hall	10			

Conversion Table

Static Pressure

psi	kg/cm²	W.G.		Pascal (pa)
		(in.)	(ft.)	
1	0.07	27.7	2.309	0.69 x 10 ⁴
14.22	1	394.08	32.84	9.81 x 10 ⁴
3.61 x 10 ⁻²	2.538 x 10 ⁻³	1	0.083	248.84
1.45 x 10 ⁻⁴	0.1 x 10 ⁻⁴	0.004	3.349 x 10 ⁻⁴	1

Technical Data

Model		CFQ 280	CFQ 315	CFQ 400
Volt / Phase / Hz		230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Max Motor Input (W)		94.6	145	560
Air Flow (CMH) , Max		810	1570	4000
Static Pressure (Pa) , Max		189	274	360
Amps (A)		0.46	0.62	2.46
RPM		1410	1370	1350
Sound Power dB(A)	Point A	67	74	75
	Point B	65	73	72
	Point C	63	73	70
	Point D	63	72	69
Sound Pressure dB(A) at 3m	Point A	46	53	54
	Point B	44	52	52
	Point C	42	52	49
	Point D	42	51	48

*Speed (RPM) shown is nominal. Performance is based on actual speed of test.
*Sound Pressure-dB(A) at 3m 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 power ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA Sound power levels for installation type D ducted inlet, ducted outlet.
*Ratings include the effects of duct end correction
*Models of CFQ 400 not licensed to bear the AMCA certified ratings seal for sound performance.



GTG Industries Sdn Bhd certifies that model CFQ280, CFQ315 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. Models CFQ400 are not licensed by AMCA International.