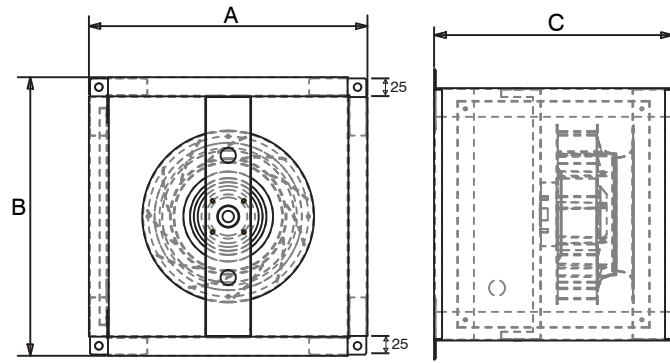


Dimension (mm)

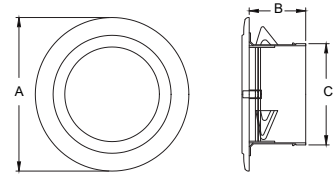


MODEL	A	B	C	WEIGHT
CFQ 225	365	365	300	6.7
CFQ 280	440	440	300	9.4
CFQ 315	490	490	360	11.0
CFQ 400	610	610	440	26.0
CFQ 500	750	750	520	42.5



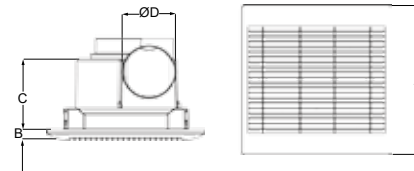
Accessories

Inlet Grille



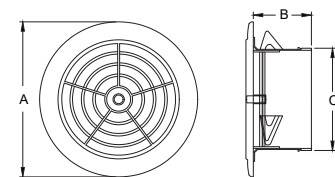
	GR06	GR08
A	210	250
B	84	67
C	145	195

Inlet Grille



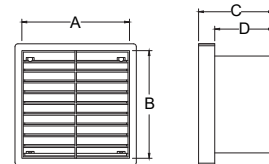
	GAQ04	GAQ06
A	290	345
B	20	26
C	168	192
D	100	147
Ceiling Opening	245 x 230	310 x 295

Inlet Grille

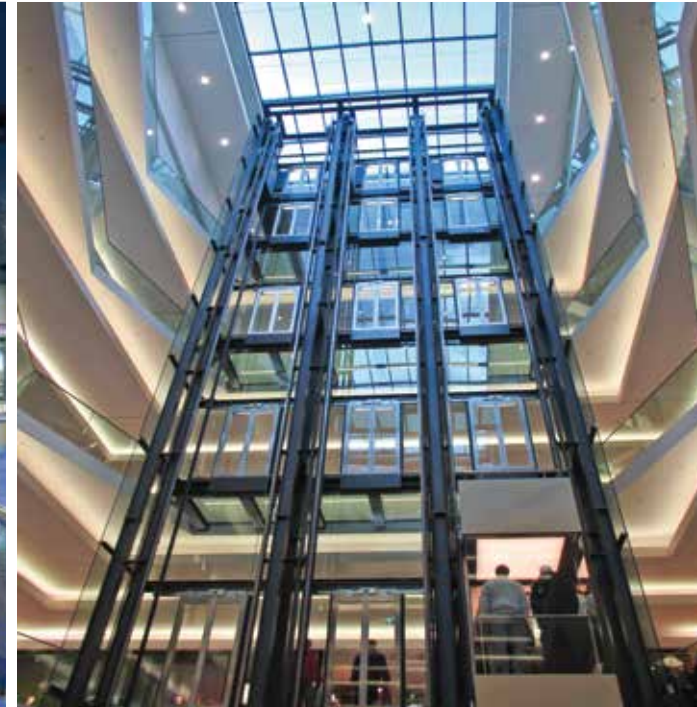
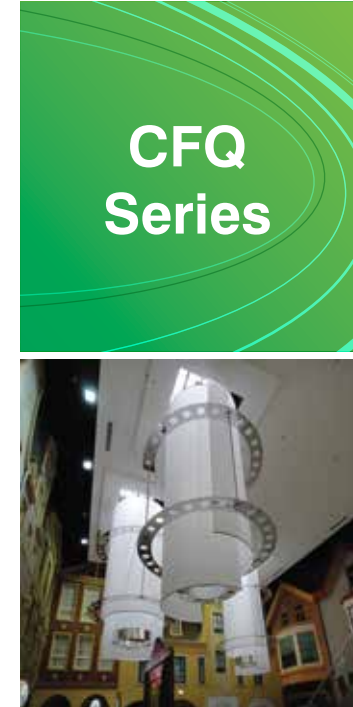


	GRS06	GRS08
A	210	250
B	84	67
C	145	195

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)
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 Seksyen U8, Bukit Jelutong
 40150 Shah Alam, Selangor.
 TEL +603-7859 0213/0216/0217 FAX +03-7859 0218
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Specification subject to change without prior notice

ID : CFQ / G1 / 30102023
 NOVEMBER 2023

ID : CFQ / G1 / 30102023
 NOVEMBER 2023



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 225, CFQ 280, CFQ 315, CFQ 400, CFQ 500.




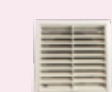
- Features**
- In-Line application
 - Suitable for installation with duct
 - Easy installation
 - Equipped with external rotor motor
 - Compact in size

- Specification**
- Casing**
- Material: GI Sheet Metal
 - Optional Items:
 - 1) Powder coating
 - 2) Internal insulation with open cell NBR 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

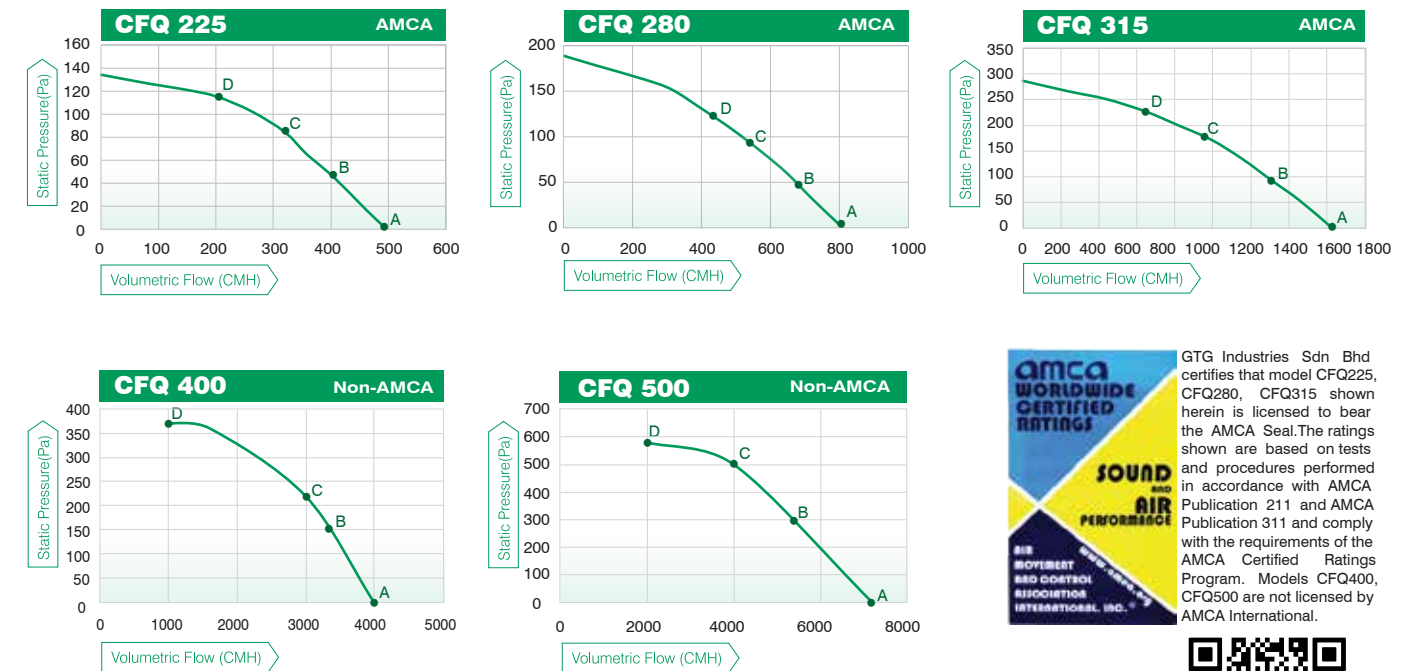


Accessories (optional)	
<p>Inlet Grille</p>  <ul style="list-style-type: none"> • GR06 (For 6" Duct) • GR08 (For 8" Duct) 	<p>Inlet Grille</p>  <ul style="list-style-type: none"> • GAQ 04 (For 4" Duct) • GAQ 06 (For 6" Duct) -c/w Saranet Filter
<p>Inlet Grille</p>  <ul style="list-style-type: none"> • GRS06 (For 6" Duct) • GRS08 (For 8" Duct) 	<p>Outlet Grille</p>  <ul style="list-style-type: none"> • GA4CG (For 4" Duct) • GA6CG (For 6" Duct)

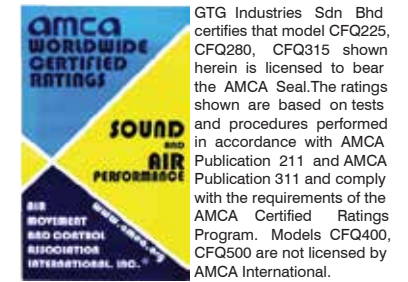
Conversion Table Air Flow

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	Chemical Laboratory	6
	Dining room	8		Auditorium	6
	Kitchen	15		Gymnasium	8
	Corridor	5		Library	6
Industrial Plant	Toilet	10	Theatre	Classroom	6
	General Working Area	6		Auditorium	6
	Painting Area	20		Corridor	6
Restaurant	Generator Room	20	Kitchen	12	
	Dining room	6	Banquet Hall	10	
				Projection Room	20

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 225	CFQ 280	CFQ 315	CFQ 400	CFQ 500
Volt / Phase / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Max Motor Input (W)	52	94.6	150	560	1550
Air Flow (CMH)	497	810	1631	4000	7200
Static Pressure (Pa)	134	189	287	360	580
Amps (A)	0.23	0.46	0.68	2.46	6.8
RPM	1430	1410	1370	1350	1250
Sound Power dB(A)	Point A	67	67	73	75
	Point B	65	65	71	72
	Point C	65	63	69	70
	Point D	65	63	69	69
Sound Pressure dB(A) at 3m	Point A	47	46	52	54
	Point B	44	44	50	52
	Point C	44	42	48	49
	Point D	45	42	49	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 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 and CFQ 500 are not licensed to bear the AMCA certified ratings seal for sound performance.