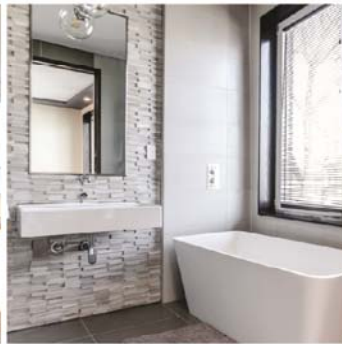


**EC-GCIL
Series**



EC Centrifugal In-Line Fan





EC Centrifugal In Line Fan

Introduction

EC Centrifugal In Line Fan is designed with **energy saving** as main feature to cater high air flow and static pressure requirements.

It is light weight and has excellent performance to sound level ratio. The uniquely designed **external rotor EC motor** has higher efficiency over a range of speeds compare to an AC inline fan, a savings of average 50% in energy consumption can be achieved. It is higher in efficiency and lower in sound and vibration. With the **Built-in Speed Controller**, the fan speed can be adjusted at site in accordance to actual requirements.

Range

EC-GCIL 100 to EC-GCIL 315, total 6 models

Features

- **Energy saving**
- Speed controllable via 0-10VDC
- Inline application
- **Built-in**
 - **Soft-start** function
 - **Speed controller**
 - **Locked rotor protection**
 - **Overcurrent protection**
 - **Under-voltage** and **Over-voltage lockout protection**

Specification

Casing

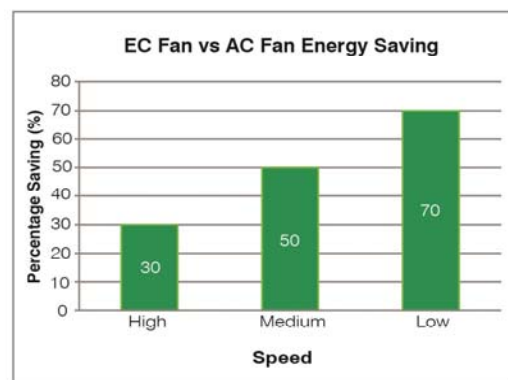
Material : GI Steel

Impeller

Backward curved

Motor

- External Rotor EC Motor
- Class F Insulation
- Suitable for operation in ambient temperature ranging from -25°C to +60°C



Accessories

Inlet Grille (Optional)



- GR06 (For 6" Duct)
- GRS06 (For 6" Duct)
- GAQ 04 (For 4" Duct)
- GR08 (For 8" Duct)
- GRS08 (For 8" Duct)
- GAQ 06 (For 6" Duct) c/w saranet filter

Outlet Grille (Optional)

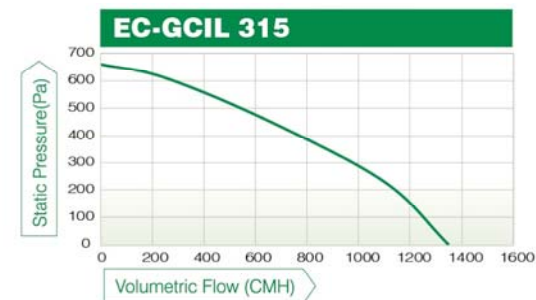
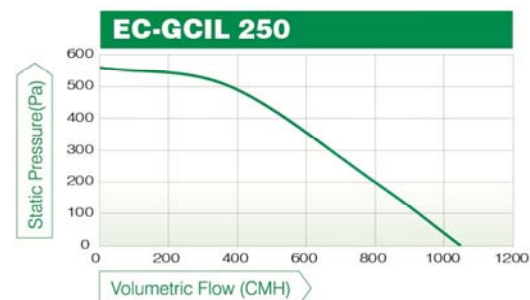
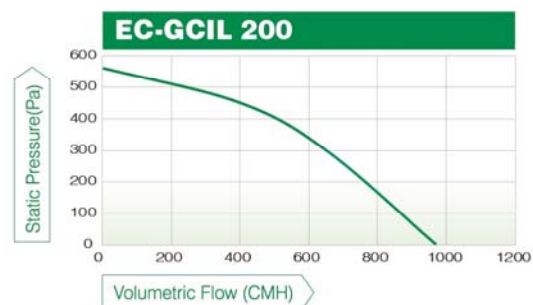
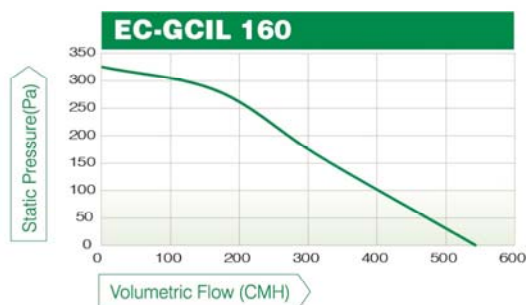
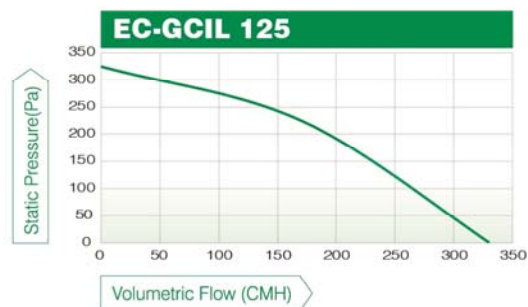
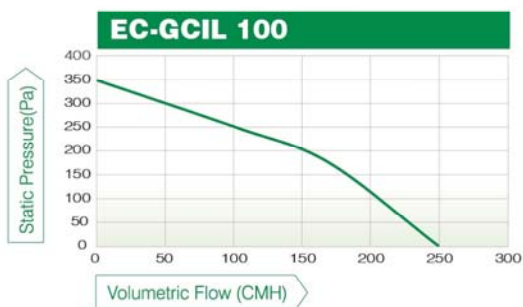


- GA4CG (For 4" Duct)
- GA6CG (For 6" Duct)

Built-in Speed Controller



Performance Curves



Air Change Required per Hour

Home	Kitchen	15
	Bathroom and toilet	10
	Living room	6
Hotel	Ballroom	8
	Dining room	8
	Kitchen	15
	Corridor	5
	Toilet	10
Industrial Plant	General Working Area	6
	Painting Area	20
	Generator Room	20
Restaurant	Dining room	6
	Kitchen	20
	Banquet Hall	10

Ordinary Building	Office	6
	Waiting Room	10
	Conference Room	12
	Exhibition Hall	10
School	Chemical Laboratory	6
	Auditorium	6
	Gymnasium	8
	Library	6
	Classroom	6
Theatre	Auditorium	6
	Corridor	6
	Smoking Room	12
	Projection Room	20

Conversion Table

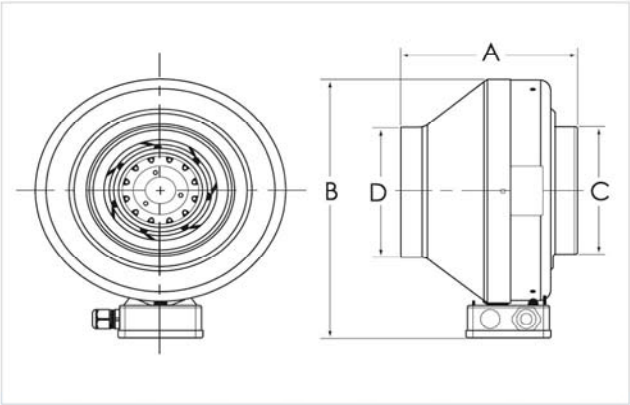
Air Flow

L/s	m ³ /hr	m ³ /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

Technical Data

MODEL	EC-GCIL 100	EC-GCIL 125	EC-GCIL 160	EC-GCIL 200	EC-GCIL 250	EC-GCIL 315
Volt / Phase / Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max Power Input (W)	43	43	43	115	120	130
Air Flow (CMH)	250	330	544	970	1050	1350
Amps (A)	0.39	0.39	0.38	0.83	0.84	1.00
RPM	2650	2600	2700	2900	2900	2800
Max Sound Pressure dB(A) at 3M	53	53	53	60	60	63

Dimension (mm)

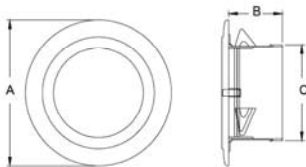


MODEL	A	B	C	D	WEIGHT (Kg)
EC-GCIL 100	208	288	98	98	3.2
EC-GCIL 125	208	288	123	123	3.2
EC-GCIL 160	196	323	158	159	3.4
EC-GCIL 200	242	378	199	199	5.7
EC-GCIL 250	216	379	249	250	5.5
EC-GCIL 315	281	448	313	313	6.8

Specifications subject to changes without prior notice.

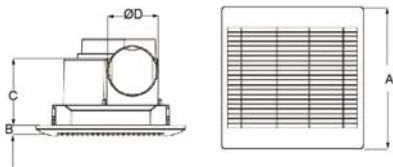
Accessories

Inlet Grille



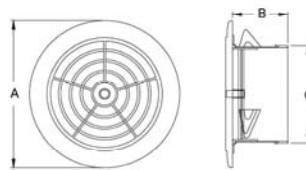
	GR06	GR08
A	210	250
B	84	67
C	145	195

Inlet Grille



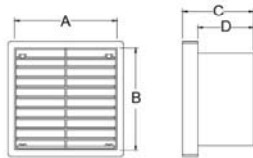
	GAQ04	GAQ06
A	290	345
B	20	26
C	168	192
D	100	147
Ceiling Opening	245 x 230	310 x 295

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

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 +603-7859 0218

EMAIL inquiry@gtg.com.my WEBSITE www.gtg.com.my



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