

3 Speed Centrifugal In-Line Fan

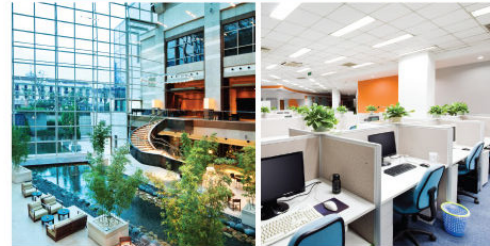


Turbo-Aire Series

- 1 Backward Curve Centrifugal Impeller.
- 2 Uniquely Designed 3 Speed External Rotor Motor.
- 3 Speed Controllable.
- 4 Compact In Size.
- 5 Lighter In Weight.
- 6 Higher In Efficiency.
- 7 Lower In Sound.

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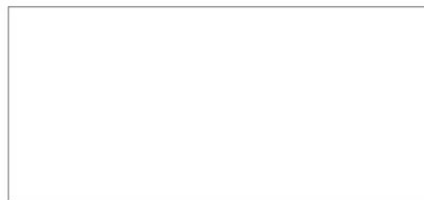
TURBO-AIRE series



3 Speed Centrifugal In-Line Fan



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GTG Industries Sdn Bhd certifies that the model: GCIL 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 Centrifugal In-Line Fan

TURBO-AIRE Series

Introduction

TURBO-AIRE SERIES is designed to cater for the high air flow and high static pressure requirements.

It is light weight and has excellent performance to sound level ratio. The uniquely designed 3 speed external rotor motor provides additional choices for different applications.

- ◆ Backward curve centrifugal impeller.
- ◆ Uniquely designed 3 speed external rotor motor.
- ◆ Speed Controllable.
- ◆ Compact in size.
- ◆ Lighter in weight.
- ◆ Higher in efficiency.
- ◆ Lower in sound.



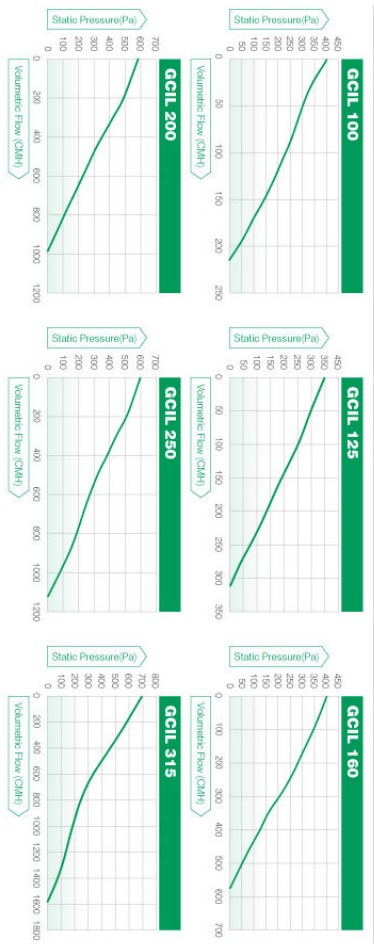
Accessories (Optional)

- Casing**
Manufactured from rust-resistance pre-galvanised steel.
Aerodynamically designed inlet guide vane ensures high efficiency performance at low sound level.
- Motor**
Uniquely designed 3 speed external rotor motor.
Moisture resistant, suitable for humid and damp environments.
Permanently lubricated ball bearing ensuring reliable and maintenance-free operation.
Class F insulation.
- Impeller**
Backward curve centrifugal.

- Outlet Duct Cap
- Outlet Duct Cap (with Grille)
- Intake Louver Kit
- GAC Series
- GACG Series
- GAT Series

Suitable for operation in ambient temperatures ranging from -14°C to +40°C.
Built-in thermal protection device.

Performance Curves

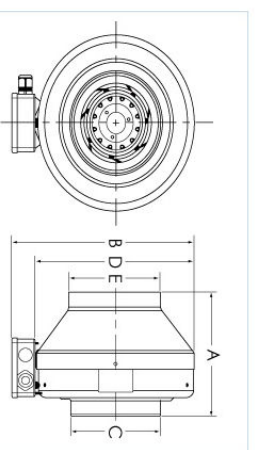


Specification

Model	GCL 100	GCL 125	GCL 160	GCL 200	GCL 250	GCL 315
Speed	High	High	High	High	High	High
Volt / Phase / Hz	240 / 1 / 50	240 / 1 / 50	240 / 1 / 50	240 / 1 / 50	240 / 1 / 50	240 / 1 / 50
Max Power Input (W)	68	72	130	187	214	288
Air Flow (CMH)	214	312	577	975	1137	1573
Amps (A)	0.28	0.3	0.54	0.74	0.85	1.14
RPM	2729	2694	2573	2376	2317	2317
Sound Power dB(A)	78.0	77.5	80.5	79.5	78.5	80.0
Sound Pressure dB(A) at 3m	57.0	56.5	59.5	58.5	57.5	59.0

*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 accessories (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 connection.

Dimension (mm)



MODEL	A	B	C	D	E	WEIGHT (kg)
GCL 100	203.5	279.0	100.0	236.5	100.0	3.8
GCL 125	193.0	279.0	125.0	236.5	125.0	3.8
GCL 160	195.0	323.0	160.0	278.0	160.0	4.5
GCL 200	234.5	378.0	200.0	333.0	200.0	6.6
GCL 250	211.0	377.5	250.0	333.0	250.0	6.8
GCL 315	265.0	446.0	385.0	401.5	315.0	8.4

Accessories (Optional)

GAC Series		GACG Series	
A	B	A	B
155	202	155	202
15	18	25.5	25.5
100	150	100	150
98	118	66	66

GAT Series		GAT	
A	B	A	B
290	324	290	324
264	296	264	296
248	278	248	278
92	88	92	88
18	18	18	18
145	190	145	190

Specifications subject to changes without prior notice.