

## Multi Speed Centrifugal In-Line Fan - *Turbo-Aire* GT-GNN™



- Backward curve centrifugal impeller.
- Uniquely designed 3 speeds external rotor motor.
- Speed Controllable (Optional).
- Compact in size.
- Lighter in weight.
- Higher in efficiency.
- Lower in sound.

**Turbo-Aire** 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 speeds external rotor motor provides additional choices for different applications.

### 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 speeds external rotor motor.
- Moisture resistant, suitable for humid and damp environments.
- Permanently lubricated ball bearings ensuring reliable and maintenance-free operation.
- Class F insulation.
- Speed controllable (optional).
- Suitable for operation in ambient temperatures ranging from -14°C to +40°C.
- Built-in thermal protection device.

### Impeller

Backward curve centrifugal.

### Accessories (Optional)

- Original factory made plastic accessories such as duct cap and duct adaptor for simple duct installation.

#### Outlet Duct Cap

##### GAC Series

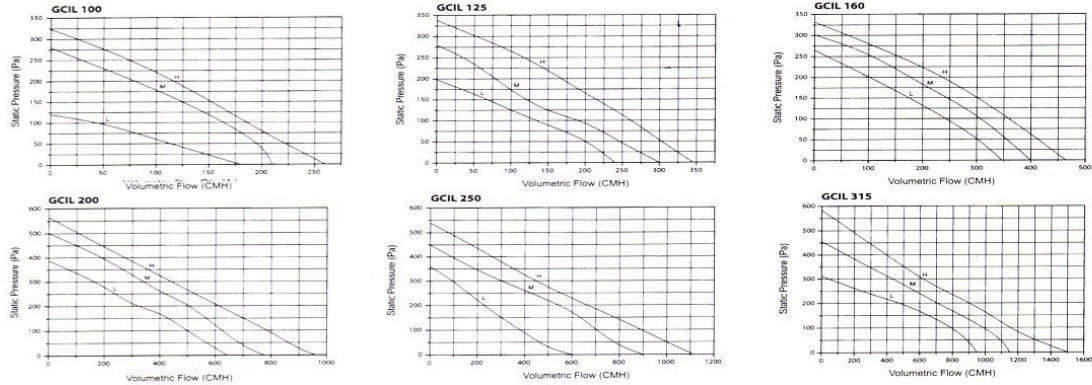


##### GACG Series



# Multi Speed Centrifugal In-Line Fan - Turbo-Aire GT-GNN™

## PERFORMANCE CURVES



## ELECTRICAL DATA

| Model    |          | Volt/<br>Phase/Hz | Motor<br>Watts | Airflow<br>CMH | Amps | RPM  | Insulation<br>Class | Sound Level<br>dB(A) |
|----------|----------|-------------------|----------------|----------------|------|------|---------------------|----------------------|
| GCIL 100 | - High   | 240/1/50          | 67             | 260            | 0.22 | 2611 | F                   | 38                   |
|          | - Medium |                   | 53             | 210            | 0.21 | 2341 |                     | 33                   |
|          | - Low    |                   | 51             | 180            | 0.20 | 2095 |                     | 30                   |
| GCIL 125 | - High   | 240/1/50          | 69             | 345            | 0.28 | 2625 | F                   | 43                   |
|          | - Medium |                   | 59             | 300            | 0.27 | 2322 |                     | 38                   |
|          | - Low    |                   | 59             | 238            | 0.24 | 1952 |                     | 36                   |
| GCIL 160 | - High   | 240/1/50          | 63             | 465            | 0.27 | 2575 | F                   | 52                   |
|          | - Medium |                   | 52             | 407            | 0.23 | 2263 |                     | 46                   |
|          | - Low    |                   | 50             | 345            | 0.22 | 1932 |                     | 43                   |
| GCIL 200 | - High   | 240/1/50          | 156            | 960            | 0.67 | 2504 | F                   | 52                   |
|          | - Medium |                   | 142            | 776            | 0.62 | 2108 |                     | 48                   |
|          | - Low    |                   | 136            | 643            | 0.60 | 1730 |                     | 45                   |
| GCIL 250 | - High   | 240/1/50          | 176            | 1111           | 0.73 | 2450 | F                   | 48                   |
|          | - Medium |                   | 158            | 900            | 0.66 | 2005 |                     | 44                   |
|          | - Low    |                   | 149            | 600            | 0.63 | 1598 |                     | 43                   |
| GCIL 315 | - High   | 240/1/50          | 164            | 1500           | 0.71 | 2583 | F                   | 54                   |
|          | - Medium |                   | 157            | 1150           | 0.67 | 2142 |                     | 49                   |
|          | - Low    |                   | 148            | 955            | 0.63 | 1780 |                     | 43                   |

## DIMENSION (mm)

| Model    | A     | B     | C     | D     | E     |
|----------|-------|-------|-------|-------|-------|
| GCIL 100 | 203.5 | 279.0 | 100.0 | 236.5 | 100.0 |
| GCIL 125 | 193.0 | 279.0 | 125.0 | 236.5 | 125.0 |
| GCIL 160 | 195.0 | 323.0 | 160.0 | 278.0 | 160.0 |
| GCIL 200 | 234.5 | 378.0 | 200.0 | 333.0 | 200.0 |
| GCIL 250 | 211.0 | 377.5 | 250.0 | 333.0 | 250.0 |
| GCIL 315 | 265.0 | 446.0 | 385.0 | 401.5 | 315.0 |

