

HGI



Axial fans with large diameters for farms



Wall-mounted axial fans designed for large airflows at low speed with automatic opening blind.

Fan:

- Sheet steel support frame.
- Galvanised steel structure.
- Galvanised sheet steel impeller.
- Anti-contact protective grille pursuant to standard UNE-EN ISO 12499.
- Specially designed for use in farms and greenhouses.
- Airflow direction from motor to impeller.

Motor:

- IE3 efficiency motors for powers equal to or higher than 0.75kW except single-phase, 2-speed and 8-pole.

- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400V-50Hz.
- Operating temperature: -25°C+ 50°C.

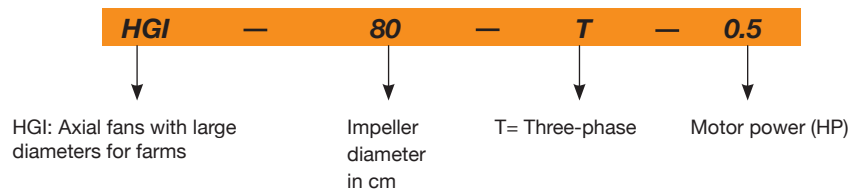
Finish:

- Anti-corrosive finish on galvanised sheet steel.

On request:

- Without blind and with protective grille on the impulsion side.
- Special windings for different voltages.

Order code



Technical characteristics

| Model | Speed (r/min) | Max. admissible current (A) | | Installed power (kW) | Maximum flow rate (m³/h) | Sound pressure level dB(A) | Approx. weight (kg) |
|-------------------|------------------|-----------------------------|------|-------------------------|-----------------------------|-------------------------------|------------------------|
| | | 230V | 400V | | | | |
| HGI-80-T-0.5 | 570 | 1.70 | 1.00 | 0.37 | 16000 | 63 | 48 |
| HGI-80-T-0.75 | 630 | 2.40 | 1.40 | 0.55 | 18000 | 65 | 49 |
| HGI-100-T-0.5 | 398 | 2.10 | 1.20 | 0.37 | 25000 | 62 | 63 |
| HGI-100-T-0.75 | 472 | 2.80 | 1.60 | 0.55 | 29000 | 65 | 64 |
| HGI-100-T-1 IE3 | 503 | 2.82 | 1.62 | 0.75 | 32000 | 66 | 81 |
| HGI-125-T-1 IE3 | 437 | 2.82 | 1.62 | 0.75 | 38000 | 69 | 102 |
| HGI-125-T-1.5 IE3 | 485 | 4.07 | 2.34 | 1.10 | 43000 | 72 | 110 |

Acoustic characteristics

The indicated values are determined by measuring the sound pressure level and sound power in dB(A) obtained in a free field at a distance equivalent to twice the size of the fan plus the impeller diameter, with a minimum of 1.5 m.

Noise power spectrum Lw(A) in dB(A) frequency band in [Hz]

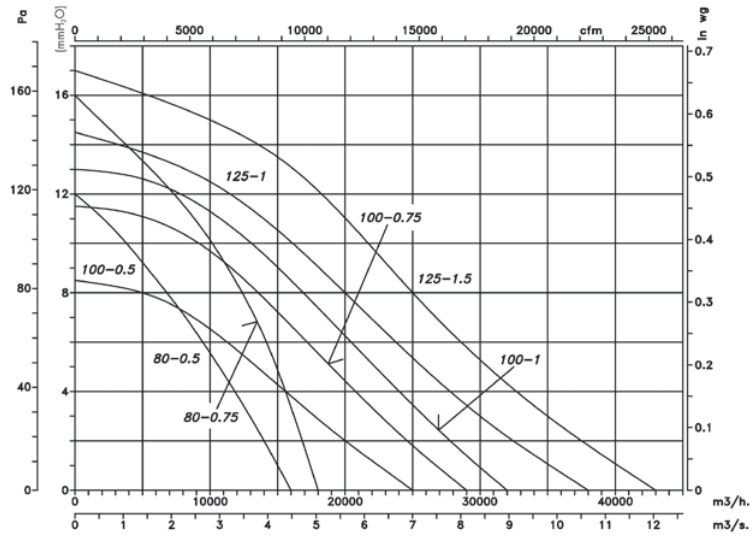
| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|----------------|----|-----|-----|-----|------|------|------|------|---------------|----|-----|-----|-----|------|------|------|------|
| HGI-80-T-0.5 | 57 | 64 | 72 | 74 | 72 | 69 | 66 | 58 | HGI-100-T-1 | 61 | 69 | 77 | 79 | 77 | 74 | 70 | 63 |
| HGI-80-T-0.75 | 59 | 66 | 74 | 76 | 74 | 71 | 68 | 60 | HGI-125-T-1 | 64 | 72 | 80 | 82 | 80 | 77 | 73 | 66 |
| HGI-100-T-0.5 | 57 | 65 | 73 | 75 | 73 | 70 | 66 | 59 | HGI-125-T-1.5 | 67 | 75 | 83 | 85 | 83 | 80 | 76 | 69 |
| HGI-100-T-0.75 | 60 | 68 | 76 | 78 | 76 | 73 | 69 | 62 | | | | | | | | | |

AXIAL FANS AND ROOF-MOUNTED EXTRACT FANS

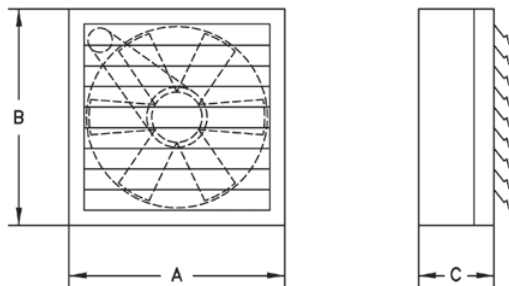
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

Pe= Static pressure in mm H₂O, Pa and inwg.



Dimensions mm



| Model | A | B | C |
|---------|------|------|-----|
| HGI-80 | 925 | 925 | 427 |
| HGI-100 | 1125 | 1125 | 447 |
| HGI-125 | 1375 | 1375 | 480 |

Accessories

See accessories section.



INT



VSD3/A-RFT
VSD1/A-RFM



ELECTRIC
CONTROL
PANELS



SI