AIRVISION 25 years
Air Processing Management
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SODECA

HGI

Large diameter axial fans for farms

EXEMPT ErP

Wall mounted axial fans designed for large air flows at low speed with automatic opening shutter.

Fan:
- Steel sheet support frame.
- Robust X-shaped structure.
- Stainless steel blades.
- Protection grid against contacts according to UNE-EN ISO 12499.
- Specially designed for use in farms and greenhouses.
- Airflow direction from motor to impeller.
- With side access for motor connection.

Motor:
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400 V 50 Hz.
- Working temperature: -25 ºC +50 ºC.

Finish:
- Galvanised steel sheet.

On request:
- Without shutter and with protection grid on the outlet.

Order code

HGI	–	80	–	T	–	0.5
HGI: Large diameter axial fans for farms		Impeller diameter in cm		T = Three-phase		Motor power (HP)

Technical characteristics

Model	Speed	Maximum admissible current (A)		Installed power	Maximum flow rate	Sound pressure level[1] dB (A)	Approx. weight
	(r/min)	230V	400V	(kW)	(m³/h)	Inlet	(Kg)
HGI-80-T-0.5	550	2.00	1.20	0.37	17070	58	44
HGI-80-T-0.75	580	2.00	1.20	0.55	18440	60	44
HGI-100-T-0.75	520	2.00	1.20	0.55	24750	62	56
HGI-100-T-1	530	3.40	2.00	0.75	27090	63	56
HGI-125-T-1	415	3.40	2.00	0.75	37780	66	68
HGI-125-T-1.5	430	4.70	2.70	1.10	41005	69	68

1. The noise level values are pressures in dB(A) measured at a distance of 3 metres in a free field.

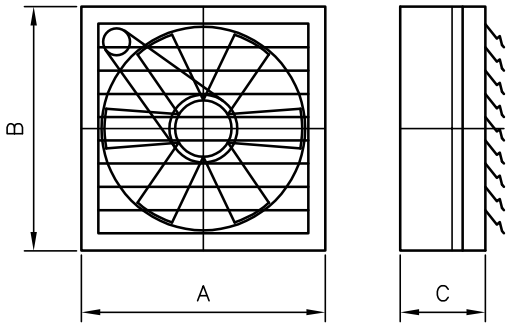
Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.
Sound power spectrum Lw(A) in dB(A) per Hz frequency band
Values measured at inlet with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
HGI-80-T-0.5	57	64	72	74	72	69	66	58
HGI-80-T-0.75	59	66	74	76	74	71	68	60
HGI-100-T-0.75	60	68	76	78	76	73	69	62

	63	125	250	500	1000	2000	4000	8000
HGI-100-T-1	61	69	77	79	77	74	70	63
HGI-125-T-1	64	72	80	82	80	77	73	66
HGI-125-T-1.5	67	75	83	85	83	80	76	69

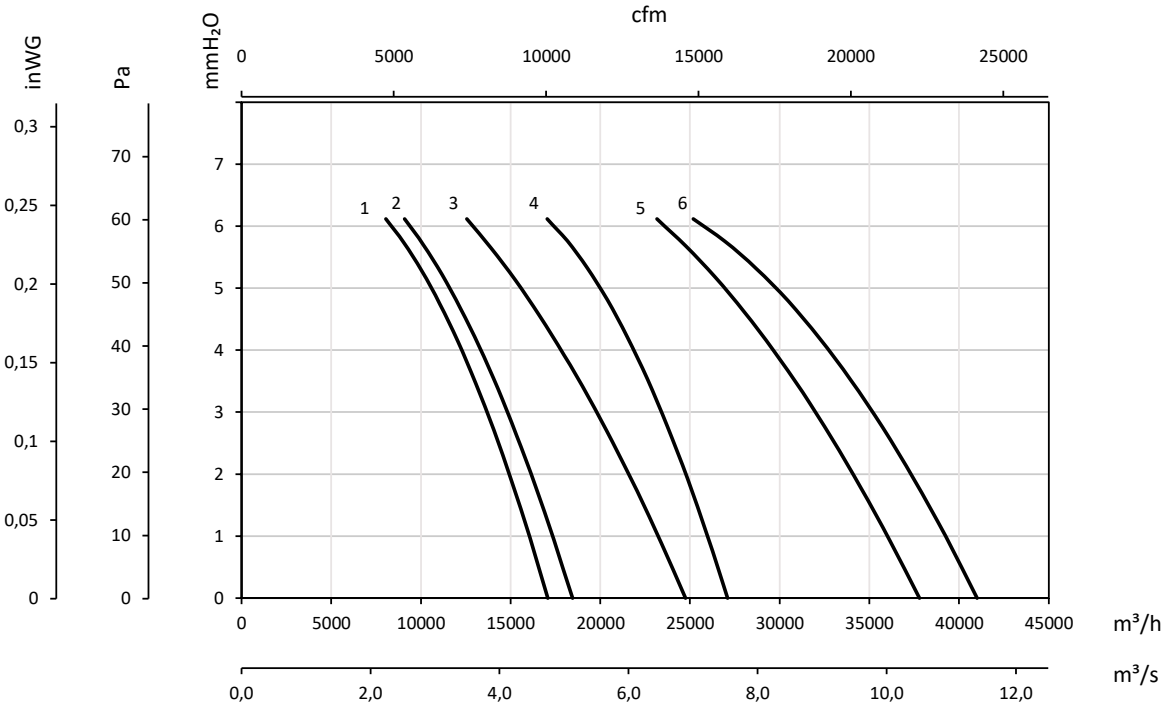
Dimensions mm



	A	B	C
HGI-80	960	960	405
HGI-100	1150	1150	405
HGI-125	1380	1380	405

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg



1 : HGI-80-T-0.5
2 : HGI-80-T-0.75
3 : HGI-100-T-0.75
4 : HGI-100-T-1 IE3
5 : HGI-125-T-1 IE3
6 : HGI-125-T-1.5 IE3

Accessories


INT


VSD3/A-RFT
- VSD1/A-RFM