

HCH-35-2T/AL

Code: 1000124

Very robust wall mounted axial fans

Wall mounted axial fans. PL version fitted with a plastic impeller and AL version with an aluminium impeller.



Fan:

- Airflow direction from motor to impeller.
- PL version impellers in fibreglass reinforced polyamide-6 and AL version in cast aluminium. Models 40-2T only in AL version.
- Support ring in sheet steel.



Motor:

- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings. IP55 protection. Except single-phase models from size 45 to size 56, with IP54 protection. 1 or 2 speeds depending on model.
- Single-phase 230 V 50 Hz and three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -25 °C +50 °C.

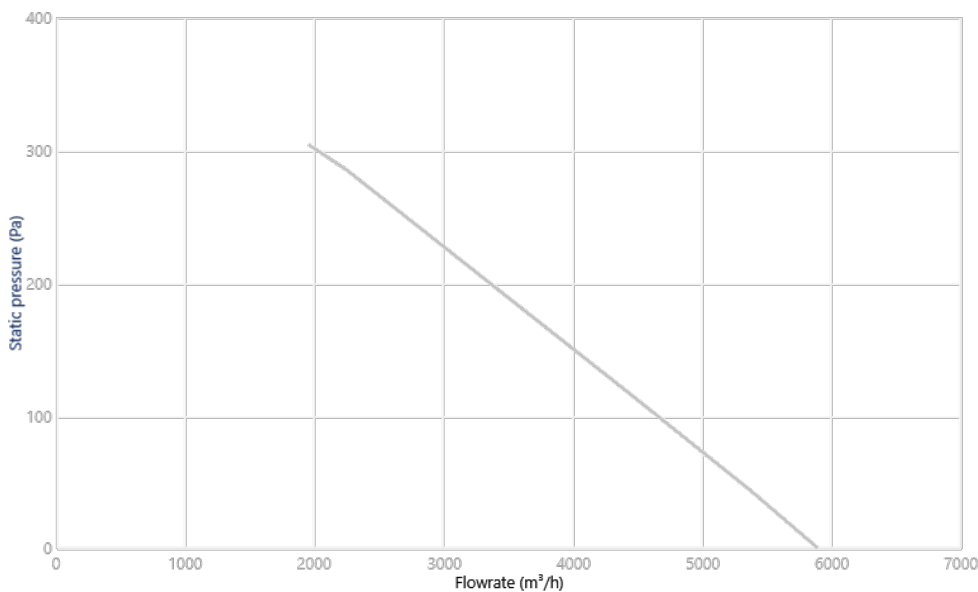
Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:

- Airflow direction from impeller to motor.
- 100% reversible impellers.
- Special windings for different voltages.
- ATEX certified Category 2.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

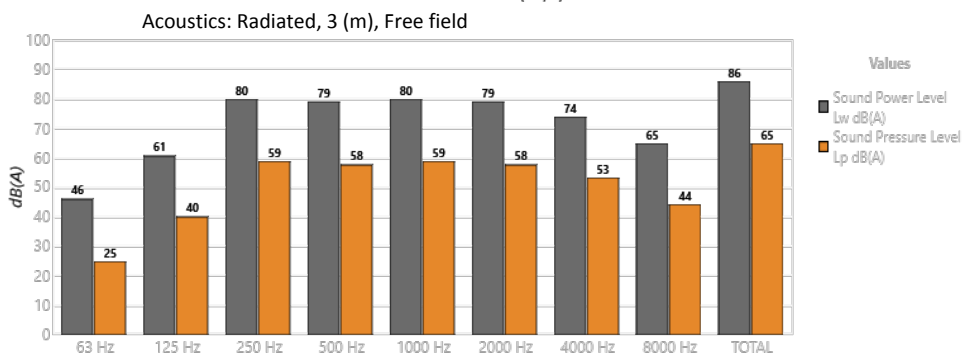


Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

Q (m³/h)	-
Ps (Pa)	-
Pd (Pa)	-
Pt (Pa)	-



Band	Lw dB(A)	Lp dB(A)
63 Hz	46	25
125 Hz	61	40
250 Hz	80	59
500 Hz	79	58
1000 Hz	80	59
2000 Hz	79	58
4000 Hz	74	53
8000 Hz	65	44
TOTAL	86	65

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	5885
Speed (rpm)	2830
Maximum static pressure (Pa)	304.2
Maximum total pressure (Pa)	322.2

ERP

Efficiency	37.1%
Efficiency grade N	45.2
Measurement category	A
Efficiency category	Static
Specific ratio	1.00
Flowrate (m³/h)	2998

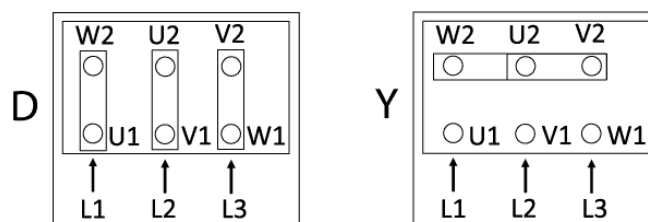
Pressure (Pa)	229
Input power (kW)	0.520
Speed (rpm)	2737
Variable speed drive	VSD not necessary
ErP compliance	2015

♦ Data established at point of optimum efficiency

MOTOR DATA

Rated Mechanical Power (kW)	0.37
Hz/phases	50/3
Motor (rpm)	2830
Poles	2P
Max. current (A) 380-415 V Y	0.895
Max. current (A) 220-240 V D	1.56
Motor protection	IP55
Motor frame size	71

Data can change, please check motor plate



DIMENSIONS

ØA	ØB	ØC	ØD	E	F	ØJ	N
425	395	358	355	279	110	10	8x45°

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	9
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