

HCT-63-4T-4/PL IE3

Code: 1003082



Extremely robust tubular axial fans

Tubular wall mounted 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 and 45-2T only in AL version.
- Tubular casing in sheet steel with external terminal box.

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.

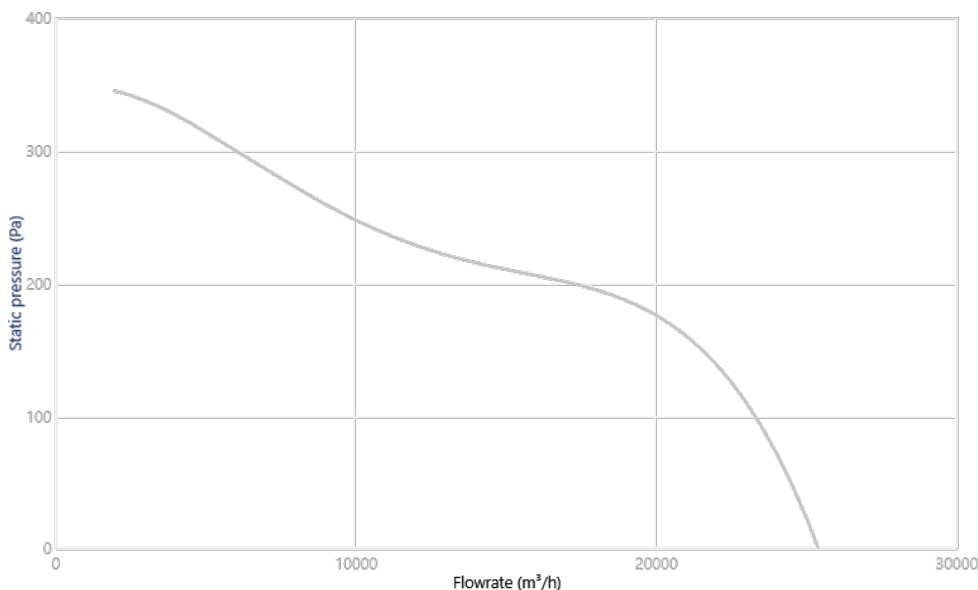
Finish:

- 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



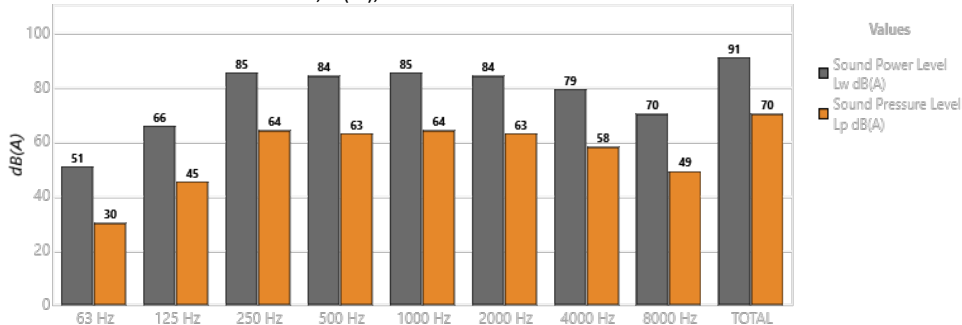
Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

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

Acoustics: Radiated, 3 (m), Free field



Band	Lw dB(A)	Lp dB(A)
63 Hz	51	30
125 Hz	66	45
250 Hz	85	64
500 Hz	84	63
1000 Hz	85	64
2000 Hz	84	63
4000 Hz	79	58
8000 Hz	70	49
TOTAL	91	70

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	25390
Speed (rpm)	1440
Maximum static pressure (Pa)	344.9
Maximum total pressure (Pa)	356.7

ERP

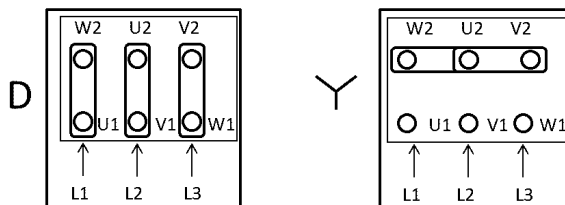
Efficiency	66.8%
Efficiency grade N	69.8
Measurement category	B
Efficiency category	Total
Specific ratio	1.00
Flowrate (m³/h)	23293

Pressure (Pa)	342
Input power (kW)	3.311
Speed (rpm)	1442
Variable speed drive	VSD not necessary
ErP compliance	2015

♦ Data established at point of optimum efficiency

MOTOR DATA

Rated Mechanical Power (kW)	3
Hz/phases	50/3
Motor (rpm)	1440
Poles	4P
Max. current (A) 380-415 V Y	6.15
Max. current (A) 220-240 V D	10.7
Motor protection	IP55
Motor frame size	100L



Data can change, please check motor plate

DIMENSIONS

ØA	ØB	ØD	E	E1	ØJ	N
730	690	640	430	39	12	12x30°

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

Approx. weight (kg)	64
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