



# HC-63-4T/H IE3

Code: 1017179



## Wall mounted axial fans with IP55 motor

Wall mounted axial fans with fibreglass reinforced plastic propeller.



### Fan:

- Steel sheet support frame.
- Fibreglass reinforced polyamide-6 impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.
- Models 71, 80, 90 and 100: The protection grid is supplied as an accessory.
- Airflow direction from motor to impeller.

### 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 63, 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 +60 °C.

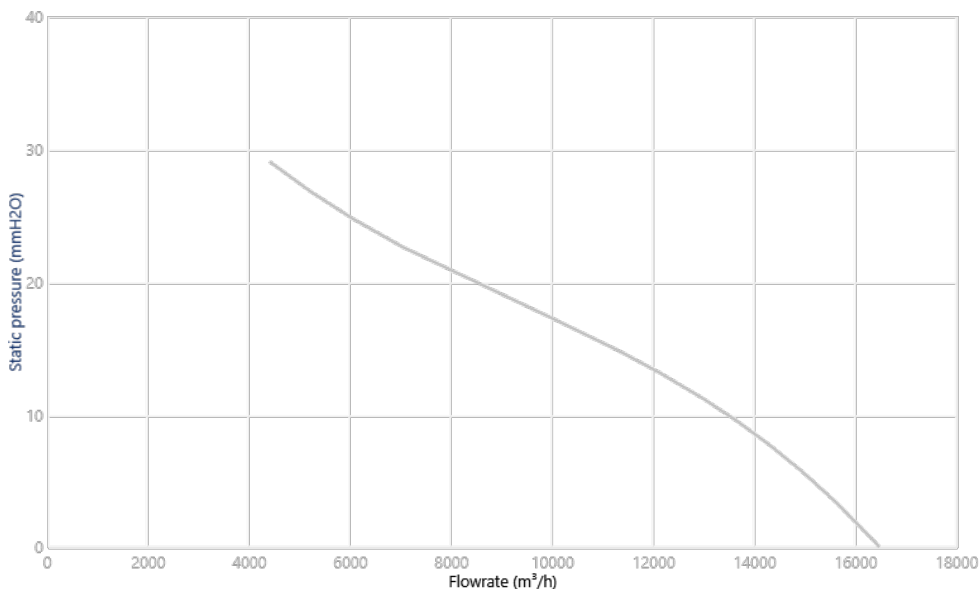
### Finish:

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

### On request:

- Motor, impeller and grille assembly (F version), except models 71, 80, 90 and 100, which are supplied without a grille.
- Motor, impeller assembly (version G).
- Airflow direction from impeller to motor.
- Special windings for different voltages.

## CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M<sup>3</sup>



### Design Point

Q (m³/h)	
Ps (mmH2O)	

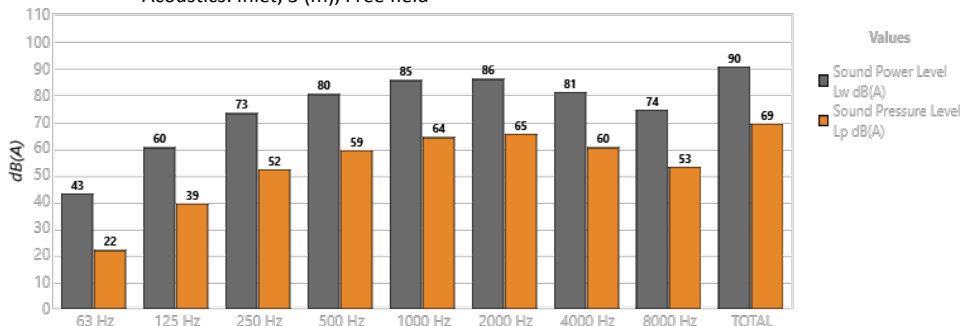
### Service Point (SP)

Q (m³/h)	-
Ps (mmH2O)	-
Pd (mmH2O)	-
Pt (mmH2O)	-





Acoustics: Inlet, 3 (m), Free field



Band	Lw dB(A)	Lp dB(A)
63 Hz	43	22
125 Hz	60	39
250 Hz	73	52
500 Hz	80	59
1000 Hz	85	64
2000 Hz	86	65
4000 Hz	81	60
8000 Hz	74	53
TOTAL	90	69

TECHNICAL CHARACTERISTICS

Airflow maximum (m <sup>3</sup> /h)	16455
Speed (rpm)	1455
Maximum static pressure (mmH2O)	29.06
Maximum total pressure (mmH2O)	29.98

ERP

Efficiency	41.8%
Efficiency grade N	47.8
Measurement category	C
Efficiency category	Static
Specific ratio	1.00
Flowrate (m <sup>3</sup> /h)	9340

Pressure (Pa)	180
Input power (kW)	1.119
Speed (rpm)	1461
Variable speed drive	VSD not necessary
ErP compliance	2015

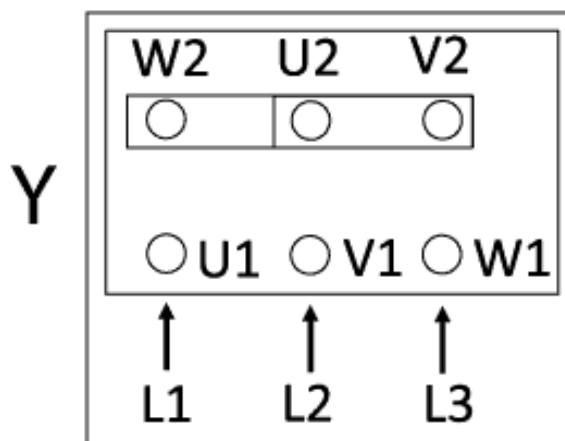
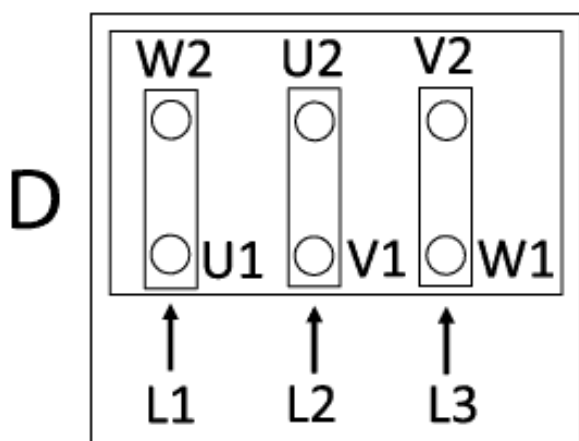
◆ Data established at point of optimum efficiency

MOTOR DATA

Rated Mechanical Power (kW)	1.1
Hz/phases	50/3
Motor (rpm)	1455
Poles	4P

Max. current (A) 380-415 V Y	2.34
Max. current (A) 220-240 V D	4.07
Motor protection	IP55
Motor frame size	90S/L

Data can change, please check motor plate

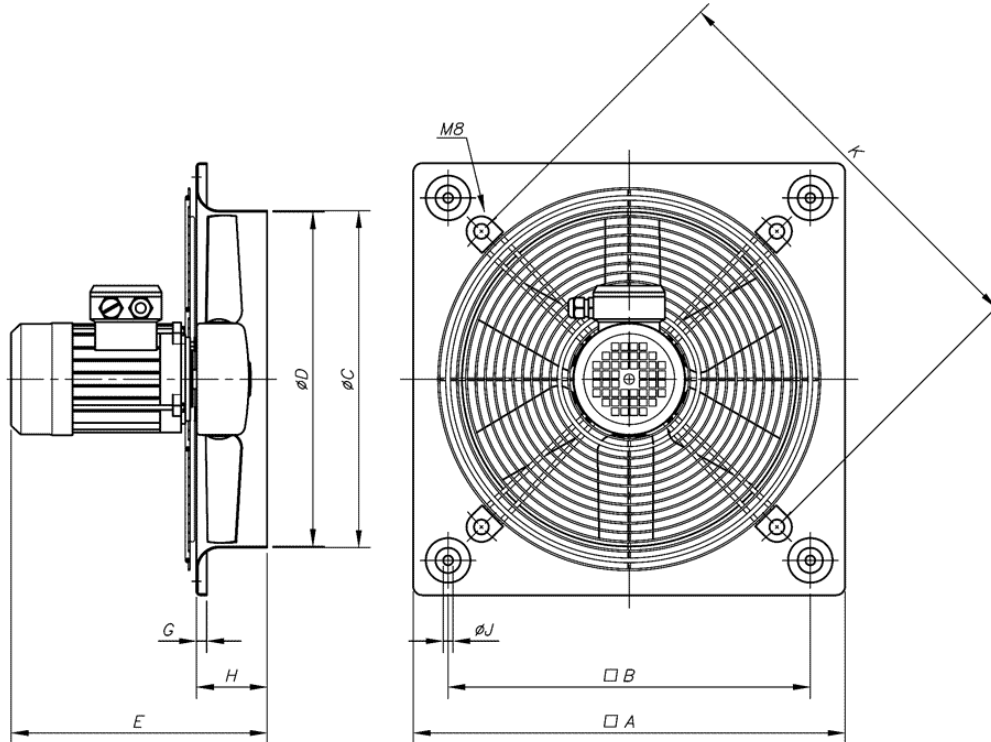


## DIMENSIONS

A	B	C	D	E	G	H	J	K
800	710	638	635	399	15	140	10.5	820

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

Approx. weight (kg)	26
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## AVAILABLE ACCESSORIES

### General accessories available



### Inlet accessories available

**Inlet accessories not available**

### Outlet accessories available



**It must be checked that the accessory is suitable for the fan model**