

Ventilation systems with motorised dampers



Energy efficiency



F400 smoke exhaust



Architectural integration



High performance



Airtight design



Motorised opening



CLASSIFICATIONS AND CERTIFICATIONS

AIR TIGHT
CLASS 4 IN
ACCORDANCE
WITH EN 12207

RAINPROOF
CLASS E 1350 IN
ACCORDANCE
WITH EN 12208

FIREPROOF
CERTIFIED IN
ACCORDANCE WITH
EN 12101-3

SNOW LOAD SL1000
CERTIFIED IN
ACCORDANCE WITH
EN 12101-3

ACOUSTIC INSULATION
RW 32 (-2;-4) DB
ACCORDING TO
EN 10140-2

The entire assembly is F300 and F400 certification tested



SODECA offers solutions for industrial ventilation, smoke exhaust, staircase pressurisation, tunnel ventilation and improved indoor air quality



SODECA has grown by seeking out the best path, always innovating and offering the best customer service, while respecting the environment and remaining committed to energy savings. It would therefore like to be a part of the change and focus on a sustainable model.

The environmental management system of the production plant at SODECA's headquarters has **ISO 14001 certification from Bureau Veritas**, thereby endorsing our environmental performance and the continuous improvement derived from activities targeted at mitigating any impact on the environment. At SODECA, sustainable solutions are integrated in its business strategy, which means producing with clean energy, reducing emissions and working to decrease waste generation.





Certifications

All HATCH solutions with a motorised damper have been subjected to various robustness tests under extreme conditions, including snow and wind loads.

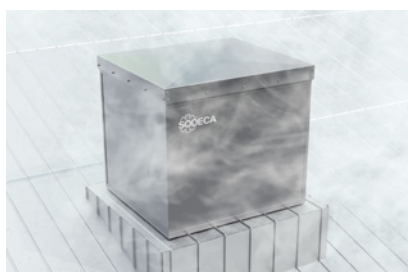
They have also undergone fire resistance certification tests at accredited laboratories in accordance with the EN 12101-3 standard.

EN 12101-3	Certifications in accordance with EN 12101-3	CLASSIFICATION	OPENING TIME	WIND LOAD	SNOW LOAD
	HATCH/HP	F400/2h F300/2h	<30 sec	200 Pa + 3 cycles	SL-1000
	THT/WALL and THT/WALL-F	F400/2h F300/2h	<30 sec	200 Pa + 3 cycles	not applicable
	THT/HATCH	F400/2h F300/2h	<30 sec	200 Pa + 3 cycles	SL-1000
EN 12101-2	Tests based on EN 12101-2	TEMPERATURE		RELIABILITY	
	HATCH/HP	-25°C		RE-11000	
	THT/WALL and THT/WALL-F	-25°C		RE-20000	
	THT/HATCH	-25°C		RE-11000	
EN 12207	Tests based on EN 12207	AIRTIGHT			
	HATCH/HP	Class 4			
EN 10140-2	Tests based on EN 10140-2	OVERALL ACOUSTIC REDUCTION INDEX			
	HATCH/HP	Rw 32 (-2;-4) dB			
	WALL SERIES	Rw 27 (0;-2) dB			
EN 12208	Tests based on EN 12208	RAINPROOF			
	HATCH/HP	Class E 1350			



Ventilation solutions with a ROOF-type motorised damper for smoke exhaust in the event of fire and with the highest thermal and airtightness performance

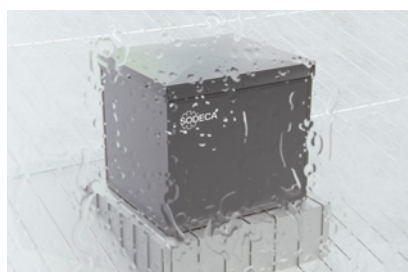
Classifications and certifications



Airtight

CLASS 4 IN ACCORDANCE WITH EN 12207

The airtightness prevents air leakage, thereby reducing energy losses. The HATCH/HP is fully sealed and features two gaskets that ensure maximum airtightness.



Rainproof

CLASS E 1350 IN ACCORDANCE WITH EN 12208

The exterior of the unit is completely sealed and does not allow water ingress, given that there are no openings that connect with the interior.



Resistance to fire

APPROVED IN ACCORDANCE WITH EN 12101-3

The HATCH/HP system has been approved in accordance with EN 12101-3, which regulates smoke and heat control systems, specifically fans for smoke exhaust in the event of fire.



Snow load

SL1000 APPROVED IN ACCORDANCE WITH EN 12101-3

Thanks to a powerful actuator and a completely rigid structure, a snow load resistance of 1000 Pa is achieved in all sizes.



Acoustically insulated

RW 32 (-2;-4) DB IN ACCORDANCE WITH EN 10140-2

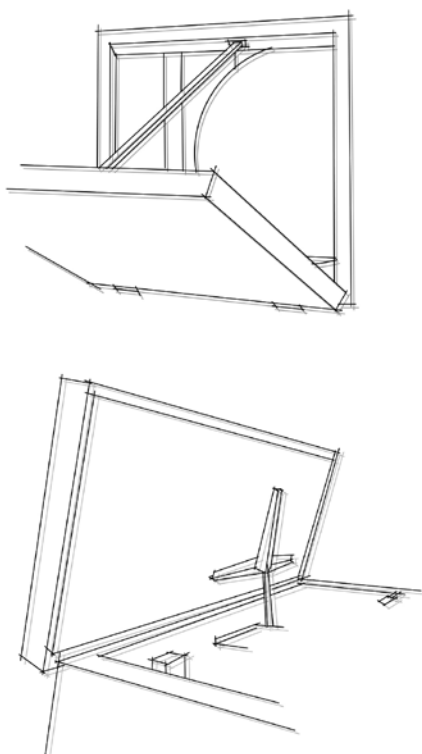
The unit's casing provides high acoustic attenuation thanks to its insulating panels and airtight gaskets.





HATCH SYSTEM

The HATCH system consists of ventilation solutions with airtight motorised dampers. For façades, the WALL SYSTEM, and for roofs, the ROOF SYSTEM, both of which optimise energy efficiency and guarantee smoke exhaust in the event of fire



Solutions for extracting exhaust air in buildings and for exhausting smoke in the event of fire, thereby complying with regulations in force. These systems use automated and motorised dampers, designed to provide a completely airtight seal and developed using the latest technology. Moreover, they are certified for working at 400°C/2h or 300°C/2h, depending on the required application.



Smoke extraction in case of fire F400



Motorised opening



Airtight design



Energy efficiency



High performance



Architectural integration



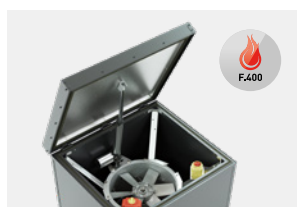
Ventilation solutions with motorised dampers



[Technical data sheet](#)

ROOF SYSTEM

Ventilation solutions with motorised dampers designed for extracting exhaust air and for exhausting smoke through a building's roof in the event of fire.



HATCH/HP



HCT/HATCH



THT/HATCH

WALL SYSTEM

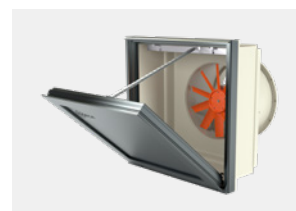
Ventilation solutions with motorised dampers designed for extracting exhaust air and for exhausting smoke through a building's façade in the event of fire.



THT/WALL



THT/WALL-F



WALL/DUCT



WALL-FREE



WALL/AXIAL

Both systems are supplied with a motorised damper that is also fully airtight. All equipment is thermally and acoustically insulated using technologically advanced materials. This prevents any loss of heat and the transfer of noise in a building when the system is not operating.



Thermal break

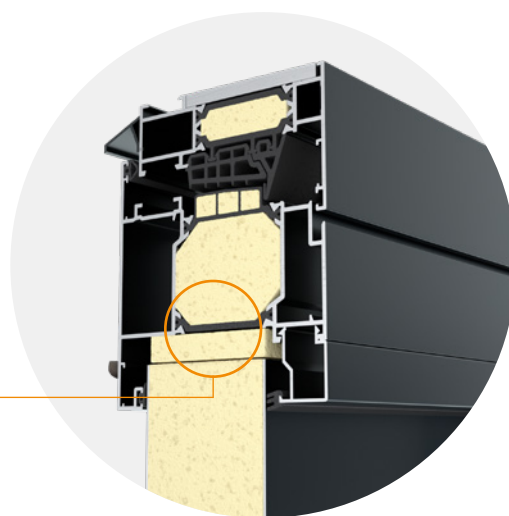
Models:

WALL FLAP

HATCH/HP

To provide excellent thermal performance and prevent possible condensation from forming inside, all metal components that communicate the exterior with the interior of the unit are equipped with a thermal break.

A design that combines innovation, safety and reliability, thereby offering peace of mind in any application.



Reduction of condensation

Avoids the appearance of condensation, thereby decreasing the risk of humidity and corrosion



Insulation

Reduces the thermal transmission between the interior and exterior.



Energy efficiency

Minimises energy losses, thereby optimising the system's performance.



Heat loss and thermal insulation

Thermal transmittance HATCH/HP

The use of materials with low thermal conductivity minimises the transfer of heat and cold through the casing, which decreases the thermal transmittance rate (U value) and increases the energy efficiency of the building.

The HATCH/HP has an extraordinarily low thermal transmittance coefficient:

$$U = 0.39 \text{ W/m}^2 \cdot \text{K}$$

- 1 Sandwich panel made of pre-lacquered steel sheets with a 60-mm-thick polyurethane core.
- 2 Airtightness seals.
- 3 Thermal break.
- 4 Pyramid cover.
- 5 Aluminium profile.

To provide excellent thermal performance and prevent possible condensation from forming inside, all metal components that communicate the exterior with the interior of the unit are equipped with a thermal break.

WALL FLAP

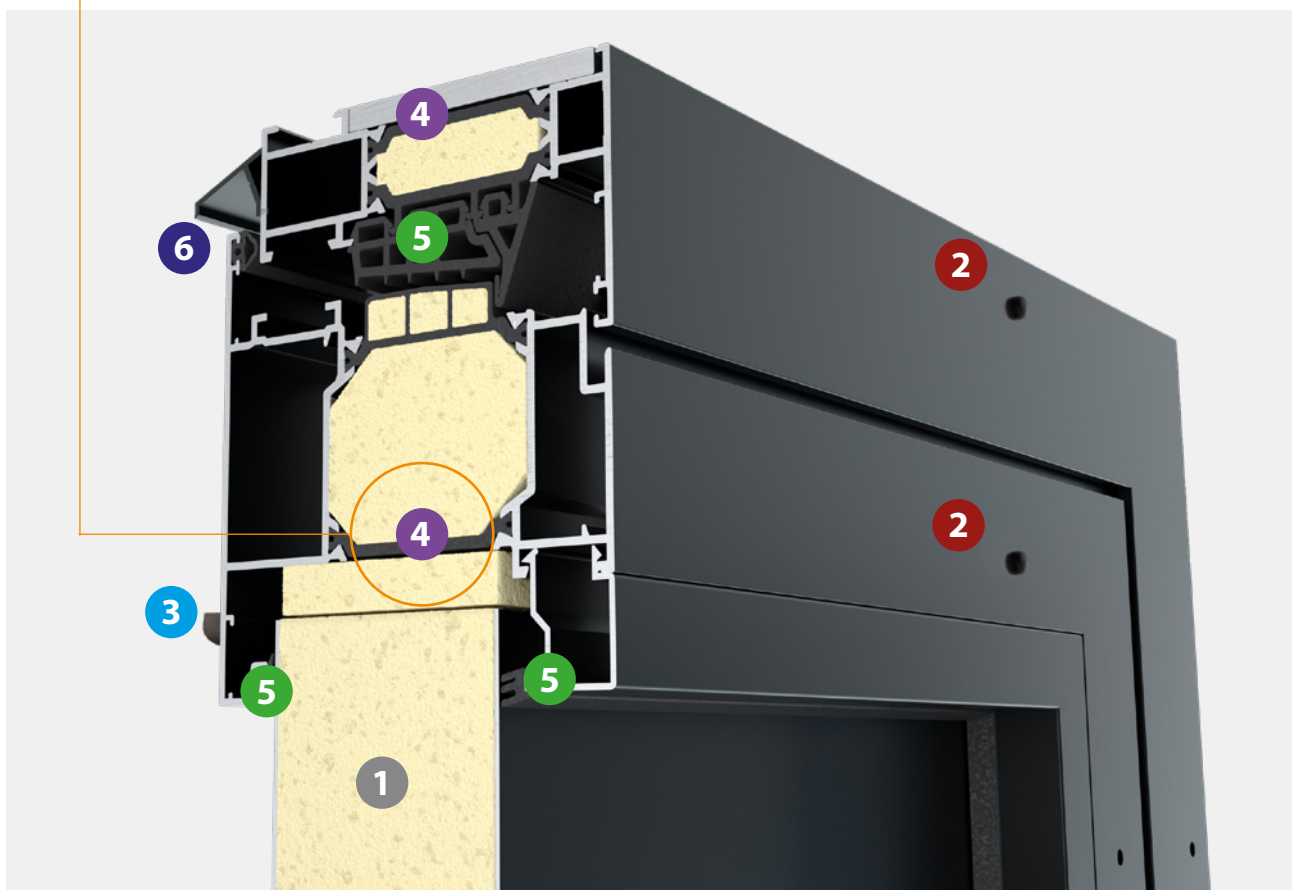
The dampers of these units are comprised of 80-mm thick extruded aluminium profiles with a thermal break and a sandwich panel type central panel with high insulating properties.

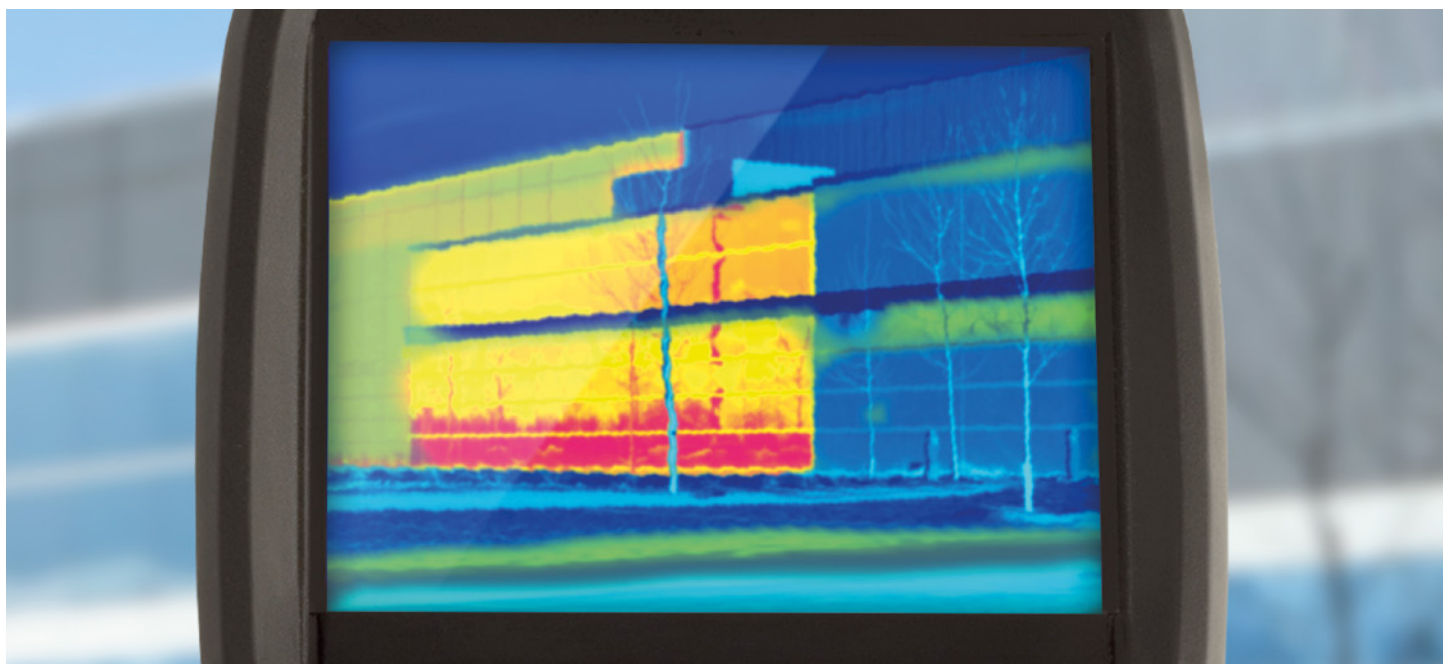
The thermal transmittance value of the WALL systems

WALL FLAP 40 - 45	0.9 W/m ² · K
WALL FLAP 50 - 56	0.8 W/m ² · K
WALL FLAP 63 - 71 - 80	0.7 W/m ² · K
WALL FLAP 90 - 100	0.7 W/m ² · K
WALL FLAP 125	0.6 W/m ² · K

- 1 Aluminium sandwich panel with high-density expanded polyurethane foam
- 2 Anti-detachment fastening screws in the event of fire
- 3 Condensation drainage
- 4 Thermal break
- 5 Water-tightness seals
- 6 Gutter to prevent water from filtering inside the unit

The motorised dampers incorporate a thermal break using insulating materials on the inside and outside, thereby preventing heat transfer, reducing condensation and improving the energy insulation.

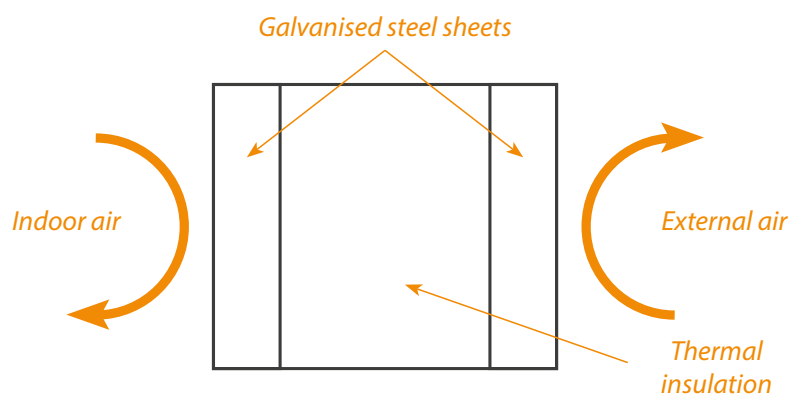




Thermal transmittance

THT/HATCH and HCT/HATCH

The casings and dampers of the THT/HATCH and HCT/HATCH systems are formed by a 100-mm thick sandwich panel for the damper and by a 60-mm thick panel for the casing, without thermal bridge break. In calculating the thermal transmittance, the heat transfer by conduction as well as by convection has been considered.



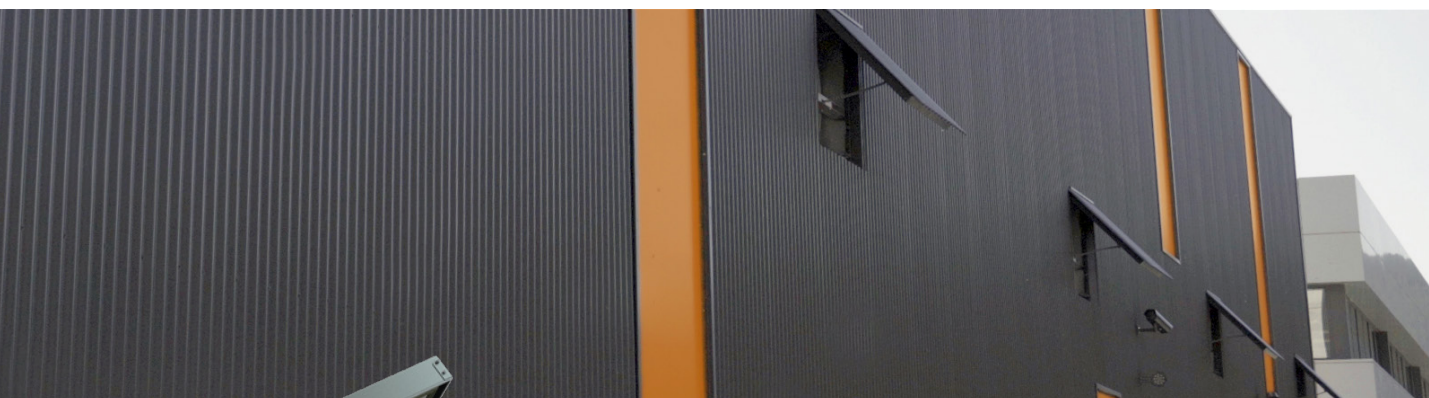
The thermal transmittance value of the THT/HATCH and HCT/HATCH systems is:

$$U = 0.47 \text{ W/m}^2 \cdot \text{K}$$

One of the main disadvantages of conventional fans is the constant loss of heat, which results in unnecessary costs from the use of air conditioning or heating systems.

With the HATCH systems, this disadvantage is corrected since the unit is completely sealed and insulated using special materials designed for this purpose.

The thermal conductivity is thus improved, and thermal leakage from the interior of the building is prevented.



Architectural integration

The aesthetics of buildings, whether industrial or commercial, and their proper integration into the surroundings are key aspects for architects and designers.

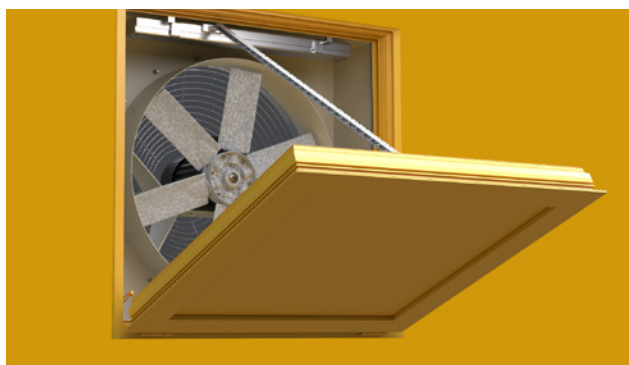
With the HATCH-type motorised damper solutions, we offer the possibility of customising the finishes and adapting them to the building's characteristics, thereby achieving ventilation systems that blend into the building without compromising functionality.



Customisation

Ventilation solutions with motorised dampers are supplied, in their standard configuration, in RAL 7024M for the WALL systems and in RAL 7016M for the ROOF systems, with the option to customise the finish of the motorised damper to achieve full integration with the building façade.

The HATCH-type motorised dampers are customised using anti-corrosion polyester resin paint, in the RAL colour selected by the customer.



High-performance **in insulation** and in **airtightness**

Completely **airtight** units to prevent thermal leakage from the interior of the building

Possibility of **customising the damper** with the finish of the façade

Certifications of airtightness, rainproof, fire resistance and snow load

Ventilation solutions with motorised dampers that contribute to achieving sustainable building certifications.

BREEAM™ | **LEED**



Motorised opening

The damper is opened by means of extremely robust motorised actuators.

They ensure reliable operation even under the most unfavourable conditions. In the event of any external overload, the system performs safely and reliably, while complying with the most demanding regulations.



High performance

Completely airtight ventilation system and motorised damper assembly with high insulating and sealing performance to prevent thermal leakage from the interior of the building.

Additionally, the motorised dampers incorporate a thermal break to prevent condensation and improve the energy insulation.



ROOF SYSTEM

industrial and commercial applications

The ventilation solutions with a ROOF-type motorised damper for installation on the roof are outstanding for their airtight design, which prevents energy losses from the building and ensures that they can open in the event of any external overload.

Available with F400 and F300 certifications for smoke exhaust in the event of fire, thereby complying with safety and energy efficiency regulations and ensuring reliable performance in any type of building.



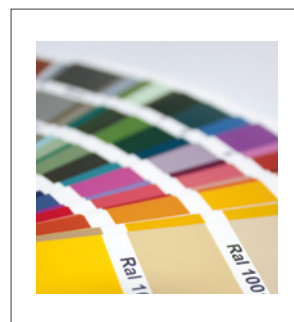
HATCH/HP



HCT/HATCH



THT/HATCH



STANDARD RAL 7016M

Cutting-edge materials



Airtightness

Maintains the climate control of the building and at the same time prevents exterior air from entering the building.



Acoustic

The unit has an acoustically insulated casing that acts as a barrier against interior and exterior noise.



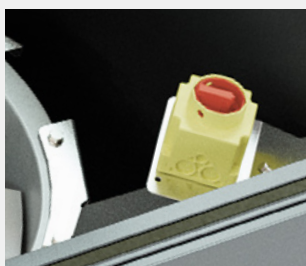
Energy efficiency

Minimises energy losses, thereby optimising the system's performance.



Insulation and water-tightness

Completely water-tight unit, consequently preventing water from entering and avoiding practically any heat loss through transmission when not in use.

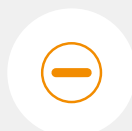


Maintenance switches inside the casing

We recommend installing maintenance switches inside the casing to:



Ensure complete water-tightness and airtightness



Avoid unauthorised manipulation of the switches

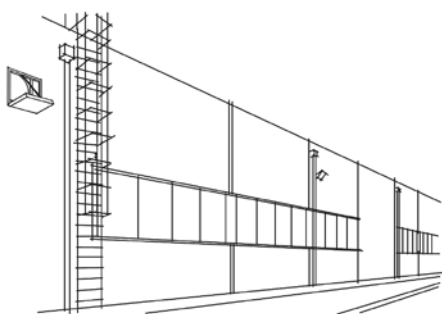


Increase the useful service life of the maintenance switches

* For models with F300/2h and F400/2h certifications, the fan maintenance switch is temperature resistant.

WALL SYSTEM

industrial and commercial applications



The ventilation solutions with the WALL-type motorised dampers can be easily installed on the façades of industrial units or commercial buildings and can be integrated with the architectural design. There are versions with opening from the top or bottom, depending on the requirements of each project. They are available with F400 or F300 certification for smoke exhaust in case of fire, or without certification for the extraction of exhaust air and pollutants, and they can also be used to supply air.

The motorised damper closes automatically when not in use, thereby preventing energy losses.

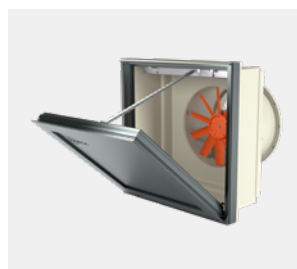
In the event of a fire, especially in high-rise buildings, it is possible to install motorised damper solutions anywhere on the façade, thereby eliminating the need for long ducts or chimneys and ensuring safe and efficient smoke exhaust.



THT/WALL



THT/WALL-F



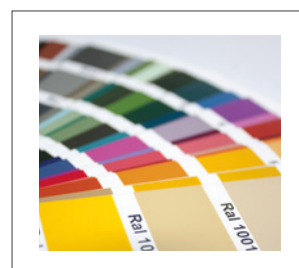
WALL/DUCT



WALL-FREE



WALL/AXIAL



STANDARD RAL 7024M



Advanced protection systems

The WALL-type motorised dampers for façades incorporate an intelligent closing system that guarantees maximum safety in every opening and closing cycle.

In the event of any obstacle or an external overload, the system operates safely and reliably:



Automatic detection

The system stops, opens for 10 seconds and then closes again.



Protection against damage

After three failed closing attempts, the system locks.



Reinforced safety

When closing, the speed is reduced to 5 mm/s to allow more time to react in case of an incident.



A design that combines innovation, safety and reliability, thereby offering peace of mind in any application.



Energy study



Energy efficiency tested

To calculate the heat losses of the various extract systems, the terms that are the same in the various study cases are eliminated; so we eliminate the loss from façades, roofs and other air inlets or outlets that are not particular to the extractor fans, given that they will all be the same regardless of the system that is used.

The following continuous operating temperatures are adopted for all the systems:

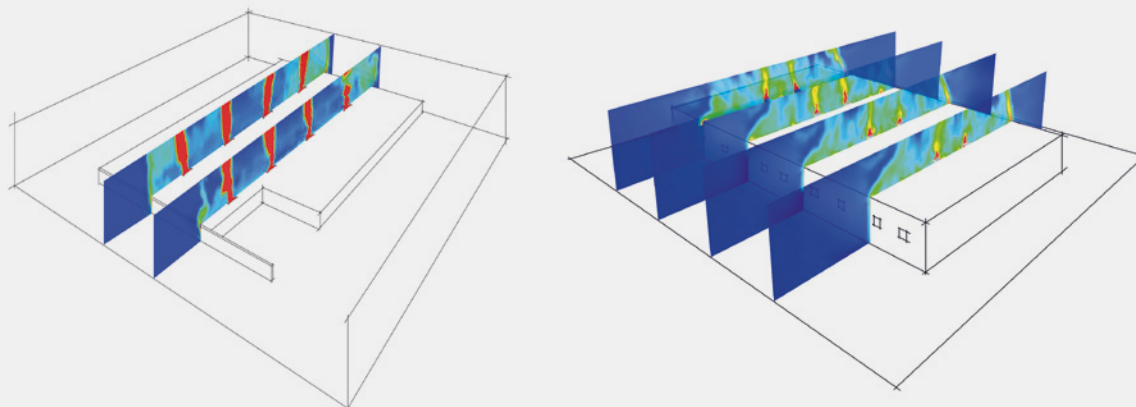
- Indoor temperature: 22°C
- Outdoor temperature: -5.6°C
- Differential: 27.6°C

Study example

Area	3,170 m ²
Height	8 m
Volume	25,360 m ³
Indoor temperature	22°C
Outdoor temperature	-5.6°C
Heating	Fan heaters
No. of fans	8 on the roof and 12 on the façade

Extractor system with HATCH-type motorised damper

As a calculation example, 8 roof extractor fans of the THT/HATCH series will be used, size 100, roof-mounted, and 12 Wall system extractor fans of the THT/WALL series will be used, size 90, installed on the façade. Taking into account the area, the thermal transmittance and the temperature differential, the total heat loss of the extractor fan assembly will be: **$Q_{total} = 1.3 \text{ kW}\cdot\text{h}$**



Current extractor fan system with free air outlet

As a calculation example, 8 roof-mounted axial extractor fans, size 100, installed on the roof and 12 wall-mounted axial extractor fans installed on the façade are used. Taking into account the amount of air that is circulating indoors and outdoors, the thermal transmittance and the temperature differential, the total heat loss of the extractor fan assembly will be: **$Q_{total} = 251 \text{ kW}\cdot\text{h}$**

The difference in heat loss between the two systems will be **$249.7 \text{ kW}\cdot\text{h}$**

Energy savings

Comparison of heat loss between the two systems

The difference in heat loss in favour of the HATCH system equals a consumption difference in $\text{kW}\cdot\text{h}$. In the study that was conducted, **the energy savings per hour of the new system will be $249.7 \text{ kW}\cdot\text{h}$.**

Comparison of consumed energy costs

Based on an average price of $\text{€}0.1/\text{kW}\cdot\text{h}$ and regarding the heat loss savings equivalent to $249.7 \text{ kW}\cdot\text{h}$ in one day under the specified temperature conditions, **the savings would be $\text{€}600/\text{day}$ $\text{€}4,200/\text{week}$ or $\text{€}18,000/\text{month}$.**

Amortization of new equipment

The cost savings achieved, at a time when energy savings is so important, justifies investing in these new ventilation systems, and these systems **can be amortized in a very short time.**



Available in:



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Quickly browse through the catalogue using the tabs

Examine the **curves and characteristics** of the models



Full information about the selected models

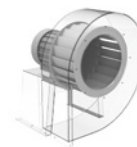
A powerful product selection tool

Compare different models

Project module

Prepare technical reports in minutes

- Selection hundreds of models in a single step.
- Mass load your data in Excel.
- Edit and process the technical data sheets.
- Print out the report with a contents table and cover.



CAD 3D models



Available formats

Overpressure calculation in staircase areas

- Quickly calculate the necessary flow rate for staircase area overpressure in the most habitual systems, as required by UNE-EN 12101-6:2006.
- Easily configure the design for each floor or for evacuation route areas.



16.155
Models



6.974
Models

HATCH/HP

Dynamic discharge systems with motorised opening, equipped with roof-mount extract fan, for smoke exhaust with high thermal efficiency enclosure



Dynamic ventilators with high thermal performance enclosure, completely airtight and hermetic, with thermal break and motorised opening. Equipped with roof extractor for smoke evacuation in case of fire 400 °C/2h and 300 °C/2h.

Enclosure:

- Construction completely free of thermal bridges.
- 60 mm thick refrigerated sandwich panel sides made of two pre-coated steel sheets on the outside and inside with a high-density polyurethane (PUR) core.
- 60 mm thick cover filled with high-density polyurethane (PUR), made of galvanised sheet metal and coated on the outside.
- Adapter socket (or skirting) for correct and easy installation on the roof.
- Air permeability CLASS 4 (UNE-EN 12207).
- Impermeability against driving rain CLASS E 1350 (UNE-EN 12208).
- Resistance to high wind load.
- Thermal resistance of the assembly less than 0.39 W/m²·K.
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: $R_w = 32 (-2; -4)$ dB.

Opening system:

- Motorised opening arm, with encapsulated IP65 mechanism.
- Supply voltage at 230 V AC 50/60 Hz.
- System reinforced and guaranteed with more than 20,000 cycles.
- Limit switches in both positions (open and closed).
- Snow load SL 1000.
- Automatic opening by external signal from the control system (fire panel, smoke detector ...). Control systems not included in the equipment.

Fan:

- An extremely robust structure that is able to withstand severe weather changes.
- Maintenance switches for actuator and fan disconnection with auxiliary contacts.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Tubular casing in sheet steel with polyester resin anti-corrosive treatment.
- Adjustable cast aluminum impeller.
- Shielded power cable with EMC protection.

Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings and IP55 protection.
- IE3 efficiency motors.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -25 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.
- Motors can be regulated by frequency inverter, even in an emergency.

Finish:

- Anti-corrosion cover made of galvanised sheet steel coated in RAL 7016M.
- Aluminium profiles RAL 7016M.
- Side panels RAL 7016M.

On request:

- Motorised opening arm with supply voltage of 24 V DC.
- Exterior coated in any colour from the RAL chart.
- Customised finishes.

Technical characteristics

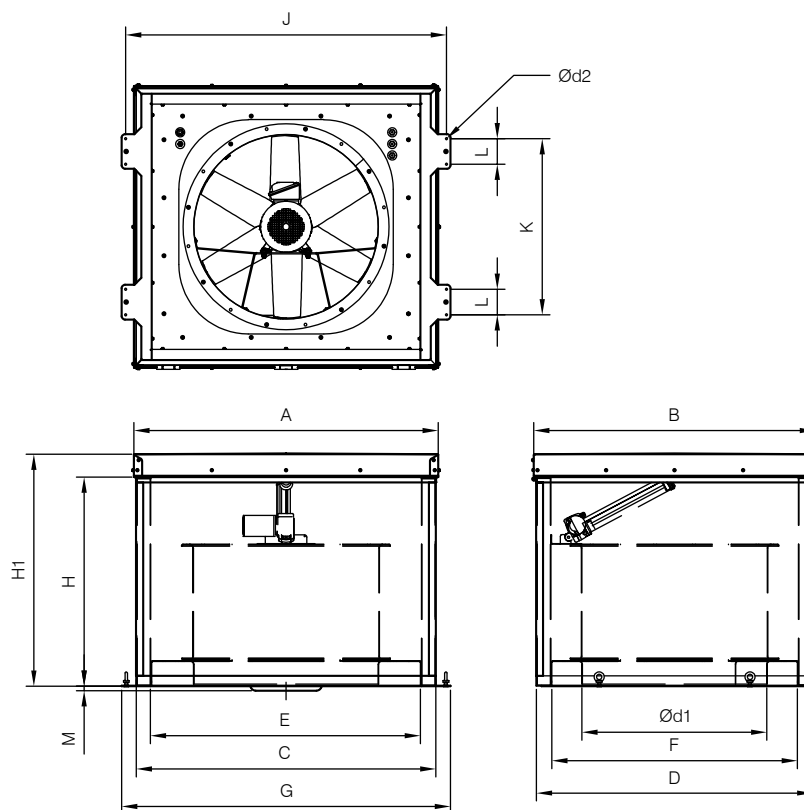
Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
HATCH/HP-40-2T-1 IE3	2850	2.76	1.59		0.75	16	6100	62	62	184
HATCH/HP-40-2T-1.5 IE3	2880	3.93	2.26		1.10	20	7040	61	61	188
HATCH/HP-45-2T-2 IE3	2880	4.91	2.84		1.50	16	9400	61	61	193
HATCH/HP-45-2T-3 IE3	2840	7.14	4.13		2.20	22	11325	61	61	194
HATCH/HP-50-2T-4 IE3	2880	9.61	5.52		3.00	16	13860	66	66	206
HATCH/HP-56-2T-5.5 IE3	2870		7.20	4.17	4.00	16	18820	68	68	226
HATCH/HP-56-2T-7.5 IE3	2910		10.10	5.80	5.50	22	22510	68	68	237
HATCH/HP-63-4T-3 IE3	1425	7.86	4.52		2.20	32	22170	58	58	262
HATCH/HP-63-4T-4 IE3	1430	11.01	6.33		3.00	38	24240	59	59	271
HATCH/HP-63-6T-1 IE3	940	3.36	1.93		0.75	38	15890	48	48	252

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
HATCH/HP-80-4T-3 IE3	1425	7.86	4.52		2.20	12	25460	65	65	280
HATCH/HP-80-4T-4 IE3	1430	11.01	6.33		3.00	16	30270	64	64	289
HATCH/HP-80-4T-5.5 IE3	1440		7.95	4.61	4.00	18	32770	63	63	295
HATCH/HP-80-4T-7.5 IE3	1460		10.40	6.04	5.50	26	39640	63	63	311
HATCH/HP-80-6T-1.5 IE3	945	4.73	2.72		1.10	18	21470	53	53	279
HATCH/HP-80-6T-2 IE3	945	6.25	3.62		1.50	26	25970	54	54	288
HATCH/HP-90-4T-7.5 IE3	1460		10.40	6.04	5.50	18	46140	67	67	392
HATCH/HP-90-4T-10 IE3	1460		14.20	8.17	7.50	22	50140	66	66	403
HATCH/HP-90-4T-15 IE3	1460		20.70	11.99	11.00	30	59390	68	68	456
HATCH/HP-90-6T-3 IE3	950	9.78	5.62		2.20	24	34000	56	56	365
HATCH/HP-90-6T-4 IE3	970	12.80	6.36		3.00	30	38910	59	59	391
HATCH/HP-100-4T-10 IE3	1460		14.20	8.17	7.50	16	57420	69	69	413
HATCH/HP-100-4T-15 IE3	1460		20.70	11.99	11.00	22	66300	69	69	466
HATCH/HP-100-4T-20 IE3	1460		27.80	16.03	15.00	28	76160	70	70	481
HATCH/HP-100-4T/9-25 IE3	1475		35.40	20.39	18.50	26	70620	70	70	535
HATCH/HP-100-4T/9-30 IE3	1475		42.20	24.44	22.00	30	74840	72	72	552
HATCH/HP-100-6T-5.5 IE3	970		8.37	4.82	4.00	26	47780	60	60	413
HATCH/HP-100-6T-7.5 IE3	970		12.30	7.07	5.50	32	53520	62	62	420

¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm



	A	B	C	D	Ød1	Ød2	E	F	G	H	H1	J	K	L	M
HATCH/HP-40	1120	1010	1100	990	400	10	960	850	1225	900	1000	1180	560	110	-
HATCH/HP-45	1120	1010	1100	990	450	10	960	850	1225	900	1000	1180	560	110	-
HATCH/HP-50	1120	1010	1100	990	500	10	960	850	1225	900	1000	1180	560	110	-
HATCH/HP-56	1120	1010	1100	990	560	10	960	850	1225	900	1000	1180	560	110	-
HATCH/HP-63	1315	1215	1295	1195	630	10	1155	1055	1420	900	1000	1385	760	110	-
HATCH/HP-80	1315	1215	1295	1195	800	10	1155	1055	1420	900	1000	1385	760	110	-
HATCH/HP-90	1520	1420	1500	1400	900	10	1360	1260	1625	900	1000	1560	760	110	-
HATCH/HP-90-4T-15	1520	1420	1500	1400	900	10	1360	1260	1625	900	1000	1560	760	110	40
HATCH/HP-100	1520	1420	1500	1400	1000	10	1360	1260	1625	900	1000	1560	760	110	-
HATCH/HP-100-4T-15	1520	1420	1500	1400	1000	10	1360	1260	1625	900	1000	1560	760	110	80
HATCH/HP-100-4T-20	1520	1420	1500	1400	1000	10	1360	1260	1625	900	1000	1560	760	110	80
HATCH/HP-100-4T/9-25	1520	1420	1500	1400	1000	10	1360	1260	1625	900	1000	1560	760	110	125
HATCH/HP-100-4T/9-30	1520	1420	1500	1400	1000	10	1360	1260	1625	900	1000	1560	760	110	125

HCT/HATCH



Dynamic discharge systems with motorised opening function equipped with roof-mount extract fan



HCT/HATCH-40...100



HCT/HATCH-125

Dynamic discharge systems with roof-mounted extract fans and motorised opening function. Suitable for installation in industrial or commercial buildings. Can be used for ambient ventilation in the buildings in which it is installed.

Fan:

- An extremely robust structure that is able to withstand severe weather changes.
- Equipment structure made of anti-corrosive galvanised sheet steel.
- Designed to ensure watertightness.
- 100 mm thick thermal insulation for the hatch and 60 mm for the sides.
- Adapter socket (or skirting) for correct and easy installation on the roof.
- Maintenance switches for actuator and fan disconnection with auxiliary contacts.
- Tubular casing in sheet steel with polyester resin anti-corrosive treatment.
- Cast aluminium impellers.
- Models 125 with 6 or 9 blade cast aluminum impellers, with adjustable angle of inclination.
- Thermal resistance of the assembly less than 0.47 W/m²·K.

Opening system:

- Motorised opening arm, with encapsulated IP65 mechanism.
- Supply voltage at 230 V AC 50/60 Hz.
- System reinforced and guaranteed with more than 11,000 cycles.
- Snow load SL 1000.

- Automatic opening by external signal from the control system (fire panel, smoke detector ...). Control systems not included in the equipment.
- Limit switches in both positions (open and closed).

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 and IP55 protection.
- 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:

- Galvanised steel sheet.

On request:

- Polyester resin anti-corrosive paint finish.
- Motorised opening arms with supply voltage of 24 V DC.
- Protection grille against contact according to UNE-EN ISO 12499 for inlet and/or outlet.

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
HCT/HATCH-40-2T-1.5 IE3	2830	4.03	2.34		1.10	7030	61	61	188
HCT/HATCH-45-2T-2 IE3	2875	5.34	3.07		1.50	9395	61	61	193
HCT/HATCH-45-2T-3 IE3	2910	7.32	4.21		2.20	11325	61	61	194
HCT/HATCH-45-4T-0.5	1370	2.02	1.17		0.37	7100	48	48	189

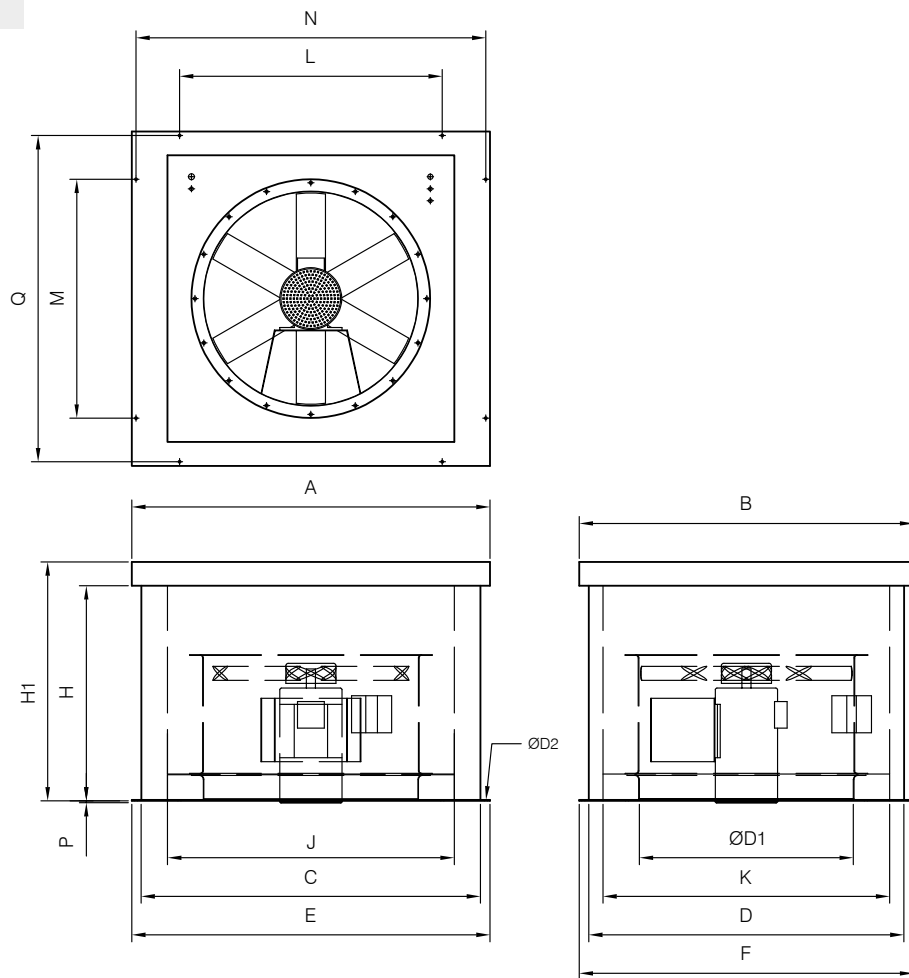
Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
HCT/HATCH-50-4T-0.75	1380	2.17	1.25		0.55	9730	50	50	194
HCT/HATCH-56-4T-1 IE3	1420	2.82	1.62		0.75	11270	53	53	202
HCT/HATCH-56-4T-1.5 IE3	1455	4.07	2.34		1.10	13605	53	53	201
HCT/HATCH-56-4T-2 IE3	1440	5.41	3.11		1.50	15025	54	54	205
HCT/HATCH-56-6T-0.75	900	2.99	1.73		0.55	10000	44	44	201
HCT/HATCH-63-4T-1 IE3	1420	2.82	1.62		0.75	15185	57	57	206
HCT/HATCH-63-4T-1.5 IE3	1455	4.07	2.34		1.10	17795	56	56	208
HCT/HATCH-63-4T-2 IE3	1440	5.41	3.11		1.50	19275	56	56	212
HCT/HATCH-63-4T-3 IE3	1435	7.93	4.56		2.20	22165	58	58	221
HCT/HATCH-63-4T-4 IE3	1440	10.70	6.15		3.00	24240	59	59	230
HCT/HATCH-63-6T-0.75	900	2.99	1.73		0.55	13590	47	47	249
HCT/HATCH-71-4T-2 IE3	1440	5.41	3.11		1.50	20915	60	60	260
HCT/HATCH-71-4T-3 IE3	1435	7.93	4.56		2.20	25110	60	60	269
HCT/HATCH-71-4T-4 IE3	1440	10.70	6.15		3.00	27480	60	60	278
HCT/HATCH-71-6T-1 IE3	940	3.36	1.93		0.75	17305	50	50	260
HCT/HATCH-71-6T-1.5 IE3	945	4.68	2.69		1.10	19930	51	51	268
HCT/HATCH-80-4T-3 IE3	1435	7.93	4.56		2.20	25450	65	65	280
HCT/HATCH-80-4T-4 IE3	1440	10.70	6.15		3.00	30270	64	64	289
HCT/HATCH-80-4T-5.5 IE3	1450	13.90	8.00		4.00	32765	63	63	295
HCT/HATCH-80-6T-1.5 IE3	945	4.68	2.69		1.10	21470	53	53	279
HCT/HATCH-80-6T-2 IE3	950	6.43	3.70		1.50	25965	54	54	288
HCT/HATCH-90-4T-5.5 IE3	1450	13.90	8.00		4.00	38880	68	68	318
HCT/HATCH-90-4T-7.5 IE3	1465		10.30	5.97	5.50	46135	67	67	344
HCT/HATCH-90-4T-10 IE3	1465		13.90	8.06	7.50	50140	66	66	293
HCT/HATCH-90-6T-2 IE3	950	6.43	3.70		1.50	28775	56	56	311
HCT/HATCH-90-6T-3 IE3	950	9.08	5.22		2.20	33995	56	56	365
HCT/HATCH-90-6T-4 IE3	970	12.00	6.91		3.00	38910	59	59	391
HCT/HATCH-100-4T-7.5 IE3	1465		10.30	5.97	5.50	46860	72	72	400
HCT/HATCH-100-4T-10 IE3	1465		13.90	8.06	7.50	57415	69	69	411
HCT/HATCH-100-4T-15 IE3	1470		20.90	12.10	11.00	66300	69	69	466
HCT/HATCH-100-4T-20 IE3	1465		27.90	16.20	15.00	76155	70	70	481
HCT/HATCH-100-6T-3 IE3	950	9.08	5.22		2.20	37615	60	60	375
HCT/HATCH-100-6T-4 IE3	970	12.00	6.91		3.00	41170	59	59	401
HCT/HATCH-100-6T-5.5 IE3	960	15.60	8.99		4.00	47780	60	60	413
HCT/HATCH-125-4T/6-25 IE3	1470		35.10	20.30	18.50	92545	76	76	746
HCT/HATCH-125-4T/6-30 IE3	1470		41.00	23.80	22.00	98830	75	75	760
HCT/HATCH-125-4T/6-40 IE3	1480		57.10	33.10	30.00	117455	75	75	841
HCT/HATCH-125-4T/6-50 IE3	1480		66.80	38.70	37.00	131065	75	75	889
HCT/HATCH-125-4T/9-25 IE3	1470		35.10	20.30	18.50	79670	77	77	755
HCT/HATCH-125-4T/9-30 IE3	1470		41.00	23.80	22.00	88280	76	76	769
HCT/HATCH-125-4T/9-40 IE3	1480		57.10	33.10	30.00	104040	75	75	850
HCT/HATCH-125-4T/9-50 IE3	1480		66.80	38.70	37.00	118400	75	75	898
HCT/HATCH-125-6T/6-5.5 IE3	960	15.60	8.99		4.00	51500	67	67	611
HCT/HATCH-125-6T/6-7.5 IE3	970		11.20	6.49	5.50	60635	65	65	618
HCT/HATCH-125-6T/6-10 IE3	975		14.80	8.58	7.50	72645	64	64	643
HCT/HATCH-125-6T/6-15 IE3	975		21.90	12.70	11.00	85870	64	64	673
HCT/HATCH-125-6T/6-20 IE3	975		28.20	16.30	15.00	92855	66	66	746
HCT/HATCH-125-6T/9-10 IE3	975		14.80	8.58	7.50	63485	67	67	652
HCT/HATCH-125-6T/9-15 IE3	975		21.90	12.70	11.00	77570	65	65	682
HCT/HATCH-125-6T/9-20 IE3	975		28.20	16.30	15.00	92970	65	65	755

¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm

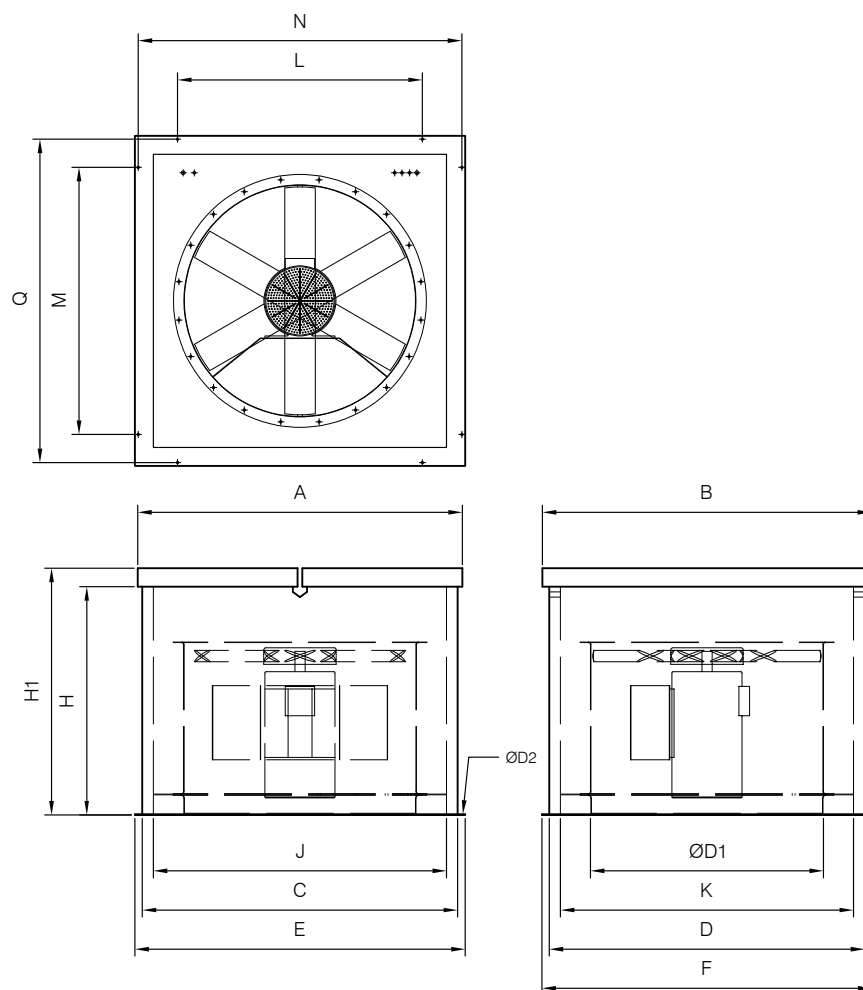
HCT/HATCH-40...100



	A	B	C	D	$\varnothing D_1$	$\varnothing D_2$	E	F	H	H1	J	K	L	M	N	P	Q
HCT/HATCH-40	1100	1000	1020	920	400	13	1100	1000	900	1000	900	800	700	600	1065	-	965
HCT/HATCH-45	1100	1000	1020	920	450	13	1100	1000	900	1000	900	800	700	600	1065	-	965
HCT/HATCH-50	1100	1000	1020	920	500	13	1100	1000	900	1000	900	800	700	600	1065	-	965
HCT/HATCH-56	1100	1000	1020	920	560	13	1100	1000	900	1000	900	800	700	600	1065	-	965
HCT/HATCH-63	1300	1200	1220	1120	630	13	1300	1200	900	1000	1100	1000	900	800	1265	-	1165
HCT/HATCH-71	1300	1200	1220	1120	710	13	1300	1200	900	1000	1100	1000	900	800	1265	-	1165
HCT/HATCH-80	1300	1200	1220	1120	800	13	1300	1200	900	1000	1100	1000	900	800	1265	-	1165
HCT/HATCH-90-4T-5.5	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	-	1365
HCT/HATCH-90-4T-7.5	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
HCT/HATCH-90-4T-10	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
HCT/HATCH-90-6T-2	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	-	1365
HCT/HATCH-90-6T-3	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	-	1365
HCT/HATCH-90-6T-4	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
HCT/HATCH-100-4T-7.5	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
HCT/HATCH-100-4T-10	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
HCT/HATCH-100-4T-15	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	68	1365
HCT/HATCH-100-4T-20	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	128	1365
HCT/HATCH-100-6T-3	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	-	1365
HCT/HATCH-100-6T-4	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
HCT/HATCH-100-6T-5.5	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365

Dimensions mm

HCT/HATCH-125



	A	B	C	D	ØD1	ØD2	E	F	H	H1	J	K	L	M	N	Q
HCT/HATCH-125	1750	1775	1700	1700	1245	13	1780	1780	1230	1330	1580	1580	1320	1440	1744	1744

THT/HATCH

400 °C/2h and 300 °C/2h rated dynamic discharge system with motorised opening function, equipped with roof mounted extractor, for smoke exhaust in the event of fire



THT/HATCH-40...100



THT/HATCH-125

Dynamic discharge systems with roof-mounted extract fans and motorised opening function. Specially designed for the fast, effective exhaust of harmful smoke and gases in the event of fire. Suitable for installation in industrial or commercial buildings. The rapid smoke extract permits the efficient intervention of fire fighters, fast evacuation of people and prevents new sources of fire and greater structural damage to the building. Can also be used for ambient ventilation in the buildings in which it is installed.

Fan:

- An extremely robust structure that is able to withstand severe weather changes.
- Equipment structure made of anti-corrosive galvanised sheet steel.
- Designed to ensure watertightness.
- 100 mm thick thermal insulation for the hatch and 60 mm for the sides.
- Adapter socket (or skirting) for correct and easy installation on the roof.
- Maintenance switches for actuator and fan disconnection with auxiliary contacts.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Tubular casing in sheet steel with polyester resin anti-corrosive treatment.
- Adjustable cast aluminum impeller.
- Shielded power cable with EMC protection.
- Thermal resistance of the assembly less than 0.47 W/m²·K.

Opening system:

- Motorised opening arm, with encapsulated IP65 mechanism.
- Supply voltage at 230 V AC 50/60 Hz.
- System reinforced and guaranteed with more than 11,000 cycles.
- Snow load SL 1000.
- Automatic opening by external signal from the control system (fire panel, smoke detector ...). Control systems not included in the equipment.
- Limit switches in both positions (open and closed).

Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings and IP55 protection.
- IE3 efficiency motors.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -25 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.

Finish:

- Galvanised steel sheet.

On request:

- Polyester resin anti-corrosive paint finish.
- Motorised opening arms with supply voltage of 24 V DC.
- Protection grille against contact according to UNE-EN ISO 12499 for inlet and/or outlet.

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
THT/HATCH-40-2T-1 IE3	2850	2.76	1.59		0.75	16	6100	62	62	184
THT/HATCH-40-2T-1.5 IE3	2880	3.93	2.26		1.10	20	7040	61	61	188
THT/HATCH-45-2T-2 IE3	2880	4.91	2.84		1.50	16	9400	61	61	193

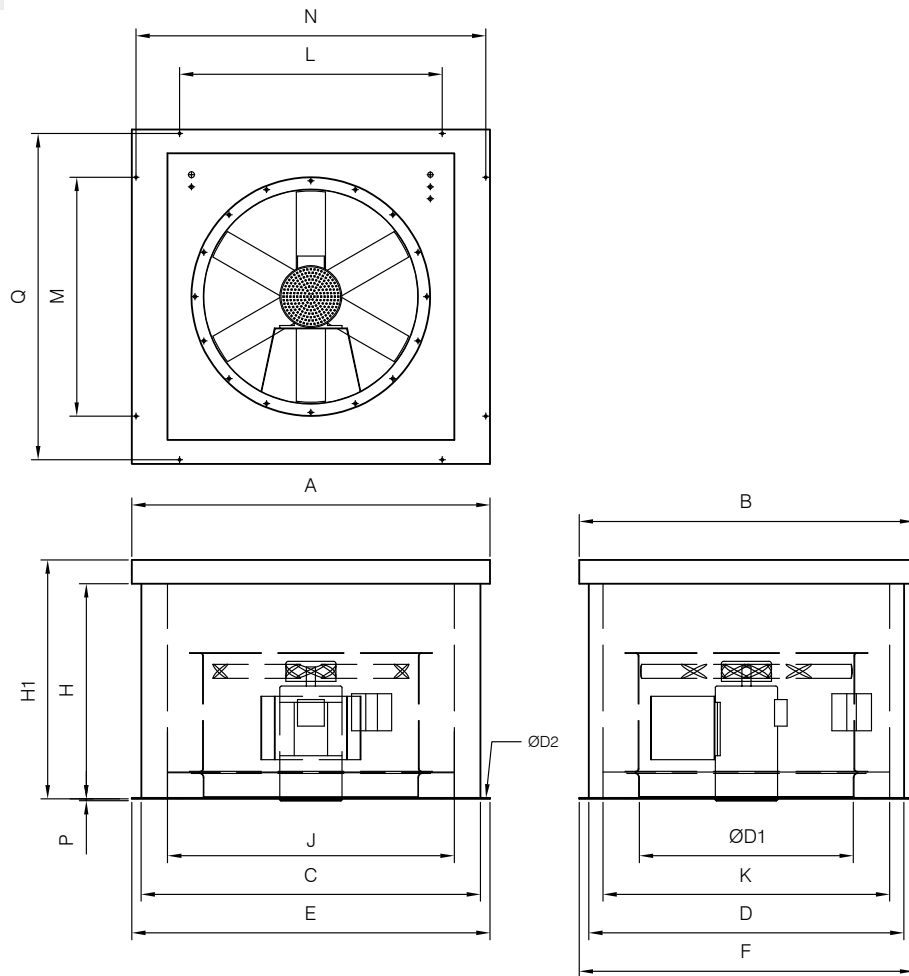
Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
THT/HATCH-45-2T-3 IE3	2840	7.14	4.13		2.20	22	11325	61	61	194
THT/HATCH-50-2T-4 IE3	2880	9.61	5.52		3.00	16	13860	66	66	206
THT/HATCH-56-2T-5.5 IE3	2870		7.20	4.17	4.00	16	18820	68	68	226
THT/HATCH-56-2T-7.5 IE3	2910		10.10	5.80	5.50	22	22510	68	68	237
THT/HATCH-63-4T-3 IE3	1425	7.86	4.52		2.20	32	22170	58	58	262
THT/HATCH-63-4T-4 IE3	1430	11.01	6.33		3.00	38	24240	59	59	271
THT/HATCH-63-6T-1 IE3	940	3.36	1.93		0.75	38	15890	48	48	252
THT/HATCH-80-4T-3 IE3	1425	7.86	4.52		2.20	12	25460	65	65	280
THT/HATCH-80-4T-4 IE3	1430	11.01	6.33		3.00	16	30270	64	64	289
THT/HATCH-80-4T-5.5 IE3	1440		7.95	4.61	4.00	18	32770	63	63	295
THT/HATCH-80-4T-7.5 IE3	1460		10.40	6.04	5.50	26	39640	63	63	311
THT/HATCH-80-6T-1.5 IE3	945	4.73	2.72		1.10	18	21470	53	53	279
THT/HATCH-80-6T-2 IE3	945	6.25	3.62		1.50	26	25970	54	54	288
THT/HATCH-90-4T-7.5 IE3	1460		10.40	6.04	5.50	18	46140	67	67	392
THT/HATCH-90-4T-10 IE3	1460		14.20	8.17	7.50	22	50140	66	66	403
THT/HATCH-90-4T-15 IE3	1460		20.70	11.99	11.00	30	59390	68	68	456
THT/HATCH-90-6T-3 IE3	950	9.78	5.62		2.20	24	34000	56	56	365
THT/HATCH-90-6T-4 IE3	970	12.80	6.36		3.00	30	38910	59	59	391
THT/HATCH-100-4T-10 IE3	1460		14.20	8.17	7.50	16	57420	69	69	413
THT/HATCH-100-4T-15 IE3	1460		20.70	11.99	11.00	22	66300	69	69	466
THT/HATCH-100-4T-20 IE3	1460		27.80	16.03	15.00	28	76160	70	70	481
THT/HATCH-100-4T/9-25 IE3	1475		35.40	20.39	18.50	26	70620	70	70	535
THT/HATCH-100-4T/9-30 IE3	1475		42.20	24.44	22.00	30	74840	72	72	552
THT/HATCH-100-6T-5.5 IE3	970		8.37	4.82	4.00	26	47780	60	60	413
THT/HATCH-100-6T-7.5 IE3	970		12.30	7.07	5.50	32	53520	62	62	420
THT/HATCH-125-4T/6-25 IE3	1465		35.40	20.39	18.50	14	92550	76	76	746
THT/HATCH-125-4T/6-30 IE3	1470		42.20	24.44	22.00	16	98830	75	75	760
THT/HATCH-125-4T/6-40 IE3	1475		53.30	31.02	30.00	22	117450	75	75	841
THT/HATCH-125-4T/6-50 IE3	1480		66.40	38.26	37.00	26	131050	75	75	889
THT/HATCH-125-4T/9-25 IE3	1465		35.40	20.39	18.50	10	79650	77	77	755
THT/HATCH-125-4T/9-30 IE3	1470		42.20	24.44	22.00	12	88290	76	76	769
THT/HATCH-125-4T/9-40 IE3	1475		53.30	31.02	30.00	16	104040	75	75	850
THT/HATCH-125-4T/9-50 IE3	1480		66.40	38.26	37.00	20	118400	75	75	898
THT/HATCH-125-6T/6-5.5 IE3	970		8.37	4.82	4.00	10	51500	67	67	611
THT/HATCH-125-6T/6-7.5 IE3	970		12.30	7.07	5.50	14	60640	65	65	618
THT/HATCH-125-6T/6-10 IE3	960		15.20	8.83	7.50	20	72650	64	64	643
THT/HATCH-125-6T/6-15 IE3	955		22.50	13.07	11.00	26	85850	64	64	673
THT/HATCH-125-6T/6-20 IE3	950		29.00	16.78	15.00	30	92850	66	66	746
THT/HATCH-125-6T/9-10 IE3	960		15.20	8.83	7.50	14	63490	67	67	652
THT/HATCH-125-6T/9-15 IE3	955		22.50	13.07	11.00	20	77550	65	65	682
THT/HATCH-125-6T/9-20 IE3	950		29.00	16.78	15.00	26	92950	65	65	755

¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm

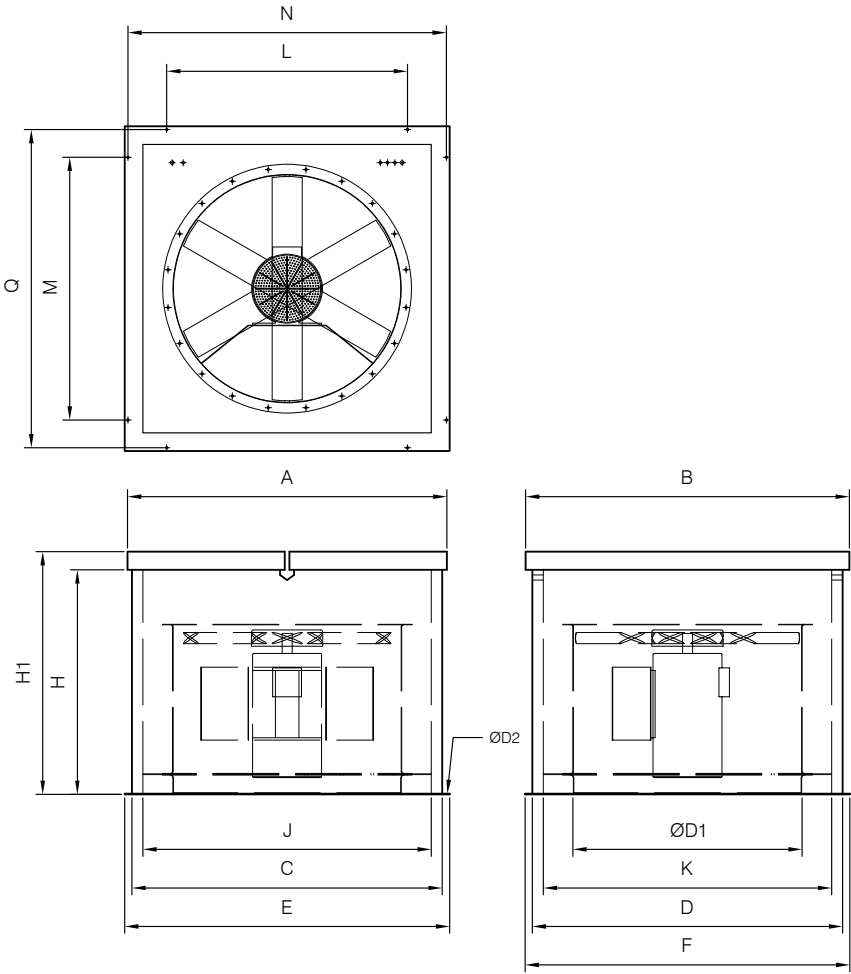
THT/HATCH-40...100



	A	B	C	D	ØD1	ØD2	E	F	H	H1	J	K	L	M	N	P	Q
THT/HATCH-40	1100	1000	1020	920	400	13	1100	1000	900	1000	900	800	700	600	1065	-	965
THT/HATCH-45	1100	1000	1020	920	450	13	1100	1000	900	1000	900	800	700	600	1065	-	965
THT/HATCH-50	1100	1000	1020	920	500	13	1100	1000	900	1000	900	800	700	600	1065	-	965
THT/HATCH-56	1100	1000	1020	920	560	13	1100	1000	900	1000	900	800	700	600	1065	-	965
THT/HATCH-63	1300	1200	1220	1120	630	13	1300	1200	900	1000	1100	1000	900	800	1265	-	1165
THT/HATCH-80	1300	1200	1220	1120	800	13	1300	1200	900	1000	1100	1000	900	800	1265	-	1165
THT/HATCH-90	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	-	1365
THT/HATCH-90-4T-10	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
THT/HATCH-90-4T-15	1500	1400	1420	1320	900	13	1500	1400	900	1000	1300	1200	1100	1000	1465	68	1365
THT/HATCH-100-4T-10	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365
THT/HATCH-100-4T-15	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	68	1365
THT/HATCH-100-4T-20	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	128	1365
THT/HATCH-100-4T/9-25	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	112	1365
THT/HATCH-100-4T/9-30	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	142	1365
THT/HATCH-100-6T	1500	1400	1420	1320	1000	13	1500	1400	900	1000	1300	1200	1100	1000	1465	8	1365

Dimensions mm

THT/HATCH-125



	A	B	C	D	ØD1	ØD2	E	F	H	H1	J	K	L	M	N	Q
THT/HATCH-125	1750	1775	1700	1700	1245	13	1780	1780	1230	1330	1580	1580	1320	1440	1744	1744

THT/WALL

Dynamic wall mounted extractor fans with motorised hatch, for smoke exhaust in case of fires, 400 °C/2h and 300 °C/2h



Dynamic wall-mount extractor fans with motorised opening system for connection to extract duct. Specially designed for the fast, effective exhaust of harmful smoke and gases in the event of fire. Suitable for installation in industrial buildings, stores or in any other type of building. Can be used for ambient ventilation.

Fan:

- Helicoidal casing support and fixing flange to allow easy wall anchorage and installation.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Tubular casing in sheet steel with polyester resin anti-corrosive treatment.
- Variable angle impeller made of cast aluminium.
- Shielded power cable with EMC protection.
- Airflow direction from motor to impeller.

Extruded aluminum hatch:

- An extremely robust structure that is able to withstand severe weather changes.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Position indicators in both positions (open and closed).
- Upper and lower opening mounting versions.

- Manual opening system.
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: $R_w = 27$ (0;-2) dB.

Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings, IP55 protection and 1 or 2 speeds, depending on model.
- IE3 efficiency motors.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -25 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.

Actuator:

- Reliability greater than 20,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.
- Protection at the leading edge when closing the hatch.
- The stop in the closed position is regulated by an electronic limit switch.

Hatch finish:

- Anti-corrosive in extruded aluminum.
- RAL 7024M supplied as standard. Any other RAL can be supplied on demand.

On request:

- Actuator with 24 V DC supply voltage.

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
THT/WALL-40-2T-1 IE3	2850	2.76	1.59		0.75	16	6100	62	62	62
THT/WALL-40-2T-1.5 IE3	2880	3.93	2.26		1.10	20	7040	61	61	63
THT/WALL-45-2T-2 IE3	2880	4.91	2.84		1.50	16	9400	61	61	67
THT/WALL-45-2T-3 IE3	2840	7.14	4.13		2.20	22	11325	61	61	68
THT/WALL-50-2T-4 IE3	2880	9.61	5.52		3.00	16	13860	66	66	84

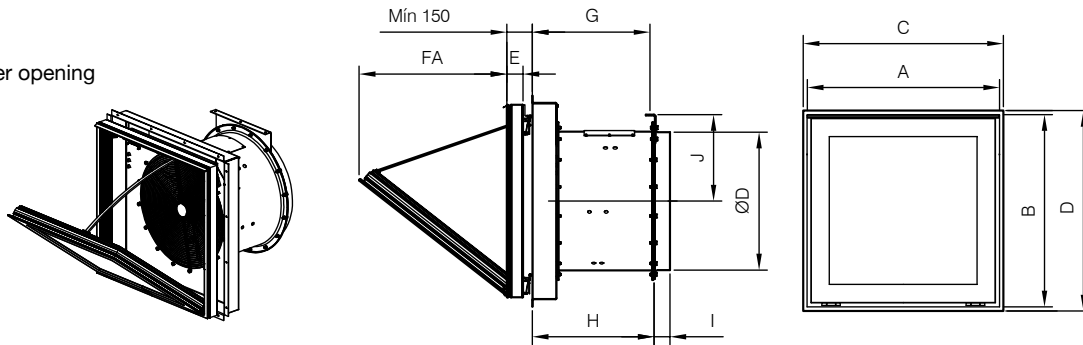
Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
THT/WALL-50-2T-5.5 IE3	2870		7.20	4.17	4.00	20	15900	66	66	100
THT/WALL-56-2T-5.5 IE3	2870		7.20	4.17	4.00	16	18820	68	68	105
THT/WALL-56-2T-7.5 IE3	2910		10.10	5.80	5.50	22	22510	68	68	107
THT/WALL-56-4T-2 IE3	1440	5.89	3.38		1.50	36	15020	54	54	84
THT/WALL-63-4T-3 IE3	1425	7.86	4.52		2.20	32	22170	58	58	131
THT/WALL-63-4T-4 IE3	1430	11.01	6.33		3.00	38	24240	59	59	132
THT/WALL-63-6T-1 IE3	940	3.36	1.93		0.75	38	15890	48	48	121
THT/WALL-71-4T-3 IE3	1425	7.86	4.52		2.20	22	25100	60	60	124
THT/WALL-71-4T-4 IE3	1430	11.01	6.33		3.00	28	27480	60	60	133
THT/WALL-71-4T-5.5 IE3	1440		7.95	4.61	4.00	38	32250	61	61	143
THT/WALL-71-6T-1.5 IE3	945	4.73	2.72		1.10	34	19930	51	51	123
THT/WALL-80-4T-3 IE3	1425	7.86	4.52		2.20	12	25460	65	65	138
THT/WALL-80-4T-4 IE3	1430	11.01	6.33		3.00	16	30270	64	64	147
THT/WALL-80-4T-5.5 IE3	1440		7.95	4.61	4.00	18	32770	63	63	153
THT/WALL-80-4T-7.5 IE3	1460		10.40	6.04	5.50	26	39640	63	63	154
THT/WALL-80-6T-1.5 IE3	945	4.73	2.72		1.10	18	21470	53	53	137
THT/WALL-80-6T-2 IE3	945	6.25	3.62		1.50	26	25970	54	54	146
THT/WALL-90-4T-7.5 IE3	1460		10.40	6.04	5.50	18	46140	67	67	222
THT/WALL-90-4T-10 IE3	1460		14.20	8.17	7.50	22	50140	66	66	233
THT/WALL-90-4T-15 IE3	1460		20.70	11.99	11.00	30	59390	68	68	242
THT/WALL-90-6T-3 IE3	950	9.78	5.62		2.20	24	34000	56	56	195
THT/WALL-90-6T-4 IE3	970	12.80	6.36		3.00	30	38910	59	59	221
THT/WALL-100-4T-10 IE3	1460		14.20	8.17	7.50	16	57420	69	69	239
THT/WALL-100-4T-15 IE3	1460		20.70	11.99	11.00	22	66300	69	69	292
THT/WALL-100-4T-20 IE3	1460		27.80	16.03	15.00	28	76160	70	70	307
THT/WALL-100-6T-5.5 IE3	970		8.37	4.82	4.00	26	47780	60	60	239
THT/WALL-100-6T-7.5 IE3	970		12.30	7.07	5.50	32	53520	62	62	276
THT/WALL-125-4T/6-20 IE3	1460		27.80	16.03	15.00	10	78600	77	77	462
THT/WALL-125-4T/6-25 IE3	1465		35.40	20.39	18.50	14	92550	76	76	530
THT/WALL-125-4T/6-30 IE3	1470		42.20	24.44	22.00	16	98830	75	75	544
THT/WALL-125-4T/6-40 IE3	1475		53.30	31.02	30.00	22	117450	75	75	625
THT/WALL-125-4T/6-50 IE3	1480		66.40	38.26	37.00	26	131050	75	75	673
THT/WALL-125-4T/9-25 IE3	1465		35.40	20.39	18.50	10	79650	77	77	539
THT/WALL-125-4T/9-30 IE3	1470		42.20	24.44	22.00	12	88290	76	76	553
THT/WALL-125-4T/9-40 IE3	1475		53.30	31.02	30.00	16	104040	75	75	634
THT/WALL-125-4T/9-50 IE3	1480		66.40	38.26	37.00	20	118400	75	75	682
THT/WALL-125-4T/12-30 IE3	1475		42.20	24.44	22.00	10	62900	78	78	569
THT/WALL-125-4T/12-40 IE3	1470		53.30	31.02	30.00	14	79180	77	77	650
THT/WALL-125-4T/12-50 IE3	1480		66.40	38.26	37.00	18	95715	76	76	693
THT/WALL-125-6T/6-5.5 IE3	970		8.37	4.82	4.00	10	51500	67	67	395
THT/WALL-125-6T/6-7.5 IE3	970		12.30	7.07	5.50	14	60640	65	65	402
THT/WALL-125-6T/6-10 IE3	960		15.20	8.83	7.50	20	72650	64	64	427
THT/WALL-125-6T/6-15 IE3	955		22.50	13.07	11.00	26	85850	64	64	457
THT/WALL-125-6T/6-20 IE3	950		29.00	16.78	15.00	30	92850	66	66	530
THT/WALL-125-6T/9-10 IE3	960		15.20	8.83	7.50	14	63490	67	67	436
THT/WALL-125-6T/9-15 IE3	955		22.50	13.07	11.00	20	77550	65	65	466
THT/WALL-125-6T/9-20 IE3	950		29.00	16.78	15.00	26	92950	65	65	539
THT/WALL-125-6T/9-25 IE3	975		36.10	20.77	18.50	32	96500	67	67	569
THT/WALL-125-6T/12-25 IE3	975		36.10	20.77	18.50	28	91680	67	67	579
THT/WALL-125-6T/12-30 IE3	975		42.30	24.35	22.00	32	102050	68	68	621
THT/WALL-125-6T/12-40 IE3	980		56.00	32.50	30.00	38	115950	72	72	739

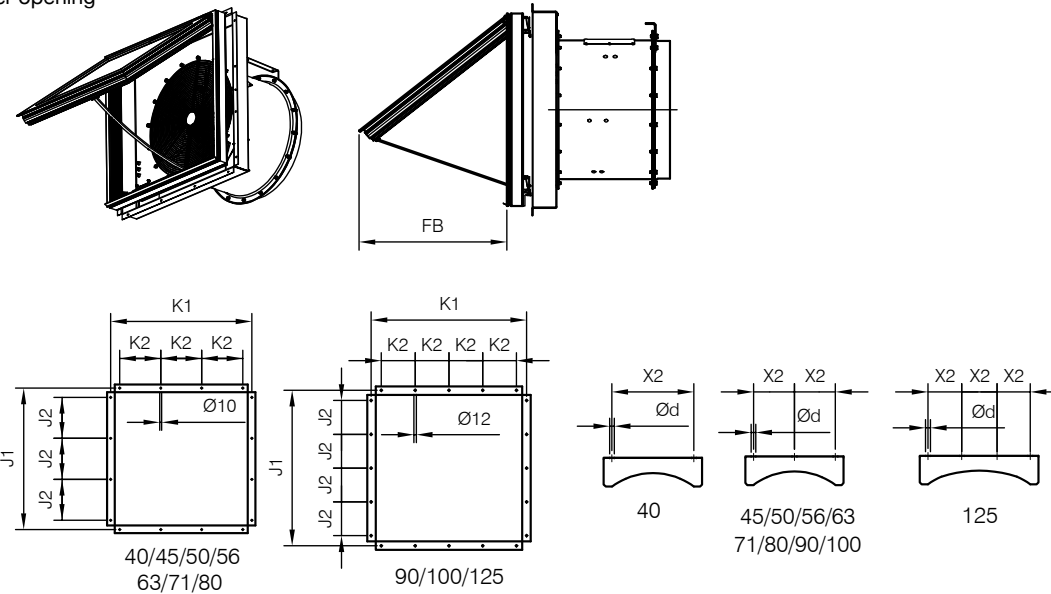
¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm

A = Upper opening



B = Lower opening



	A	B	C	D	ØD*	I	J	H	G	E	FA	FB	J1	J2	K1	K2	X2	ød
THT/WALL-40	640	590	650	600	400	80	255	530	510	82	460	460	740	200	740	200	200	10
THT/WALL-45	640	590	650	600	450	80	280	530	510	82	460	460	740	200	740	200	200	12
THT/WALL-50	690	690	700	700	500	80	305	530	510	82	551	551	830	220	830	220	200	12
THT/WALL-56	690	690	700	700	560	80	340	530	510	82	551	551	830	220	830	220	215	13
THT/WALL-56-2T-7.5	690	690	700	700	560	80	340	630	610	82	551	551	830	220	830	220	215	13
THT/WALL-63	990	990	1000	1000	630	80	385	630	605	82	875	875	1090	300	1090	300	215	13
THT/WALL-63-6T-1	990	990	1000	1000	630	80	385	530	505	82	875	875	1090	300	1090	300	215	13
THT/WALL-71	990	990	1000	1000	710	80	445	630	605	82	875	875	1090	300	1090	300	225	13
THT/WALL-80	990	990	1000	1000	800	100	490	630	605	82	875	875	1090	300	1090	300	280	13
THT/WALL-90	1190	1190	1200	1200	900	100	550	730	705	82	922	922	1310	250	1310	250	280	18
THT/WALL-90-4T-15	1190	1190	1200	1200	900	100	550	830	805	82	922	922	1310	250	1310	250	280	18
THT/WALL-100	1190	1190	1200	1200	1000	100	600	730	705	82	922	922	1310	250	1310	250	280	18
THT/WALL-100-4T-15	1190	1190	1200	1200	1000	100	600	830	805	82	922	922	1310	250	1310	250	280	18
THT/WALL-100-4T-20	1190	1190	1200	1200	1000	100	600	830	805	82	922	922	1310	250	1310	250	280	18
THT/WALL-125	1490	1490	1500	1500	1250	100	725	1050	1025	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-4T/6-20	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-4T/6-50	1490	1490	1500	1500	1250	100	725	1150	1125	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-4T/9-50	1490	1490	1500	1500	1250	100	725	1150	1125	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-4T/12-50	1490	1490	1500	1500	1250	100	725	1150	1125	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-6T/6-5.5	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-6T/6-7.5	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-6T/6-10	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-6T/6-15	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-6T/9-10	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18
THT/WALL-125-6T/9-15	1490	1490	1500	1500	1250	100	725	850	825	82	1176	955	1660	300	1660	300	300	18

* Recommended nominal tube diameter.
(C x D) Nominal size of the wall opening.
FA is the opening when the hatch is upper opening.
FB is the opening when the hatch is lower opening.

THT/WALL-F

Dynamic wall mounted extractor fans with motorised hatch, for smoke exhaust in case of fires, 400 °C/2h and 300 °C/2h



Dynamic wall extractor fans with motorised opening system and protective grating for use without extract duct. Specially designed for the fast, effective exhaust of harmful smoke and gases in the event of fire. Suitable for installation in industrial buildings, stores or in any other type of building. Can be used for ambient ventilation.

Fan:

- Wall fixing flange for correct and easy installation.
- Support frame in galvanised sheet steel.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Variable angle impeller made of cast aluminium.
- Shielded power cable with EMC protection.
- Airflow direction from motor to impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.

Extruded aluminum hatch:

- An extremely robust structure that is able to withstand severe weather changes.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Position indicators in both positions (open and closed).

- Upper and lower opening mounting versions.
- Manual opening system.
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: $R_w = 27 (0;-2)$ dB.

Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings, IP55 protection and 1 or 2 speeds, depending on model.
- IE3 efficiency motors.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -25 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.

Actuator:

- Reliability greater than 20,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.
- Protection at the leading edge when closing the hatch.
- The stop in the closed position is regulated by an electronic limit switch.

Hatch finish:

- Anti-corrosive in extruded aluminum.
- RAL 7024M supplied as standard. Any other RAL can be supplied on demand.

On request:

- Actuator with 24 V DC supply voltage.

Technical characteristics

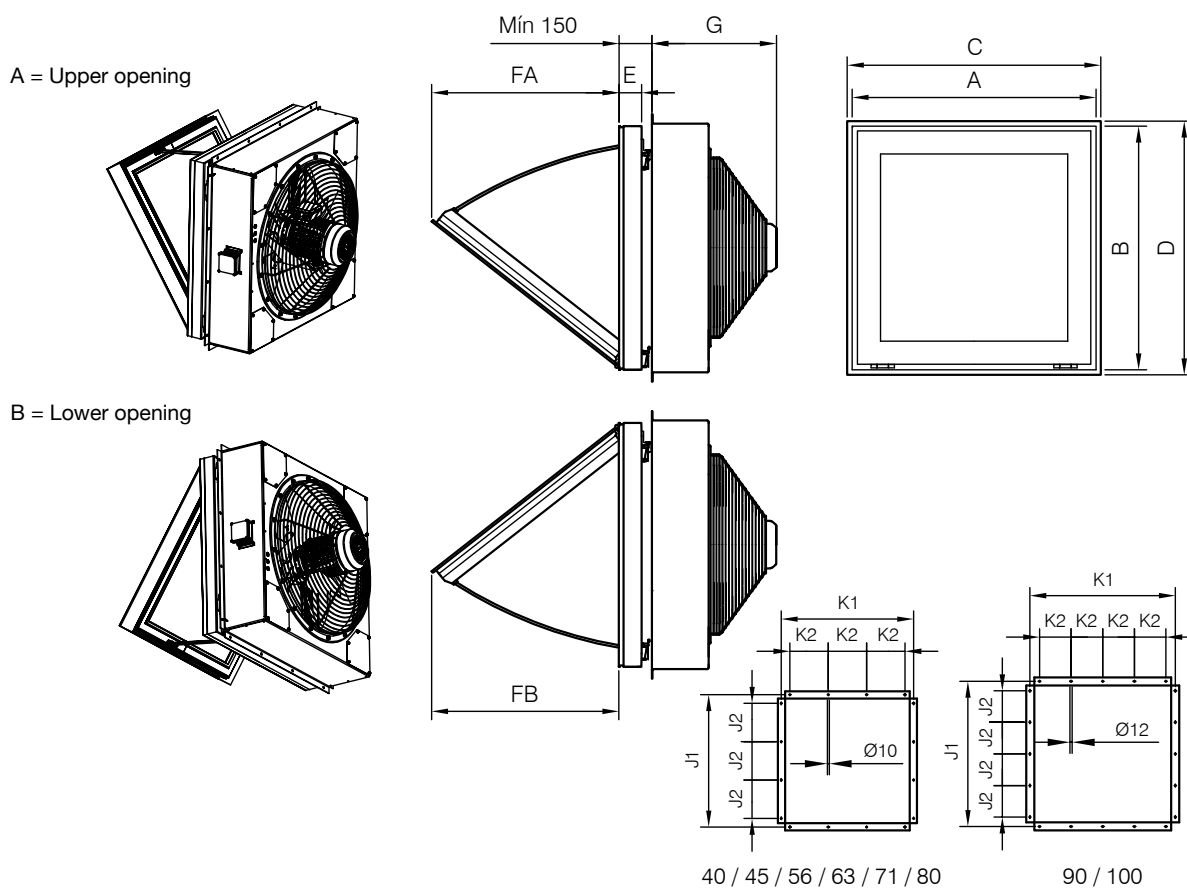
Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
THT/WALL-F-40-2T-1.5 IE3	2880	3.93	2.26		1.10	20	7040	61	61	55
THT/WALL-F-45-2T-2 IE3	2880	4.91	2.84		1.50	16	9400	61	61	63
THT/WALL-F-45-2T-3 IE3	2840	7.14	4.13		2.20	22	11325	61	61	67
THT/WALL-F-56-4T-2 IE3	1440	5.89	3.38		1.50	36	15020	54	54	69
THT/WALL-F-63-4T-3 IE3	1425	7.86	4.52		2.20	32	22170	58	58	97
THT/WALL-F-63-4T-4 IE3	1430	11.01	6.33		3.00	38	24240	59	59	103
THT/WALL-F-71-4T-3 IE3	1425	7.86	4.52		2.20	22	25100	60	60	100
THT/WALL-F-71-4T-4 IE3	1430	11.01	6.33		3.00	28	27480	60	60	106
THT/WALL-F-71-6T-1.5 IE3	945	4.73	2.72		1.10	34	19930	51	51	98
THT/WALL-F-80-4T-3 IE3	1425	7.86	4.52		2.20	12	25460	65	65	114
THT/WALL-F-80-4T-4 IE3	1430	11.01	6.33		3.00	16	30270	64	64	120
THT/WALL-F-80-4T-5.5 IE3	1440		7.95	4.61	4.00	18	32770	63	63	122
THT/WALL-F-80-4T-7.5 IE3	1460		10.4	6.04	5.50	26	39640	63	63	152
THT/WALL-F-80-6T-1.5 IE3	945	4.73	2.72		1.10	18	21470	53	53	112

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
THT/WALL-F-80-6T-2 IE3	945	6.25	3.62		1.50	26	25970	54	54	116
THT/WALL-F-90-4T-7.5 IE3	1460		10.4	6.04	5.50	18	46140	67	67	183
THT/WALL-F-90-4T-10 IE3	1460		14.2	8.17	7.50	22	50140	66	66	187
THT/WALL-F-90-6T-3 IE3	950	9.78	5.62		2.20	24	34000	56	56	145
THT/WALL-F-90-6T-4 IE3	970	12.8	6.36		3.00	30	38910	59	59	165
THT/WALL-F-100-4T-10 IE3	1460		14.2	8.17	7.50	16	57420	69	69	194
THT/WALL-F-100-4T-15 IE3	1460		20.7	11.99	11.00	22	66300	69	69	226
THT/WALL-F-100-4T-20 IE3	1460		27.8	16.03	15.00	28	76160	70	70	237
THT/WALL-F-100-6T-5.5 IE3	970		8.37	4.82	4.00	26	47780	60	60	178

¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm



	A	B	C	D	E	FA	FB	G	J1	J2	K1	K2
THT/WALL-F-40	640	590	650	600	82	460	460	375	740	200	740	200
THT/WALL-F-45	640	590	650	600	82	460	460	400	740	200	740	200
THT/WALL-F-56	690	690	700	700	82	551	551	415	830	220	830	220
THT/WALL-F-63	990	990	1000	1000	82	875	875	475	1090	300	1090	300
THT/WALL-F-71	990	990	1000	1000	82	875	875	500	1090	300	1090	300
THT/WALL-F-80	990	990	1000	1000	82	875	875	500	1090	300	1090	300
THT/WALL-F-90	1190	1190	1200	1200	82	922	922	525	1310	250	1310	250
THT/WALL-F-100	1190	1190	1200	1200	82	922	922	550	1310	250	1310	250

(C x D) Nominal size of the wall opening.
FA is the opening when the hatch is upper opening.
FB is the opening when the hatch is lower opening.

WALL/DUCT

Dynamic wall mount extractor fans fitted with motorised hatch



Dynamic wall mount extractor fans with motorised opening system for connection to extract duct. Suitable for installation in industrial buildings, stores or in any other type of building.

Fan:

- Helicoidal casing support and fixing flange to allow easy wall anchorage and installation.
- Tubular casing in sheet steel with external terminal box.
- PL impellers manufactured in polyamide 6 re-inforced with fibreglass. AL impellers manufactured in cast aluminum. Models 40-2T, 45-2T, 100-4T-15, 100-4T-20 and 125 are only supplied in AL version.
- Airflow direction from motor to impeller.

Extruded aluminum hatch:

- An extremely robust structure that is able to withstand severe weather changes.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Position indicators in both positions (open and closed).
- Upper and lower opening mounting versions.

- Manual opening system.
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: $R_w = 27$ (0;-2) dB.

Motor:

- IE3 efficiency motors.
- Class F motors with ball bearings and IP55 protection.
- 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.

Actuator:

- Reliability greater than 20,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.
- Protection at the leading edge when closing the hatch.
- The stop in the closed position is regulated by an electronic limit switch.

Hatch finish:

- Anti-corrosive in extruded aluminum.
- RAL 7024M supplied as standard. Any other RAL can be supplied on demand.

On request:

- AA: impeller-motor air direction for air entry to premises.
- Actuator with 24 V DC supply voltage.

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
WALL/DUCT-40-2T-1.5 IE3	2830	4.03	2.34		1.10	8800	64	65	55
WALL/DUCT-45-2T-2 IE3	2875	5.34	3.07		1.50	10630	67	68	64
WALL/DUCT-45-2T-3 IE3	2910	7.32	4.21		2.20	12740	69	70	68
WALL/DUCT-45-4T-0.5	1370	2.02	1.17		0.37	7100	49	50	53
WALL/DUCT-50-4T-0.75	1420	2.17	1.25		0.55	10380	53	54	63
WALL/DUCT-56-4T-1 IE3	1420	2.82	1.62		0.75	12940	56	57	71
WALL/DUCT-56-4T-1.5 IE3	1455	4.07	2.34		1.10	14000	57	58	77
WALL/DUCT-56-4T-2 IE3	1440	5.41	3.11		1.50	15290	58	59	83
WALL/DUCT-56-6T-0.75	900	2.99	1.73		0.55	10000	45	46	70
WALL/DUCT-63-4T-1 IE3	1420	2.82	1.62		0.75	14140	58	59	98
WALL/DUCT-63-4T-1.5 IE3	1455	4.07	2.34		1.10	17000	59	60	104
WALL/DUCT-63-4T-2 IE3	1440	5.41	3.11		1.50	18900	60	61	111
WALL/DUCT-63-4T-3 IE3	1435	7.93	4.56		2.20	22090	61	62	113
WALL/DUCT-63-4T-4 IE3	1440	10.70	6.15		3.00	25390	62	63	119
WALL/DUCT-63-6T-0.75	900	2.99	1.73		0.55	12750	50	51	97
WALL/DUCT-71-4T-2 IE3	1440	5.41	3.11		1.50	21090	64	65	117

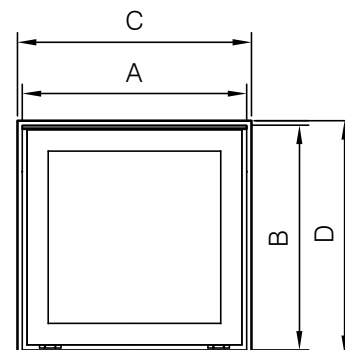
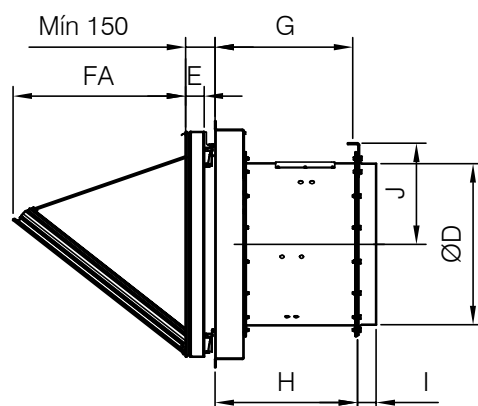
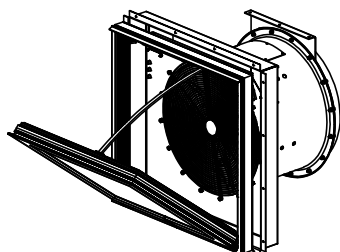
Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
WALL/DUCT-71-4T-3 IE3	1435	7.93	4.56		2.20	23950	66	67	119
WALL/DUCT-71-4T-4 IE3	1440	10.70	6.15		3.00	29400	67	68	125
WALL/DUCT-71-6T-1 IE3	940	3.36	1.93		0.75	17250	53	54	112
WALL/DUCT-71-6T-1.5 IE3	945	4.68	2.69		1.10	20950	54	55	117
WALL/DUCT-80-4T-3 IE3	1435	7.93	4.56		2.20	27940	67	68	132
WALL/DUCT-80-4T-4 IE3	1440	10.70	6.15		3.00	32700	68	69	138
WALL/DUCT-80-4T-5.5 IE3	1450	13.90	8.00		4.00	37200	69	70	140
WALL/DUCT-80-6T-1.5 IE3	945	4.68	2.69		1.10	24250	57	58	131
WALL/DUCT-80-6T-2 IE3	950	6.43	3.70		1.50	27960	58	59	134
WALL/DUCT-90-4T-5.5 IE3	1450	13.90	8.00		4.00	41810	75	76	176
WALL/DUCT-90-4T-7.5 IE3	1465		10.30	5.97	5.50	47000	77	78	211
WALL/DUCT-90-4T-10 IE3	1465		13.90	8.06	7.50	53000	78	79	215
WALL/DUCT-90-6T-2 IE3	950	6.43	3.70		1.50	30000	63	64	167
WALL/DUCT-90-6T-3 IE3	950	9.08	5.22		2.20	35000	64	65	175
WALL/DUCT-90-6T-4 IE3	970	12.00	6.91		3.00	40000	65	66	193
WALL/DUCT-100-4T-7.5 IE3	1465		10.30	5.97	5.50	52470	80	81	221
WALL/DUCT-100-4T-10 IE3	1465		13.90	8.06	7.50	58500	81	82	224
WALL/DUCT-100-4T-15 IE3	1470		20.90	12.10	11.00	68000	82	83	262
WALL/DUCT-100-4T-20 IE3	1465		27.90	16.20	15.00	71850	83	84	273
WALL/DUCT-100-6T-3 IE3	950	9.08	5.22		2.20	40390	70	71	184
WALL/DUCT-100-6T-4 IE3	970	12.00	6.91		3.00	46950	71	72	202
WALL/DUCT-100-6T-5.5 IE3	960	15.60	8.99		4.00	52000	72	73	208
WALL/DUCT-125-4T/6-20 IE3	1470		27.90	16.20	15.00	78610	77	77	462
WALL/DUCT-125-4T/6-25 IE3	1470		35.10	20.30	18.50	92550	76	76	530
WALL/DUCT-125-4T/6-30 IE3	1470		41.00	23.80	22.00	98830	75	75	544
WALL/DUCT-125-4T/6-40 IE3	1475		57.10	33.10	30.00	117460	75	75	625
WALL/DUCT-125-4T/6-50 IE3	1480		66.80	38.70	37.00	131065	75	75	673
WALL/DUCT-125-4T/9-25 IE3	1470		35.10	20.30	18.50	79670	77	77	539
WALL/DUCT-125-4T/9-30 IE3	1470		41.00	23.80	22.00	88280	76	76	553
WALL/DUCT-125-4T/9-40 IE3	1475		57.10	33.10	30.00	104040	75	75	634
WALL/DUCT-125-4T/9-50 IE3	1480		66.80	38.70	37.00	118400	75	75	682
WALL/DUCT-125-4T/12-30 IE3	1475		41.00	23.80	22.00	62895	78	78	569
WALL/DUCT-125-4T/12-40 IE3	1470		57.10	33.10	30.00	79180	77	77	650
WALL/DUCT-125-4T/12-50 IE3	1480		66.80	38.70	37.00	95715	76	76	693
WALL/DUCT-125-6T/6-5.5 IE3	960	15.60	8.99		4.00	51500	67	67	395
WALL/DUCT-125-6T/6-7.5 IE3	960		11.20	6.49	5.50	60635	65	65	402
WALL/DUCT-125-6T/6-10 IE3	960		14.80	8.58	7.50	72650	64	64	427
WALL/DUCT-125-6T/6-15 IE3	955		21.90	12.70	11.00	85870	64	64	457
WALL/DUCT-125-6T/6-20 IE3	970		28.20	16.30	15.00	92855	66	66	530
WALL/DUCT-125-6T/9-10 IE3	960		14.80	8.58	7.50	63490	67	67	436
WALL/DUCT-125-6T/9-15 IE3	955		21.90	12.70	11.00	77570	65	65	466
WALL/DUCT-125-6T/9-20 IE3	970		28.20	16.30	15.00	92970	65	65	539
WALL/DUCT-125-6T/9-25 IE3	975		35.90	20.80	18.50	96500	67	67	569
WALL/DUCT-125-6T/12-25 IE3	975		35.90	20.80	18.50	91680	67	67	579
WALL/DUCT-125-6T/12-30 IE3	975		42.40	24.60	22.00	102040	68	68	621
WALL/DUCT-125-6T/12-40 IE3	980		55.40	32.10	30.00	115940	72	72	739

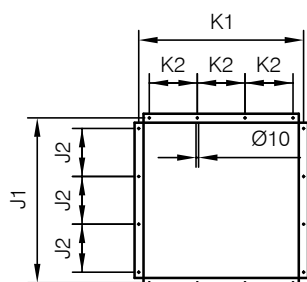
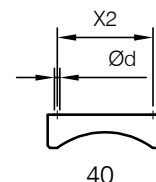
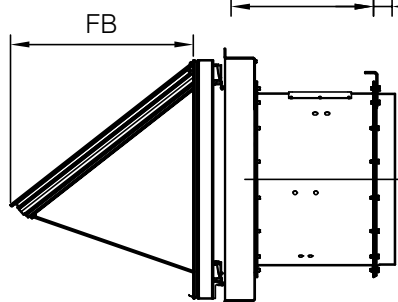
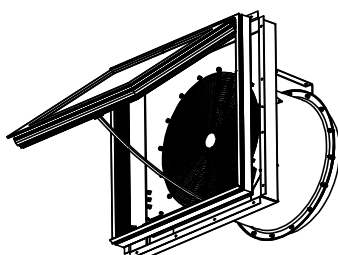
1. The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm

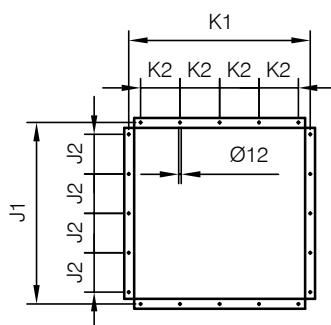
A = Upper opening



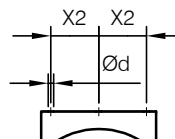
B = Lower opening



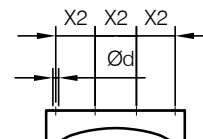
40/45/50/56
63/71/80



90/100/125



45/50/56/63
71/80/90/100



125

	A	B	C	D	ØD*	I	J	H	G	E	FA	FB	J1	J2	K1	K2	X2	Ød
WALL/DUCT-40	640	590	650	600	400	80	255	450	430	82	460	460	740	200	740	200	200	10
WALL/DUCT-45	640	590	650	600	450	80	280	490	470	82	460	460	740	200	740	200	200	12
WALL/DUCT-50	690	690	700	700	500	80	305	490	470	82	551	551	830	220	830	220	200	12
WALL/DUCT-56	690	690	700	700	560	80	340	530	510	82	551	551	830	220	830	220	215	13
WALL/DUCT-63	990	990	1000	1000	630	80	385	560	540	82	875	875	1090	300	1090	300	215	13
WALL/DUCT-71	990	990	1000	1000	710	80	445	630	605	82	875	875	1090	300	1090	300	225	13
WALL/DUCT-80	990	990	1000	1000	800	100	490	630	605	82	875	875	1090	300	1090	300	280	13
WALL/DUCT-90	1190	1190	1200	1200	900	100	550	630	605	82	922	922	1310	250	1310	250	280	18
WALL/DUCT-100	1190	1190	1200	1200	1000	100	600	730	705	82	922	922	1310	250	1310	250	280	18
WALL/DUCT-100-4T-15	1190	1190	1200	1200	1000	100	600	830	805	82	922	922	1310	250	1310	250	280	18
WALL/DUCT-100-4T-20	1190	1190	1200	1200	1000	100	600	830	805	82	922	922	1310	250	1310	250	280	18
WALL/DUCT-125	1490	1490	1500	1500	1250	100	725	1045	1025	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-4T/6-20	1490	1490	1500	1500	1250	100	725	845	825	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-4T/6-50	1490	1490	1500	1500	1250	100	725	1145	1125	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-4T/9-50	1490	1490	1500	1500	1250	100	725	1145	1125	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-4T/12-50	1490	1490	1500	1500	1250	100	725	1145	1125	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-6T/6-5.5	1490	1490	1500	1500	1250	100	725	845	825	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-6T/6-10	1490	1490	1500	1500	1250	100	725	845	825	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-6T/6-15	1490	1490	1500	1500	1250	100	725	845	825	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-6T/6-20	1490	1490	1500	1500	1250	100	725	845	825	82	1176	955	1660	300	1660	300	300	18
WALL/DUCT-125-6T/9-10	1490	1490	1500	1500	1250	100	725	845	825	82	1176	955	1660	300	1660	300	300	18

* Recommended nominal tube diameter.
(C x D) Nominal size of the wall opening.
FA is the opening when the hatch is upper opening.
FB is the opening when the hatch is lower opening.

WALL/FREE

Dynamic wall mount extractor fans fitted with motorised hatch



Dynamic wall extractor fans with motorised opening system and protective grating for use without extract duct. Suitable for installation in industrial buildings, stores or in any other type of building.

Fan:

- Wall fixing flange for correct and easy installation.
- Support frame in galvanised sheet steel.
- Variable angle impeller made of cast aluminium.
- Airflow direction from motor to impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.

Extruded aluminum hatch:

- An extremely robust structure that is able to withstand severe weather changes.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Position indicators in both positions (open and closed).
- Upper and lower opening mounting versions.
- Manual opening system.
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: Rw = 27 (0;-2) dB.

Motor:

- 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.
- IE3 efficiency motors.
- 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.

Actuator:

- Reliability greater than 20,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.
- Protection at the leading edge when closing the hatch.
- The stop in the closed position is regulated by an electronic limit switch.

Hatch finish:

- Anti-corrosive in extruded aluminum.
- RAL 7024M supplied as standard. Any other RAL can be supplied on demand.

On request:

- AA: impeller-motor air direction for air entry to premises.
- Actuator with 24 V DC supply voltage.

Technical characteristics

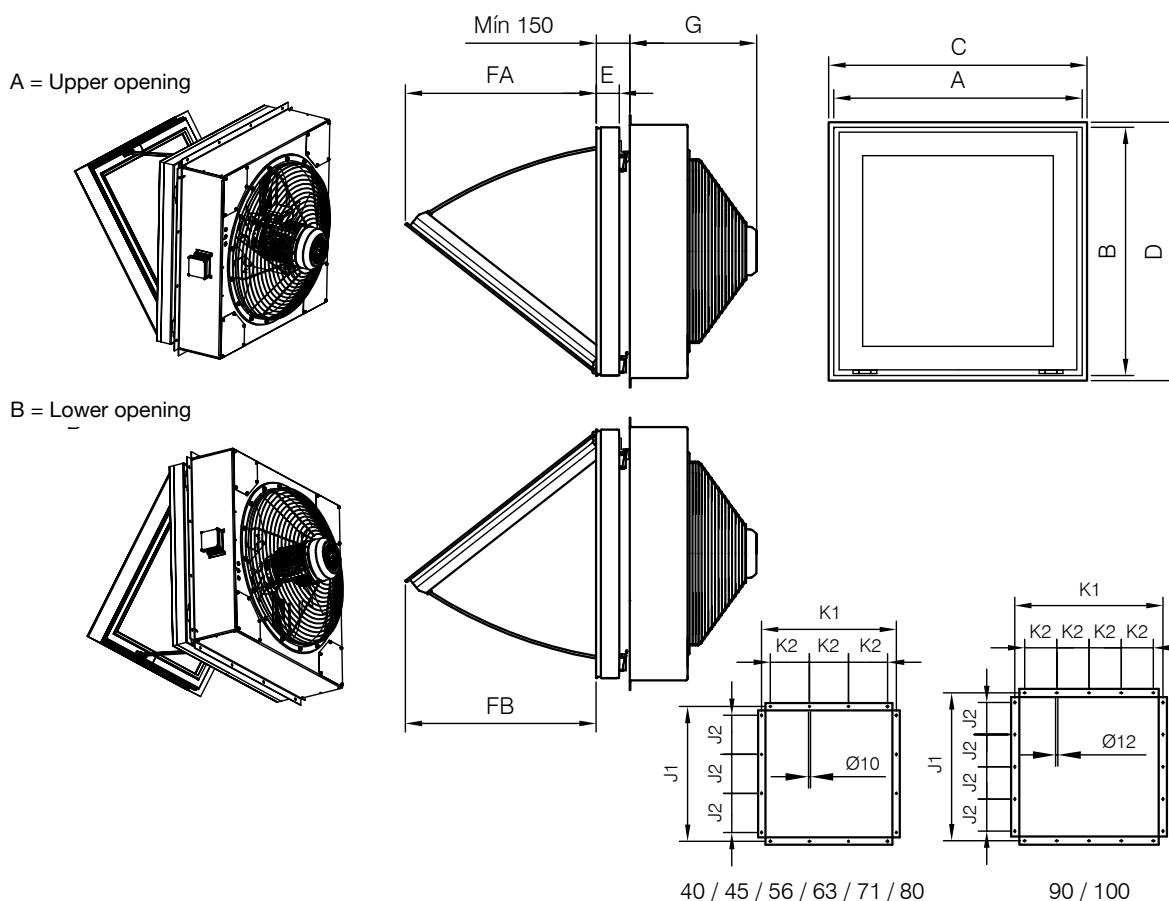
Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
WALL/FREE-40-2T-1.5 IE3	2830	4.03	2.34		1.10	8805	64	64	55
WALL/FREE-45-2T-2 IE3	2875	5.34	3.07		1.50	10630	67	67	63
WALL/FREE-45-2T-3 IE3	2910	7.32	4.21		2.20	12745	69	69	67
WALL/FREE-56-4T-2 IE3	1440	5.41	3.11		1.50	15290	58	58	69
WALL/FREE-63-4T-3 IE3	1435	7.93	4.56		2.20	22090	61	61	97
WALL/FREE-63-4T-4 IE3	1440	10.70	6.15		3.00	25390	62	62	103
WALL/FREE-71-4T-3 IE3	1435	7.93	4.56		2.20	23970	66	66	100
WALL/FREE-71-4T-4 IE3	1440	10.70	6.15		3.00	29410	67	67	106
WALL/FREE-71-6T-1.5 IE3	945	4.68	2.69		1.10	20965	54	54	98
WALL/FREE-80-4T-3 IE3	1435	7.93	4.56		2.20	27940	67	67	114
WALL/FREE-80-4T-4 IE3	1440	10.70	6.15		3.00	32720	68	68	120
WALL/FREE-80-4T-5.5 IE3	1450	13.90	8.00		4.00	37440	69	69	122
WALL/FREE-80-6T-1.5 IE3	945	4.68	2.69		1.10	24650	57	57	112
WALL/FREE-80-6T-2 IE3	950	6.43	3.70		1.50	27960	58	58	116

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
WALL/FREE-90-4T-7.5 IE3	1465		10.30	5.97	5.50	47550	77	77	183
WALL/FREE-90-4T-10 IE3	1465		13.90	8.06	7.50	53120	78	78	187
WALL/FREE-90-6T-3 IE3	950	9.08	5.22		2.20	35555	64	64	145
WALL/FREE-90-6T-4 IE3	970	12.00	6.91		3.00	40165	65	65	165
WALL/FREE-100-4T-10 IE3	1465		13.90	8.06	7.50	58560	81	81	194
WALL/FREE-100-4T-15 IE3	1470		20.90	12.10	11.00	68000	82	82	226
WALL/FREE-100-4T-20 IE3	1465		27.90	16.20	15.00	71850	83	83	237
WALL/FREE-100-6T-5.5 IE3	960	15.6	8.99		4.00	52025	72	72	178

¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm



	A	B	C	D	E	FA	FB	G	J1	J2	K1	K2
WALL/FREE-40	640	590	650	600	82	460	460	375	740	200	740	200
WALL/FREE-45	640	590	650	600	82	460	460	400	740	200	740	200
WALL/FREE-56	690	690	700	700	82	551	551	415	830	220	830	220
WALL/FREE-63	990	990	1000	1000	82	875	875	475	1090	300	1090	300
WALL/FREE-71	990	990	1000	1000	82	875	875	500	1090	300	1090	300
WALL/FREE-80	990	990	1000	1000	82	875	875	500	1090	300	1090	300
WALL/FREE-90	1190	1190	1200	1200	82	922	922	525	1310	250	1310	250
WALL/FREE-100	1190	1190	1200	1200	82	922	922	550	1310	250	1310	250

(C x D) Nominal size of the wall opening.
FA is the opening when the hatch is upper opening.
FB is the opening when the hatch is lower opening.

WALL/AXIAL

Dynamic wall mount axial extract fans fitted with motorised hatch



Wall mounted axial fans with fibreglass reinforced plastic propeller with motorised opening damper. Suitable for installation in industrial buildings or commercial facilities.

Fan:

- Wall fixing flange for correct and easy installation.
- Support frame in galvanised sheet steel.
- Fibreglass reinforced polyamide-6 impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.
- On models 71, the protective grille is supplied as an accessory.
- Airflow direction from motor to impeller.

Extruded aluminum hatch:

- An extremely robust structure that is able to withstand severe weather changes.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Position indicators in both positions (open and closed).
- Upper and lower opening mounting versions.
- Manual opening system.
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: $R_w = 27 (0;-2) \text{ dB}$.

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 and IP55 protection.
- Three-phase 230/400 V 50 Hz.
- Working temperature: -25 °C +60 °C.

Actuator:

- Reliability greater than 20,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.
- Protection at the leading edge when closing the hatch.
- The stop in the closed position is regulated by an electronic limit switch.

Hatch finish:

- Anti-corrosive in extruded aluminum.
- RAL 7024M supplied as standard. Any other RAL can be supplied on demand.

On request:

- AA: impeller-motor air direction for air entry to premises.
- Actuator with 24 V DC supply voltage.

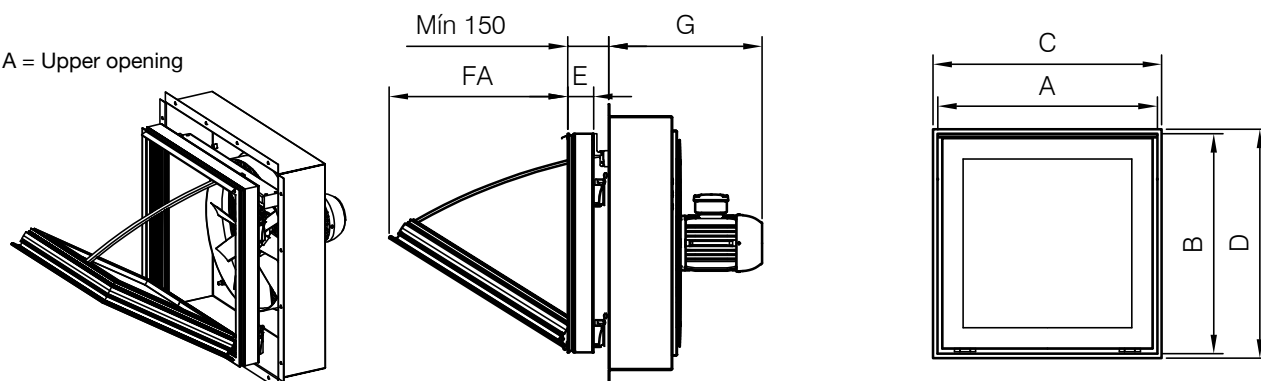
Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB(A)		Approx. weight (Kg)
		230V	400V			Inlet	Exhaust	
WALL/AXIAL-40-4T	1350	1.66	0.96	0.25	5180	44	44	32
WALL/AXIAL-45-4T	1370	2.02	1.17	0.37	7275	49	49	36
WALL/AXIAL-50-4T	1420	2.17	1.25	0.55	10185	52	52	44
WALL/AXIAL-56-4T IE3	1455	4.07	2.34	1.10	12985	55	55	55
WALL/AXIAL-56-6T	900	2.24	1.30	0.37	8290	44	44	46
WALL/AXIAL-63-4T IE3	1455	4.07	2.34	1.10	16455	59	59	80
WALL/AXIAL-63-6T	900	2.24	1.30	0.37	12340	49	49	71
WALL/AXIAL-71-4T IE3	1440	5.41	3.11	1.50	22170	63	63	92
WALL/AXIAL-71-6T IE3	940	3.36	1.93	0.75	17325	51	51	88

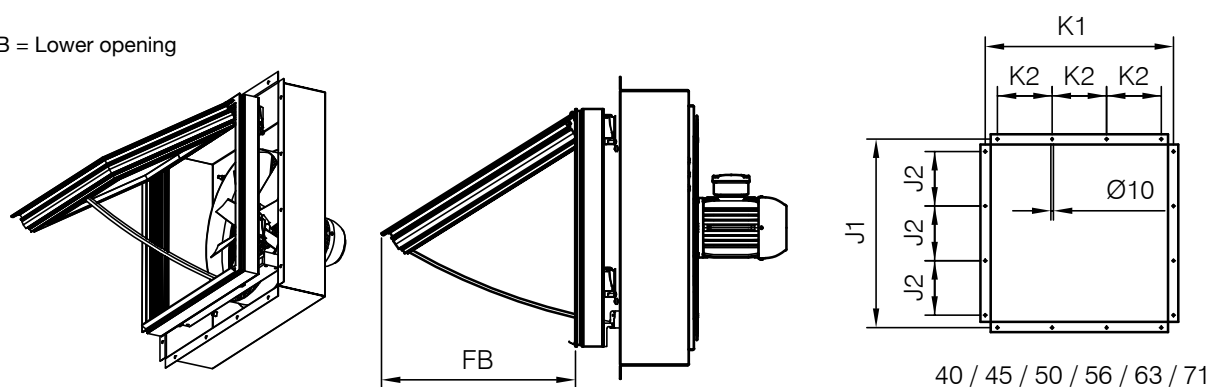
1. The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Dimensions mm

A = Upper opening



B = Lower opening



	A	B	C	D	E	FA	FB	G	J1	J2	K1	K2
WALL-AXIAL-40	640	590	650	600	82	460	460	400	740	200	740	200
WALL-AXIAL-45	640	590	650	600	82	460	460	405	740	200	740	200
WALL-AXIAL-50	690	690	700	700	82	551	551	455	830	220	830	220
WALL-AXIAL-56	690	690	700	700	82	551	551	485	880	220	880	220
WALL-AXIAL-63	990	990	1000	1000	82	875	875	480	1090	300	1090	300
WALL-AXIAL-71	990	990	1000	1000	82	875	875	480	1090	300	1090	300

(C x D) Nominal size of the wall opening.
FA is the opening when the hatch is upper opening.
FB is the opening when the hatch is lower opening.

WALL/FLAP

Aluminum hatch with motorised opening



Suitable for installation in industrial buildings or commercial facilities. It can be used for room ventilation.

Characteristics:

- Very robust aluminum structure able to withstand extreme weather conditions.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Position indicators in both positions (open and closed).
- Upper and lower opening mounting versions.
- Manual opening system (Utility model ES 1 259 375 U).
- Airborne acoustic insulation value according to UNE-EN ISO 10140-2: Rw = 27 (0;-2) dB.

Finish:

- Anti-corrosive in extruded aluminum.
- RAL 7024M supplied as standard. Any other RAL can be supplied on demand.
- A decorative frame weighing up to 25 kg can be screwed on to the upper opening (A) models.

Actuator:

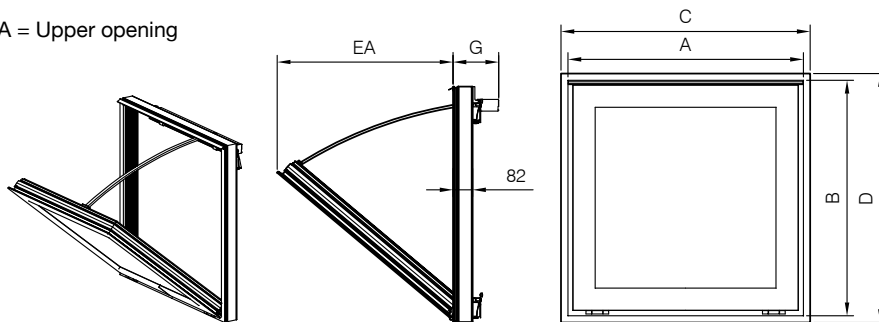
- Reliability greater than 20,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.
- Protection at the leading edge when closing the hatch.
- The stop in the closed position is regulated by an electronic limit switch.

On request:

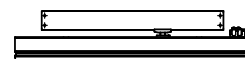
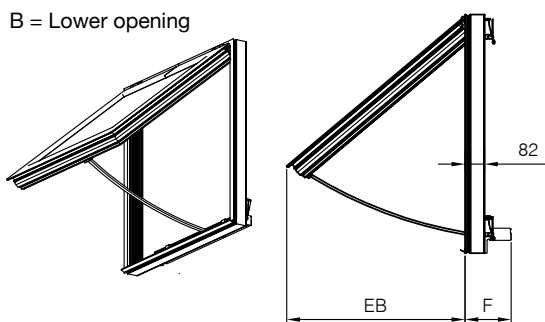
- Actuator with 24 V DC supply voltage.

Dimensions mm

A = Upper opening



B = Lower opening

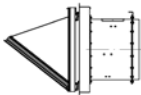
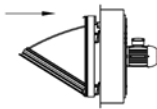
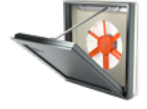


	A	B	C	D	EA	EB	F	G	Approx. weight (Kg)
WALL/FLAP-40-45	640	590	650	600	460	460	160	160	12
WALL/FLAP-50-56	690	690	700	700	551	551	160	160	14
WALL/FLAP-63-71-80	990	990	1000	1000	875	875	185	240	22
WALL/FLAP-90-100	1190	1190	1200	1200	922	922	185	240	27
WALL/FLAP-125	1490	1490	1500	1500	1176	955	185	240	42

Applicable to

WALL/FLAP-40-45	Diameters 40 and 45
WALL/FLAP-50-56	Diameters 50 and 56
WALL/FLAP-63-71-80	Diameters 63, 71 and 80
WALL/FLAP-90-100	Diameters 90 and 100
WALL/FLAP-125	Diameters 125

(C x D) Nominal size of the wall opening.
EA is the opening when the hatch is upper opening.
EB is the opening when the hatch is lower opening.

AVAILABLE VERSIONS		 Damper opening. A= Folding / B= Swinging	 For connection to an extract duct.	 For use without an extract duct.	 AA version airflow direction of the impeller-motor.	 F300 and F400 certification.
	HATCH/HP	—	✓	✓	—	✓
	HCT/HATCH	—	✓	✓	✓	—
	THT/HATCH	—	✓	✓	—	✓
	THT/WALL	✓	✓	—	—	✓
	THT/WALL-F	✓	—	✓	—	✓
	WALL/DUCT	✓	✓	—	✓	—
	WALL/FREE	✓	—	✓	✓	—
	WALL/AXIAL	✓	—	✓	✓	—



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