



NEW

VORTICE.COM

ROOF FANS

Roof-mounted radial discharge extractors.



HEATMASTER F400 SERIES



SLIMROOF ES SERIES





VORTICE S.p.A. is part of a multinational group, **VORTICE GROUP**, which operates through its own companies or local distributors in over 90 countries worldwide and has a rich product portfolio that guarantees air quality and climate comfort. The headquarters of VORTICE S.p.A are in Tribiano (Milan).



VORTICE GROUP also includes:

[1]
VORTICE LIMITED, the UK subsidiary of VORTICE S.p.A., established in 1977 and based in Burton on Trent.

[2]
VORTICE INDUSTRIAL, born from the acquisition in 2010 of Loran srl, based in Isola della Scala (VR). 2024 become Vortice's BUSINESS UNIT INDUSTRIAL.

[3]
VORTICE VENTILATION SYSTEM, a company inaugurated in 2013 with headquarters in Changzhou, China.

[4]
VORTICE LATAM S.A., based in Alajuela in Costa Rica, established in 2012.

[5]
CASALS VENTILACIÓN AIR INDUSTRIAL S.L., historic Spanish brand, based in Sant Joan de les Abadesses, Girona, acquired in 2019.



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HEATMASTER F400 SERIES

Dual-use roof-mounted centrifugal extractors with radial discharge, ideal for air exchange under normal operating conditions and for the evacuation of hot fumes in case of fire.

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SLIMROOF ES SERIES

Compact roof-mounted centrifugal extractors with radial discharge, characterized by low energy consumption, equipped with EC motors.

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HEATMASTER F400 SERIES

Dual-use roof-mounted centrifugal extractors with radial discharge.



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Ideal for condominiums, gyms, offices, theatres, discotheques and industrial warehouses. They guarantee the correct ventilation of the rooms served, air treatment up to 120°C, and, in the case of fires, they ensure the correct extraction of hot fumes in accordance with current safety regulations.

The range consists of **21 models**, driven by single-phase and three-phase motors with 2, 4 and 6 poles, as well as double polarity versions (Dahlander motors), with a maximum flow rate between 2,500 m³/h and 22,550 m³/h.

Centrifugal fans with reverse blades, to maximise efficiency, driven by asynchronous motors with single-phase or three-phase power supply, at one or two speeds (Dahlander).

Certifications

Electromagnetic compatibility standards:

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3

Safety regulations

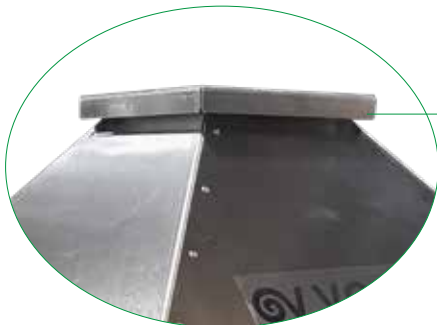
- EN 60335-2-80
- Standard on the degree of protection of enclosures for electrical equipment (CEI EN 60529/1997)
- Standard on Smoke and Heat Control Systems (12101-3:2015)

European directives and regulations for CE marking

- Machinery Directive (2006/42/CE)
- Compatibility Directive (2004/30/CE)
- RED Directive (2014/30/CE)
- Ecodesign Directive (2009/125/EC)
- Electric Motors Regulation (2019/1781/EU)
- Fan adjustment
- Ventilation Unit Regulation (2014/1253/EU)
- Construction Products Regulation (3025/2011/EU)



CONSTRUCTION FEATURES

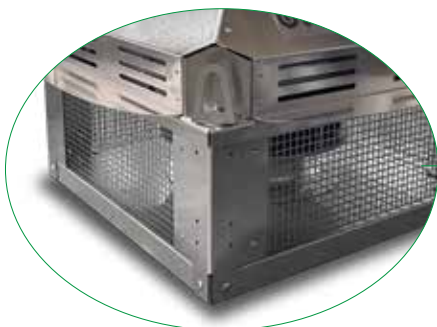
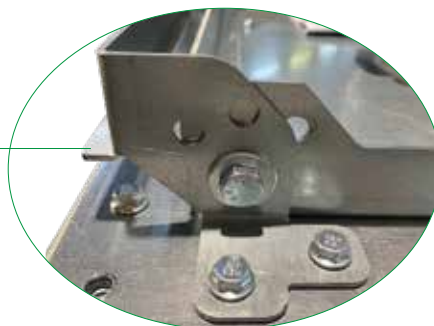


Aluminium covers

Easily removable, thanks to their light weight, they are resistant to corrosion, impacts, high temperatures and the action of atmospheric agents. They are characterised by their shape, optimised to avoid the entry of rain into the underlying duct, even in the presence of strong storms.

Pair of hinges

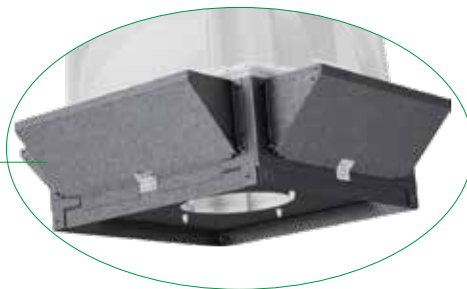
It allows the fan support plate to be tilted, to facilitate inspection and maintenance interventions.



Anti-bird grid

KV HEATMASTER kit

Made of aluminium, it allows the vertical discharge of the treated flow, avoiding ingestion in case of installation near building openings.



- Galvanised steel sheet structure, integrating the anti-bird grid.
- **High-efficiency centrifugal impellers** reverse blade type, self-cleaning, in galvanised steel sheet.
- **High-efficiency AC motors**, compliant with Reg. Ecodesign 2019/1781 to minimise consumption, with shafts mounted on ball bearings to increase durability. The degree of protection is IP55, the insulation class F.
- **Single-phase** power supply (230V / 50Hz) for **M** versions, **three-phase** (230-400V / 50Hz or 400-690V / 50Hz depending on the size, for **T** models at one speed, 400V / 50Hz for dual polarity versions).
- Operating temperatures between -25°C and +60°C; maximum temperature of the treated air (continuous operation, service S1) 80°C (120°C on request). Maximum temperature 400°C for 2h (S2 service).
- Electrical insulation class I (earthing required).

HEATMASTER F400
Dual-use roof-mounted centrifugal extractors with radial discharge

Technical data

PRODUCTS	CODE	Ø nominal	Hz	C	m³/h	W	Max. continuous op. temp. (°C)/air	I	KG
HEATMASTER F400 315 T2 1.5KW	15260	315	50	400	5,250	1,500	80	IP55	36
HEATMASTER F400 315 M4 0.25KW	15301	315	50	230	2,580	250	80	IP55	35.5
HEATMASTER F400 315 T4 0.25KW	15261	315	50	400	2,590	250	80	IP55	35.5
HEATMASTER F400 355 M4 0.25KW	15302	355	50	230	3,610	250	80	IP55	41
HEATMASTER F400 355 T4 0.25KW	15262	355	50	400	3,610	250	80	IP55	41
HEATMASTER F400 400 M4 0.55KW	15303	400	50	230	5,340	550	80	IP55	45
HEATMASTER F400 400 T4 0.55KW	15263	400	50	400	7,870	550	80	IP55	45
HEATMASTER F400 450 T4 1.1KW	15264	450	50	400	7,870	1,100	80	IP55	85
HEATMASTER F400 500 T4 1.5KW	15265	500	50	400	10,430	1,500	80	IP55	96
HEATMASTER F400 500 T6 0.55KW	15268	500	50	400	6,850	550	80	IP55	95
HEATMASTER F400 560 T4 3KW	15266	560	50	400	15,040	3,000	80	IP55	104
HEATMASTER F400 560 T6 1.1KW	15269	560	50	400	10,020	1,100	80	IP55	103
HEATMASTER F400 630 T4 5.5KW	15267	630	50	680	22,550	5,500	80	IP55	140
HEATMASTER F400 630 T6 1.5KW	15270	630	50	400	14,820	1,500	80	IP55	130
HEATMASTER F400 315 T4/T8 0.25/0.03KW	15304	315	50	400	2,590	250	80	IP55	35.5
HEATMASTER F400 355 T4/T8 0.25/0.03KW	15305	355	50	400	3,610	250	80	IP55	41
HEATMASTER F400 400 T4/T8 0.75/0.12KW	15306	400	50	400	5,340	750	80	IP55	45
HEATMASTER F400 450 T4/T8 1.1/0.18KW	15307	450	50	400	7,870	1,100	80	IP55	85
HEATMASTER F400 500 T4/T8 1.5/0.25KW	15308	500	50	400	10,430	1,500	80	IP55	96
HEATMASTER F400 560 T4/T8 3/0.55KW	15309	560	50	400	15,040	3,000	80	IP55	104
HEATMASTER F400 630 T4/T8 5.5/1.1KW	15310	630	50	400	22,550	5,500	80	IP55	140

* For the exact working point, refer to the curves shown on page 10

** 120°C on request.





STRENGTHS

01 FLEXIBILITY OF USE

The breadth of the range, the rich suite of accessories and the construction compatible with continuous use (S1 service up to 120°C) and emergency conditions (S2 service at 400°C) make the adoption of the HEATMASTER F400 turrets particularly convenient.

02 WIDE RANGE OF USE

The high temperatures of the air treated continuously (80°C in standard versions, 120°C upon request) allow the use of the HEATMASTER F400 in a context of particularly wide conditions of use.

03 EFFICACY AND RELIABILITY

The high performance, the robust construction, the quality of the components adopted and the protection from birds and wild animals guarantee the regular ventilation of the served rooms, preventing malfunctions, a possible cause of service interruption, and ensuring the necessary evacuation of hot fumes, in case of fire, so as to preserve the safety of the occupants.

04 EASY MAINTENANCE

The lightweight and easily removable aluminium sheet motor covers and the hinges for fixing the fan support plates to the structure below simplify the installation and maintenance of the products.

05 ATTENTION TO THE ENVIRONMENT

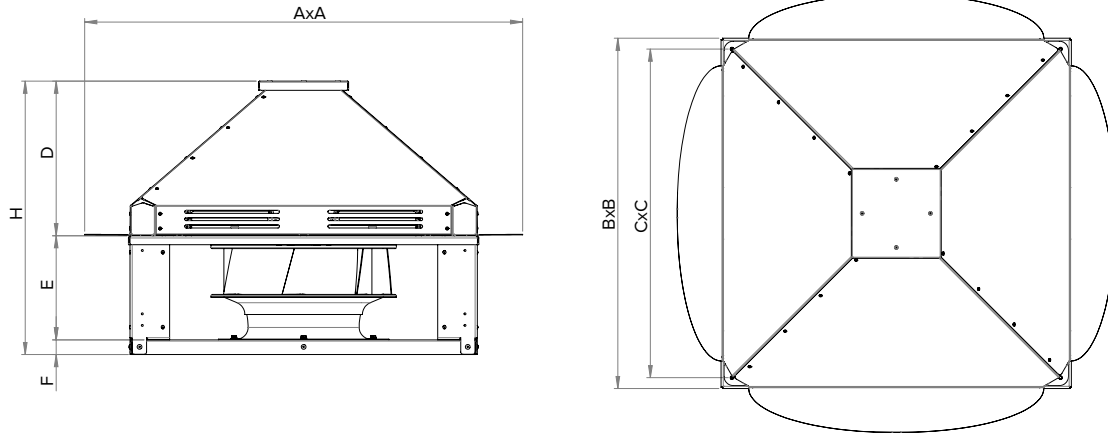
The HEATMASTER F400 series appliances comply with the Ecodesign directive and are built to the highest standards, so as to preserve both the environment and their value in the long term. The wide possibility of adjusting the fans allows to adapt the performance provided to the changing needs, limiting energy waste and greenhouse gas emissions.

06 REDUCED CONSUMPTION

The high efficiency of the motor fans, combined with the possible adjustment of the speed, and therefore of the performance provided, makes it possible to optimise consumption as needs change.

HEATMASTER F400
Dual-use roof-mounted centrifugal extractors with radial discharge

Dimensions



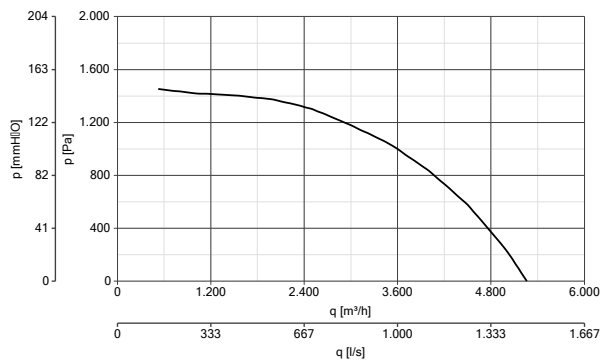
PRODUCTS	CODE	A	B	C	D	E	F	H	IMPELLER
HEATMASTER F400 315 T2 1.5KW	15260	755	610	550	325	210	40	575	315x90
HEATMASTER F400 315 T4 0.25KW	15261	755	610	550	325	210	40	575	315x90
HEATMASTER F400 355 T4 0.25KW	15262	848	680	620	350	232	40	623	355x100
HEATMASTER F400 400 T4 0.55KW	15263	848	680	620	350	255	40	646	400x112
HEATMASTER F400 450 T4 1.1KW	15264	1,193	954	895	420	284	40	755	450x125
HEATMASTER F400 500 T4 1.5KW	15265	1,193	954	895	420	312	47.5	781	500x140
HEATMASTER F400 560 T4 3KW	15266	1,193	954	895	420	350	47.5	818	560x160
HEATMASTER F400 630 T4 5.5KW	15267	1,312	1,054	995	420	393	47.5	862	630x180
HEATMASTER F400 500 T6 0.55KW	15268	1,193	954	895	420	312	47.5	781	500x140
HEATMASTER F400 560 T6 1.1KW	15269	1,193	954	895	420	350	47.5	818	560x160
HEATMASTER F400 630 T6 1.5KW	15270	1,312	1,054	995	420	393	47.5	862	630x180
HEATMASTER F400 315 M4 0.25KW	15301	755	610	550	325	210	40	575	315x90
HEATMASTER F400 355 M4 0.25KW	15302	848	680	620	350	232	40	623	355x100
HEATMASTER F400 400 M4 0.55KW	15303	848	680	620	350	255	40	646	400x112
HEATMASTER F400 315 T4/T8 0.25/0.03KW	15304	755	610	550	325	210	40	575	315x90
HEATMASTER F400 355 T4/T8 0.25/0.03KW	15305	848	680	620	350	232	40	623	355x100
HEATMASTER F400 400 T4/T8 0.55/0.12KW	15306	848	680	620	350	255	40	646	400x112
HEATMASTER F400 450 T4/T8 1.1/0.18KW	15307	1,193	954	895	420	284	40	755	450x125
HEATMASTER F400 500 T4/T8 1.5/0.25KW	15308	1,193	954	895	420	312	47.5	781	500x140
HEATMASTER F400 560 T4/T8 3/0.55KW	15309	1,193	954	895	420	350	47.5	818	560x160
HEATMASTER F400 630 T4/T8 5.5/1.1KW	15310	1,312	1,054	995	420	393	47.5	862	630x180



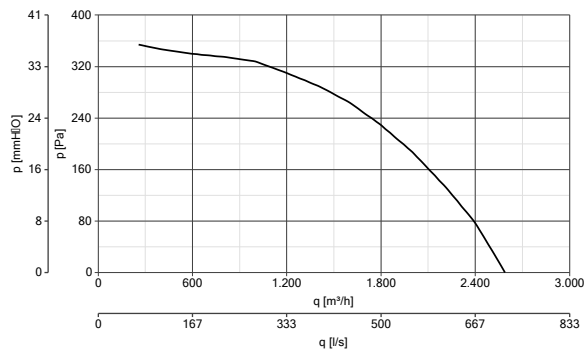
HEATMASTER F400
Dual-use roof-mounted centrifugal extractors with radial discharge

Performance and consumption

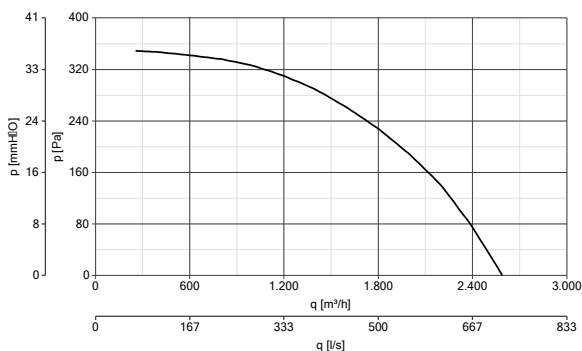
HEATMASTER F400 315 T2 1.5KW
code 15260



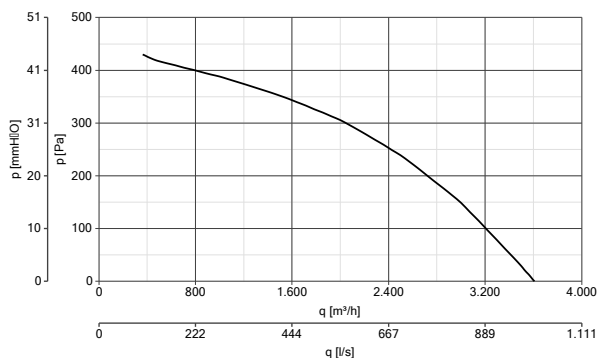
HEATMASTER F400 315 M4 0.25KW
code 15301



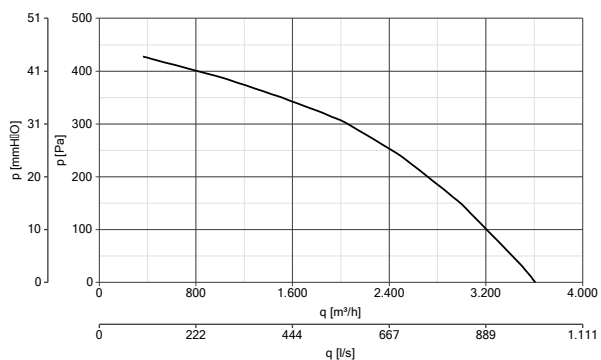
HEATMASTER F400 315 T4 0.25KW
code 15261



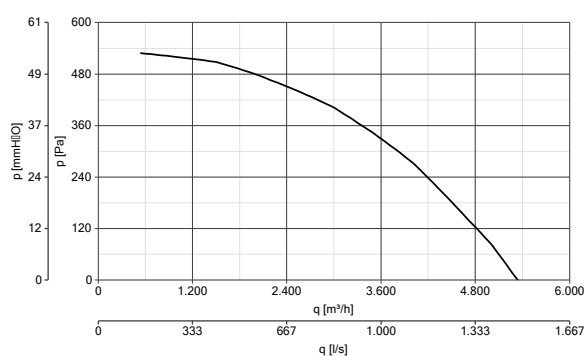
HEATMASTER F400 355 M4 0.25KW
code 15302



HEATMASTER F400 355 T4 0.25KW
code 15262



HEATMASTER F400 400 M4 0.55KW
code 15303

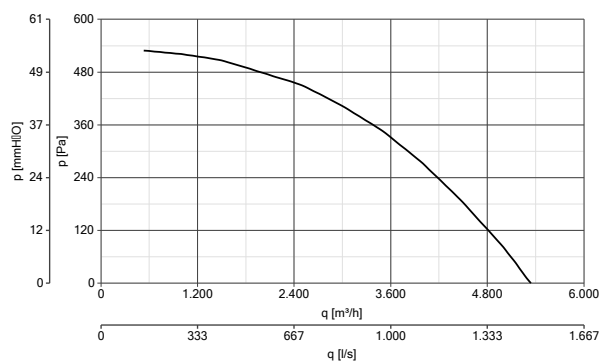


— 4 poles

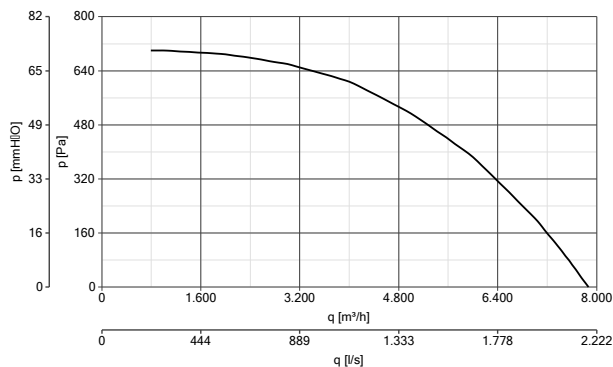


Performance and consumption

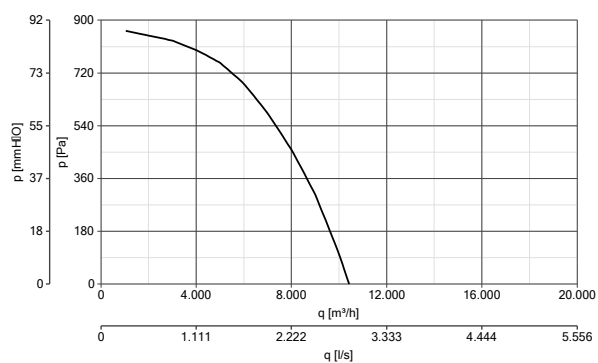
HEATMASTER F400 400 T4 0.55KW
code 15263



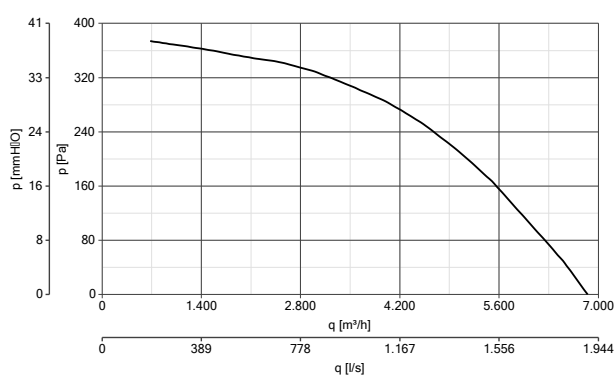
HEATMASTER F400 450 T4 1.1KW
code 15264



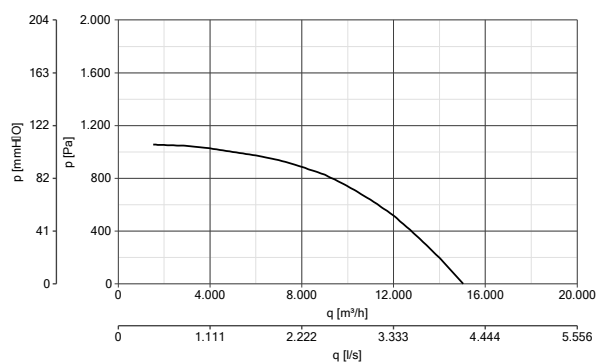
HEATMASTER F400 500 T4 1.5KW
code 15265



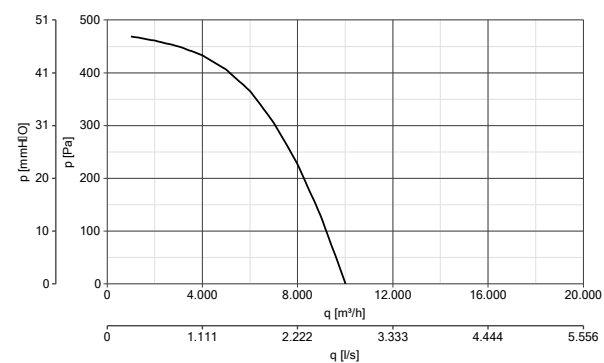
HEATMASTER F400 500 T6 0.55KW
code 15268



HEATMASTER F400 560 T4 3KW
code 15266



HEATMASTER F400 560 T6 1.1KW
code 15269



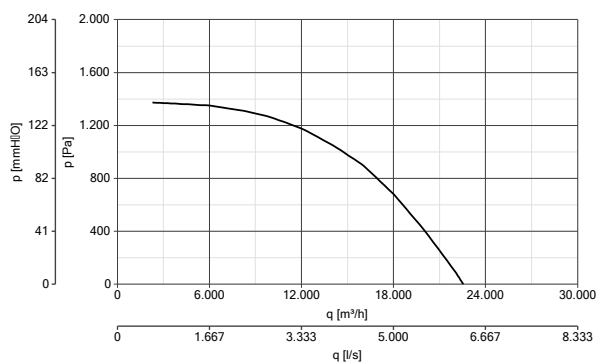
4 poles

HEATMASTER F400

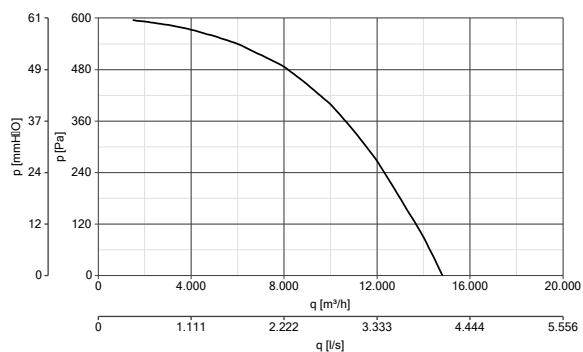
Dual-use roof-mounted centrifugal extractors with radial discharge

Performance and consumption

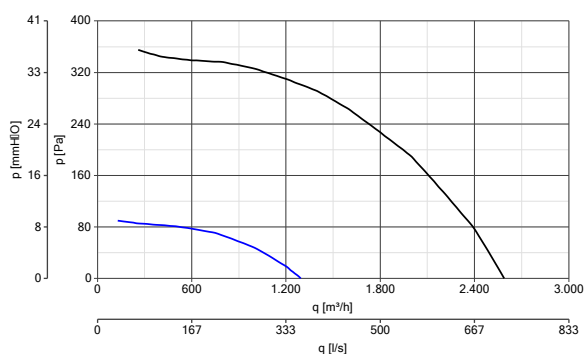
HEATMASTER F400 630 T4 5.5KW
code 15267



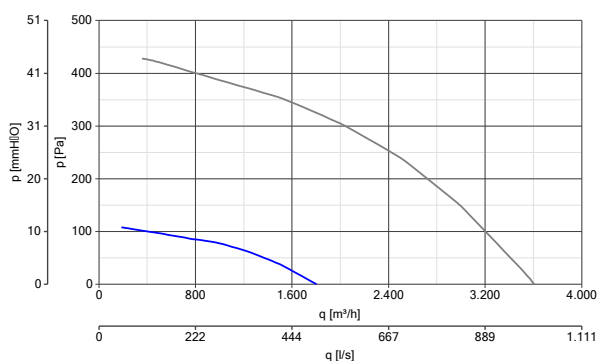
HEATMASTER F400 630 T6 1.5KW
code 15270



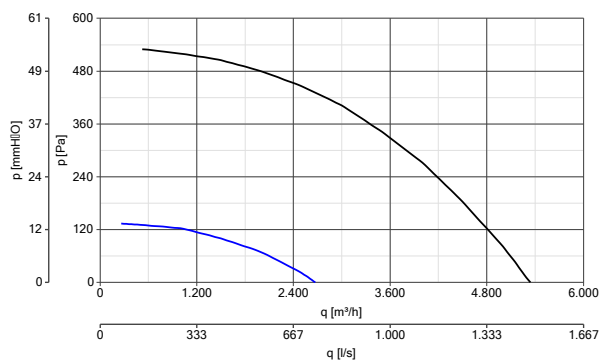
HEATMASTER F400 315 T4/T8 0.25/0.03KW
code 15304



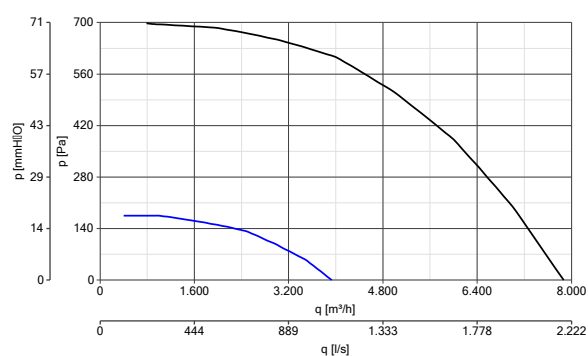
HEATMASTER F400 355 T4/T8 0.25/0.03KW
code 15305



HEATMASTER F400 400 T4/T8 0.75/0.12KW
code 15306



HEATMASTER F400 450 T4/T8 1.1/0.18KW
code 15307

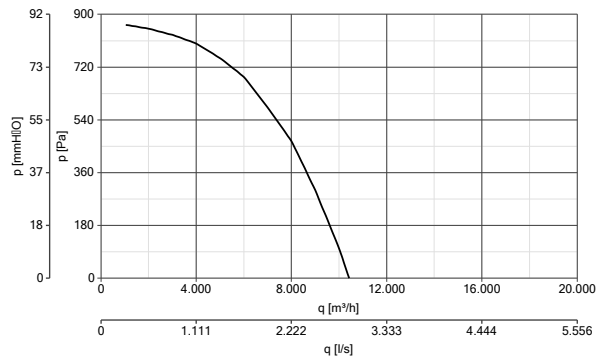


— 4 poles — 8 poles

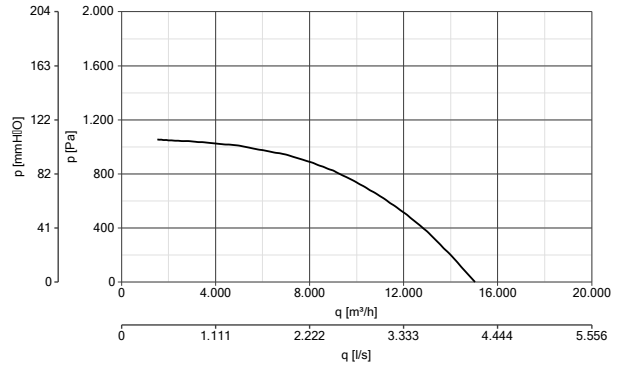


Performance and consumption

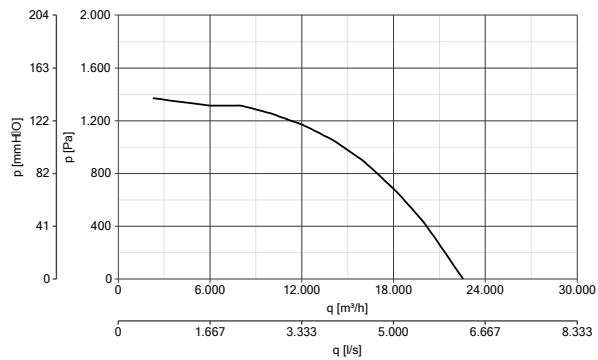
HEATMASTER F400 500 T4/T8 1.5/0.25KW
code 15308



HEATMASTER F400 560 T4/T8 3/0.55KW
code 15309



HEATMASTER F400 630 T4/T8 5.5/1.1KW
code 15310



— 4 poles

HEATMASTER F400

Dual-use roof-mounted centrifugal extractors with radial discharge



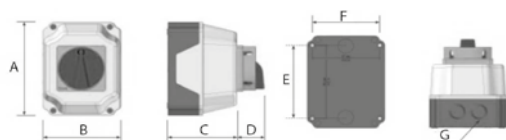


Safety Switch



SWT 25 6P - (code 21680)

"Start-stop" safety switch, compliant with the requirements specified under IEC 60947-1 and IEC 60947-3 standards. Level of protection: IP65. Equipped with an auxiliary contact. Essential for cutting off the product power supply before carrying out any maintenance work on the fan.
Max charge: 25 A.



Dimensions in mm

MODEL	CODE	A	B	C	D	E	F	G
SWT 25 6P	21680	130	100	90	36	103	87	M20

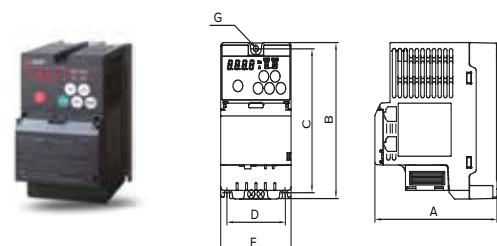
Frequency-varying speed regulators (INVERTERS)

IREM INVERTER 230

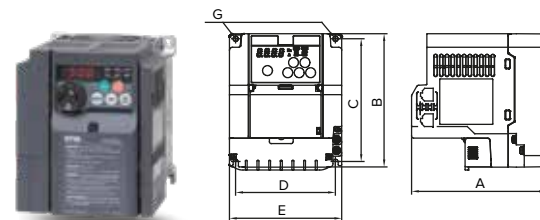
Single-phase power inverter specially designed for speed control in three-phase fans applications. Ultra-compact, easy to use and characterised by a wide range of functions. Control panel with integrated LCD display.
Optional EMC filter.
IP20 protection level.
200-240V single-phase input, 230V three-phase output.
CE, UL, CSA, EN, GOST and CCC certifications.

IRET INVERTER 400

Three-phase power inverter specially designed for speed control in three-phase fans applications. Ultra-compact, easy to use and characterised by a wide range of functions. Control panel with integrated LCD display.
Optional EMC filter.
IP20 protection level.
380-480V three-phase input, 400V three-phase output.
CE, UL, CSA, EN, GOST and CCC certifications.



Dimensions in mm



Dimensions in mm

MODEL	CODE	A	B	C	D	E	ØG
IREM INVERTER 230 2.5A	12872	118	128	118	56	68	5
IREM INVERTER 230 4.2A	12873	118	128	118	56	68	5
IREM INVERTER 230 7A	12874	160	128	118	96	68	5

MODEL	CODE	A	B	C	D	E	ØG
IRET INVERTER 400 1.2A	12876	118	128	118	56	68	5
IRET INVERTER 400 2.2A	12877	118	128	118	56	68	5
IRET INVERTER 400 3.6A	12878	160	128	118	96	108	5
IRET INVERTER 400 8A	12880	160	128	118	96	108	5
IRET INVERTER 400 12A	12881	134	150	138	186	198	5

HEATMASTER F400

Dual-use roof-mounted centrifugal extractors with radial discharge

Product / switch and regulators association



PRODUCT	SWT 25 6P	IREM INVERTER 230			IRET INVERTER 400				
	21680	2.5 A 12872	4.2 A 12873	7 A 12874	1.2 A 12876	2.2 A 12877	3.6 A 12878	8 A 12880	12 A 12881
15260				•			•		
15261		•			•				
15262		•			•				
15263			•			•			
15264				•			•		
15265				•			•		
15268			•			•			
15266								•	
15269				•			•		
15267									•
15270				•					
15301		•			•				
15304	•								
15305	•								
15306	•								
15307	•								
15308	•								
15309	•								
15310	•								

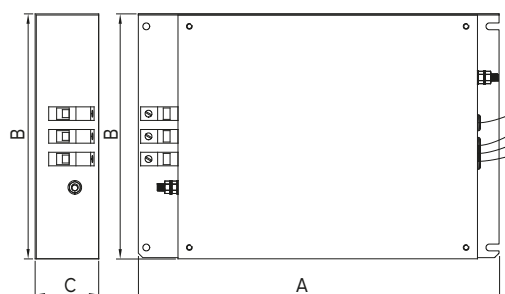


Accessories



EMC

EMC filter, to be combined with speed regulators. Applied to the heat sink of the variable frequency drive, it guarantees the level of protection necessary to comply with the regulations on electromagnetic compatibility (EMC) regarding the conducted emissions of the network. Designed in compliance with EN61800-3:2004, it allows to: limit noise at high frequencies, reduce interference, protect sensitive equipment, eliminate converter cross-communication.



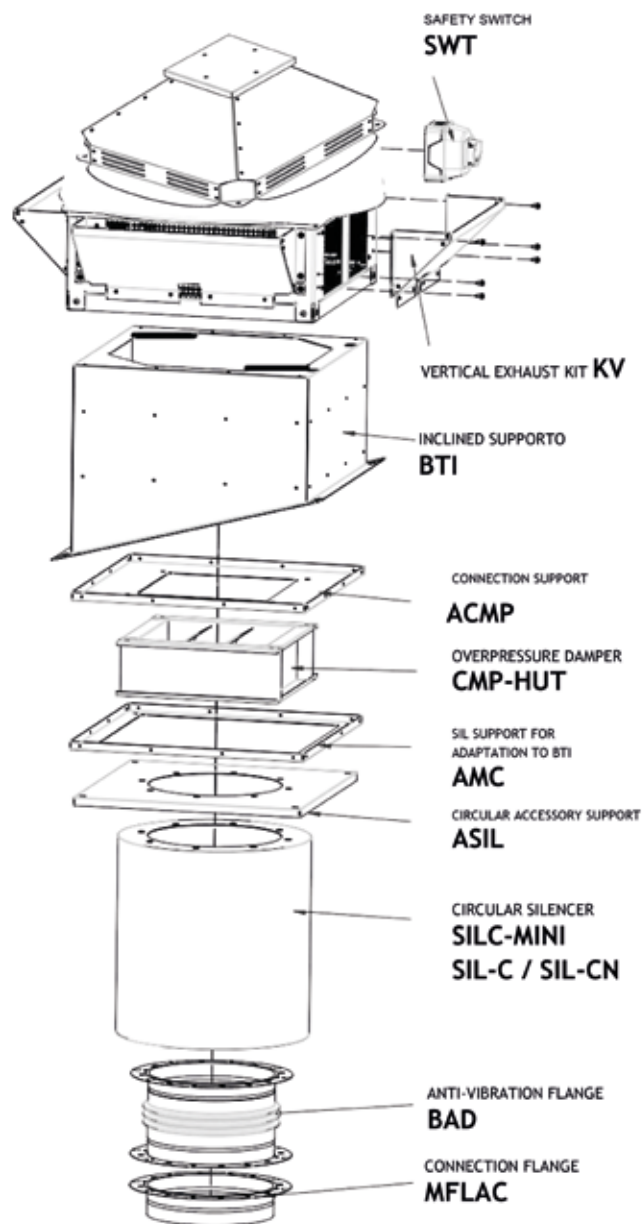
Dimensions in mm

MODEL	CODE	A	B	C
EMC-M FTR 2.5-4.2A	21837	70	168	40
EMC-M FTR 7A	21838	123	168	42
EMC-T FTR 1.2-2.2A	21840	168	70	55
EMC-T FTR 3.6A	21841	168	114	45
EMC-T FTR 5-8A	21842	168	114	45
EMC-T FTR 12-16A	21843	210	202	55

PRODUCT	EMC-M FTR 2.5-4.2A code 21837	EMC-M FTR 7A code 21838	EMC-T FTR 1.2-2.2A code 21840	EMC-T FTR 3.6A code 21841	EMC-T FTR 5-8A code 21842	EMC-T FTR 12-16A code 21843
15260		•		•		
15261	•		•			
15262	•		•			
15263	•		•			
15264		•		•		
15265		•		•		
15266					•	
15267						•
15268	•		•			
15269		•		•		
15270		•			•	
15301	•		•			

HEATMASTER F400

Dual-use roof-mounted centrifugal extractors with radial discharge



BTI allows the installation of numerous accessories.

The BTI can be flat or inclined, to overcome the slope of the roof. This inclination must be indicated when ordering.

In the case of adding a CMP-HUT damper, the BTI base will always be necessary together with the ACMP accessory.

In the event that circular accessories such as the silencer (SIL-C & SIL-C MINI C), the flange (MFLAC) or the flexible flange (BAD) are necessary, in addition to the BTI base, the AMC accessories will be necessary together with the ASIL of the appropriate diameter.



Accessories



BTI

Supports not necessary for installation of the turret at flat roofs (inclination equal to 0°). On the other hand, supports for installation on sloping roofs must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.



BTI + AMC

Optional BTI support complete with connection flange to the fitting for circular accessories such as silencers, BAD anti-vibration flanges and AC connection flanges; suitable for installing the turret on flat roofs (inclination equal to 0°). Alternative supports, to be installed on sloping roofs, are available upon request (please indicate the degree of inclination), and must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.



BTI + ACMP

Optional BTI support complete with ACMP flange for connection to the CMP-HUT series damper; suitable for installing the turret on flat roofs (inclination equal to 0°). Alternative supports, to be installed on sloping roofs, are available upon request (please indicate the degree of inclination), and must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.



BTI + ACMP + AMC

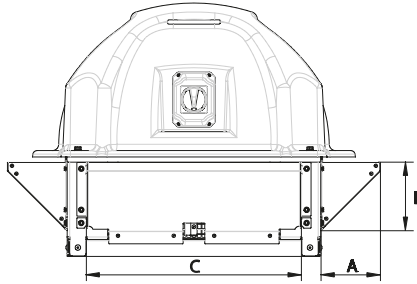
Optional BTI support complete with ACMP flange for connection to the CMP-HUT series damper and connection flange to the fitting for circular accessories such as silencers, BAD anti-vibration flanges and AC connection flanges; suitable for installing the turret on flat roofs (inclination equal to 0°). Alternative supports, to be installed on sloping roofs, are available upon request (please indicate the degree of inclination), and must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.

PRODUCT	BTI 570 code 20761 BTI + ACMP 570 code 20859 BTI + AMC 570 code 20865 BTI + ACMP + AMC 570 code 20869	BTI 640 code 20762 BTI + ACMP 640 code 20860 BTI + AMC 640 code 20866 BTI + ACMP + AMC 640 code 20870	BTI 915 code 20691 BTI + ACMP 915 code 20861 BTI + AMC 915 code 20867 BTI + ACMP + AMC 915 code 20871	BTI 1015 code 20693 BTI + ACMP 1015 code 20862 BTI + AMC 1015 code 20868 BTI + ACMP + AMC 1015 code 20872
15260	•			
15301	•			
15261	•			
15301		•		
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15264			•	
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15307			•	
15308			•	
15309			•	
15310				•

HEATMASTER F400

Dual-use roof-mounted centrifugal extractors with radial discharge

Accessories



Dimensions in mm

KV HEATMASTER F400

Kit, made of aluminium, for the conversion of the HEATMASTER F400 models into vertical discharge units.

Available in **7 models**, to be combined with different sizes.

MODEL	CODE	A	B	C
KV HEATMASTER 315	20833	141.5	193	502
KV HEATMASTER 355	20834	166	217.5	572
KV HEATMASTER 400	20835	187	238.5	572
KV HEATMASTER 450	20836	217.5	268.6	846
KV HEATMASTER 500	20837	246.5	297.5	846
KV HEATMASTER 560	20838	283	334	846
KV HEATMASTER 630	20839	326.5	378	945

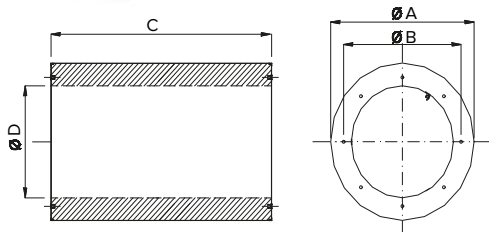
PRODUCT	KV HEATMASTER 315 code 20833	KV HEATMASTER 355 code 20834	KV HEATMASTER 400 code 20835	KV HEATMASTER 450 code 20836	KV HEATMASTER 500 code 20837	KV HEATMASTER 560 code 20838	KV HEATMASTER 630 code 20839
15260	•						
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15301		•					
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15307				•			
15308					•		
15309						•	
15310							•



Accessories

**SIL-C**

Circular silencers designed to reduce the noise of ducted turrets. Available in **21 models**, to be combined with different sizes. Optional connecting flanges may be required for direct fan connection. Casings in galvanised steel sheet, thickness 0.8 mm. Fixing flange with threaded insert. Acoustic insulation in rock wool with a density of 70 Kg/m³, anti-erosion protection in fibreglass, fire resistance class M0 and extended metal sheet. Acoustic data tested in accordance with ISO 7235. Eurovent-compliant punctures.



Dimensions in mm

MODEL	CODE	A	B	C
SIL-C 315/315	20801	455	355	315
SIL-C 315/472	20802	455	355	472
SIL-C 315/630	20803	455	355	630
SIL-C 355/355	20804	495	395	355
SIL-C 355/532	20805	495	395	532
SIL-C 355/710	20806	495	395	710
SIL-C 400/400	20807	540	450	400

SIL-C 400/600	20808	540	450	600
SIL-C 400/800	20809	540	450	800
SIL-C 450/450	20419	610	500	450
SIL-C 450/675	20810	610	500	675
SIL-C 450/900	20811	610	500	900
SIL-C 500/500	20812	660	560	500
SIL-C 500/750	20813	660	560	750
SIL-C 500/1000	20711	660	560	1000
SIL-C 560/560	20461	720	620	560
SIL-C 560/840	20814	720	620	840
SIL-C 560/1120	20712	720	620	1120
SIL-C 630/630	20815	790	690	630
SIL-C 630/945	20816	790	690	945
SIL-C 630/1260	20817	790	690	1260

PRODUCT	SIL-C 315/315 code 20801 SIL-C 315/472 code 20802 SIL-C 315/630 code 20803	SIL-C 355/355 code 20804 SIL-C 355/532 code 20805 SIL-C 355/710 code 20806	SIL-C 400/400 code 20807 SIL-C 400/600 code 20808 SIL-C 400/800 code 20809	SIL-C 450/450 code 20419 SIL-C 450/675 code 20810 SIL-C 450/900 code 20811	SIL-C 500/500 code 20812 SIL-C 500/750 code 20813 SIL-C 500/1000 code 20711	SIL-C 560/560 code 20461 SIL-C 560/840 code 20814 SIL-C 560/1120 code 20712	SIL-C 630/630 code 20815 SIL-C 630/945 code 20816 SIL-C 630/1260 code 20817
15260	•						
15301	•						
15261	•						
15301		•					
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HEATMASTER F400

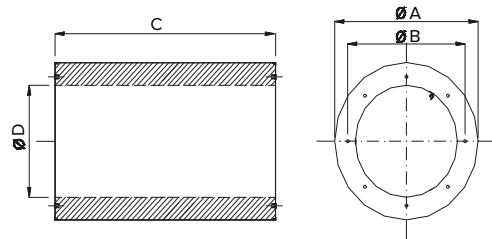
Dual-use roof-mounted centrifugal extractors with radial discharge

Accessories

SIL-CN



Circular silencers designed to reduce the noise of ducted turrets, including an internal core to increase the effect of noise attenuation. Available in **21 models**, to be combined with different sizes. Optional connecting flanges may be required for direct fan connection. Casings in galvanised steel sheet, thickness 0.8 mm. Fixing flange with threaded insert. Acoustic insulation in rock wool with a density of 70 Kg/m³, anti-erosion protection in fibreglass, fire resistance class M0 and extended metal sheet. Acoustic data tested in accordance with ISO 7235. Eurovent-compliant punctures.



Dimensions in mm

MODEL	CODE	A	B	C	D
SIL-CN 400/400	20786	540	450	400	400
SIL-CN 400/600	20787	540	450	600	400
SIL-CN 400/800	20788	540	450	800	400
SIL-CN 450/450	20789	610	500	450	450
SIL-CN 450/675	20790	610	500	675	450
SIL-CN 450/900	20791	610	500	900	450
SIL-CN 500/500	20792	660	560	500	500
SIL-CN 500/750	20793	660	560	750	500
SIL-CN 500/1000	20794	660	560	1000	500
SIL-CN 560/560	20795	720	620	560	560
SIL-CN 560/840	20796	720	620	840	560
SIL-CN 560/1120	20797	720	620	1120	560
SIL-CN 630/630	20798	790	690	630	630
SIL-CN 630/945	20799	790	690	945	630
SIL-CN 630/1260	20800	790	690	1260	630

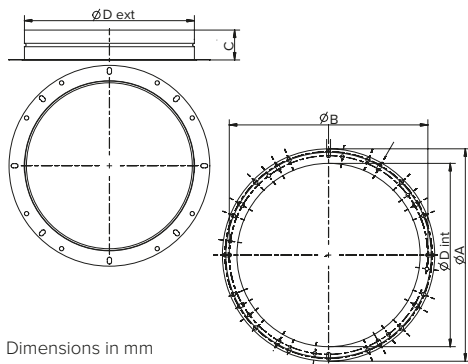
PRODUCT	SIL-CN 315/315 code 20780	SIL-CN 355/355 code 20783	SIL-CN 400/400 code 20786	SIL-CN 450/450 code 20789	SIL-CN 500/500 code 20792	SIL-CN 560/560 code 20795	SIL-CN 630/630 code 20798
	SIL-CN 315/472 code 20781	SIL-CN 355/532 code 20784	SIL-CN 400/600 code 20787	SIL-CN 450/675 code 20790	SIL-CN 500/750 code 20793	SIL-CN 560/840 code 20796	SIL-CN 630/945 code 20799
	SIL-CN 315/630 code 20782	SIL-CN 355/710 code 20785	SIL-CN 400/800 code 20788	SIL-CN 450/900 code 20791	SIL-CN 500/1000 code 20794	SIL-CN 560/1120 code 20797	SIL-CN 630/1260 code 20800
15260	•						
15301	•						
15261	•						
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15310							•



Accessories

**MFLAC**

Connection flange with circular pipes.



Dimensions in mm

MODEL	CODE	A	B	C	D int	D ext
MFLAC 28/11-31/12	20235	380	355	70	299	298
MFLAC 35/14	20236	420	394	70	354	353
MFLAC 40/16	20237	470	438	70	399	398
MFLAC 45/18	20238	530	485	70	449	448
MFLAC 50	20962	590	535	70	499	498
MFLAC 56	20963	650	608	70	559	558
MFLAC 63	20964	720	675	70	629	628

PRODUCT	MFLAC 28/11-31/12 code 20235	MFLAC 35/14 code 20236	MFLAC 40/16 code 20237	MFLAC 45/18 code 20238	MFLAC 50 code 20962	MFLAC 56 code 20963	MFLAC 63 code 20964
15260	•						
15261	•						
15262		•					
15263			•				
15264				•			
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15270							•
15301	•						
15302		•					
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15308					•		
15309						•	
15310							•

HEATMASTER F400

Dual-use roof-mounted centrifugal extractors with radial discharge

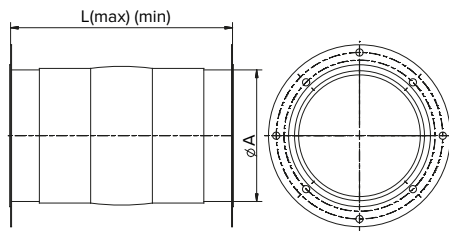
Accessories



BAD

Double damped circular flexible flanges, ideal for connecting each turret to the underlying pipe, thus avoiding the propagation of vibrations potentially harmful to the correct operation of the system. Fire resistance class M0. Working temperature between -50°C and 200°C continuously (S1) and 2 h at 400°C (S2).

Available in **7 models**, to be combined with different sizes of turrets.



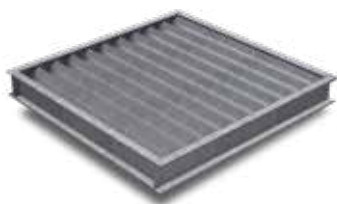
Dimensions in mm

MODEL	CODE	A	L max	L min
BAD 9	20769	296.5	215	190
BAD 10	20770	351.5	215	190
BAD 11	20771	396.5	215	190
BAD 12	20755	446.5	215	190
BAD 13	20772	496.5	215	190
BAD 14	20773	556.6	215	190
BAD 15	20774	626.5	215	190

PRODUCT	BAD 9 code 20769	BAD 10 code 20770	BAD 11 code 20771	BAD 12 code 20755	BAD 13 code 20772	BAD 14 code 20773	BAD 15 code 20774
15260	•						
15301	•						
15261	•						
15301		•					
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15303			•				
15263			•				
15264				•			
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15268					•		
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15304	•						
15305		•					
15306			•				
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15309						•	
15310							•

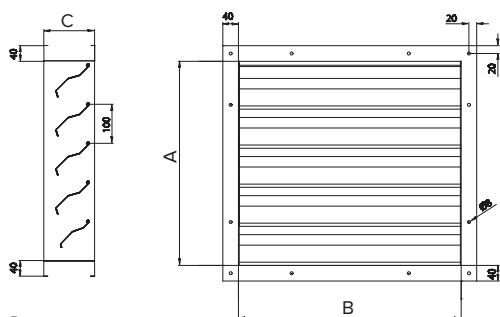


Accessories



CMP-HUT

Non-return dampers suitable for flows, even slightly turbulent ones, with speeds up to 18 m/s. When the turret is not in operation, they prevent the passage of air, maintaining the overpressure or depression in the served room with respect to the outside or to another space. The internal flap system, on the other hand, opens due to depression at the start of the product, ensuring the regularity of the air flow. Frames in galvanised U-shaped steel profiles, to guarantee adequate strength, for channel installation; aluminium slats; shafts, diam. 12 mm, in galvanised steel; operating temperature range between $< 0^{\circ}\text{C}$ and 400°C for 2h (the latter limit is not certified by a third party). Available in **3 models**, to be combined with different sizes of turrets.



Dimensions in mm

MODEL	CODE	A	B	C
CMP-HUT 300X310	20763	310	300	160
CMP-HUT 500X510	20764	510	500	160
CMP-HUT 800X810	20765	810	800	160

PRODUCT	CMP-HUT 300X310 code 20763	CMP-HUT 500X510 code 20764	CMP-HUT 800X810 code 20765
15260	•		
15301	•		
15261	•		
15301		•	
15262		•	
15303		•	
15263		•	
15264		•	
15265		•	
15268		•	
15266		•	
15269		•	
15267			•
15270			•
15304	•		
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15306		•	
15307		•	
15308		•	
15309		•	
15310			•

SLIMROOF ES SERIES

Radial discharge rooftop centrifugal vacuum cleaners driven by permanent magnet (EC) motors, the same technology adopted by the most popular electric cars, to minimise consumption and simplify the adjustment of the delivered performance.



26

Ideal for ensuring the correct air exchange of condominiums, gyms, offices, theatres, discotheques and industrial warehouses that impose limits on the vertical footprint and for which there are stringent requirements for low energy consumption and adjustment of the treated air flows.

The range consists of **10 models**, driven by single-phase and three-phase motors, depending on size, with maximum flow rates between 460 m³/h and 18,600 m³/h.

Certifications

Electromagnetic compatibility standards:

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3

European directives and regulations for CE marking

- Machinery Directive (2006/42/CE)
- Compatibility Directive (2004/30/CE)
- RED Directive (2014/30/CE)
- Ecodesign Directive (2009/125/EC)
- Electric Motors Regulation (2019/1781/EU)
- Fan adjustment
- Ventilation Unit Regulation (2014/1253/EU)

- Standard on the degree of protection of enclosures for electrical equipment (CEI EN 60529/1997)



CONSTRUCTION FEATURES

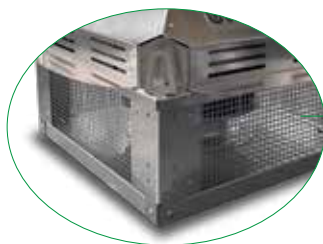
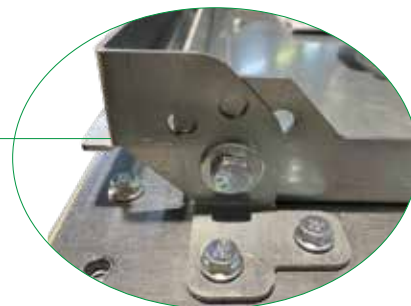


Aluminium covers

Easily removable, thanks to their low weight they are resistant to corrosion, impacts, high temperatures and the action of atmospheric agents. The shape is designed to prevent rain from entering the underlying duct, even in the presence of strong storms.

Pair of hinges

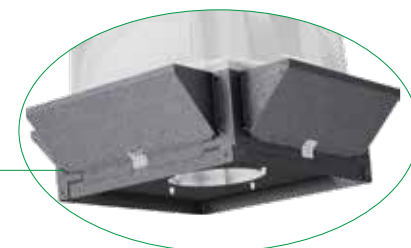
Installed on **SLIMROOF 560 T ES** and **SLIMROOF 630 T ES**, they allow the fan support plate to be tilted, in order to facilitate inspection and maintenance interventions. In smaller models, these hinges are not present, as the reduced weight of the unit makes their installation unnecessary.



Anti-bird grid

KV SLIMROOF kit

Made of aluminum, it allows the vertical discharge of the treated flow, avoiding ingestion in case of installation near building openings.



27

- Structure in galvanised steel sheet, integrating the anti-bird grid.
- **High-efficiency centrifugal impellers** of the reverse blade type, self-cleaning, made of reinforced polyamide in models with a diameter up to 220 mm, and in aluminium sheet in the other models.
- **High-efficiency EC motors** (IE5 in single-phase models, IE4 in three-phase) to minimise consumption, external rotor type to reduce overall dimensions and with shafts mounted on ball bearings to increase life. The degree of protection is **IP54**, the **insulation class** is **B**. The advanced integrated electronics allow fine adjustment of the delivered performance.
- Built-in safety switch available upon request.
- Power supply:
 - Single-phase** (230V / 50-60Hz) for models: SLIMROOF 155 M ES, SLIMROOF 190 M ES, SLIMROOF 220 M ES, SLIMROOF 250 M ES and SLIMROOF 310 M ES;
 - Three-phase** (400V / 50-60Hz) for models: SLIMROOF 355 T ES, SLIMROOF 450 T ES, SLIMROOF 500 T ES, SLIMROOF 560 T ES and SLIMROOF 610 T ES.
- Operating temperatures between -30°C and +60°C, variable depending on the model (ref. technical data).
- Electrical insulation class I (earthing required).

SLIMROOF ES

Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors

Technical data

PRODUCTS	CODE	Hz	m ³ /h	W motor	Operating Temperature Range (°C)	IP motor	KG
SLIMROOF 155 M ES	15271	50/60	460	55	-25°C/+60°C	IP54	5
SLIMROOF 190 M ES	15272	50/60	760	90	-25°C/+60°C	IP54	5
SLIMROOF 220 M ES	15273	50/60	870	75	-25°C/+60°C	IP54	7
SLIMROOF 250 M ES	15274	50/60	1,640	145	-25°C/+60°C	IP54	9
SLIMROOF 310 M ES	15275	50/60	3,160	360	-25°C/+60°C	IP54	16
SLIMROOF 355 T ES	15276	50/60	4,890	990	-25°C/+60°C	IP54	17.5
SLIMROOF 450 T ES	15277	50/60	6,955	1,006	-25°C/+60°C	IP54	19
SLIMROOF 500 T ES	15278	50/60	13,850	3,000	-25°C/+60°C	IP54	73
SLIMROOF 560 T ES	15279	50/60	16,100	2,770	-25°C/+60°C	IP54	85
SLIMROOF 630 T ES	15311	50/60	18,600	2,700	-25°C/+60°C	IP54	100

* For the exact working point, refer to the curves shown on page 31.





STRENGTHS

01 LOW CONSUMPTION

The accurate design of the impellers, the efficiency of the motors and the sophisticated control electronics guarantee high levels of efficiency, limit consumption and allow the optimal adjustment of the performance provided to the actual needs.

02 EFFICACY AND RELIABILITY

The high performance, the quality of the components adopted, the small vertical footprint and the protection from birds and wild animals guarantee the regular ventilation of the served premises, even in the presence of urban constraints, preventing possible malfunctions due to service interruption.

03 EASY MAINTENANCE

The lightweight and easily removable motor covers and the hinges for fixing the fan support plates to the underlying structure, present in bigger size models, simplify the installation and maintenance of the products.

04 ATTENTION TO THE ENVIRONMENT

Attention to the environment: the SLIMROOF ES series appliances comply with the Ecodesign directive and are built to the highest standards, so as to ensure environmental compliance and retain their value in the long term. The reduced consumption and the wide possibility of adjusting the fans make it possible to adapt the performance provided to the changing needs, limiting energy waste and greenhouse gas emissions.

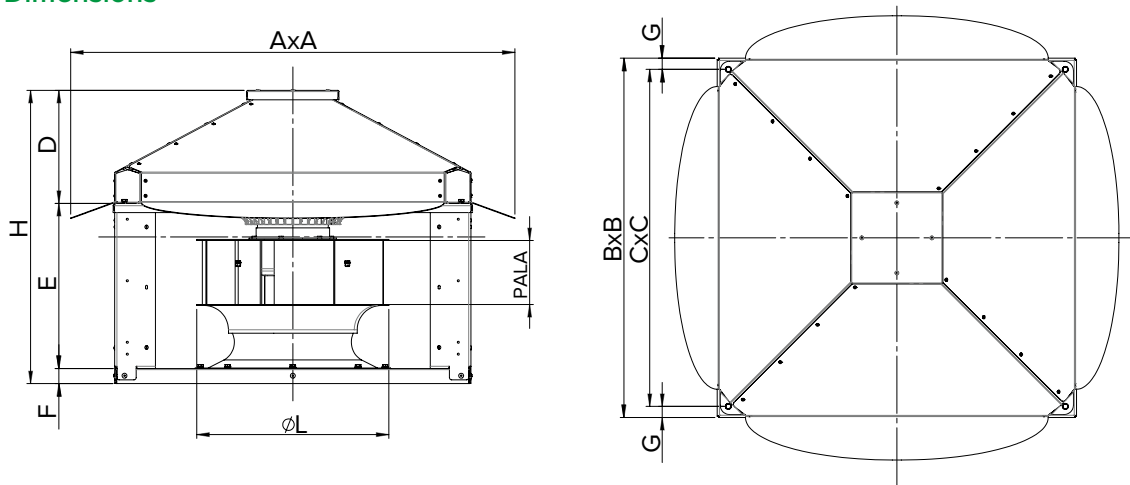
05 REDUCED AESTHETIC IMPACT

The reduced vertical footprint makes Slimroof ES particularly suitable for installation in contexts characterised by architectural constraints aimed at preserving the landscape.

SLIMROOF ES

Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors

Dimensions

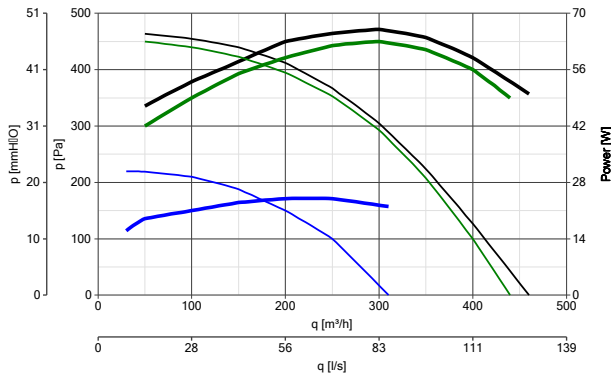


PRODUCTS	CODE	A	B	C	D	E	F	H	IMPELLER
SLIMROOF 155 M ES	15271	435	350	310	120	80	30	230	155x40
SLIMROOF 190 M ES	15272	435	350	310	120	80	30	230	190x40
SLIMROOF 220 M ES	15273	560	450	398	140	90	30	262	220x45
SLIMROOF 250 M ES	15274	560	450	398	140	168	30	340	250x80
SLIMROOF 310 M ES	15275	722	610	550	180	177	30	388	310x115
SLIMROOF 355 T ES	15276	722	610	550	180	265	30	475	355x115
SLIMROOF 450 T ES	15277	722	610	550	180	320	30	532	450x145
SLIMROOF 500 T ES	15278	1180	955	895	300	440	40	780	500x175
SLIMROOF 560 T ES	15279	1180	955	895	300	460	40	800	560x180
SLIMROOF 630 T ES	15311	1300	1055	995	300	500	40	870	630x200

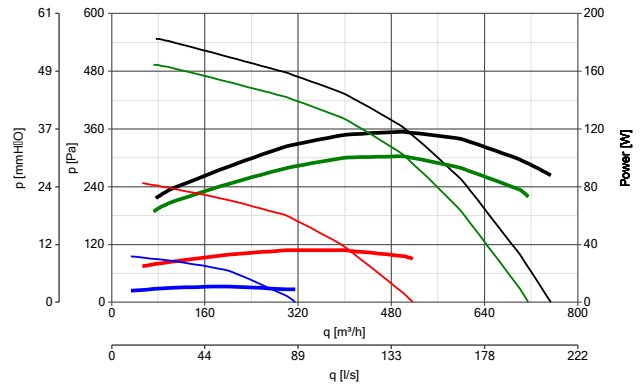


Performance and consumption

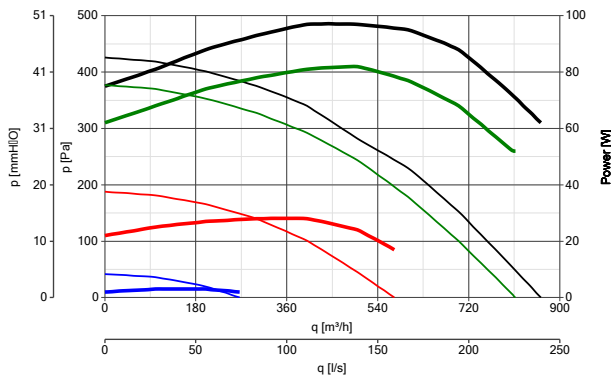
SLIMROOF 155 M ES
code 15271



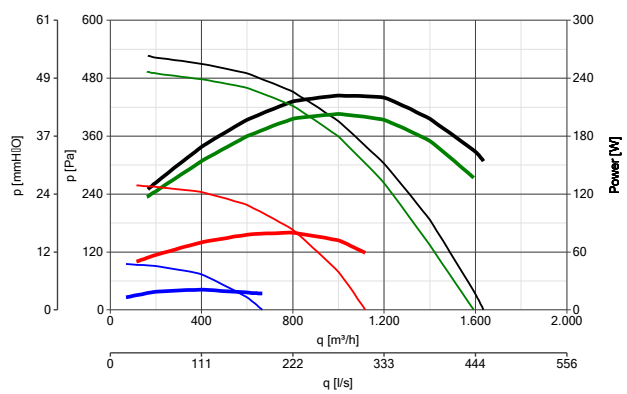
SLIMROOF 190 M ES
code 15272



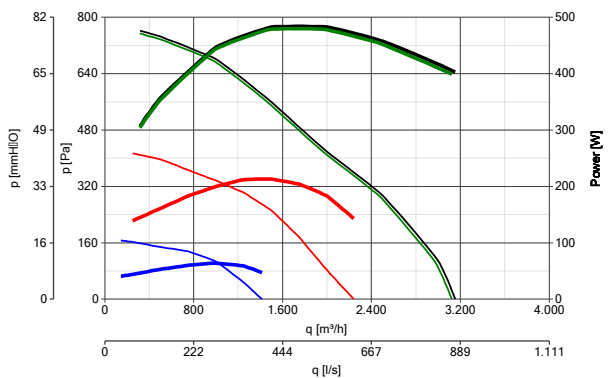
SLIMROOF 220 M ES
code 15273



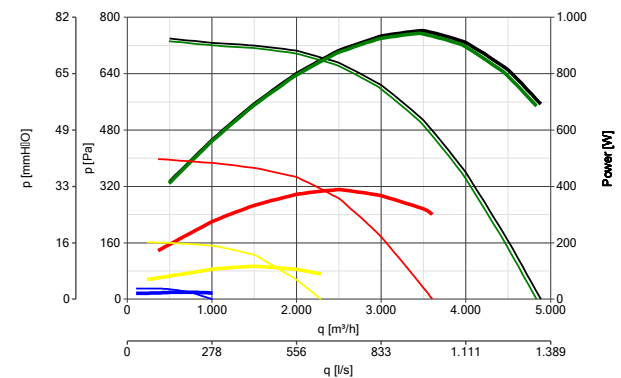
SLIMROOF 250 M ES
code 15274



SLIMROOF 310 M ES
code 15275



SLIMROOF 355 T ES
code 15276



10V

8V

6V

2V

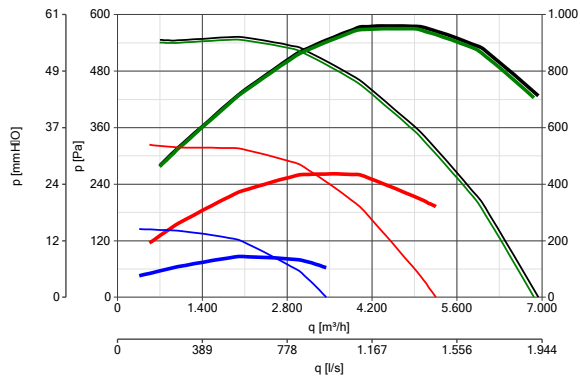
4V

SLIMROOF ES

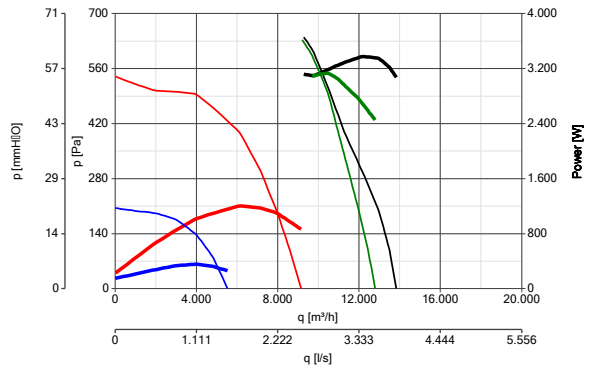
Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors

Performance and consumption

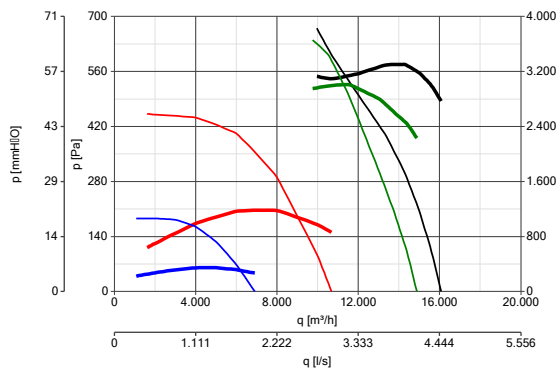
SLIMROOF 450 T ES
code 15277



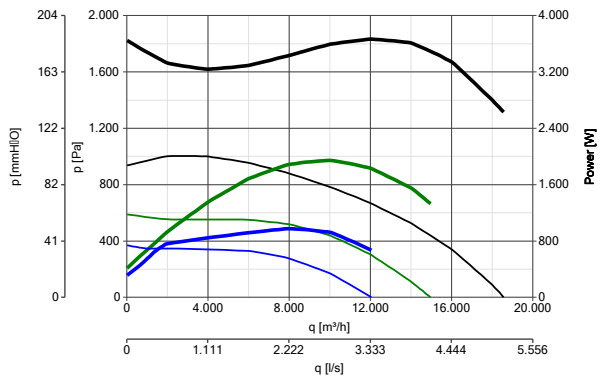
SLIMROOF 500 T ES
code 15278



SLIMROOF 560 T ES
code 15279



SLIMROOF 630 T ES
code 15311



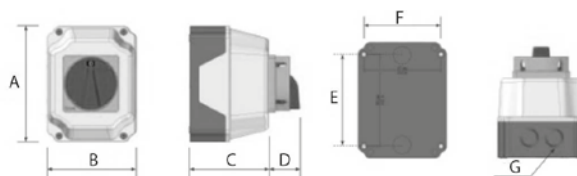
— 10V — 8V — 6V — 2V



Safety switch

SWT 25 6P - code 21680

“Start-stop” safety switch, compliant with the requirements specified under IEC 60947-1 and IEC 60947-3 standards. Level of protection: IP65. Equipped with an auxiliary contact. Useful for cutting off the power supply before carrying out any maintenance work on the turret. Max charge: 25 A.



Dimensions in mm

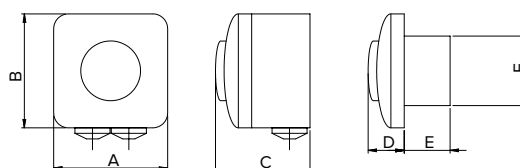
Can be combined with codes 15278 - 15279 -15311

MODEL	CODE	A	B	C	D	E	F	G
SW 25 6P	21680	130	100	90	36	103	87	M20

Regulators

POT - code 12828

Potentiometer: it allows to adjust the treated air flow in a range between 0 and 100%, at a maximum distance of 10 m. It can be built-in or wall-mounted, even outdoors. Maximum working temperature between 0°C and 40°C.



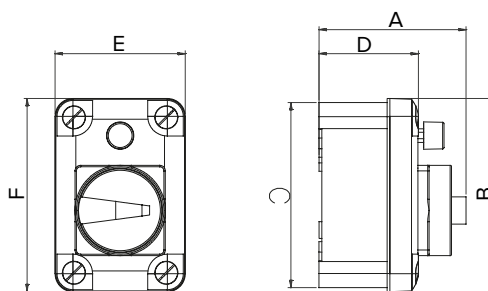
Dimensions in mm

Can be combined with codes 15271- 15272 - 15273 - 15274

MODEL	CODE	A	B	C	D	E	F
PRM 25A	20841	82	82	68	26	33	50X50

PRM 25A - code 20841

Potentiometer with its integrated safety switch, it allows to adjust the treated air flow in a range between 0 and 100%, at a maximum distance of 10 m. It can be built-in or wall-mounted, even outdoors. Maximum working temperature between 0°C and 40°C. Degree of protection IP66.



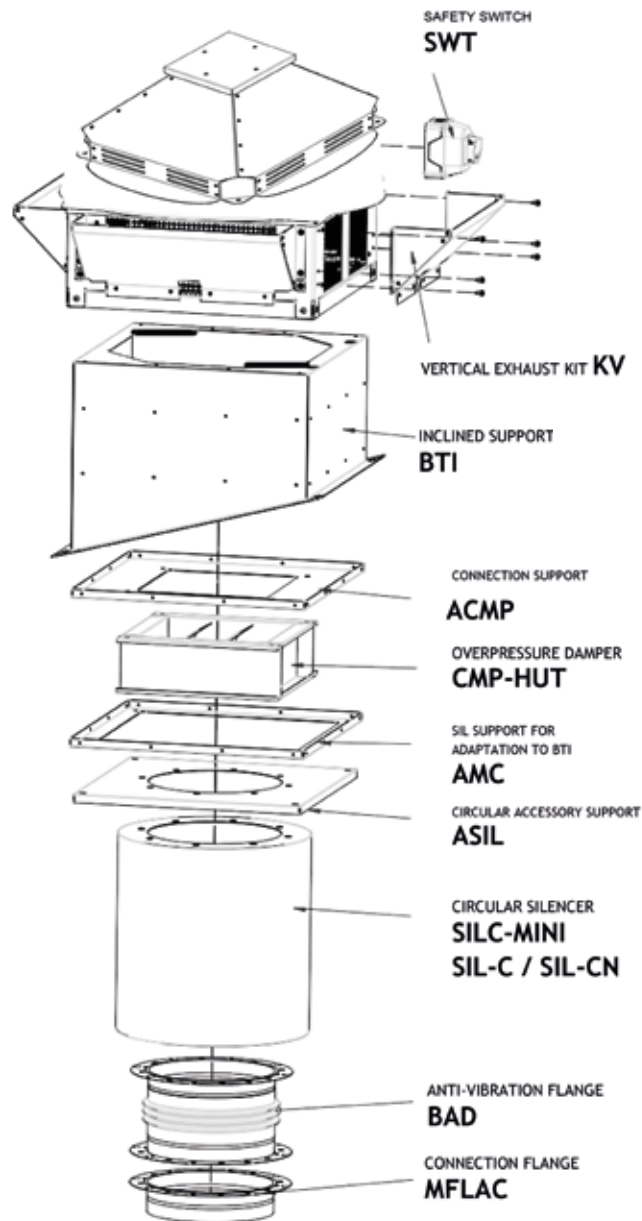
Dimensions in mm

Can be combined with all products in the SLIMROOF ES series

MODEL	CODE	A	B	C	D	E	F
PRM 25A	20841	105	138	132.20	71.10	93	138

SLIMROOF ES

Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors



BTI allows the installation of numerous accessories.

The BTI can be flat or inclined, to overcome the slope of the roof. This inclination must be indicated when ordering.

In the case of adding a CMP-HUT damper, the BTI base will always be necessary together with the ACMP accessory.

In the event that circular accessories such as the silencer (SIL-C & SIL-C MINI C), the flange (MFLAC) or the flexible flange (BAD) are necessary, in addition to the BTI base, the AMC accessories will be necessary together with the ASIL of the appropriate diameter.



Accessories



BTI

Supports not necessary for installation of the turret at flat roofs (inclination equal to 0°). On the other hand, supports for installation on sloping roofs must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.



BTI + AMC

Optional BTI support complete with connection flange to the fitting for circular accessories such as silencers, BAD anti-vibration flanges and AC connection flanges; suitable for installing the turret on flat roofs (inclination equal to 0°). Alternative supports, to be installed on sloping roofs, are available upon request (please indicate the degree of inclination), and must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.



BTI + ACMP

Optional BTI support complete with ACMP flange for connection to the CMP-HUT series damper; suitable for installing the turret on flat roofs (inclination equal to 0°). Alternative supports, to be installed on sloping roofs, are available upon request (please indicate the degree of inclination), and must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.



BTI + ACMP + AMC

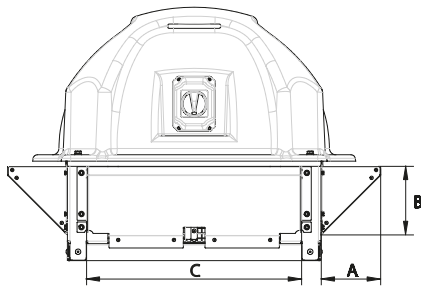
Optional BTI support complete with ACMP flange for connection to the CMP-HUT series damper and connection flange to the fitting for circular accessories such as silencers, BAD anti-vibration flanges and AC connection flanges; suitable for installing the turret on flat roofs (inclination equal to 0°). Alternative supports, to be installed on sloping roofs, are available upon request (please indicate the degree of inclination), and must always be considered mandatory in order to install the turret. Available in **4 models**, to be combined with different sizes of turrets.

PRODUCT	BTI 310	BTI 410	BTI 570	BTI 915	BTI 1015
	code 20759	code 20760	code 20761	code 20691	code 20693
	BTI + AMC 310	BTI + AMC 410	BTI + ACMP 570	BTI + ACMP 915	BTI + ACMP 1015
	code 20863	code 20864	code 20859	code 20861	code 20862
			BTI + AMC 570	BTI + AMC 915	BTI + AMC 1015
			code 20865	code 20867	code 20868
			BTI + ACMP + AMC	BTI + ACMP + AMC	BTI + ACMP + AMC
			570	915	1015
			code 20869	code 20871	code 20872
15271	•				
15272	•				
15273		•			
15274		•			
15275			•		
15276			•		
15277			•		
15278				•	
15279				•	
15311					•

SLIMROOF ES

Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors

Accessories



Dimensions in mm

KV SLIMROOF ES

Kit made of aluminium, for the conversion of the SLIMROOF ES models into vertical discharge units.

Available in **9 models**, to be combined with different sizes.

MODEL	CODE	A	B	C
KV SLIMROOF 155-190	20824	87	55	252
KV SLIMROOF 220	20825	125	71	342
KV SLIMROOF 250	20826	124	144	342
KV SLIMROOF 310	20827	168	158	502
KV SLIMROOF 355	20828	198.5	245	502
KV SLIMROOF 450	20829	254.5	301	502
KV SLIMROOF 500	20830	422.7	371.7	846
KV SLIMROOF 560	20831	441.7	390.7	846
KV SLIMROOF 630	20832	482	430.5	945

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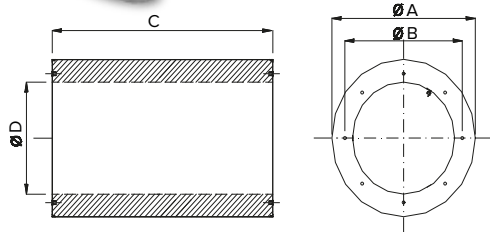
PRODUCT	KV SLIMROOF 155-190 code 20824	KV SLIMROOF 220 code 20825	KV SLIMROOF 250 code 20826	KV SLIMROOF 310 code 20827	KV SLIMROOF 355 code 20828	KV SLIMROOF 450 code 20829	KV SLIMROOF 500 code 20830	KV SLIMROOF 560 code 20831	KV SLIMROOF 630 code 20832
15271	•								
15272	•								
15273		•							
15274			•						
15275				•					
15276					•				
15277						•			
15278							•		
15279								•	
15311									•



Accessories

SILC-MINI C

Circular silencer designed to reduce the noise of ducted turrets. Available in **6 models**, to be combined with different sizes. Casing in galvanised steel sheet, thickness 0.8 mm. Acoustic insulation in rock wool with a density of 50 Kg/m³, anti-erosion protection in fibreglass, fire resistance class M0 and extended metal sheet.



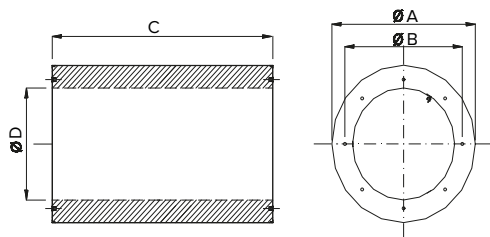
Dimensions in mm

MODEL	CODE	A	B	C
SILC-MINI 160 C	20818	260	210	600
SILC-MINI 200 C	20819	300	230	600
SILC-MINI 250 C	20820	350	280	600
SILC-MINI 315 C	20821	415	355	600
SILC-MINI 355 C	20822	455	398	600
SILC-MINI 400 C	20823	500	450	600

PRODUCT	SILC-MINI 160 C (code 20818)	SILC-MINI 200 C (code 20819)	SILC-MINI 250 C (code 20820)	SILC-MINI 315 C (code 20821)	SILC-MINI 355 C (code 20822)	SILC-MINI 400 C (code 20823)
15271	•					
15272	•					
15273		•				
15274			•			
15275				•		
15276					•	
15277						•

SIL-C

Circular silencer designed to reduce the noise of ducted turrets. Available in **9 models**, to be combined with different sizes. May require optional fitting flanges for direct connection to fans. Casings in galvanised steel sheet, thickness 0.8 mm. Fixing flange with threaded insert. Acoustic insulation in rock wool with a density of 70 Kg/m³, anti-erosion protection in fibreglass, fire resistance class M0 and extended metal sheet. Acoustic data tested in accordance with ISO 7235. Eurovent-compliant punctures.



Dimensions in mm

MODEL	CODE	A	B	C
SIL-C 500/500	20812	660	560	500
SIL-C 500/750	20813	660	560	750
SIL-C 500/1000	20711	660	560	1000
SIL-C 560/560	20461	720	620	560
SIL-C 560/840	20814	720	620	840
SIL-C 560/1120	20712	720	620	1120
SIL-C 630/630	20815	790	690	630
SIL-C 630/945	20816	790	690	945
SIL-C 630/1260	20817	790	690	1260

PRODUCT	SIL-C 500/500 code 20812	SIL-C 500/750 code 20813	SIL-C 500/1000 code 20711	SIL-C 560/560 code 20461	SIL-C 560/840 code 20814	SIL-C 560/1120 code 20712	SIL-C 630/630 code 20815	SIL-C 630/945 code 20816	SIL-C 630/1260 code 20817
15278	•	•	•						
15279				•	•	•			
15311							•	•	•

SLIMROOF ES

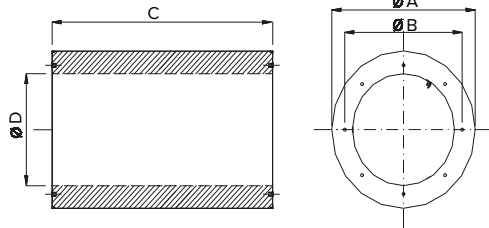
Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors

Accessories

SIL-CN



Circular silencer designed to reduce the noise of ducted turrets, including an internal core to increase the effect of noise attenuation. Available in **9 models**, to be combined with different sizes, it may require optional connection flanges for direct connection to fans. Casings in galvanised steel sheet, thickness 0.8 mm. Fixing flange with threaded insert. Acoustic insulation in rock wool with a density of 70Kg/m³, anti-erosion protection in fibreglass, fire resistance class M0 and extended metal sheet. Acoustic data tested in accordance with ISO 7235. Eurovent-compliant punctures.



MODEL	CODE	A	B	C	D
SIL-CN 500/500	20792	660	560	500	500
SIL-CN 500/750	20793	660	560	750	500
SIL-CN 500/1000	20794	660	560	1000	500
SIL-CN 560/560	20795	720	620	560	560
SIL-CN 560/840	20796	720	620	840	560
SIL-CN 560/1120	20797	720	620	1120	560
SIL-CN 630/630	20798	790	690	630	630
SIL-CN 630/945	20799	790	690	945	630
SIL-CN 630/1260	20800	790	690	1260	630

Dimensions in mm

38

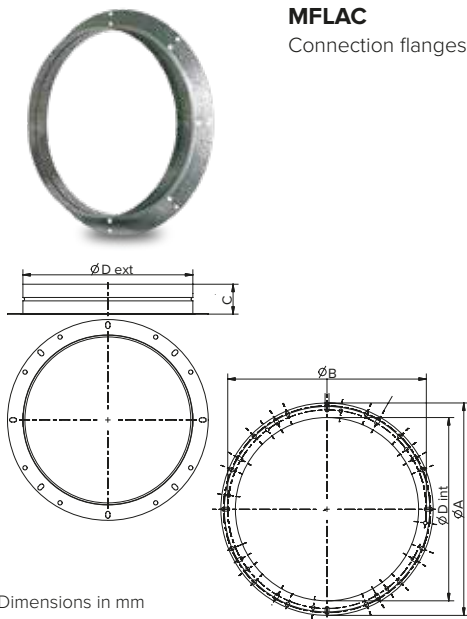
PRODUCT	SIL-CN 500/500 (code 20792)	SIL-CN 500/750 (code 20793)	SIL-CN 500/1000 (code 20794)	SIL-CN 560/560 (code 20795)	SIL-CN 560/840 (code 20796)	SIL-CN 560/1120 (code 20797)	SIL-CN 630/630 (code 20798)	SIL-CN 630/945 (code 20799)	SIL-CN 630/1260 (code 20800)
15278	•	•	•						
15279				•	•	•			
15311							•	•	•



Accessories

MFLAC

Connection flanges. Available in **9 models**, to be combined with different sizes of turrets.



MODEL	CODE	A	B	C	D int	D ext
MFLAC 18/7	20231	235	214	70	174	173
MFLAC 20/6-8	20232	250	230	70	199	198
MFLAC 25/10	20234	310	280	70	249	248
MFLAC 28/11-31/12	20235	380	355	70	299	298
MFLAC 35/14	20236	420	394	70	354	353
MFLAC 40/16	20237	470	438	70	399	398
MFLAC 50	20962	530	485	70	449	448
MFLAC 56	20963	650	608	70	559	558
MFLAC 63	20964	720	675	70	629	628

PRODUCT	MFLAC 18/7 code 20231	MFLAC 20/6-8 code 20232	MFLAC 25/10 code 20234	MFLAC 28/11-31/12 code 20235	MFLAC 35/14 code 20236	MFLAC 40/16 code 20237	MFLAC 50 code 20962	MFLAC 56 code 20963	MFLAC 63 code 20964
15271	•								
15272	•								
15273		•							
15274			•						
15275				•					
15276					•				
15277						•			
15278									
15279								•	
15311									•

SLIMROOF ES

Dual-use roof-mounted centrifugal extractors with radial discharge with EC Motors

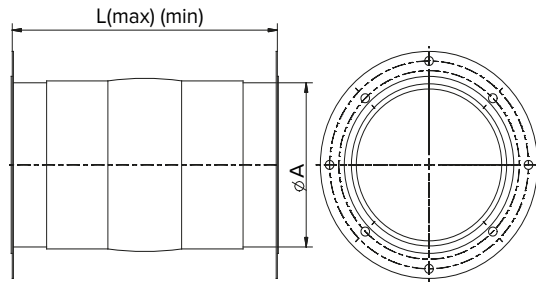
Accessories



BAD

Double damped circular flexible flange, ideal for connecting each turret to the underlying pipe avoiding the propagation of vibrations potentially harmful to the correct operation of the system. Fire resistance class M0. Working temperature between -50°C and 200°C continuously (S1) and 2 h at 400°C (S2).

Available in **9 models**, to be combined with different sizes of turrets.



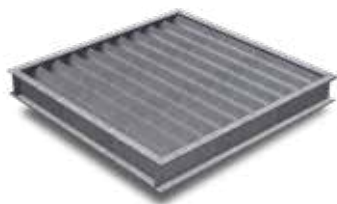
Dimensions in mm

MODEL	CODE	A	L max	L min
BAD 5	20766	171.5	215	190
BAD 6	20767	196.5	215	190
BAD 8	20768	146.5	215	190
BAD 9	20769	296.5	215	190
BAD 10	20770	351.5	215	190
BAD 11	20771	396.5	215	190
BAD 13	20772	496.5	215	190
BAD 14	20773	556.6	215	190
BAD 15	20774	626.5	215	190

PRODUCT	BAD 5 code 20766	BAD 6 code 20767	BAD 8 code 20768	BAD 9 code 20769	BAD 10 code 20770	BAD 11 code 20771	BAD 13 code 20772	BAD 14 code 20773	BAD 15 code 20774
15272	•								
15273		•							
15274			•						
15275				•					
15276					•				
15277						•			
15278							•		
15279								•	
15311									•

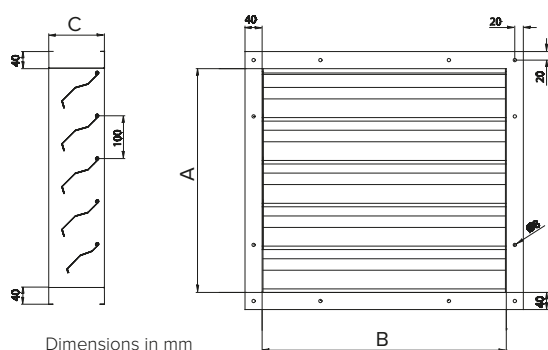


Accessories



CMP-HUT

Non-return damper suitable for flows, even slightly turbulent ones, with speeds up to 18 m/s. When the turret is not in operation, they prevent the passage of air, maintaining the overpressure or depression in the served room with respect to the outside or to another space. The internal flap system, on the other hand, opens due to depression at the start of the product, ensuring the regularity of the air flow. Frames in galvanised U-shaped steel profiles, to guarantee adequate strength, for channel installation; aluminium slats; shafts, diam. 12 mm, in galvanised steel; operating temperature range between $< 0^{\circ}\text{C}$ and 400°C for 2h (the latter limit is not certified by a third party). Available in **3 models**, to be combined with different sizes of turrets.



Dimensions in mm

MODEL	CODE	A	B	C
CMP-HUT 300X310	20763	310	300	160
CMP-HUT 500X510	20764	510	500	160
CMP-HUT 800X810	20765	810	800	160

PRODUCT	CMP-HUT 300X310 code 20763	CMP-HUT 500X510 code 20764	CMP-HUT 800X810 code 20765
15275	•		
15276	•		
15277	•		
15278		•	
15279		•	
15311			•



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