



NEOLINEO



CA/LINE



EDMF



ECONOMIC



COMMERCIAL VENTILATION



AIRTECHNIC
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Air-Conditioning & Ventilation Components & Systems



According
EU Regulation



OUR COMMITMENT TO THE ENVIRONMENT

Sodeca has begun a new stage of study and design of new trends in ventilation which will help to preserve the environment and to make the energy saving which so much concerns today's society.



In order to obtain an improvement in the energetic consumption, SODECA has adjusted the impellers in the maximum efficiency working area. For this reason there might be changes in the curves of this catalogue compared to previous editions.

SODECA has concentrated its activity on the production of industrial fans, ventilation systems and extractors for the removal of smoke in case of fire since 1983, when it was founded.

SODECA's fans and extractors are present in all European countries and in many parts of the world, thanks to the quality of the product and the methods of research and development used.

Our quality procedures used and certified by BUREAU VERITAS, in accordance with ISO 9001:2008, are another of the reasons which make **SODECA** one of the best and most renowned fan manufacturers in Europe.

Without a doubt, the most important factor to achieve our objectives is the human factor, the great professionals who work at your service, offering not only ventilation equipment but also solutions to any ventilation need required by our customers.

We sincerely offer you the possibility of visiting our facilities in Sant Quirze de Besora, with over 16,000 square metres of built area, where you will be able to see our fan manufacture with perfect clarity and with the highest standards of quality, complying with the ISO and AMCA standards.

This catalogue is only a small part of our possibilities. Do not hesitate to contact us. We will put all our experience and our human resources at your disposal.



*Installations
headquarters of
SODECA s.a.,
at Sant Quirze
de Besora and
manufacturing plant
in Santiago
de Chile.*

AXIAL FANS
AND
ROOF FANS



CENTRIFUGAL FANS
AND IN-LINE EXTRACTORS



FANS FOR
SMOKE
EXTRACTION



ATEX FANS FOR
EXPLOSIVE ATMOSPHERES
AND OTHER APPLICATIONS



NEW SERIES - NEW PRODUCTS

NEW CATALOGUES



NEW BUSINESS OPPORTUNITIES

LOW-PRESSURE
CENTRIFUGAL FANS



HEAT RECOVERY
SYSTEMS AND
FILTRATION UNITS



AIR CURTAINS FOR
COMMERCIAL AND
INDUSTRIAL APPLICATIONS



VENTILATION SYSTEM
FOR HOUSES
AND FLATS



Ask us for
information



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FULFILMENT OF STANDARDS

SODECA's fans and extractors comply with the following standards:

| | |
|--|---|
| QUALITY | |
| ISO 9001:2008 | Sistemas de gestión de la calidad. Requisitos. Quality management systems -- Requirements |
| TESTS | |
| ISO 5801 | Ventiladores industriales. Industrial fans -- Performance testing using standardized airways Industrial fans -- Performance testing using standardized airways |
| AMCA 210-99 | Ventiladores industriales. Métodos de ensayos de ventiladores y su representación de ensayos. Laboratory Methods of Testing Fans for Aerodynamic Performance Rating |
| UNE 100212:1990 | Ventiladores. Dispositivos e instalaciones para el ensayo de ventiladores. |
| ISO 13350 | Ventiladores industriales. Ensayos de comportamiento de ventiladores de chorro. Industrial fans -- Performance testing of jet fans |
| ISO 13348 | Industrial fans -- Tolerances, methods of conversion and technical data presentation |
| FANS FOR HIGH TEMPERATURES | |
| EN 12101-3:2002 | Sistemas de control de humos y calor. Parte 3: Especificaciones para aireadores extractores de humos y calor mecánicos. Smoke and heat control systems - Part 3: Specification for powered smoke and heat exhaust ventilators |
| ACOUSTICS | |
| ISO 3744 | Acústica. Determinación de los niveles de potencia acústica de fuentes de ruido a partir de la presión acústica. Método de ingeniería para condiciones de campo libre sobre un plano reflectante. Acoustics -- Determination of sound power levels of noise sources using sound pressure -- Engineering method in an essentially free field over a reflecting plane |
| BALANCE AND VIBRATIONS | |
| ISO 1940-1 | Vibraciones mecánicas. Calidad de equilibrado Mechanical vibration -- Balance quality requirements for rotors in a constant (rigid) state -- Part 1: Specification and verification of balance tolerances |
| ISO 10816-1 | Vibraciones mecánicas. Evaluación de las vibraciones de máquinas Mechanical vibration -- Evaluation of machine vibration by measurements on non-rotating parts -- Part 1: General guidelines |
| ISO 14694 | Ventiladores industriales. Especificaciones para equilibrado y niveles de vibración Industrial fans -- Specifications for balance quality and vibration levels |
| SAFETY (Declaration of EC Compliance) | |
| EN ISO 12100-1 | Seguridad de las máquinas. Conceptos básicos, principios generales para el diseño. Parte 1: Terminología básica, metodología. Safety of machinery -- Basic concepts, general principles for design -- Part 1: Basic terminology, methodology |
| EN ISO 12100-2 | Seguridad de las máquinas. Conceptos básicos, principios generales para el diseño. Parte 2: Principios técnicos. Safety of machinery -- Basic concepts, general principles for design -- Part 2: Technical principles |
| EN 60204-1 | Seguridad de las máquinas. Equipo eléctrico de las máquinas. Parte 1: Requisitos generales. Safety of machinery - Electrical equipment of machines - Part 1: General requirements |
| EN 294 | Seguridad de máquinas. Distancias de seguridad para impedir que se alcancen zonas peligrosas con los miembros superiores Safety of machinery; safety distances to prevent danger zones from being reached by the upper limbs |
| ISO 13857 | Seguridad de máquinas. Distancias de seguridad para impedir que se alcancen zonas peligrosas con los miembros superiores e inferiores. Safety of machinery -- Safety distances to prevent danger zones being reached by upper and lower limbs |
| UNE 100250 | Ventiladores industriales. Seguridad mecánica de los ventiladores (equivalente ISO 12499) |
| ISO 12499 | Ventiladores industriales. Seguridad mecánica en los ventiladores Industrial fans -- Mechanical safety of fans -- Guarding |
| DIRECTIVES | |
| Directiva 2006/42/CE | Directiva de máquinas Machinery Directive |
| Directiva 2006/95/CE | Directiva de baja tensión Low Voltage Directive |
| Directiva 2004/108/CE | Directiva compatibilidad electromagnética EMC Directive |
| Directiva 89/106/CE | Directiva productos de construcción Construction Products Directive (CPD) |
| ATEX EXECUTIONS | |
| Directiva ATEX 94/9/CE | Aparatos y sistemas de protección para uso en atmósferas potencialmente explosivas Equipment and protective systems intended for use in potentially explosive atmospheres |
| EN 14986 | Diseño de ventiladores para trabajar en atmósferas potencialmente explosivas. Design of fans working in potentially explosive atmospheres |
| EN 13463-1 | Equipos no eléctricos destinados a atmósferas potencialmente explosivas. Parte 1: Requisitos y metodología básica. Non-electrical equipment for use in potentially explosive atmospheres - Part 1: Basic method and requirements |
| EN 1127-1 | Atmósferas explosivas. Prevención y protección contra la explosión. Parte 1: Conceptos básicos y metodología. Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology |

VENTILATION SYSTEMS FOR HOUSES AND FLATS

SV SV/PLUS SV/ECO



In-line duct fans

6

CA/LINE



In-line duct fans with Long Life ball bearings

12

CJBC CJBC/ECO

NEW



Exhaust fans and compact extraction units for direct operation

15

NEOLINEO



In-line fans for ducts with Long Life ball bearings

18

PLATT



Extractor with multiple inlets/outlets and low silhouette

22

CTD

NEW



Centrifugal roof fans for chimney ventilation in houses

24

CA-ROOF



Centrifugal roof fans for chimney ventilation in houses

26

CHRE



Centrifugal roof fans with low noise level

29

RCH RCH-400X800 VM



Fan and chimney top for hybrid extraction in community housing

31

TIRACAMINO



Fans to extract smoke in chimneys and barbecues

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EDMF



Extra-bathroom extractors, with aesthetic and modern design

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EDQUIET/S



Domestic extractors very low noise, low power

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ECONOMIC



Economic air curtains, for small commercial premises

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RECUP/LC



Configurable heat recuperators

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SV SV/PLUS SV/ECO

SV: Low noise in-line duct fans mounted in acoustic casing

SV/PLUS: Low noise in-line duct fans mounted in acoustic casing with 50mm insulation

SV/ECO: Low noise in-line duct fans mounted in acoustic casing with 50 mm insulation, fitted with EC motors



SV



SV/PLUS



SV/ECO

Fan:

- Acoustic casing covered with deadening material
- SV: Impeller with backward-curved blades, except models 125-150-200, with multi-blade impeller
- SV/PLUS: Multi-blade impeller for all models
- SV/ECO: Backward-curved impeller for all models
- Standard flanged inlet and outlet to aid installation on duct
- They are supplied with 4 base stands to aid installation
- Linear air circulation
- T-models are fitted with 1-5 minute adjustable timer.

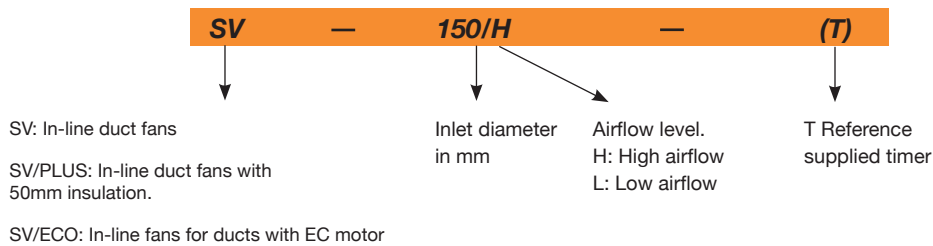
Motor:

- Class F motors with external rotor incorporated thermal protector, ball bearings and IP54 protection
- Single-phase 230V.-50/60Hz. adjustable
- Max. air temperature to transport: + 50°C.
- SV/ECO: Highly-efficient brushless-EC motor, electronically controlled by means of a potentiometer of 10KΩ MTP010, or an external signal of 0-10VDC

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

Order code



Technical characteristics

| Model | Speed (r/min) | Maximum admissible current 230V (A) | Installed power (kW) | Maximum airflow (m³/h) | Irradiated sound level dB(A) | Approx. weight (Kg) |
|------------|------------------|---|-------------------------|---------------------------|---------------------------------|------------------------|
| SV-125/H | 2720 | 0.65 | 0.11 | 400 | 32 | 5.2 |
| SV-125/H-T | 2720 | 0.65 | 0.11 | 400 | 32 | 5.2 |
| SV-150/H | 2580 | 1.00 | 0.16 | 560 | 40 | 6.8 |
| SV-150/H-T | 2580 | 1.00 | 0.16 | 560 | 40 | 6.8 |
| SV-200/H | 1400 | 0.75 | 0.12 | 880 | 44 | 8.0 |
| SV-200/H-T | 1400 | 0.75 | 0.12 | 880 | 44 | 8.0 |
| SV-200/L | 1450 | 0.70 | 0.09 | 760 | 42 | 8.0 |
| SV-250/H | 2500 | 0.85 | 0.18 | 1300 | 48 | 10.8 |
| SV-250/L | 2680 | 0.75 | 0.16 | 1000 | 46 | 10.8 |
| SV-315/H | 1400 | 0.65 | 0.12 | 2100 | 50 | 21.0 |
| SV-350/H | 1400 | 0.95 | 0.14 | 2850 | 51 | 28.5 |
| SV-400/H | 1350 | 1.80 | 0.30 | 3500 | 53 | 38.0 |

Technical characteristics

| Model | Speed | Maximum admissible current (A) 230V | Installed power (kW) | Maximum airflow (m³/h) | Irradiated sound level* dB(A) | Approx. weight (Kg) |
|---------------|---------|--|----------------------|------------------------|-------------------------------|---------------------|
| | (r/min) | | | | | |
| SV/PLUS-125/H | 2335 | 0.33 | 0.08 | 260 | 30 | 12.0 |
| SV/PLUS-160/H | 2480 | 0.59 | 0.14 | 465 | 36 | 13.0 |
| SV/PLUS-200/H | 1550 | 0.72 | 0.17 | 700 | 37 | 17.0 |
| SV/PLUS-250/H | 2082 | 1.15 | 0.27 | 1050 | 38 | 18.0 |

* Sound pressure level dB(A) are measurements at a distance of 1.5 meters

| Model | Speed | Maximum admissible current (A) 230V | Installed power (kW) | Maximum airflow (m³/h) | Sound pressure level to 50% of max. speed* dB(A) | Approx. weight (Kg) |
|--------------|---------|--|----------------------|------------------------|--|---------------------|
| | (r/min) | | | | | |
| SV/ECO-125/H | 4480 | 0.46 | 0.055 | 367 | 29 | 12.0 |
| SV/ECO-160/H | 3490 | 0.99 | 0.114 | 565 | 28 | 19.0 |
| SV/ECO-200/H | 3380 | 1.48 | 0.192 | 914 | 39 | 24.0 |
| SV/ECO-250/H | 3220 | 1.69 | 0.213 | 1107 | 32 | 24.0 |
| SV/ECO-315/H | 3580 | 2.8 | 0.448 | 1638 | 49 | 31.0 |

* Sound pressure level dB(A) are measurements at a distance of 1.5 meters



Erp. BEP (best efficiency point) characteristics

| | | | |
|------------|----------------------|----------------|--|
| MC | Measurement category | ηe[%] | Efficiency |
| EC | Efficiency category | N | Efficiency grade |
| S | Static | [kW] | Input power |
| T | Total | [m³/h] | Airflow |
| VSD | Variable-speed drive | [mmH₂O] | Static or total pressure (According to EC) |
| SR | Specific ratio | [RPM] | Speed |

| Model | MC | EC | VSD | SR | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
|---------------|----|----|----------|------|-------|------|-------|--------|---------|-------|
| SV-125/H | - | - | - | - | - | - | 0.118 | 207 | 29.9 | 2768 |
| SV-125/H-T | - | - | - | - | - | - | 0.118 | 207 | 29.9 | 2768 |
| SV-150/H | - | - | - | - | - | - | 0.125 | 296 | 40.3 | 2761 |
| SV-150/H-T | - | - | - | - | - | - | 0.125 | 296 | 40.3 | 2761 |
| SV-200/H | - | - | - | - | - | - | 0.102 | 434 | 17.1 | 1438 |
| SV-200/H-T | - | - | - | - | - | - | 0.102 | 434 | 17.1 | 1438 |
| SV-200/L | - | - | - | - | - | - | 0.113 | 396 | 16.0 | 1463 |
| SV-250/L | - | - | - | - | - | - | 0.119 | 381 | 38.7 | 2767 |
| SV-315/H | - | - | - | - | - | - | 0.125 | 991 | 18.0 | 1412 |
| SV-350/H | A | S | NO | 1.00 | 43.4% | 60.4 | 0.240 | 1537 | 24.9 | 1401 |
| SV-400/H | A | S | NO | 1.00 | 45.6% | 60.6 | 0.377 | 1701 | 37.1 | 1364 |
| SV/PLUS-125/H | - | - | - | - | - | - | 0.064 | 116 | 22.96 | 2368 |
| SV/PLUS-160/H | - | - | - | - | - | - | 0.105 | 231 | 33.96 | 2485 |
| SV/PLUS-200/H | - | - | - | - | - | - | 0.123 | 295 | 28.26 | 1619 |
| SV/PLUS-250/H | A | S | NO | 1.00 | 27.1% | 38.2 | 0.176 | 645 | 27.03 | 2141 |
| SV/ECO-125/H | - | - | - | - | - | - | 0.053 | 200 | 20.30 | 4480 |
| SV/ECO-160/H | - | - | - | - | - | - | 0.110 | 307 | 48.49 | 3490 |
| SV/ECO-200/H | A | S | INCLUDED | 1.00 | 47.7% | 66.0 | 0.183 | 505 | 55.62 | 3380 |
| SV/ECO-250/H | A | S | INCLUDED | 1.00 | 47.5% | 65.1 | 0.209 | 597 | 53.77 | 3220 |
| SV/ECO-315/H | A | S | INCLUDED | 1.00 | 48.8% | 63.1 | 0.433 | 902 | 77.23 | 3580 |

Acoustic features

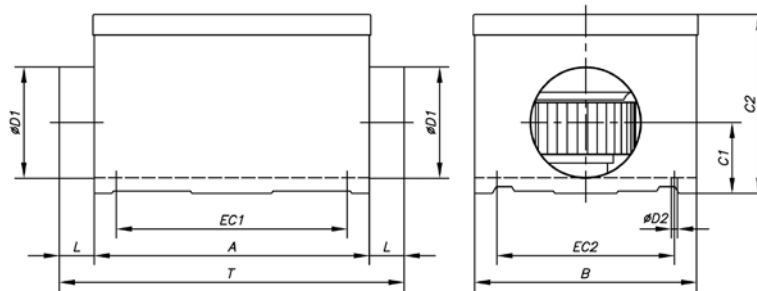
The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------|----|-----|-----|-----|------|------|------|------|---------------|----|-----|-----|-----|------|------|------|------|
| 125/H | 22 | 32 | 36 | 34 | 33 | 34 | 30 | 24 | SV/PLUS-125/H | 35 | 46 | 52 | 57 | 64 | 62 | 55 | 48 |
| 150/H | 31 | 41 | 42 | 44 | 45 | 46 | 42 | 36 | SV/PLUS-160/H | 43 | 54 | 61 | 66 | 72 | 71 | 67 | 63 |
| 200/H | 31 | 42 | 47 | 51 | 50 | 47 | 43 | 33 | SV/PLUS-200/H | 43 | 55 | 58 | 62 | 69 | 68 | 66 | 61 |
| 200/L | 29 | 39 | 46 | 47 | 47 | 46 | 45 | 37 | SV/PLUS-250/H | 49 | 58 | 64 | 70 | 72 | 80 | 70 | 65 |
| 250/H | 32 | 42 | 47 | 54 | 55 | 53 | 50 | 41 | SV/ECO-125/H | 31 | 41 | 54 | 56 | 45 | 45 | 40 | 44 |
| 250/L | 33 | 43 | 47 | 53 | 51 | 50 | 48 | 41 | SV/ECO-160/H | 39 | 49 | 63 | 60 | 49 | 51 | 48 | 46 |
| 315/H | 34 | 44 | 49 | 56 | 57 | 55 | 52 | 43 | SV/ECO-200/H | 42 | 52 | 66 | 60 | 56 | 54 | 51 | 52 |
| 350/H | 38 | 48 | 52 | 59 | 60 | 58 | 56 | 47 | SV/ECO-250/H | 48 | 57 | 70 | 64 | 66 | 59 | 53 | 52 |
| 400/H | 40 | 50 | 54 | 61 | 62 | 60 | 58 | 49 | SV/ECO-315/H | 50 | 59 | 73 | 67 | 68 | 65 | 58 | 55 |

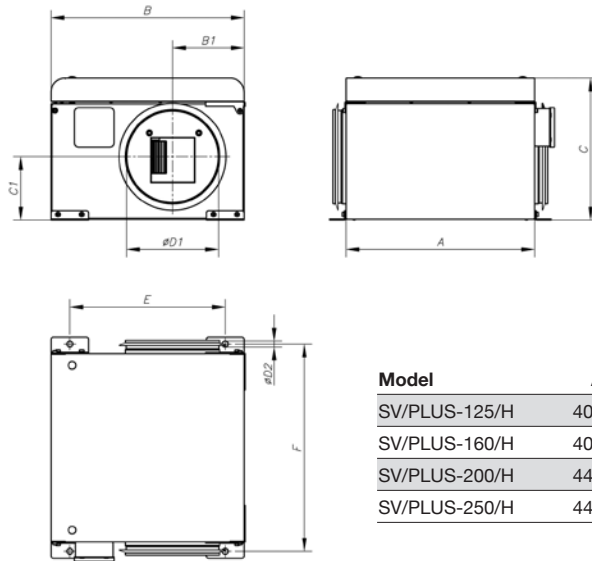
Dimensions in mm

SV



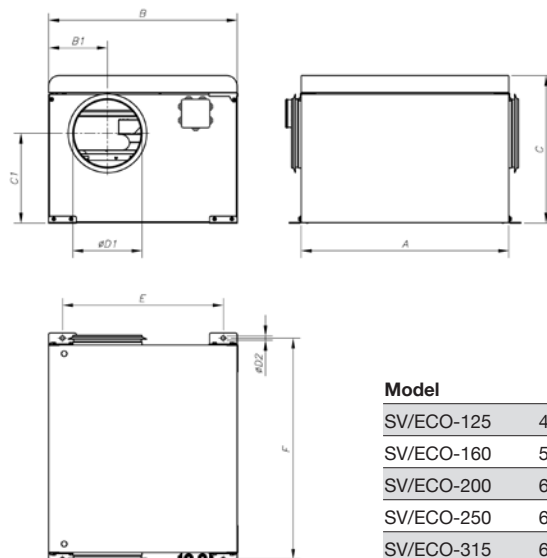
| Model | A | B | C1 | C2 | øD1 | L | øD2 | EC1 | EC2 | T |
|----------|-----|-----|-------|-----|-----|------|-----|-----|-----|-----|
| SV-125/H | 310 | 250 | 80 | 201 | 125 | 36.5 | 7 | 260 | 200 | 383 |
| SV-150/H | 370 | 290 | 92 | 222 | 150 | 34.5 | 7 | 320 | 240 | 439 |
| SV-200/H | 430 | 340 | 117 | 246 | 200 | 34.5 | 7 | 380 | 290 | 499 |
| SV-200/L | 430 | 340 | 117 | 246 | 200 | 34.5 | 7 | 380 | 290 | 499 |
| SV-250/H | 480 | 395 | 140 | 296 | 250 | 51.5 | 7 | 430 | 345 | 583 |
| SV-250/L | 480 | 395 | 140 | 296 | 250 | 51.5 | 7 | 430 | 345 | 583 |
| SV-315/H | 565 | 490 | 173.5 | 370 | 315 | 55 | 8.5 | 515 | 440 | 675 |
| SV-350/H | 650 | 550 | 200 | 410 | 355 | 57 | 8.5 | 600 | 500 | 764 |
| SV-400/H | 725 | 610 | 200 | 454 | 400 | 70 | 8.5 | 675 | 560 | 865 |

SV/PLUS



| Model | A | B | B1 | C | C1 | øD1 | øD2 | E | F |
|---------------|-----|-----|-------|-----|-------|-----|------|-----|-----|
| SV/PLUS-125/H | 400 | 410 | 277 | 300 | 171.5 | 125 | 12.5 | 330 | 440 |
| SV/PLUS-160/H | 400 | 410 | 148.5 | 300 | 142.5 | 160 | 12.5 | 330 | 440 |
| SV/PLUS-200/H | 444 | 444 | 222 | 420 | 251.5 | 200 | 12.5 | 364 | 484 |
| SV/PLUS-250/H | 444 | 444 | 222 | 420 | 221.5 | 250 | 12.5 | 364 | 484 |

SV/ECO



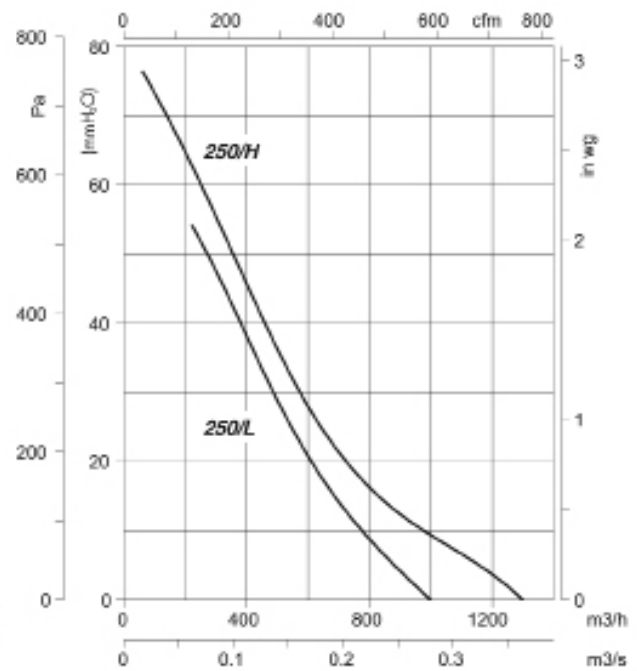
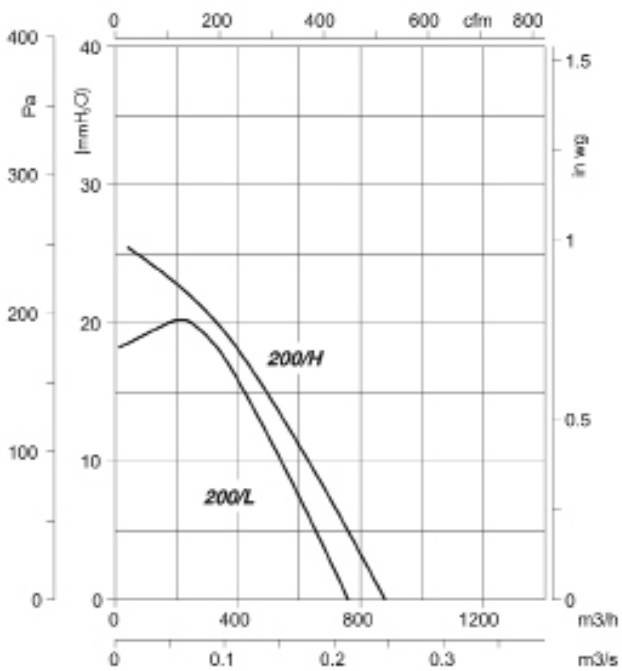
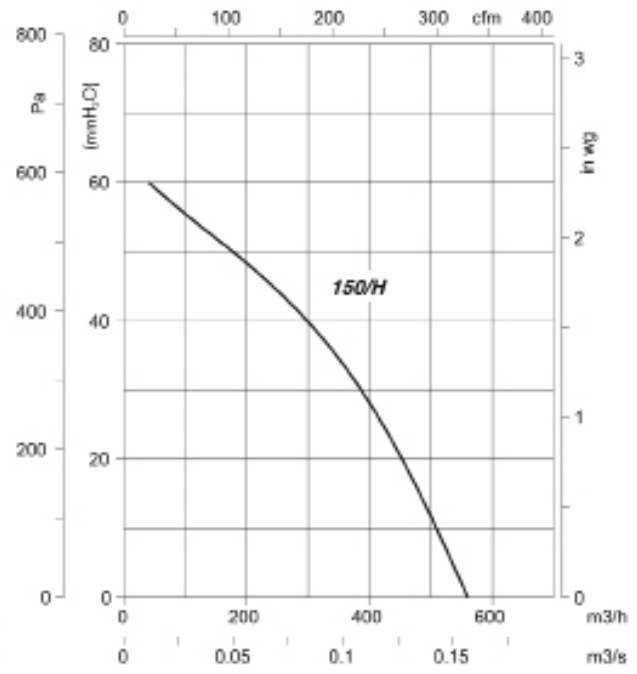
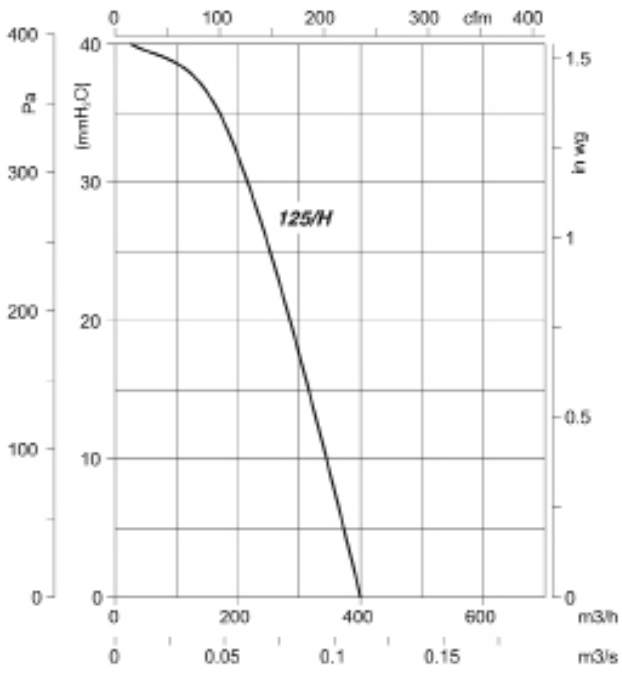
| Model | A | B | B1 | C | C1 | øD1 | øD2 | E | F |
|------------|-----|-----|-------|-----|-------|-----|------|-----|-----|
| SV/ECO-125 | 400 | 410 | 205 | 325 | 165.5 | 125 | 12.5 | 330 | 440 |
| SV/ECO-160 | 550 | 485 | 149 | 340 | 194.5 | 160 | 12.5 | 405 | 590 |
| SV/ECO-200 | 600 | 545 | 170 | 425 | 259.5 | 200 | 12.5 | 465 | 640 |
| SV/ECO-250 | 600 | 545 | 194 | 425 | 234.5 | 250 | 12.5 | 465 | 640 |
| SV/ECO-315 | 675 | 595 | 227.5 | 475 | 251.5 | 315 | 12.5 | 515 | 715 |

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mm.w.c., Pa and inwg.

SV

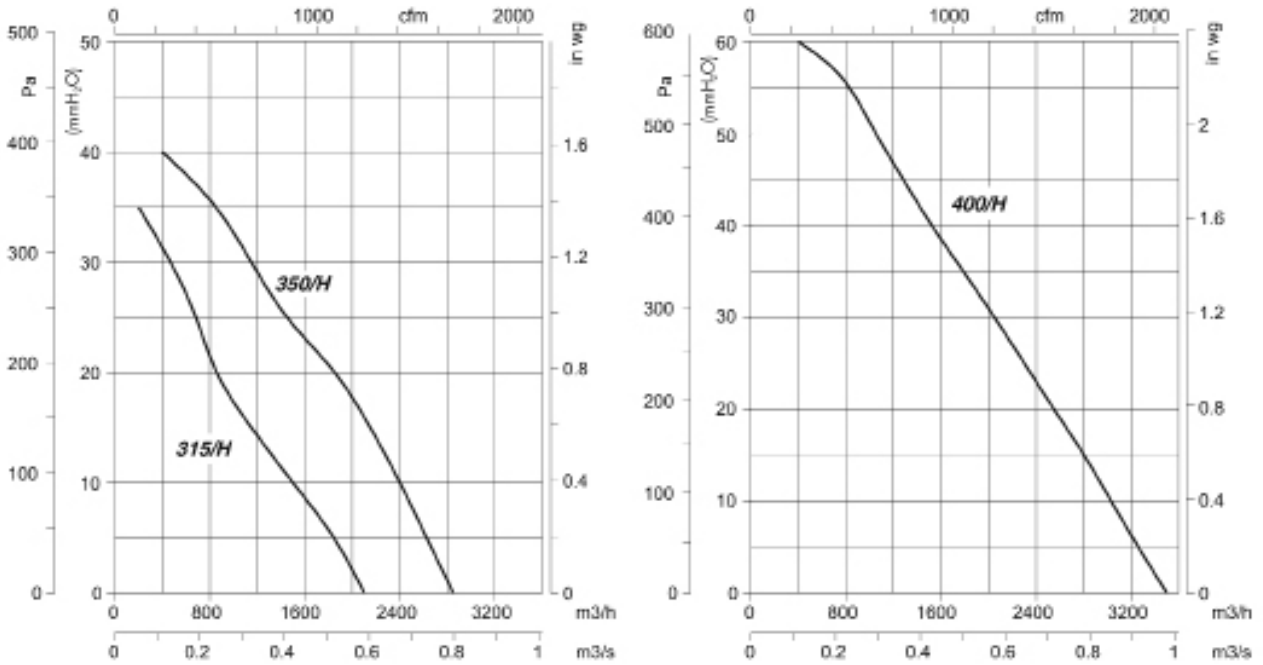


Characteristic curves

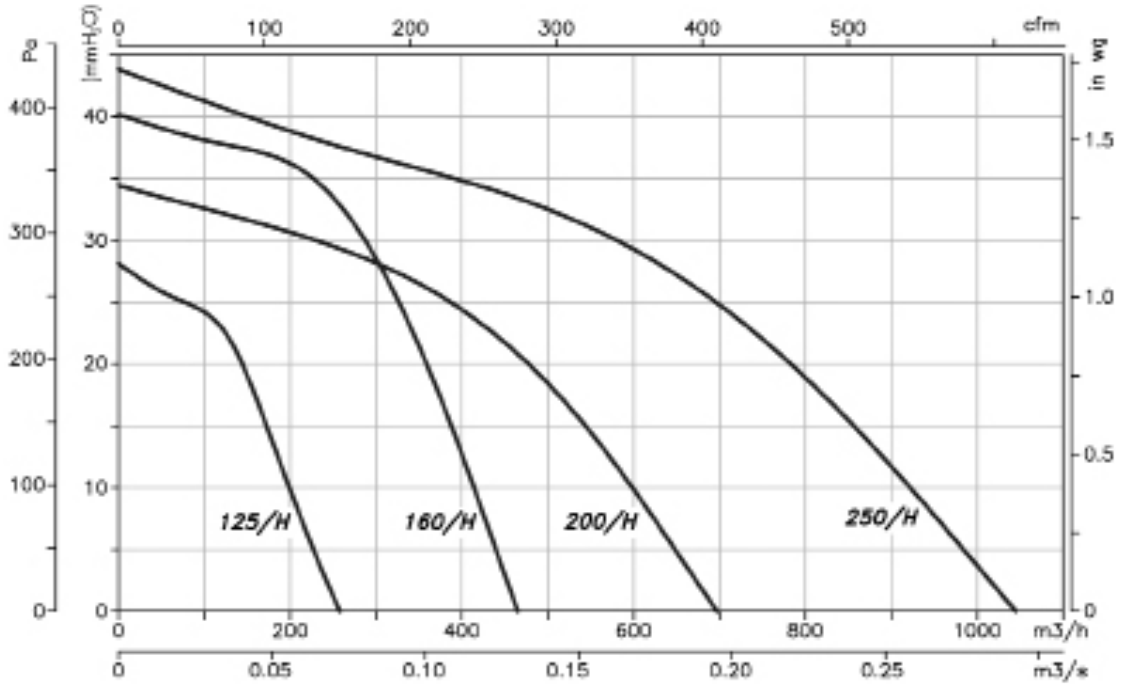
Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mm.w.c., Pa and inwg.

SV



SV/PLUS

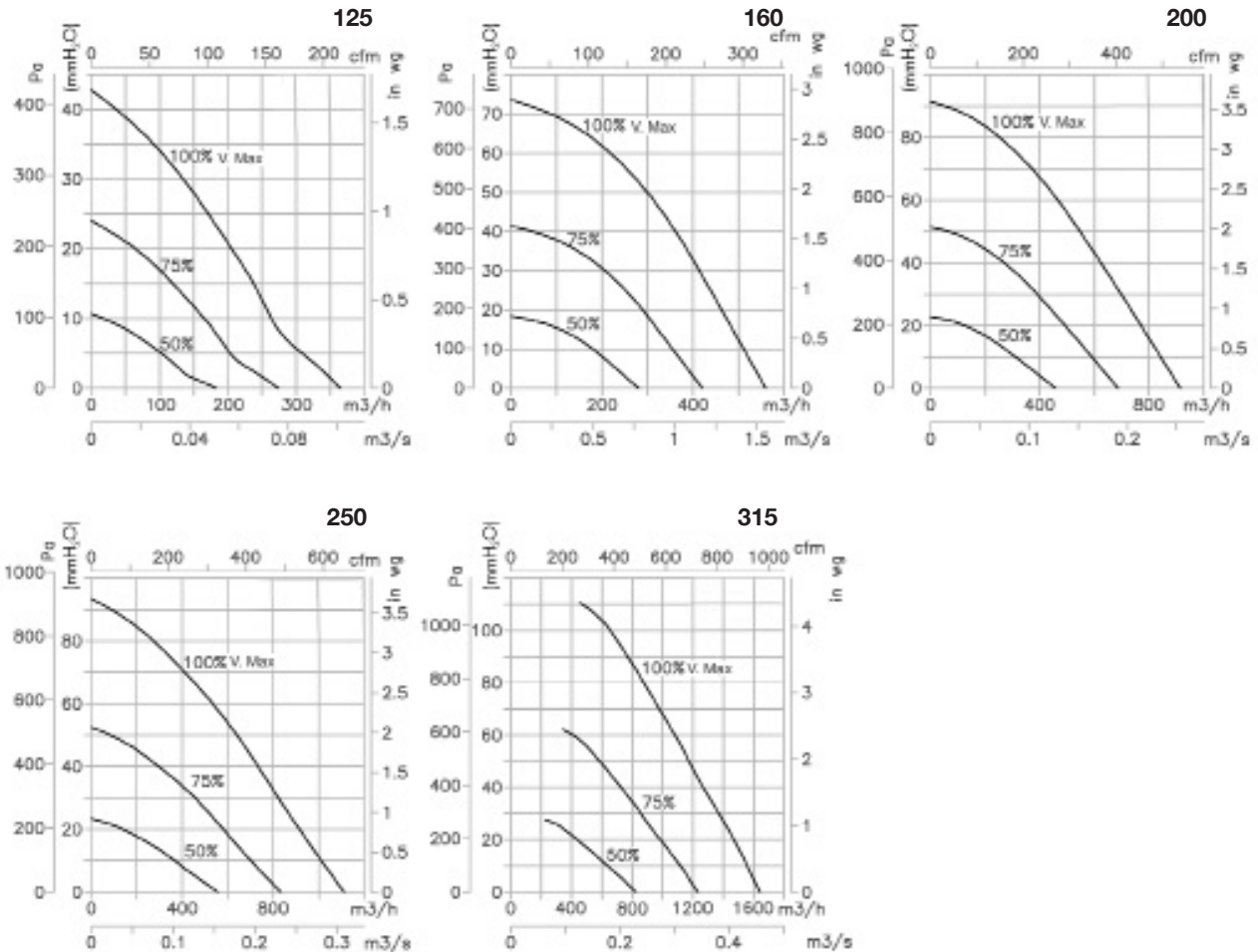


Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.

SV/ECO



Accessories

See accessories section.



CA/LINE

In-line circular fans for ducts with Long Life ball bearings



- Fan:
- Steel sheet casing
 - External terminal board
 - Quick and easy to install
 - Includes base stand

- Motor:
- Motors with Long Life ball bearings, IPX4 protection, two-speed and adjustable
 - Single-phase 220-240V. 50/60 Hz
 - Working temperature: -10°C +60°C

- Finish:
- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment



Size 355

Order code

CA/LINE — 200

CA/LINE: In-line circular fans for ducts

Inlet diameter in mm

Technical characteristics

| Model | Speed (r/min) | Maximum admissible current 230V (A) | Absorbed electrical power (kW) | Maximum Airflow (m³/h) | Sound pressure level dB(A) | Approx. weight (Kg) |
|-------------|---------------|-------------------------------------|--------------------------------|------------------------|----------------------------|---------------------|
| CA/LINE-10 | 2460 | 0.35 | 0.074 | 260 | 33 | 2.8 |
| CA/LINE-12 | 2350 | 0.35 | 0.075 | 350 | 35 | 2.8 |
| CA/LINE-15 | 2420 | 0.44 | 0.095 | 537 | 41 | 4.8 |
| CA/LINE-20 | 2600 | 0.64 | 0.137 | 980 | 36 | 6.2 |
| CA/LINE-25 | 2390 | 0.72 | 0.157 | 1008 | 38 | 6.6 |
| CA/LINE-31 | 2378 | 0.86 | 0.189 | 1596 | 37 | 6.9 |
| CA/LINE-355 | 2098 | 1.56 | 0.357 | 2098 | 39 | 12 |

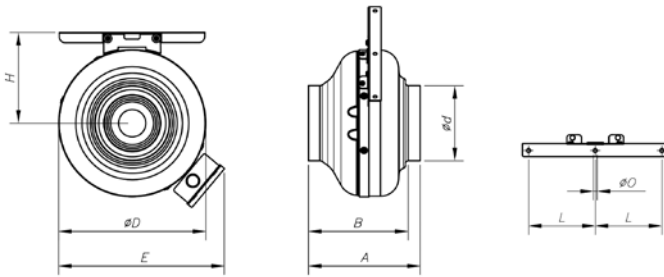
Acoustic features

The specified values are determined according to free field measurements of sound levels in dB(A) at a distance of 3 m.

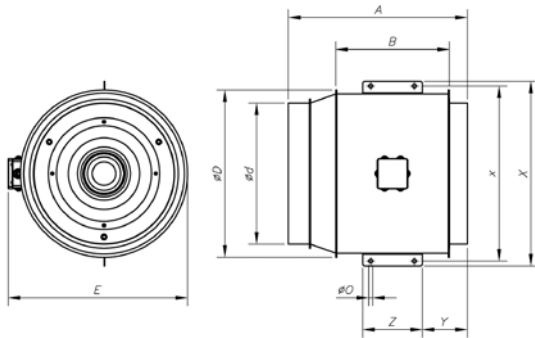
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------|----|-----|-----|-----|------|------|------|------|-------|----|-----|-----|-----|------|------|------|------|
| 10 | 7 | 23 | 16 | 33 | 45 | 44 | 37 | 26 | 25 | 14 | 21 | 29 | 36 | 39 | 37 | 38 | 38 |
| 12 | 8 | 17 | 18 | 34 | 43 | 41 | 33 | 22 | 31 | 12 | 20 | 29 | 36 | 36 | 39 | 38 | 35 |
| 15 | 10 | 19 | 38 | 40 | 49 | 41 | 40 | 24 | 355 | 12 | 17 | 29 | 37 | 39 | 40 | 39 | 38 |
| 20 | 11 | 13 | 21 | 35 | 41 | 36 | 46 | 38 | | | | | | | | | |

Dimensions in mm



| Model | A | B | ød | øD | E | H | L | øO |
|------------|-----|-----|-----|-----|-----|-----|----|----|
| CA/LINE-10 | 200 | 178 | 100 | 268 | 318 | 141 | 80 | 12 |
| CA/LINE-12 | 200 | 178 | 125 | 268 | 318 | 141 | 80 | 12 |
| CA/LINE-15 | 269 | 244 | 150 | 342 | 392 | 178 | 80 | 12 |
| CA/LINE-20 | 269 | 229 | 200 | 342 | 392 | 178 | 80 | 12 |
| CA/LINE-25 | 279 | 229 | 250 | 342 | 392 | 178 | 80 | 12 |
| CA/LINE-31 | 295 | 245 | 315 | 400 | 450 | 207 | 80 | 12 |

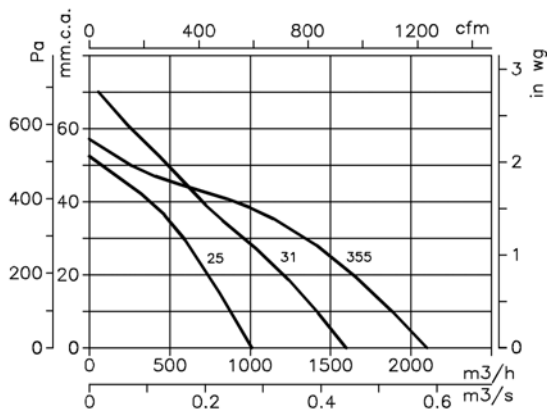
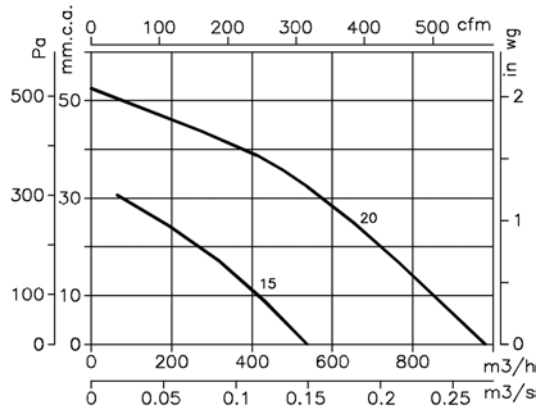
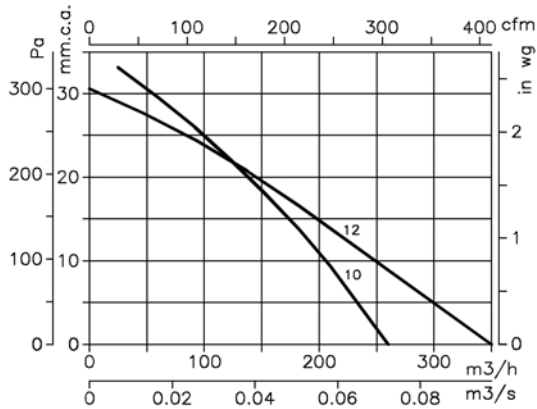


| Model | A | B | ød | øD | E | øO | x | X | Y | Z |
|-------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|
| CA/LINE-355 | 450 | 352 | 354 | 420 | 470 | 10 | 442 | 466 | 135 | 110 |

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.



CJBC CJBC/ECO

CJBC: Compact extraction units direct drive for community housing
CJBC/ECO: Compact extraction units direct drive for community housing with constant pressure control

Fan:

- Galvanised sheet steel structure with thermal insulation and soundproofing
- Impeller with forward-facing blades made from galvanised sheet steel
- Stuffing-box for cable inlet
- CJBC/ECO: It incorporates a low-pressure switch and speed regulator by means of a frequency converter to maintain a constant pressure

Motor:

- Class F closed motors with incorporated thermal protector, ball bearings and IP-54 protection
- Single-phase 220-240V.-50Hz. and three-phase 220-240/380-415V.-50Hz
- Max. air temperature to transport: -20°C.+ 60°C

Finish:

- Anticorrosive galvanized sheet steel

On request:

- With circular inlet



CJBC



CJBC/ECO

Example of use

OPTION SELF-REGULATING CONTROL



CJBC



BE ALIZE



EA



OPTION HUMIDITY-SENSITIVE CONTROL



CJBC/ECO

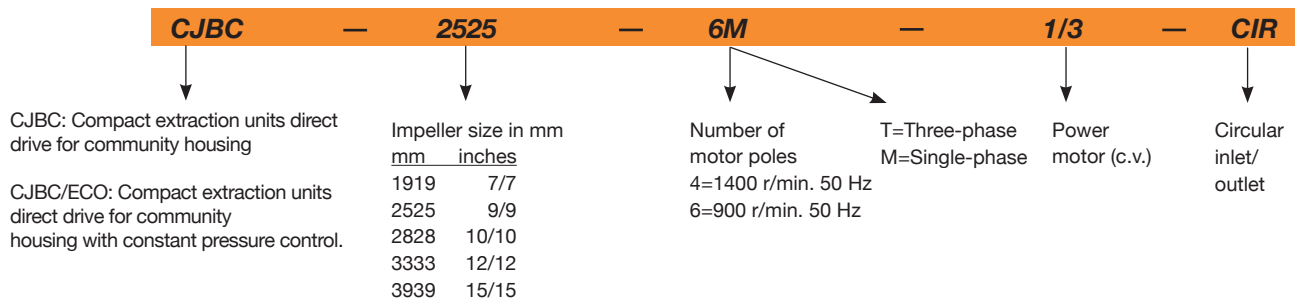


BE ALIZE-H



EA-A-HY

Order code



Technical characteristics

| Model | Speed (r/min) | Equivalent Inches | Maximum admissible intensity (A) | | Installed power (kW) | Maximum Airflow (m³/h) | Sound level dB(A) | Approx. weight (Kg) |
|------------------------|------------------|----------------------|-------------------------------------|------|----------------------------|------------------------------|----------------------|------------------------|
| | | | 230V | 400V | | | | |
| CJBC-1919-4M 1/5 | 1230 | 7/7 | 1.75 | | 0.15 | 1368 | 58 | 15.7 |
| CJBC-1919-6M 1/10 | 820 | 7/7 | 0.98 | | 0.07 | 1107 | 53 | 15.7 |
| CJBC-2525-4M 3/4 | 1310 | 9/9 | 4.50 | | 0.55 | 3240 | 70 | 23.3 |
| CJBC-2525-6M 1/3 | 830 | 9/9 | 2.40 | | 0.25 | 2430 | 61 | 22.3 |
| CJBC-2828-4M 3/4 | 1310 | 10/10 | 4.50 | | 0.55 | 3555 | 70 | 27.3 |
| CJBC-2828-6M 1/3 | 830 | 10/10 | 2.40 | | 0.25 | 2880 | 61 | 26.2 |
| CJBC-3333-6M 1 | 850 | 12/12 | 6.30 | | 0.75 | 5400 | 70 | 38.3 |
| CJBC-3333-6T 1 1/2 | 900 | 12/12 | 6.60 | 3.80 | 1.10 | 7020 | 74 | 38.7 |
| CJBC-3939-6T 3 | 890 | 15/15 | 10.90 | 6.30 | 2.20 | 10710 | 74 | 58.0 |
| CJBC/ECO-3333-6T 1 1/2 | 900 | 12/12 | 6.6 | 3.8 | 1.1 | 7020 | 74 | 40.6 |
| CJBC/ECO-3939-6T 3 | 890 | 15/15 | 10.9 | 6.3 | 2.2 | 10710 | 74 | 60.0 |



Erp. BEP (best efficiency point) characteristics

| | | | |
|------------|----------------------|----------------|--|
| MC | Measurement category | ηe[%] | Efficiency |
| EC | Efficiency category | N | Efficiency grade |
| S | Static | [kW] | Input power |
| T | Total | [m³/h] | Airflow |
| VSD | Variable-speed drive | [mmH₂O] | Static or total pressure (According to EC) |
| SR | Specific ratio | [RPM] | Speed |

| Model | MC | EC | VSD | SR | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
|--------------------|----|----|-----|------|-------|------|-------|--------|---------|-------|
| CBD-1919-4M 1/5 | A | S | NO | 1.00 | 27.7% | 38.6 | 0.194 | 926 | 21.3 | 1331 |
| CBD-1919-6M 1/10 | - | - | - | - | - | - | 0.122 | 897 | 11.8 | 878 |
| CBD-2525-4M 1/2 | A | S | NO | 1.00 | 35.4% | 43.5 | 0.529 | 2000 | 34.4 | 1316 |
| CBD-2525-4M 3/4 | A | S | NO | 1.00 | 37.0% | 44.6 | 0.637 | 2265 | 38.2 | 1350 |
| CBD-2828-4M 1/2 | A | S | NO | 1.00 | 38.4% | 46.1 | 0.599 | 2279 | 37.0 | 1292 |
| CBD-2828-4M 3/4 | A | S | NO | 1.00 | 39.4% | 46.2 | 0.871 | 3138 | 40.2 | 1295 |
| CBD-2828-6M 1/3 | A | S | NO | 1.00 | 30.8% | 39.7 | 0.387 | 2251 | 19.4 | 856 |
| CBD-2828-6M 3/4 | A | S | NO | 1.00 | 30.1% | 38.7 | 0.443 | 2549 | 19.2 | 930 |
| CBD-3333-6T 1 1/2 | A | S | NO | 1.00 | 38.0% | 44.1 | 1.116 | 5035 | 31.0 | 897 |
| CBD-3333-6M 3/4 | A | S | NO | 1.00 | 33.8% | 40.6 | 0.857 | 3787 | 28.1 | 865 |
| CBD-3333-6M 1 | A | S | NO | 1.00 | 32.0% | 38.3 | 1.040 | 4377 | 27.9 | 871 |
| CBD-3939-6T 3 | A | S | NO | 1.01 | 44.3% | 48.5 | 2.188 | 7721 | 46.1 | 924 |
| CBD-1919-4M 1/5 3V | A | S | NO | 1.00 | 27.7% | 38.6 | 0.194 | 950 | 20.7 | 1322 |
| CBD-2525-4M 1/2 3V | A | S | NO | 1.00 | 35.0% | 43.1 | 0.523 | 1928 | 34.8 | 1319 |
| CBD-2525-4M 3/4 3V | A | S | NO | 1.00 | 35.3% | 42.8 | 0.664 | 2251 | 38.2 | 1343 |
| CBD-2525-6M 1/3 3V | A | S | NO | 1.00 | 25.0% | 34.7 | 0.295 | 1814 | 14.9 | 890 |
| CBD-2828-4M 1/2 3V | A | S | NO | 1.00 | 38.3% | 46.1 | 0.587 | 2120 | 38.9 | 1329 |
| CBD-2828-4M 3/4 3V | A | S | NO | 1.00 | 39.2% | 46.1 | 0.832 | 2916 | 41.1 | 1304 |
| CBD-2828-6M 1/3 3V | A | S | NO | 1.00 | 30.6% | 39.5 | 0.388 | 2263 | 19.3 | 851 |
| CBD-2828-6M 3/4 3V | A | S | NO | 1.00 | 30.1% | 38.7 | 0.441 | 2559 | 19.1 | 930 |
| CBD-3333-6M 3/4 3V | A | S | NO | 1.00 | 32.9% | 39.6 | 0.872 | 3683 | 28.6 | 863 |
| CBD-3333-6M 1 3V | A | S | NO | 1.00 | 31.0% | 37.2 | 1.064 | 4297 | 28.2 | 868 |

Acoustic features

The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz. Maximum speed

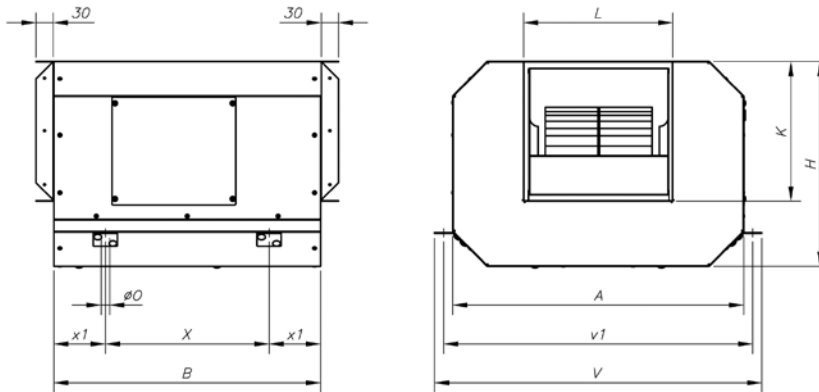
| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------|----|-----|-----|-----|------|------|------|------|------------------------|----|-----|-----|-----|------|------|------|------|
| CJBC-1919-4M 1/5 | 43 | 54 | 58 | 62 | 64 | 63 | 62 | 53 | CJBC-3333-6M 1 | 55 | 66 | 70 | 74 | 76 | 75 | 74 | 65 |
| CJBC-1919-6M 1/10 | 38 | 49 | 53 | 57 | 59 | 58 | 57 | 48 | CJBC-3333-6T 1 1/2 | 59 | 70 | 74 | 78 | 80 | 79 | 78 | 69 |
| CJBC-2525-4M 3/4 | 55 | 66 | 70 | 74 | 76 | 75 | 74 | 65 | CJBC-3939-6T 3 | 61 | 72 | 77 | 81 | 83 | 81 | 80 | 71 |
| CJBC-2525-6M 1/3 | 46 | 57 | 61 | 65 | 67 | 66 | 65 | 56 | CJBC/ECO-3333-6T 1 1/2 | 59 | 70 | 74 | 78 | 80 | 79 | 78 | 69 |
| CJBC-2828-4M 3/4 | 55 | 66 | 70 | 74 | 76 | 75 | 74 | 65 | CJBC/ECO-3939-6T 3 | 61 | 72 | 77 | 81 | 83 | 81 | 80 | 71 |
| CJBC-2828-6M 1/3 | 46 | 57 | 61 | 65 | 67 | 66 | 65 | 56 | | | | | | | | | |



Version with circular inlet/outlet

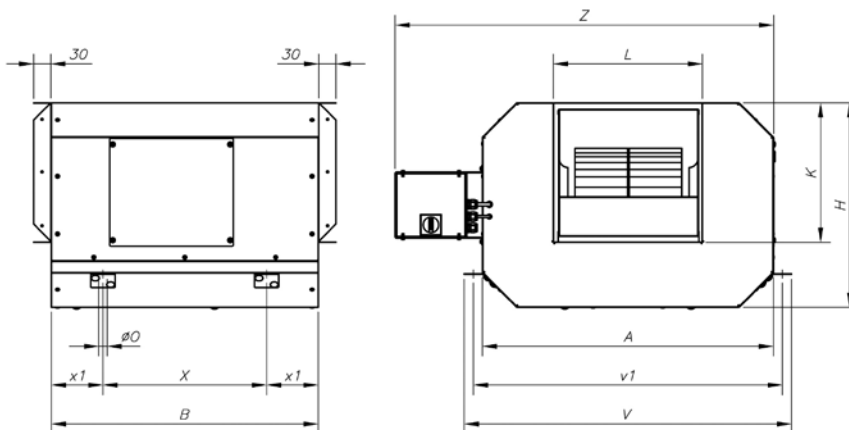
Dimensions in mm

CJBC



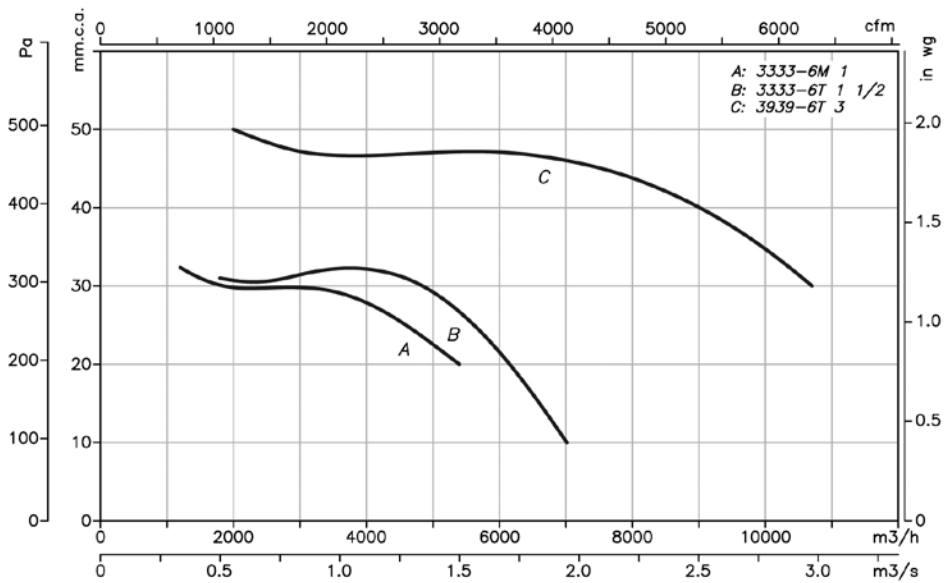
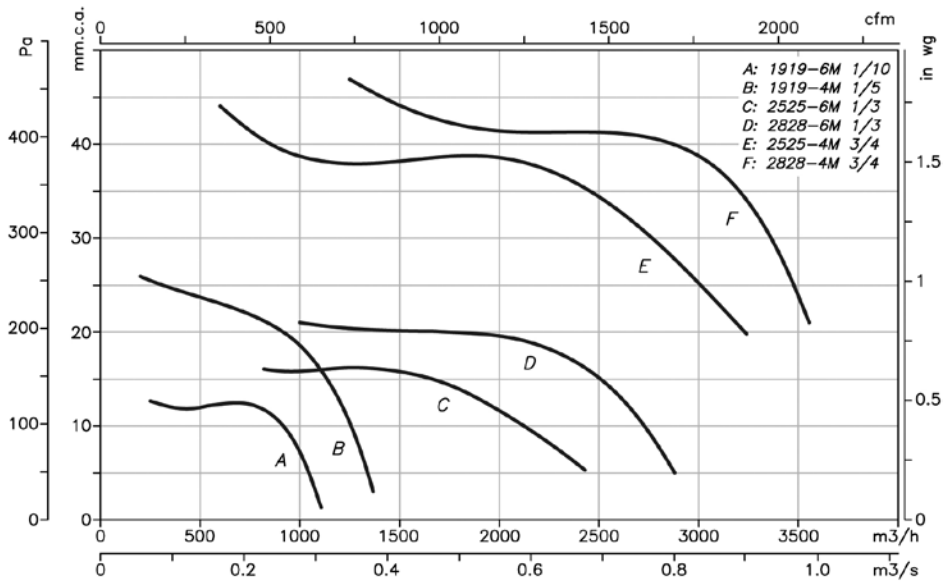
| Model | A | B | H | K | L | øO | V | v1 | X | x1 |
|---------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|
| CJBC-1919-4M -1/5 | 480 | 440 | 340 | 210 | 225 | 15 | 540 | 510 | 270 | 85 |
| CJBC-1919-6M -1/10 | 480 | 440 | 340 | 210 | 225 | 15 | 540 | 510 | 270 | 85 |
| CJBC-2525-4M -3/4 | 630 | 575 | 405 | 265 | 291 | 15 | 690 | 660 | 375 | 100 |
| CJBC-2525-6M -1/3 | 630 | 575 | 405 | 265 | 291 | 15 | 690 | 660 | 375 | 100 |
| CJBC-2828-4M -3/4 | 696 | 645 | 460 | 290 | 320 | 15 | 755 | 725 | 445 | 100 |
| CJBC-2828-6M -1/3 | 696 | 645 | 460 | 290 | 320 | 15 | 755 | 725 | 445 | 100 |
| CJBC-3333-6M -1 | 825 | 760 | 535 | 345 | 379 | 15 | 885 | 855 | 510 | 125 |
| CJBC-3333-6T -1 1/2 | 825 | 760 | 535 | 345 | 379 | 15 | 885 | 855 | 510 | 125 |
| CJBC-3939-6T -3 | 910 | 900 | 636 | 405 | 467 | 15 | 970 | 940 | 650 | 125 |

CJBC/ECO



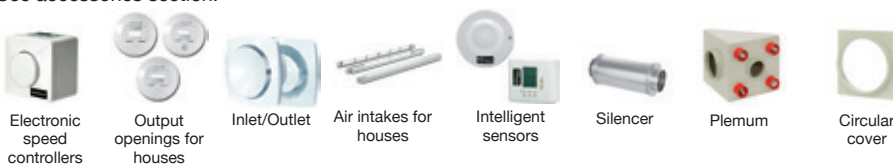
| Model | A | B | H | K | L | øO | V | v1 | X | x1 | Z |
|-------------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|------|
| CJBC/ECO-3333-6T -1 1/2 | 825 | 760 | 535 | 345 | 379 | 15 | 885 | 855 | 510 | 125 | 1080 |
| CJBC/ECO-3939-6T -3 | 910 | 900 | 636 | 405 | 467 | 15 | 970 | 940 | 650 | 125 | 1200 |

Characteristic Curves



Accessories

See accessories section.



NEOLINEO

In-line fans for small ducts with removable covers with Long Life ball bearings

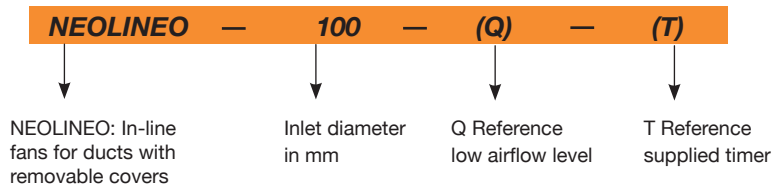


- Fan:
- V0 flame-retardant plastic casing
 - External terminal board, with variable position
 - Quick and easy to install
 - T-models are fitted with timer

- Motor:
- Motors with Long Life ball bearings, IPX4 protection, two-speed and adjustable
 - Single-phase 220-240V. 50/60 Hz
 - Working temperature: -10°C +60°C

- Finish:
- Made from white, V0 flame-retardant plastic

Order code



Technical characteristics

| Model | Speed max / min. (r/min) | Maximum admissible current 230V (A) | Installed power (W) | Maximum Airflow (m ³ /h) | Irradiated sound level* dB(A) | Approx. weight (Kg) |
|------------------|--------------------------|-------------------------------------|---------------------|-------------------------------------|-------------------------------|---------------------|
| NEOLINEO-100-Q | 2450/2070 | 0.07/0.05 | 15/12 | 200/155 | 29/25 | 1.2 |
| NEOLINEO-100-Q T | 2450/2070 | 0.07/0.05 | 15/12 | 200/155 | 29/25 | 1.2 |
| NEOLINEO-100 | 2170/1590 | 0.11/0.09 | 23/20 | 255/180 | 30/25 | 1.8 |
| NEOLINEO-100 T | 2170/1590 | 0.11/0.09 | 23/20 | 255/180 | 30/25 | 1.8 |
| NEOLINEO-125 | 2300/1600 | 0.15/0.11 | 33/25 | 365/250 | 33/27 | 1.8 |
| NEOLINEO-125 T | 2300/1600 | 0.15/0.11 | 33/25 | 365/250 | 33/27 | 1.8 |
| NEOLINEO-150 | 2290/1520 | 0.26/0.18 | 58/40 | 550/385 | 33/28 | 2.4 |
| NEOLINEO-150 T | 2290/1520 | 0.26/0.18 | 58/40 | 550/385 | 33/28 | 2.4 |
| NEOLINEO-160 | 2290/1520 | 0.26/0.18 | 58/40 | 550/385 | 34/28 | 2.4 |
| NEOLINEO-160 T | 2290/1520 | 0.26/0.18 | 58/40 | 550/385 | 34/28 | 2.4 |
| NEOLINEO-200-Q | 2720/1780 | 0.37/0.22 | 75/45 | 950/700 | 36/30 | 3.7 |
| NEOLINEO-200 | 3120/1990 | 0.63/0.21 | 74/22 | 1060/790 | 38/32 | 3.7 |
| NEOLINEO-200 T | 3120/1990 | 0.63/0.21 | 74/22 | 1060/790 | 38/32 | 3.7 |
| NEOLINEO-250-Q | 2520/1740 | 0.50/0.40 | 110/85 | 990/720 | 39/37 | 7.1 |
| NEOLINEO-250 | 3010/1720 | 1.06/0.26 | 124/27 | 1250/650 | 57/43 | 5.3 |
| NEOLINEO-315 | 2350/1800 | 1.60/0.83 | 240/119 | 1900/1400 | 60/53 | 9.5 |

(*) The radiated sound pressure levels are free field measurements at 3 metres with rigid tubes during inlet and outlet.

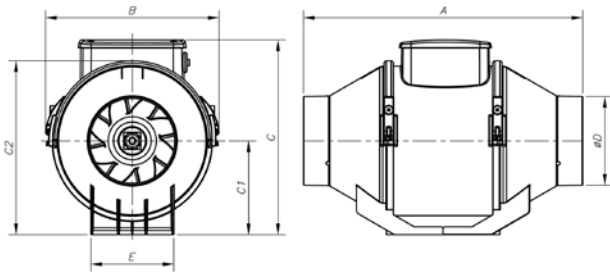


Erp. BEP (best efficiency point) characteristics

| | | | |
|------------|----------------------|---------------------------|--|
| MC | Measurement category | ηe[%] | Efficiency |
| EC | Efficiency category | N | Efficiency grade |
| S | Static | [kW] | Input power |
| T | Total | [m³/h] | Airflow |
| VSD | Variable-speed drive | [mmH₂O] | Static or total pressure (According to EC) |
| SR | Specific ratio | [RPM] | Speed |

| Model | MC | EC | VSD | SR | ηe[%] | N | (kW) | (m ³ /h) | (mmH ₂ O) | (RPM) |
|--------------|----|----|-----|------|-------|------|-------|---------------------|----------------------|-------|
| NEOLINEO-315 | C | S | NO | 1,00 | 33,5% | 50,1 | 0,261 | 1061 | 30,27 | 2350 |

Dimensions in mm



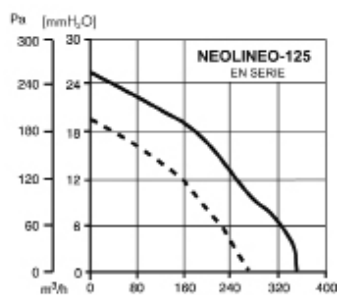
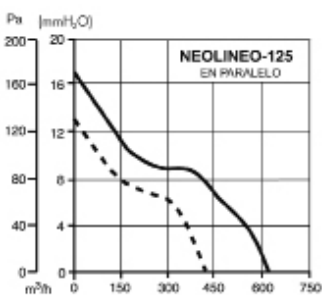
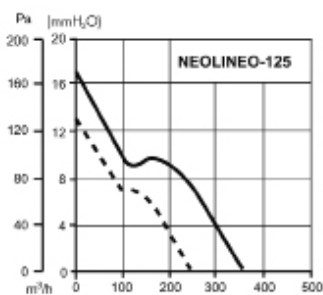
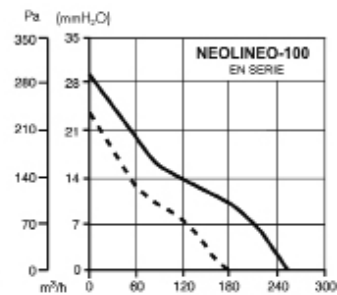
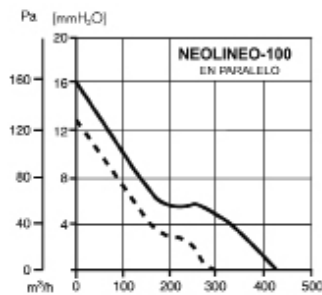
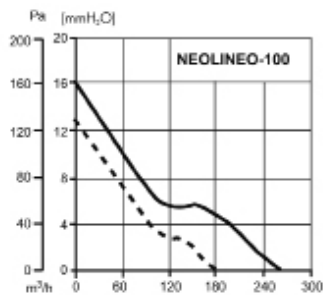
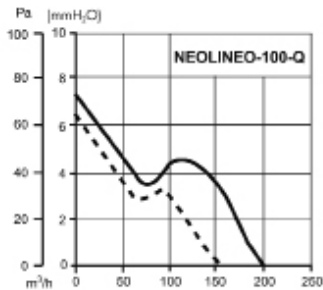
| Model | A | B | C | C1 | C2 | øD | E |
|------------------|-------|-------|-------|-------|-----|-----|-------|
| NEOLINEO-100-Q | 231 | 156 | 174 | 82 | 152 | 96 | 95 |
| NEOLINEO-100-Q T | 231 | 156 | 174 | 82 | 152 | 96 | 95 |
| NEOLINEO-100 | 303 | 188.5 | 211 | 101.5 | 189 | 96 | 90 |
| NEOLINEO-100 T | 303 | 188.5 | 211 | 101.5 | 189 | 96 | 90 |
| NEOLINEO-125 | 258 | 188.5 | 211 | 101.5 | 189 | 122 | 90 |
| NEOLINEO-125 T | 258 | 188.5 | 211 | 101.5 | 189 | 122 | 90 |
| NEOLINEO-150 | 294 | 214.5 | 234 | 112.5 | 212 | 146 | 110 |
| NEOLINEO-150 T | 294 | 214.5 | 234 | 112.5 | 212 | 146 | 110 |
| NEOLINEO-160 | 272.5 | 214.5 | 234 | 112.5 | 212 | 156 | 110 |
| NEOLINEO-160 T | 272.5 | 214.5 | 234 | 112.5 | 212 | 156 | 110 |
| NEOLINEO-200-Q | 300 | 234.5 | 260.5 | 125.5 | 235 | 196 | 140 |
| NEOLINEO-200 | 300 | 234.5 | 260.5 | 125.5 | 235 | 196 | 140 |
| NEOLINEO-200 T | 300 | 234.5 | 260.5 | 125.5 | 235 | 196 | 140 |
| NEOLINEO-250-Q | 385 | 300 | 317 | 152.5 | 292 | 247 | 176.5 |
| NEOLINEO-250 | 385 | 300 | 317 | 152.5 | 292 | 247 | 176.5 |
| NEOLINEO-315 | 448 | 361.5 | 392.5 | 188.5 | 359 | 312 | 220.5 |

Characteristic Curves

Q = Airflow in m³/h

Pe = Static pressure in mm.w.c., Pa

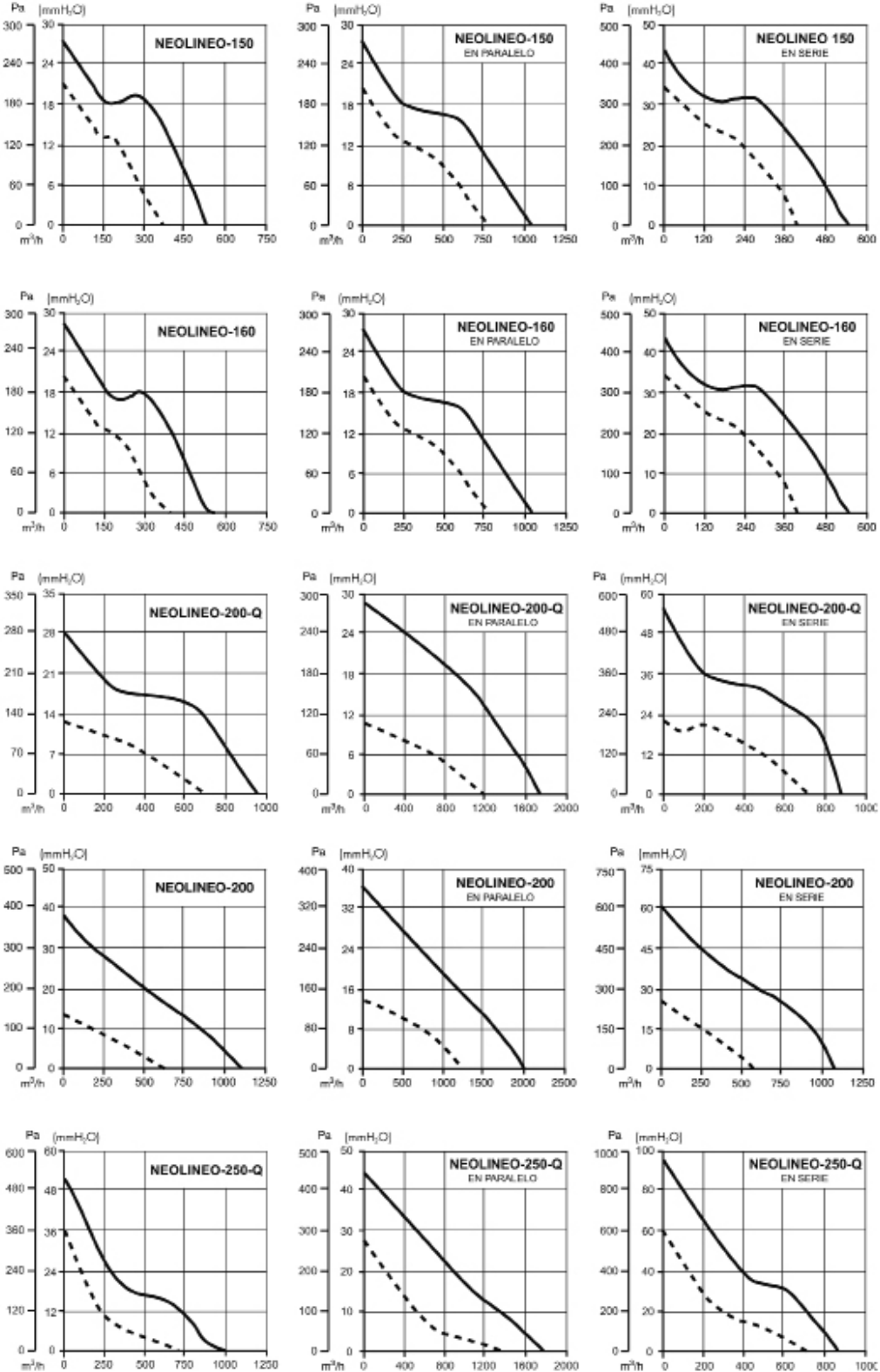
— Maximum speed
 - - - - Minimum speed



Characteristic Curves

Q = Airflow in m³/h
 Pe = Static pressure in mm.w.c., Pa

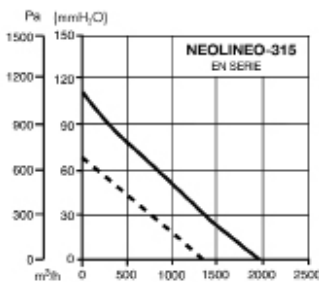
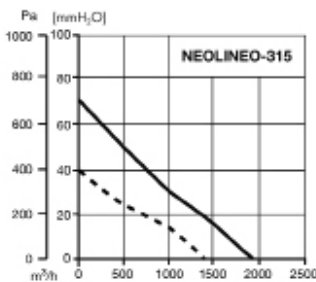
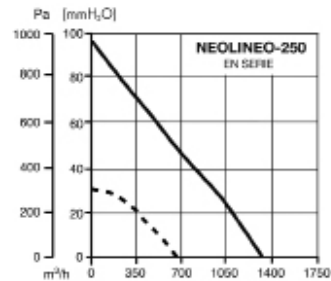
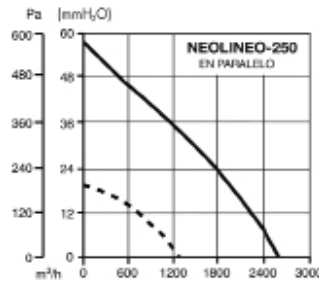
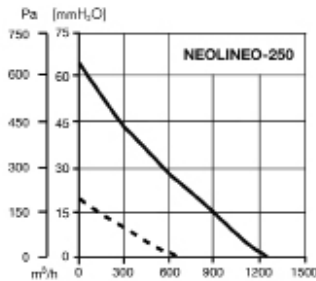
— Maximum speed
 - - - - Minimum speed



Characteristic Curves

Q = Airflow in m³/h
 Pe = Static pressure in mm.w.c., Pa

— Maximum speed
 - - - Minimum speed



Accessories

See accessories section.



PLATT



Extractor with multiple inlets/outlets and low silhouette

Low profile extractor, for installation in false ceilings and for the extraction of 4 different areas in family houses or apartments

- Designed for continuous operation, in horizontal and vertical positions
- Easy flow control in the extraction grilles themselves
- Perfect impeller and housing design to achieve high performance at low noise and power consumption levels

Construction:

- Support box and plastic outlets
- Upper structure made from galvanized sheets
- Air intake via 3 x 80 mm openings and 1 x 125 mm opening
- Air extraction via 1 x 125 mm opening
- Timer adjustable to 30 minutes

Motor:

- Motors with Long Life ball bearings, IPX4 protection, two-speed
- 230V single-phase. 50 Hz
- Working temperature: -10°C +50°C

HYGRO PLATT-ES



Low silhouette inlets/outlets extractor, designed for extraction via humidity-sensitive openings with electronically controlled brushless-ec motor

Low profile extractor, for installation in false ceilings and for the extraction of 4 different areas in family houses or apartments, where saving energy is an important factor

- Designed for continuous operation, in horizontal and vertical positions
- Exclusively for BE-ALIZE-H type humidity-sensitive grilles
- Perfect impeller and housing design to achieve high performance with low noise and high electrical efficiency (0.1 (w/m3/h))

Construction:

- Support box and plastic outlets
- Upper structure made from galvanized sheets
- Air intake via 3 x 80 mm openings and 1 x 125 mm opening
- Air extraction via 1 x 125 mm opening
- Timer adjustable to 30 minutes

Motor:

- Electronically controlled brushless-ec motor with long lasting ball bearings, IPX4 protection
- 230V single-phase. 50 Hz
- Working temperature: -10°C +50°C

Housing ventilation Kit

See accessories section



Accessories



TB Outlet cap



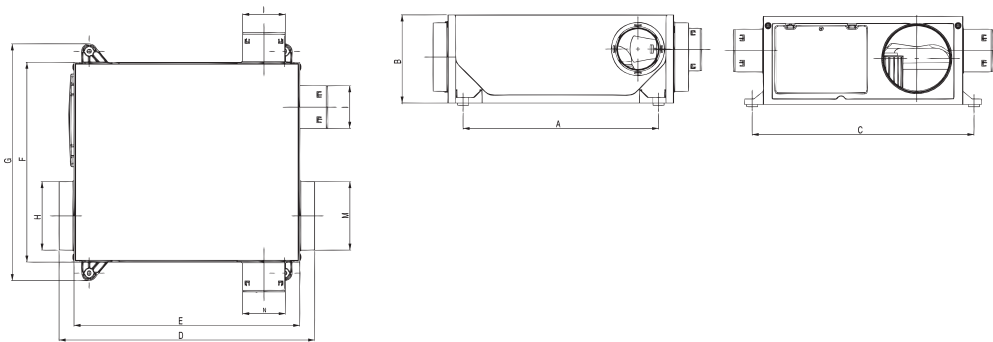
AB Outlet adapter

Technical characteristics

| Model | Speed (r/min) | Max. admissible current (A) 220-240V | Power (W) | Maximum Airflow (m ³ /h) | Irradiated* sound level dB(A) | Weight (Kg) |
|----------------|------------------|--|--------------|---|-------------------------------------|----------------|
| PLATT | 2540 | 0.24 | 55 | 400 | 49 | 4 |
| HYGRO PLATT-ES | 1450 | 0.49 | 55 | 395 | 37.5 | 4 |

*Irradiated sound pressure level are free field measurements at 3 metres

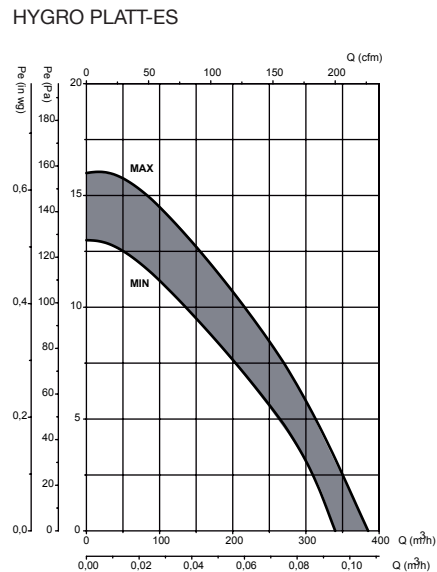
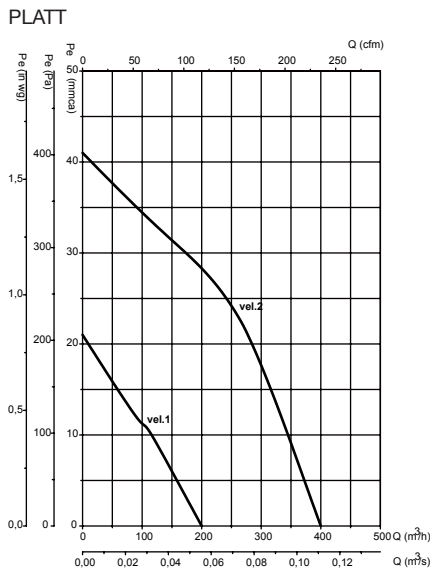
Dimensions in mm



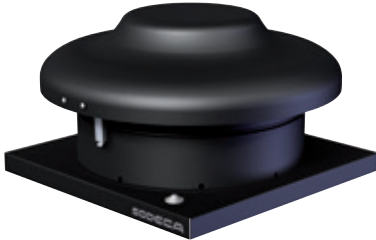
| Model | A | B | C | D | E | F | G | H | I | L | M | N |
|----------------|-----|-----|-----|-----|-----|-----|-----|-------|------|------|-------|------|
| PLATT | 355 | 160 | 403 | 464 | 410 | 363 | 430 | 124.5 | 77.5 | 77.5 | 124.5 | 77.5 |
| HYGRO PLATT-ES | 355 | 160 | 403 | 464 | 410 | 363 | 430 | 124.5 | 77.5 | 77.5 | 124.5 | 77.5 |

Characteristic curves

Q= Airflow in m³/h and m³/s.
Pe= Static pressure in mm.w.c. and Pa



CTD



Centrifugal roof fans for ventilation systems for houses

Centrifugal roof fans with low noise level, for ventilation systems for houses according to Technical Building Code

Fan:

- Sheet steel base plate.
- Impeller with backward-curved blades made from sheet steel
- Steel sheet rain deflector hood with anticorrosive protection
- Adjustable by variation of voltage
- Safety switch on request

Motor:

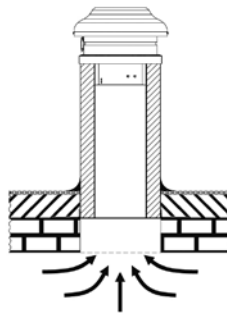
- Class F motors with external rotor, IP54 protection
- Single-phase 230V.-50Hz
- Max. air temperature to transport: -40°C.+ 70°C

Finish:

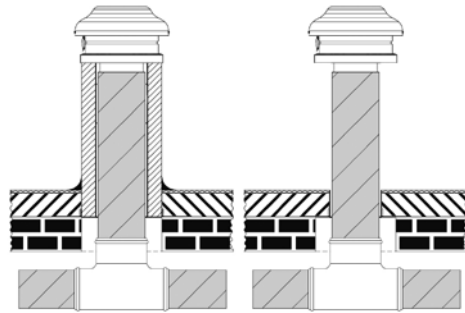
- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment



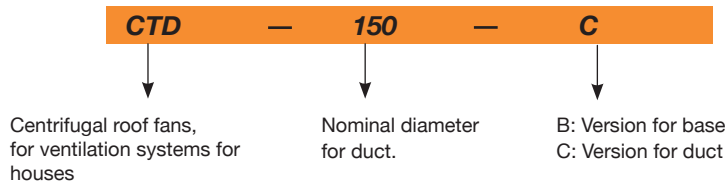
B version



C version



Order code



Technical characteristics

| Model | Speed (r/min) | Maximum admissible intensity (A) 230V | Installed power (W) | Maximum Airflow (m³/h) | Sound pressure ¹ level at 2/3 of Qmax dB(A) | | Approx. weight (Kg) |
|---------|------------------|---|---------------------------|------------------------------|---|--------|------------------------|
| | | | | | Inlet | Outlet | |
| CTD 150 | 2442 | 0.28 | 65 | 409 | 43 | 37 | 4.4 |
| CTD 160 | 2442 | 0.28 | 65 | 409 | 43 | 37 | 4.4 |
| CTD 200 | 2534 | 0.42 | 97 | 711 | 46 | 39 | 6.8 |
| CTD 250 | 2542 | 0.68 | 155 | 926 | 46 | 41 | 7.6 |
| CTD 315 | 2442 | 0.90 | 208 | 1024 | 48 | 42 | 8 |

(1)The sound level values are measurements of pressure in dB(A) at a distance of 6 m and at 2/3 of the maximum airflow (2/3 Qmax.)

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at a distance of 6 m.

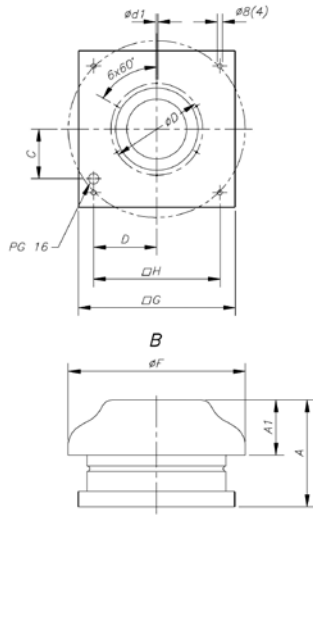
Values taken at the inlet with 2/3 of the maximum airflow (2/3Qmax).

| Model | Sound power Lw(A) spectrum in dB(A) via frequency band in [Hz]. | | | | | | | |
|---------|---|-----|-----|-----|------|------|------|------|
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| CTD 150 | 38 | 44 | 54 | 59 | 60 | 61 | 57 | 41 |
| CTD 160 | 38 | 44 | 54 | 59 | 60 | 61 | 57 | 41 |
| CTD 200 | 39 | 50 | 57 | 63 | 64 | 62 | 58 | 54 |
| CTD 250 | 40 | 52 | 56 | 63 | 64 | 62 | 56 | 51 |
| CTD 315 | 44 | 57 | 59 | 64 | 65 | 63 | 62 | 57 |

Values taken at outlet with 2/3 of the maximum airflow (2/3 Qmax).

| Model | Sound power Lw(A) spectrum in dB(A) via frequency band in [Hz]. | | | | | | | |
|---------|---|-----|-----|-----|------|------|------|------|
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| CTD 150 | 28 | 37 | 51 | 54 | 58 | 53 | 47 | 32 |
| CTD 160 | 28 | 37 | 51 | 54 | 58 | 53 | 47 | 32 |
| CTD 200 | 31 | 44 | 53 | 57 | 58 | 54 | 50 | 40 |
| CTD 250 | 32 | 44 | 53 | 58 | 61 | 59 | 52 | 43 |
| CTD 315 | 34 | 50 | 55 | 58 | 61 | 59 | 52 | 45 |

Dimensions in mm

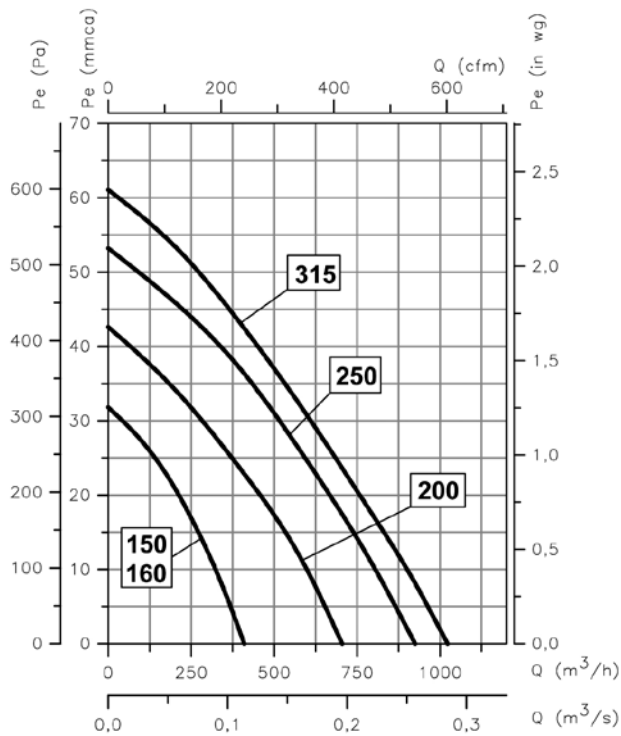


| Model | øF | A | A1 | ∅G | øD | ød1 | C | D | ∅H | øO |
|-----------|-----|--------|-----|-----|-----|-----|------|-------|-----|-----|
| CTD-150/B | 344 | 207.3 | 107 | 305 | 177 | 6.1 | 96.5 | 123.5 | 245 | - |
| CTD-160/B | 344 | 207.3 | 107 | 305 | 177 | 6.1 | 96.5 | 123.5 | 245 | - |
| CTD-200/B | 450 | 214.35 | 109 | 405 | 230 | 7.1 | 138 | 168 | 330 | - |
| CTD-250/B | 450 | 245.55 | 109 | 405 | 230 | 7.1 | 138 | 168 | 330 | - |
| CTD-315/B | 450 | 245.55 | 109 | 405 | 230 | 7.1 | 138 | 168 | 330 | - |
| CTD-150/C | 344 | 207.3 | 107 | 305 | 177 | 6.1 | 96.5 | 123.5 | 245 | 147 |
| CTD-160/C | 344 | 207.3 | 107 | 305 | 177 | 6.1 | 96.5 | 123.5 | 245 | 157 |
| CTD-200/C | 450 | 214.35 | 109 | 405 | 230 | 7.1 | 138 | 168 | 330 | 197 |
| CTD-250/C | 450 | 245.55 | 109 | 405 | 230 | 7.1 | 138 | 168 | 330 | 247 |
| CTD-315/C | 450 | 245.55 | 109 | 405 | 230 | 7.1 | 138 | 168 | 330 | 312 |

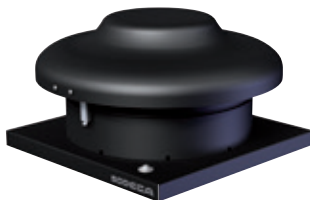
Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.



On request



INT Safety switch

CA-ROOF

Centrifugal roof fans for chimney ventilation in houses

In-line centrifugal extractor, with built-in hood to carry out the extraction or impulsion of the air in individual dwellings or community housing

- Designed for continuous operation, in any position
- Possibility of supply with base or directly to pipe, according to the model

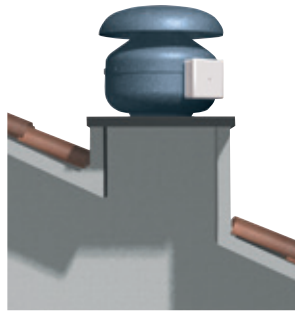


Construction:

- Galvanised sheet base plate.
- Impeller with backward-curved blades
- Galvanised sheet rain deflector hood
- Treated with anticorrosive paint

Motor:

- Motor with Long Life ball bearings, IPX4 protection
- 230V single-phase. 50 Hz
- Working temperature: -20°C +50°C
- Automatic thermal protector reset



B version



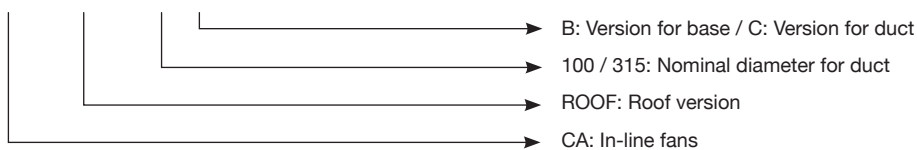
C version

Technical characteristics

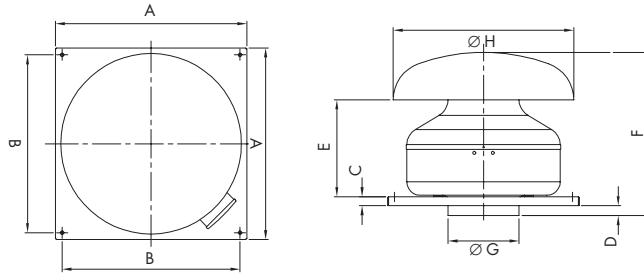
| Model | Speed (r/min) | Max. admissible current (A) 220-240V | Power (W) | Maximum Airflow (m³/h) | Irradiated* sound level dB(A) | Weight (Kg) |
|-------------|------------------|---|--------------|---------------------------|----------------------------------|----------------|
| CA/ROOF 125 | 2300 | 0.34 | 75 | 350 | 54 | 5 |
| CA/ROOF 150 | 2370 | 0.34 | 80 | 450 | 56.5 | 7 |
| CA/ROOF 160 | 2650 | 0.68 | 150 | 750 | 64 | 8.8 |
| CA/ROOF 200 | 2700 | 0.69 | 160 | 850 | 63 | 8 |
| CA/ROOF 250 | 2430 | 0.80 | 180 | 1180 | 61.5 | 9.9 |
| CA/ROOF 315 | 2480 | 1.10 | 250 | 1600 | 64.5 | 11 |

*Irradiated sound pressure level are free field measurements at 3 metres

CA/ ROOF-125/C



Dimensions in mm

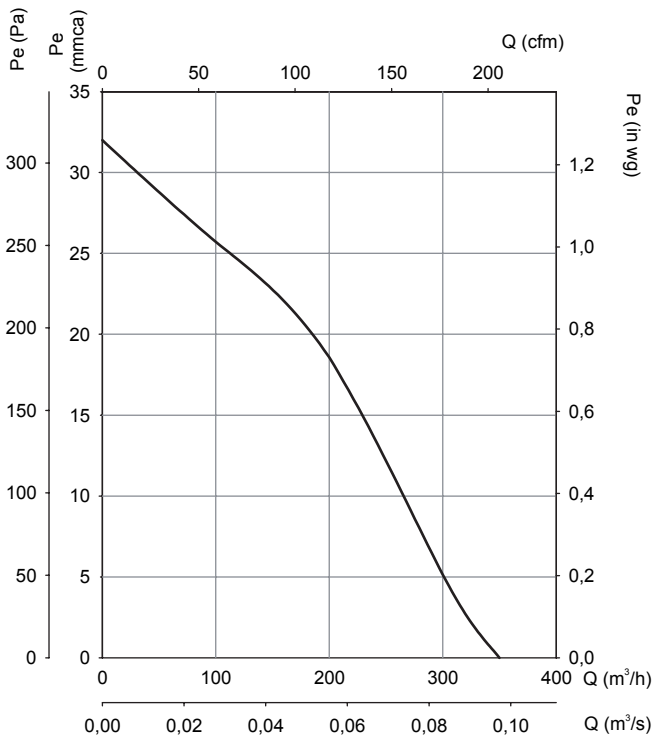


| Model | A | B | C | D | E | F | ØG | ØH |
|-------------|-----|-----|----|----|-----|-----|-----|-----|
| CA/ROOF 125 | 334 | 280 | 20 | 2 | 193 | 290 | 122 | 300 |
| CA/ROOF 150 | 424 | 370 | 20 | 17 | 198 | 340 | 147 | 400 |
| CA/ROOF 160 | 424 | 370 | 20 | 22 | 214 | 361 | 157 | 400 |
| CA/ROOF 200 | 424 | 370 | 20 | 17 | 203 | 345 | 197 | 534 |
| CA/ROOF 250 | 489 | 435 | 20 | 27 | 193 | 376 | 247 | 534 |
| CA/ROOF 315 | 489 | 435 | 20 | 21 | 226 | 403 | 312 | 534 |

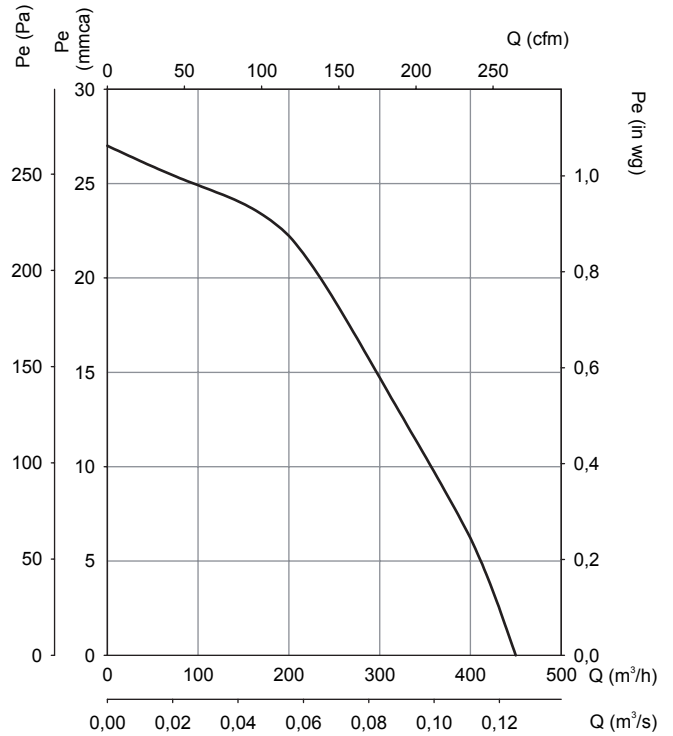
Characteristic curves

Q= Airflow in m³/h and m³/s.
Pe= Static pressure in mm.w.c. and Pa

CA-ROOF 125



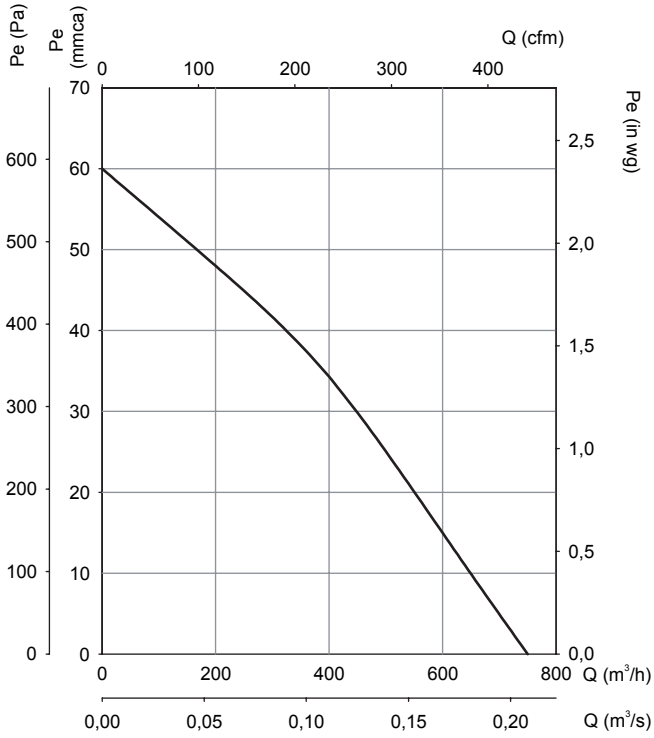
CA-ROOF 150



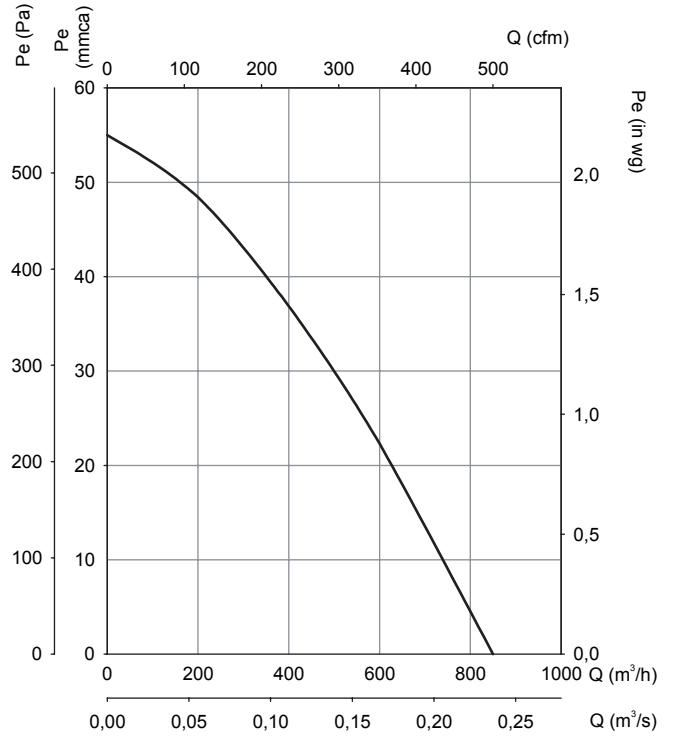
Characteristic curves

Q= Airflow in m³/h and m³/s.
 Pe= Static pressure in mm.w.c. and Pa

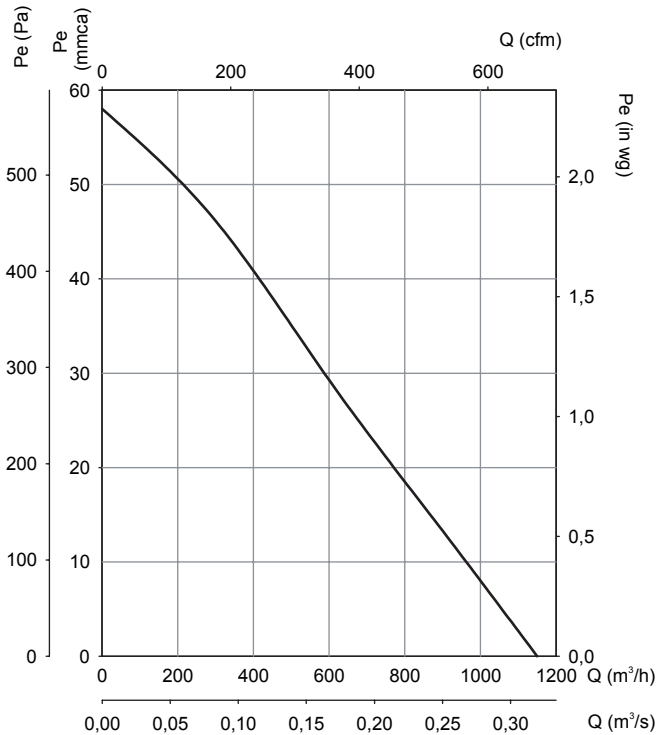
CA-ROOF 160



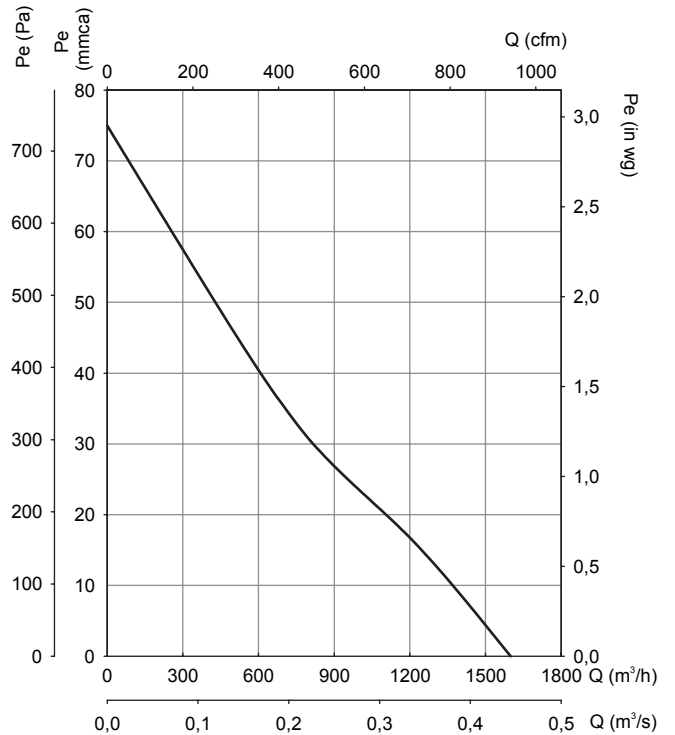
CA-ROOF 200



CA-ROOF 250



CA-ROOF 315



CHRE

Centrifugal roof fans with low noise level

Centrifugal roof fans with low noise level and external rotor motor.



Fan:

- Sheet steel base plate.
- Impeller with backward-curved blades made from sheet steel
- Bird guard
- Sheet steel rain deflector hood with anticorrosive protection

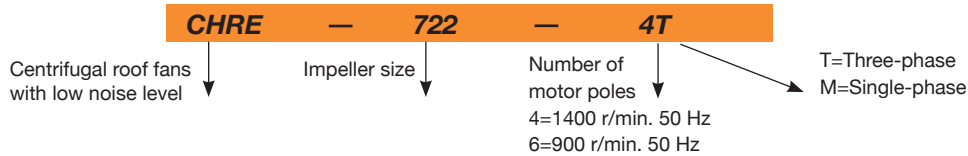
Motor:

- Class F external rotor motors, IP54 protection
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.
- Max. air temperature to transport: -25°C.+ 50°C

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

Order code



Technical characteristics

| Model | Speed (r/min) | Maximum admissible current (A) | | Installed power (kW) | Maximum airflow (m³/h) | Sound pressure level at 2/3 of Qmax dB(A) | | Approx. weight (Kg) |
|--------------|---------------|--------------------------------|------|----------------------|------------------------|---|--------|---------------------|
| | | 230V | 400V | | | Inlet | Outlet | |
| CHRE-722-4T | 1360 | 0.31 | 0.18 | 0.02 | 650 | 31 | 37 | 7.6 |
| CHRE-722-4M | 1360 | 0.25 | | 0.02 | 650 | 31 | 37 | 7.6 |
| CHRE-825-4T | 1360 | 0.52 | 0.30 | 0.03 | 950 | 32 | 38 | 9.1 |
| CHRE-825-4M | 1360 | 0.34 | | 0.03 | 950 | 32 | 38 | 9.1 |
| CHRE-1131-4T | 1330 | 0.78 | 0.45 | 0.08 | 2000 | 39 | 45 | 14.1 |
| CHRE-1131-4M | 1330 | 0.70 | | 0.08 | 2000 | 39 | 45 | 14.1 |
| CHRE-1131-6T | 910 | 0.43 | 0.25 | 0.03 | 1280 | 28 | 34 | 13.6 |
| CHRE-1131-6M | 910 | 0.35 | | 0.03 | 1280 | 28 | 34 | 13.6 |
| CHRE-1135-4T | 1280 | 0.95 | 0.55 | 0.10 | 2500 | 43 | 48 | 19.1 |
| CHRE-1135-4M | 1280 | 0.85 | | 0.10 | 2500 | 43 | 48 | 19.1 |
| CHRE-1135-6T | 880 | 0.52 | 0.30 | 0.04 | 1800 | 31 | 38 | 18.1 |
| CHRE-1135-6M | 880 | 0.50 | | 0.04 | 1800 | 31 | 38 | 18.1 |
| CHRE-1240-4T | 1330 | 1.49 | 0.86 | 0.30 | 4000 | 46 | 52 | 24.8 |
| CHRE-1240-4M | 1330 | 2.10 | | 0.30 | 4000 | 46 | 52 | 26.3 |
| CHRE-1240-6T | 860 | 0.61 | 0.35 | 0.06 | 2400 | 35 | 41 | 22.3 |
| CHRE-1240-6M | 860 | 0.70 | | 0.06 | 2400 | 35 | 41 | 22.8 |
| CHRE-1445-4T | 1345 | 2.17 | 1.25 | 0.45 | 5400 | 53 | 59 | 36.0 |
| CHRE-1445-4M | 1345 | 2.80 | | 0.45 | 5400 | 53 | 59 | 38.0 |
| CHRE-1445-6T | 920 | 1.13 | 0.65 | 0.15 | 3700 | 42 | 48 | 34.5 |
| CHRE-1445-6M | 920 | 1.10 | | 0.15 | 3700 | 42 | 48 | 36.0 |
| CHRE-1650-4T | 1380 | 3.29 | 1.90 | 0.80 | 7600 | 57 | 62 | 40.5 |
| CHRE-1650-4M | 1380 | 5.80 | | 0.80 | 7600 | 57 | 62 | 48.5 |
| CHRE-1650-6T | 900 | 1.40 | 0.81 | 0.27 | 5200 | 45 | 52 | 38.0 |
| CHRE-1650-6M | 900 | 3.00 | | 0.27 | 5200 | 45 | 52 | 40.0 |

(1) The sound level values are measurements of pressure in dB(A) at a distance of 6 m and at 2/3 of the maximum airflow (2/3 Qmax.)



Erp. BEP (best efficiency point) characteristics

| MC | EC | VSD | SR | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
|----|----------------------|-------|-----------------------|-------|---|------|--------|---------|-------|
| MC | Measurement category | VSD | Variable-speed drive | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
| EC | Efficiency category | SR | Specific relationship | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
| S | Static | ηe[%] | Efficiency | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
| T | Total | N | Degree of efficiency | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
| | | [kW] | Electrical power | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |

| Model | MC | EC | VSD | SR | ηe[%] | N | (kW) | (m³/h) | (mmH₂O) | (RPM) |
|--------------|----|----|-----|------|-------|------|-------|--------|---------|-------|
| CHRE-722-4T | - | - | - | - | - | - | 0.053 | 345 | 11.55 | 1368 |
| CHRE-722-4M | - | - | - | - | - | - | 0.057 | 348 | 11.32 | 1361 |
| CHRE-825-4T | - | - | - | - | - | - | 0.073 | 561 | 14.78 | 1367 |
| CHRE-825-4M | - | - | - | - | - | - | 0.078 | 567 | 14.49 | 1360 |
| CHRE-1131-4T | C | S | NO | 1.00 | 39.6% | 58.5 | 0.160 | 1072 | 21.71 | 1352 |
| CHRE-1131-4M | C | S | NO | 1.00 | 41.7% | 60.8 | 0.151 | 1083 | 21.33 | 1341 |
| CHRE-1131-6T | - | - | - | - | - | - | 0.074 | 712 | 9.40 | 920 |
| CHRE-1131-6M | - | - | - | - | - | - | 0.080 | 719 | 9.21 | 911 |
| CHRE-1135-4T | C | S | NO | 1.00 | 43.0% | 60.9 | 0.196 | 1182 | 26.12 | 1286 |
| CHRE-1135-4M | C | S | NO | 1.00 | 42.4% | 60.2 | 0.200 | 1191 | 26.04 | 1280 |
| CHRE-1135-6T | - | - | - | - | - | - | 0.108 | 909 | 13.19 | 885 |
| CHRE-1135-6M | - | - | - | - | - | - | 0.116 | 918 | 12.93 | 880 |
| CHRE-1240-4T | C | S | NO | 1.00 | 46.4% | 60.4 | 0.461 | 1955 | 40.11 | 1347 |
| CHRE-1240-4M | C | S | NO | 1.00 | 45.3% | 59.2 | 0.467 | 2081 | 37.27 | 1332 |
| CHRE-1240-6T | - | - | - | - | - | - | 0.112 | 1064 | 14.66 | 896 |
| CHRE-1240-6M | - | - | - | - | - | - | 0.120 | 1127 | 13.64 | 889 |
| CHRE-1445-4T | C | S | NO | 1.00 | 50.7% | 63.0 | 0.668 | 3441 | 36.10 | 1355 |
| CHRE-1445-4M | C | S | NO | 1.00 | 50.5% | 63.1 | 0.626 | 3364 | 34.49 | 1360 |
| CHRE-1445-6T | C | S | NO | 1.00 | 42.8% | 59.9 | 0.237 | 2303 | 16.16 | 932 |
| CHRE-1650-4T | C | S | NO | 1.00 | 51.2% | 60.7 | 1.246 | 4905 | 47.71 | 1380 |
| CHRE-1650-4M | C | S | NO | 1.00 | 50.9% | 60.2 | 1.307 | 4976 | 49.10 | 1387 |
| CHRE-1650-6T | C | S | NO | 1.00 | 44.9% | 59.4 | 0.414 | 3252 | 20.97 | 937 |
| CHRE-1650-6M | C | S | NO | 1.00 | 44.0% | 58.5 | 0.416 | 3234 | 20.75 | 934 |

Best efficiency point data of the motor-impeller unit

Acoustic features

Values taken at inlet with 2/3 of the maximum airflow (2/3Qmax).

Values taken at outlet with 2/3 of the maximum airflow (2/3Qmax).

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

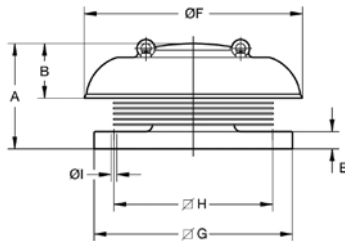
| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|--------|----|-----|-----|-----|------|------|------|------|
| 722 | 29 | 35 | 46 | 49 | 50 | 46 | 44 | 38 |
| 825 | 30 | 36 | 47 | 50 | 51 | 47 | 45 | 39 |
| 1131-4 | 40 | 49 | 54 | 54 | 58 | 57 | 50 | 44 |
| 1131-6 | 29 | 38 | 43 | 43 | 47 | 46 | 39 | 33 |
| 1135-4 | 44 | 53 | 58 | 58 | 62 | 61 | 54 | 48 |
| 1135-6 | 32 | 41 | 46 | 46 | 50 | 49 | 42 | 36 |
| 1240-4 | 48 | 54 | 60 | 60 | 63 | 66 | 57 | 51 |
| 1240-6 | 37 | 43 | 49 | 49 | 52 | 55 | 46 | 40 |
| 1445-4 | 55 | 61 | 67 | 67 | 70 | 73 | 64 | 58 |
| 1445-6 | 44 | 50 | 56 | 56 | 59 | 62 | 53 | 47 |
| 1650-4 | 60 | 67 | 72 | 72 | 76 | 75 | 68 | 63 |
| 1650-6 | 48 | 55 | 60 | 60 | 64 | 63 | 56 | 51 |

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|--------|----|-----|-----|-----|------|------|------|------|
| 722 | 33 | 38 | 52 | 54 | 55 | 55 | 50 | 45 |
| 825 | 34 | 39 | 53 | 55 | 56 | 56 | 51 | 46 |
| 1131-4 | 39 | 48 | 58 | 62 | 65 | 62 | 55 | 49 |
| 1131-6 | 28 | 37 | 47 | 51 | 54 | 51 | 44 | 38 |
| 1135-4 | 42 | 51 | 61 | 65 | 68 | 65 | 58 | 52 |
| 1135-6 | 32 | 41 | 51 | 55 | 58 | 55 | 48 | 42 |
| 1240-4 | 47 | 59 | 67 | 69 | 70 | 70 | 62 | 54 |
| 1240-6 | 36 | 48 | 56 | 58 | 59 | 59 | 51 | 43 |
| 1445-4 | 54 | 66 | 74 | 76 | 77 | 77 | 69 | 61 |
| 1445-6 | 43 | 55 | 63 | 65 | 66 | 66 | 58 | 50 |
| 1650-4 | 58 | 70 | 78 | 80 | 81 | 78 | 71 | 63 |
| 1650-6 | 48 | 60 | 68 | 70 | 71 | 68 | 61 | 53 |

To obtain the Lwa sound power spectra in dB(A) at the inlet with the maximum airflow (Qmax), add the values in the following tables to the LpA sound pressure level given on the characteristic curves:

| Frequency band in Hz | | | | | | | |
|----------------------|-----|-----|-----|------|------|------|------|
| 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 2 | 9 | 15 | 15 | 18 | 18 | 11 | 5 |

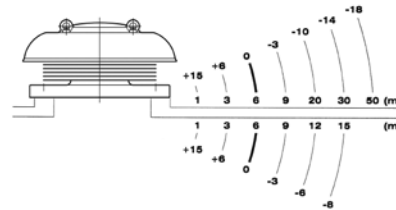
Dimensions in mm



| Model | A | B | E | ØF | ØG | ØH | ØI |
|-----------|-----|-----|----|-----|-----|-----|----|
| CHRE-722 | 194 | 110 | 30 | 440 | 355 | 295 | 12 |
| CHRE-825 | 212 | 110 | 35 | 440 | 400 | 320 | 12 |
| CHRE-1131 | 308 | 176 | 40 | 620 | 450 | 360 | 12 |
| CHRE-1135 | 325 | 176 | 40 | 620 | 560 | 450 | 12 |
| CHRE-1240 | 351 | 176 | 40 | 620 | 560 | 450 | 12 |
| CHRE-1445 | 393 | 228 | 40 | 770 | 710 | 590 | 12 |
| CHRE-1650 | 426 | 228 | 40 | 770 | 710 | 590 | 12 |

Variation of sound pressure depending on distance

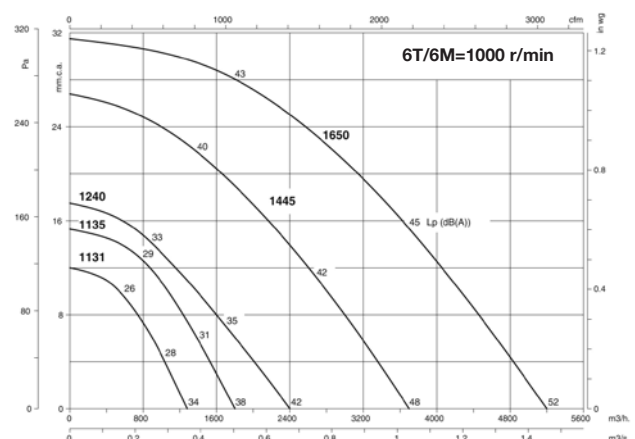
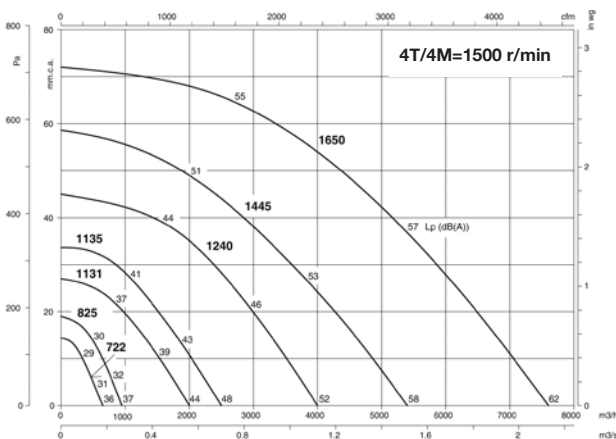
The sound level may vary depending on the roof structure.



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.
inwa.

Pe= Static pressure in mmH₂O, Pa and



Accessories

See accessories section



RCH



SI-VENT Accessories



Fan and chimney top for hybrid extraction in community housing

- Designed especially for the air extraction in houses or community housing, through chimneys or shunts. It makes it possible to maintain an attractive and uniform design throughout the building
- The Venturi version without fan, only for natural extraction
- The lightness of aluminium allows a fast and simple installation on roof

Construction:

- Manufactured in black pre-lacquered aluminium which is not altered by atmospheric agents
- Perfectly designed slats so as to obtain a high-performance Venturi effect
- Supplied voltage 230V. 50 Hz

- VENTURI: Natural operation without an extractor using the Venturi effect
- TEMPERATURA: Designed for the extraction of air in homes and barbecues with a maximum temperature of 150°C

On request:

- Measurements to fit any chimney

Versions:

- BASIC: It works with a switch or with a SI-VENT wind monitor



SYSTEM OF HYBRID VENTILATION (H.V)

This system is based on the extraction of air in a natural manner when the wind conditions outside are favourable whereas when they are unfavourable the extractor with an electric motor comes into operation to guarantee the minimum necessary extraction.

The start up of the electrical extractor is carried out by means of wind sensors, which are especially designed for this application



WIND CONTROLLER

SI-VENT, Wind sensor

The SI-VENT electronic wind controller is a highly robust and reliable device, made up of a sensor, a controller and the power supply.

The sensor is capable of measuring winds of up to 100 k.p.h. and the controller starts up the electrical extractor when the wind speed is below the programmed minimum wind value for five minutes.

RCH-400x800VM



Fan and chimney top for hybrid extraction in community housing

An assembly specially designed for controlled mechanical extraction through chimneys or condominium shunt chimneys. The system makes it possible to maintain a constant pressure in the installation, with the speed of the extractor self-regulated, obtaining the flow necessary at each moment according to the different needs of the installation, achieving a significant energy saving

- It makes it possible to maintain an attractive and uniform design throughout the house
- The lightness of aluminium allows a fast and simple installation on roof
- Measurements can be adapted to any chimney upon request

Construction:

- Manufactured in black pre-lacquered aluminium which is not altered by atmospheric agents
- Perfectly designed slats so as to obtain a high-performance Venturi effect
- Impeller unit with backward-curved blades with external rotor motor
- Adjustable differential pressure transmitter from 0...250 Pa, including screen for digital display and connection accessories

- Speed regulator by means of a frequency converter VSD1/A-RFM-0.5

Motor:

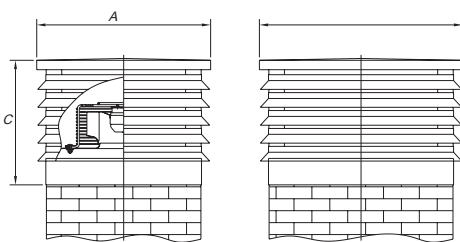
- Motor with Long Life ball bearings, IPX4 protection
- Converter supply, single-phase 230V. 50 Hz, output voltage from the converter to the motor, three-phase 230v. 50Hz
- Working temperature: -20°C +50°C

Technical characteristics

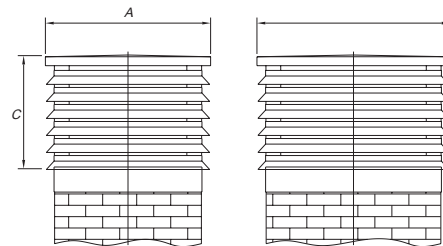
| Model | Speed (r/min) | Max. admissible current (A) 220-240V | Installed power (kW) | Maximum Airflow (m³/h) | Sound pressure level (1) at 2/3 of Qmax db (A) | | Weight aprox (Kg) |
|---------------|------------------|---|-------------------------|---------------------------|---|--------|----------------------|
| | | | | | Inlet | Outlet | |
| RCH-400x400B | 1360 | 0.34 | 0.03 | 950 | 32 | 35 | 9 |
| RCH-400x400T | 1380 | 0.65 | 0.25 | 1450 | 37 | 40 | 25 |
| RCH-400x600B | 910 | 0.35 | 0.03 | 1280 | 28 | 31 | 14 |
| RCH-400x800B | 880 | 0.50 | 0.04 | 1800 | 31 | 35 | 18 |
| RCH-400x800VM | 1280 | 0.95 | 0.10 | 2500 | 43 | 48 | 19 |

(1) The sound level values are measurements of pressure in dB(A) at a distance of 6 m and at 2/3 of the maximum airflow (2/2 Qmax).

Dimensions in mm



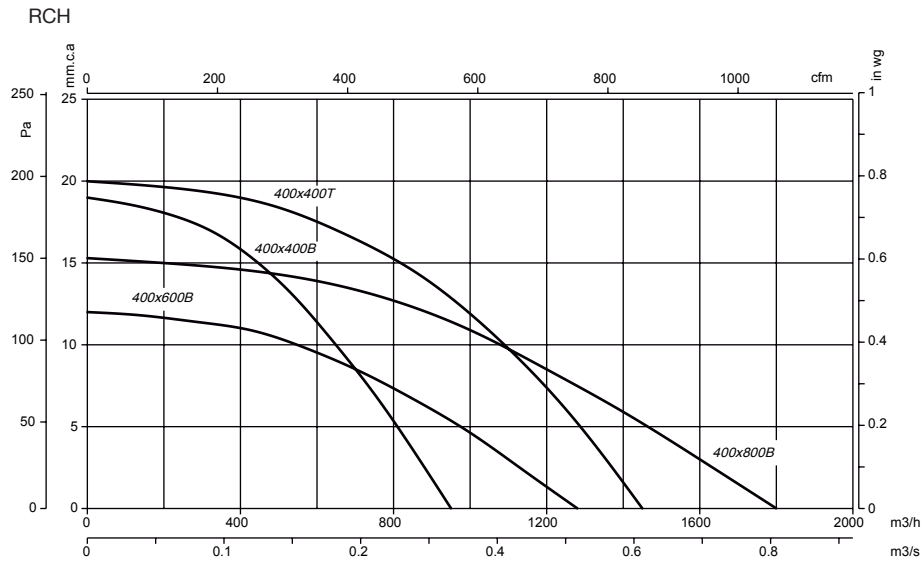
| Model | A | B | C |
|---------------|-----|-----|-----|
| RCH-400x400B | 400 | 400 | 420 |
| RCH-400x400T | 400 | 400 | 600 |
| RCH-400x600B | 400 | 600 | 420 |
| RCH-400x800B | 400 | 800 | 420 |
| RCH-400x800VM | 400 | 800 | 420 |



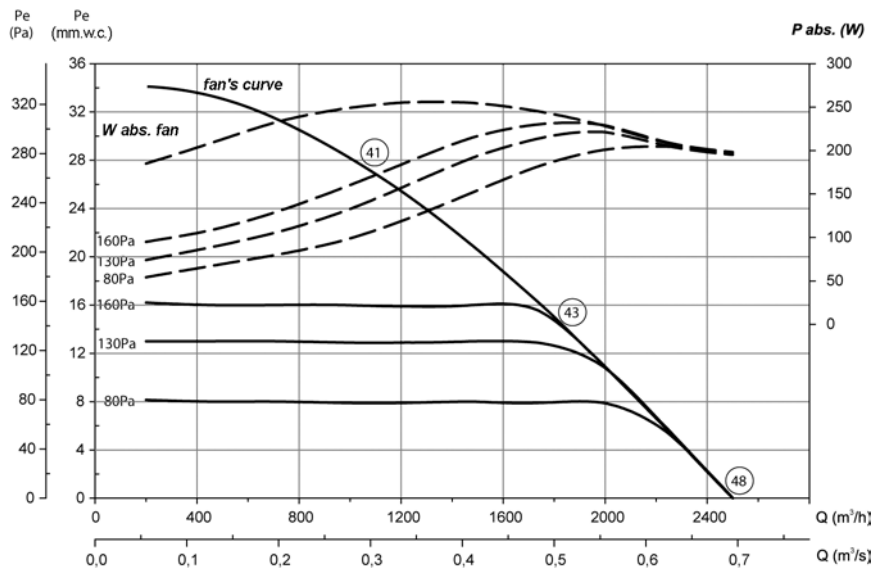
| Model | A | B | C | Useful area |
|--------------|-----|-----|-----|-------------|
| RCH-400x400V | 400 | 400 | 600 | 0.134 m² |
| RCH-400x600V | 400 | 600 | 600 | 0.191 m² |
| RCH-400x800V | 400 | 800 | 600 | 0.248 m² |

Characteristic curves

Q= Airflow in m³/h and m³/s.
 Pe= Static pressure in mm.w.c. and Pa

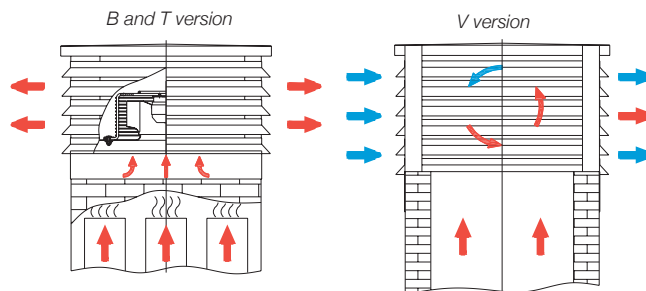


RCH-400x800VM



○ The LpA sound levels given on the curves are free field pressure measurements at 6 metres at the inlet.

Working examples



TIRACAMINO

Fans to extract smoke in chimneys and barbecues



- Especially designed to extract smoke in chimneys and barbecues up to 200°C
- Equipped with an electronic speed regulator to adjust the smoke extraction flow rate
- Designed for continuous operation 200°C

Construction:

- Made from sheet steel with polyester resin to resist atmospheric agents
- Bird guard
- Supplied voltage 230V. 50 Hz

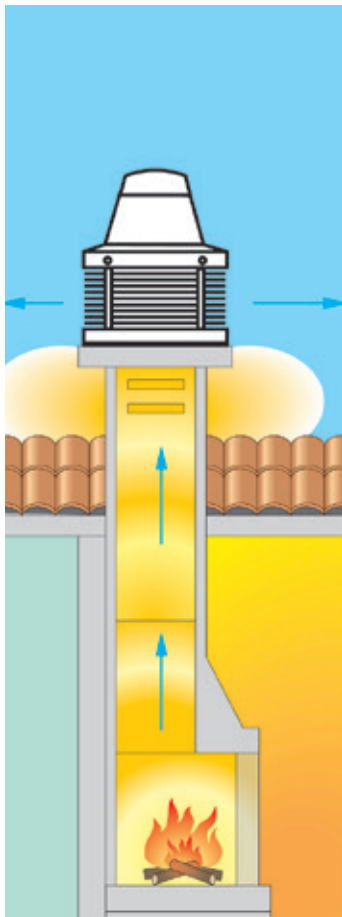
Motor:

- BASIC: works with separate switch or regulator

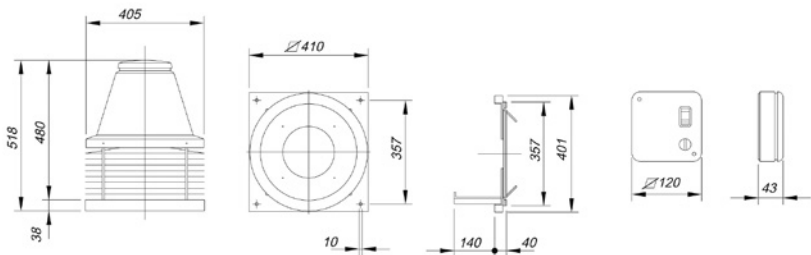
Technical characteristics

| Model | Speed (r/min) | Maximum admissible current (A) 230V | Absorbed power (W) | Maximum Airflow (m³/h) | Sound pressure level(*) dB(A) | Approx. weight (Kg) |
|------------|---------------|-------------------------------------|--------------------|------------------------|-------------------------------|---------------------|
| TIRACAMINO | 1400 | 0.50 | 120 | 750 | 52 | 14.3 |

(*) The sound level values are measurements of pressure in dB(A) at a distance of 3 m with maximum airflow

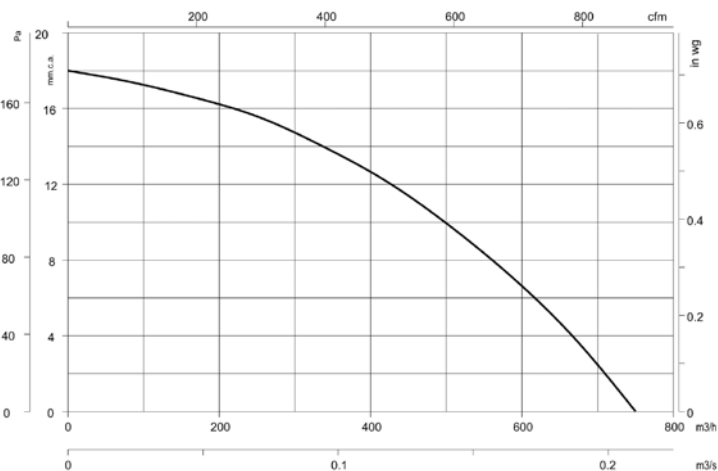


Dimensions in mm



Characteristic curves

Q= Airflow in m³/h and m³/s. Pe= Static pressure in mm.w.c. and Pa



EDMF

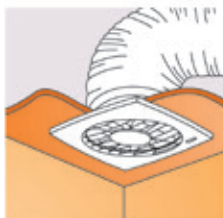
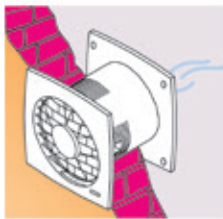
Extra-flat bathroom fans with aesthetic and modern design



- Integrates harmoniously into the bathroom
- Ultra-silent
- Slim design with only 17mm
- High efficiency aerodynamic design
- Quick and easy to install

- Construction:
- White finish
 - Non-return hatch incorporated in all models
 - Built with recyclable materials

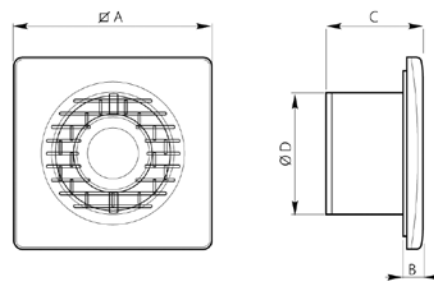
- Version:
- BASIC: works with the light switch or standalone
 - TIMER: works with adjustable electronic timer
 - LL: Long Life ball bearings



Technical characteristics

| Model | Version | Speed (r/min) | Power (W) | Airflow (m³/h) | Sound pressure level at 3m (dBA) | Weight (Kg) |
|---------------|----------|---------------|-----------|----------------|----------------------------------|-------------|
| EDMF-100 | Basic | 2300 | 14 | 95 | 34 | 0.58 |
| EDMF-100-T | Timer | 2300 | 14 | 95 | 34 | 0.58 |
| EDMF-100-LL | LL | 2300 | 14 | 95 | 34 | 0.58 |
| EDMF-100-LL-T | LL/Timer | 2300 | 14 | 95 | 34 | 0.58 |
| EDMF-120 | Basic | 2400 | 16 | 180 | 35 | 0.74 |
| EDMF-120-T | Timer | 2400 | 16 | 180 | 35 | 0.74 |
| EDMF-120-LL | LL | 2400 | 16 | 180 | 35 | 0.74 |
| EDMF-150 | Basic | 2400 | 24 | 292 | 38 | 0.92 |
| EDMF-150-T | Timer | 2400 | 24 | 292 | 38 | 0.92 |
| EDMF-150-LL | LL | 2400 | 24 | 292 | 38 | 0.92 |

Dimensions in mm



| Model | ØA | B | C | ØD |
|----------|-----|------|-------|-----|
| EDMF-100 | 150 | 12,5 | 108,5 | 100 |
| EDMF-120 | 176 | 12,5 | 114 | 125 |
| EDMF-150 | 205 | 13 | 132 | 150 |

Accessories

See accessories section.



Decorative grille



Backdraught louvre

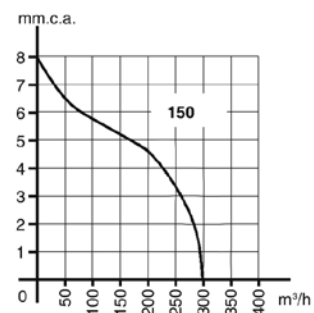
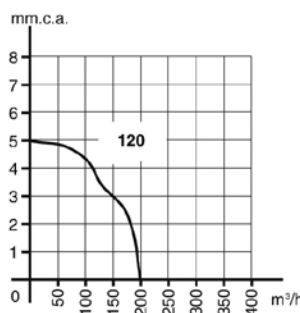
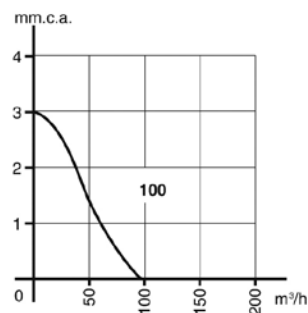


Electronic speed controllers

Characteristic curves

Q= Airflow in m³/h and m³/s.

Pe= Static pressure in mm.w.c. and Pa





EDQUIET/S

Very low sound level and low consumption domestic extractors



- Integrates harmoniously into the bathroom
- High performance thanks to its low consumption motor
- Quick and easy to install

Construction:

- White finish
- Non-return hatch incorporated
- Equipped with diffusers to reduce air turbulence and noise levels

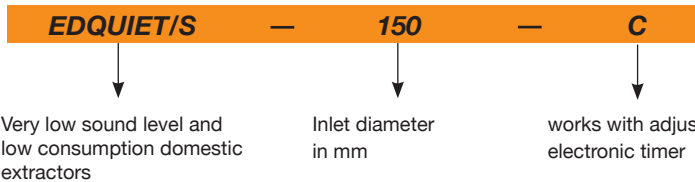
Versions:

- BASIC: works with the light switch or standalone
- TIMER: works with adjustable electronic timer

Motor:

- Single-phase 220V-240V .50/60 Hz
- High-efficiency motor
- Ball bearings to work over 40.000 hours
- Motor equipped with Klixon

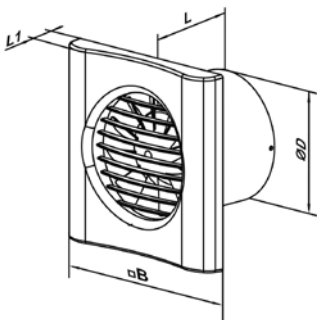
Order code



Technical characteristics

| Model | Version | Speed (r/min) | Power (W) | Airflow (m ³ /h) | Sound level dB(A) | Weight (Kg) |
|-----------------|---------|---------------|-----------|-----------------------------|-------------------|-------------|
| EDQUIET/S-100 | Basic | 2000 | 8 | 90 | 29 | 0,45 |
| EDQUIET/S-100-T | Timer | 2000 | 8 | 90 | 29 | 0,45 |
| EDQUIET/S-150 | Basic | 2000 | 28 | 255 | 35 | 0,97 |
| EDQUIET/S-150-T | Timer | 2000 | 28 | 255 | 35 | 0,97 |

Dimensions in mm



| Model | ∅D | ∅B | L | L1 |
|---------------|-----|-----|-----|----|
| EDQUIET/S-100 | 99 | 150 | 79 | 19 |
| EDQUIET/S-150 | 148 | 205 | 112 | 23 |

Accessories

See accessories section.



Decorative grille



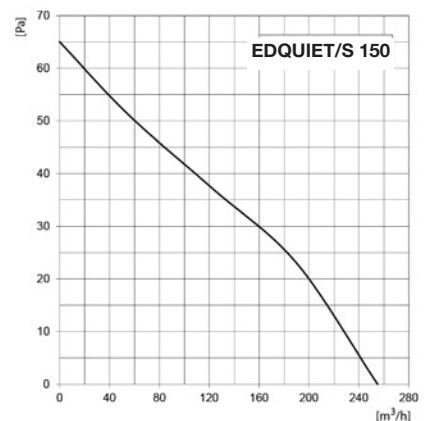
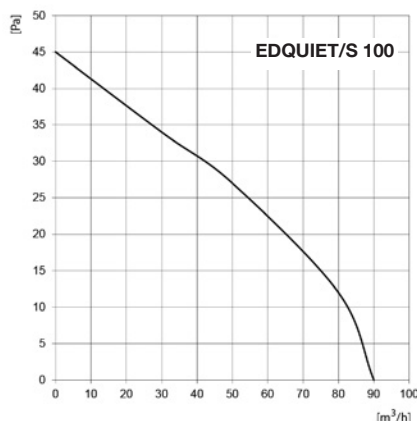
Backdraught louvre



Electronic speed controllers

Characteristic curves

Q= Airflow in m³/h.
Pe= Static pressure in Pa



ECONOMIC

Economic air curtains for small commercial premises

Economic air curtains for heights of up to 3m, for horizontal installation, specifically designed for small commercial premises



Construction:

- Painted metal structure
- Designed to be installed in a horizontal position
- S version: Two-speed fan operation
- LED operation indicator
- Support for assembly wall
- E Version: Electric battery control with safety elements. Delayed fan stop for evacuating residual heat delayed

Version:

- Environmental: Re-circulate air
- Electric: Incorporates electric resistors

External control

- E version: Remote control

Applications: Small commercial premises / shops / bars / offices



Control

Control:

Operation

Speeds

Electric battery control

Door contact

LED operation indicator



manual

Two-speed

no

no

yes



manual

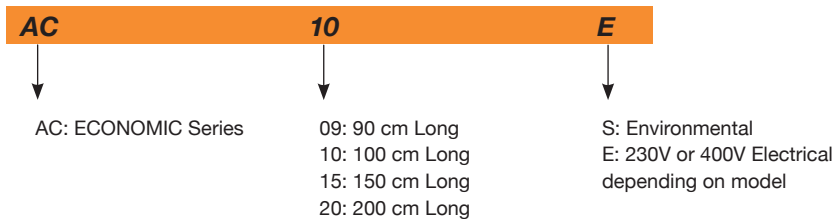
Single-speed

One power level

no

yes

Order code

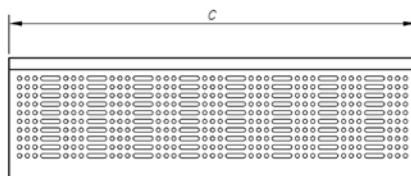
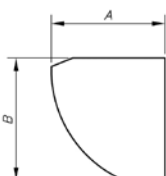


Technical characteristics

| Model | Height door (m) | Maximum Airflow (m³/h) | Irradiated NPS dB(A) | Heat Power (kW) | Battery voltage (V) | Battery current (A) | Fan voltage (V) | Fan current (A) | Weight (Kg) |
|---------|-----------------|------------------------|----------------------|-----------------|---------------------|---------------------|-----------------|-----------------|-------------|
| AC-09-S | 3 | 1200 | 43 | | | | 1X230 | 0.65 | 14.5 |
| AC-10-S | 3 | 1350 | 44 | | | | 1X230 | 0.72 | 16 |
| AC-15-S | 3 | 2100 | 46 | | | | 1X230 | 0.95 | 23.5 |
| AC-09-E | 3 | 1000 | 45 | 3.5 | 1x230 | 15 | 1X230 | 0.65 | 18 |
| AC-10-E | 3 | 1150 | 46 | 4.0 | 1x230 | 19 | 1X230 | 0.72 | 20 |
| AC-15-E | 3 | 1800 | 47 | 5.5 | 3X400 | 9 | 1X230 | 0.95 | 31 |
| AC-20-E | 3 | 2400 | 51 | 10 | 3X400 | 16 | 1X230 | 1.38 | 39 |

In the three-phase curtain, a three-phase + neutral cable is required

Dimensions in mm



| Model | A | B | C |
|---------|-----|-----|------|
| AC-09-S | 200 | 215 | 900 |
| AC-10-S | 200 | 215 | 1000 |
| AC-15-S | 200 | 215 | 1500 |
| AC-09-E | 195 | 220 | 900 |
| AC-10-E | 195 | 220 | 1000 |
| AC-15-E | 195 | 220 | 1500 |
| AC-20-E | 195 | 220 | 2000 |

RECUP/LC

Configurable heat recovery units with crossed flow plates for horizontal installation



Features:

- Aluminium plate heat exchanger with 50% yield.
- Multi-position configurable outlets.
- F6, F6+F8, F7, F7+F9 or G4 efficiency filters, incorporated in the equipment. Other combinations possible upon request.
- Designed for installation in a false ceiling.
- Access to filters and components via front panel.

Build:

- Galvanised sheet steel structure with soundproofing.
- Interchangeable inlets and outlets with watertight joints.

- Access doors for easy maintenance and cleaning.
- Condensate drain integrated in the access cover.

Versions:

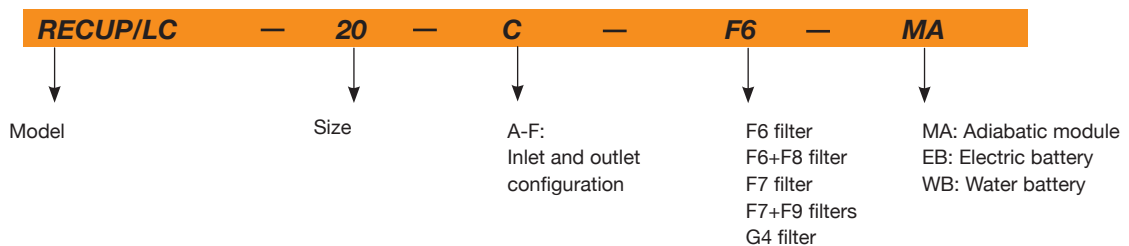
- Environmental: Air renewal, without heat supply (S)
- Electrical: Heat supply via electric batteries (EB)
- Water battery: Heat supply via water batteries (WB)

On request:

- Adiabatic module.



Order code



Technical characteristics

| Model | Speed (r/min) | Current (A) | | Voltage (V) | Installed power (W) | Maximum airflow (m³/h) | NPS dB(A) | Weight approx. (Kg) |
|----------------|---------------|-------------|-------|-------------|---------------------|------------------------|-----------|---------------------|
| | | 230V | 400V | | | | | |
| RECUP/LC-05-F6 | 2440 | 2x0.45 | - | 1x230 | 2x100 | 570 | 45 | 26 |
| RECUP/LC-08-F6 | 2440 | 2x0.45 | - | 1x230 | 2x100 | 850 | 53 | 30 |
| RECUP/LC-12-F6 | 2440 | 2x0.72 | - | 1x230 | 2x150 | 1180 | 56 | 34 |
| RECUP/LC-20-F6 | 2020 | 2x0.90 | - | 1x230 | 2x195 | 2070 | 51 | 63 |
| RECUP/LC-30-F6 | 2750 | 2x2.7 | - | 1x230 | 2x550 | 3200 | 54 | 72 |
| RECUP/LC-45-F6 | 1400 | - | 2x2.8 | 3x400 | 2x1100 | 4600 | 53 | 177 |
| RECUP/LC-60-F6 | 2125 | - | 2x4.8 | 3x400 | 2x2200 | 5800 | 57 | 207 |

Technical characteristics

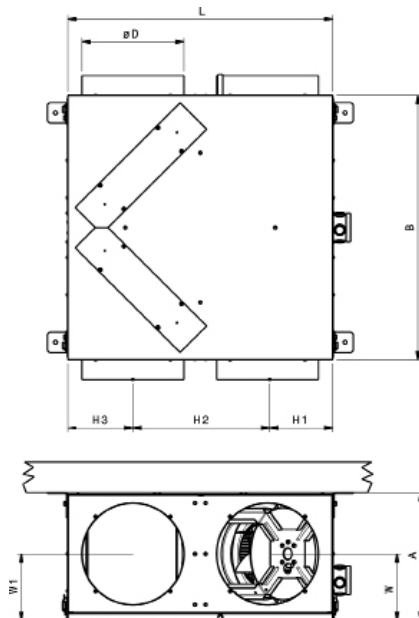
| Model | Speed (r/min) | Current (A) | | Voltage (V) | Installed power (W) | Maximum airflow (m³/h) | NPS dB(A) | Weight approx. (Kg) |
|-------------------|---------------|-------------|-------|-------------|---------------------|------------------------|-----------|---------------------|
| | | 230V | 400V | | | | | |
| RECUP/LC-05-F6+F8 | 2440 | 2x0.45 | - | 1x230 | 2x40 | 410 | 45 | 26 |
| RECUP/LC-08-F6+F8 | 2440 | 2x0.45 | - | 1x230 | 2x40 | 620 | 53 | 30 |
| RECUP/LC-12-F6+F8 | 2440 | 2x0.72 | - | 1x230 | 2x150 | 850 | 56 | 34 |
| RECUP/LC-20-F6+F8 | 2020 | 2x0.90 | - | 1x230 | 2x195 | 1500 | 51 | 63 |
| RECUP/LC-30-F6+F8 | 2750 | 2x2.7 | - | 1x230 | 2x550 | 2320 | 54 | 72 |
| RECUP/LC-45-F6+F8 | 1400 | - | 2x2.8 | 3x400 | 2x1100 | 4400 | 53 | 177 |
| RECUP/LC-60-F6+F8 | 2125 | - | 2x4.8 | 3x400 | 2x2200 | 5300 | 57 | 207 |
| RECUP/LC-05-F7 | 2440 | 2x0.45 | - | 1x230 | 2x100 | 540 | 45 | 26 |
| RECUP/LC-08-F7 | 2440 | 2x0.45 | - | 1x230 | 2x100 | 780 | 53 | 30 |
| RECUP/LC-12-F7 | 2440 | 2x0.72 | - | 1x230 | 2x150 | 1080 | 56 | 34 |
| RECUP/LC-20-F7 | 2020 | 2x0.90 | - | 1x230 | 2x195 | 1900 | 51 | 63 |
| RECUP/LC-30-F7 | 2750 | 2x2.7 | - | 1x230 | 2x550 | 2850 | 54 | 72 |
| RECUP/LC-45-F7 | 1400 | - | 2x2.8 | 3x400 | 2x1100 | 4500 | 53 | 177 |
| RECUP/LC-60-F7 | 2125 | - | 2x4.8 | 3x400 | 2x2200 | 5700 | 57 | 207 |
| RECUP/LC-05-F7+F9 | 2440 | 2x0.45 | - | 1x230 | 2x40 | 380 | 45 | 26 |
| RECUP/LC-08-F7+F9 | 2440 | 2x0.45 | - | 1x230 | 2x40 | 570 | 53 | 30 |
| RECUP/LC-12-F7+F9 | 2440 | 2x0.72 | - | 1x230 | 2x150 | 790 | 56 | 34 |
| RECUP/LC-20-F7+F9 | 2020 | 2x0.90 | - | 1x230 | 2x195 | 1350 | 51 | 63 |
| RECUP/LC-30-F7+F9 | 2750 | 2x2.7 | - | 1x230 | 2x550 | 2050 | 54 | 72 |
| RECUP/LC-45-F7+F9 | 1400 | - | 2x2.8 | 3x400 | 2x1100 | 4050 | 53 | 177 |
| RECUP/LC-60-F7+F9 | 2125 | - | 2x4.8 | 3x400 | 2x2200 | 5000 | 57 | 207 |
| RECUP/LC-05-G4 | 2440 | 2x0.45 | - | 1x230 | 2x100 | 600 | 45 | 26 |
| RECUP/LC-08-G4 | 2440 | 2x0.45 | - | 1x230 | 2x100 | 900 | 53 | 30 |
| RECUP/LC-12-G4 | 2440 | 2x0.72 | - | 1x230 | 2x150 | 1250 | 56 | 34 |
| RECUP/LC-20-G4 | 2020 | 2x0.90 | - | 1x230 | 2x195 | 2200 | 51 | 63 |
| RECUP/LC-30-G4 | 2750 | 2x2.7 | - | 1x230 | 2x550 | 3400 | 54 | 72 |
| RECUP/LC-45-G4 | 1400 | - | 2x2.8 | 3x400 | 2x1100 | 4800 | 53 | 177 |
| RECUP/LC-60-G4 | 2125 | - | 2x4.8 | 3x400 | 2x2200 | 6100 | 57 | 207 |

Acoustic features

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
|-------------|----|-----|-----|-----|------|------|------|------|--|-------------|-----|-----|-----|------|------|------|------|----|
| RECUP/LC-05 | 30 | 42 | 45 | 57 | 53 | 50 | 40 | 37 | | RECUP/LC-30 | 43 | 56 | 66 | 69 | 67 | 62 | 54 | 45 |
| RECUP/LC-08 | 38 | 50 | 53 | 65 | 61 | 58 | 48 | 45 | | RECUP/LC-45 | 53 | 62 | 65 | 62 | 61 | 60 | 56 | 54 |
| RECUP/LC-12 | 41 | 53 | 56 | 68 | 64 | 61 | 51 | 48 | | RECUP/LC-60 | 51 | 68 | 58 | 59 | 62 | 62 | 60 | 56 |
| RECUP/LC-20 | 38 | 50 | 53 | 65 | 61 | 58 | 48 | 45 | | | | | | | | | | |

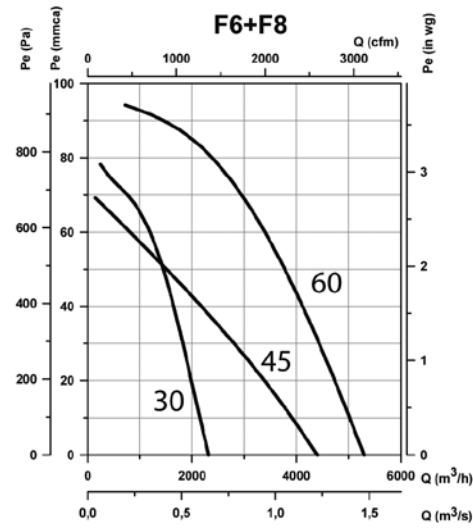
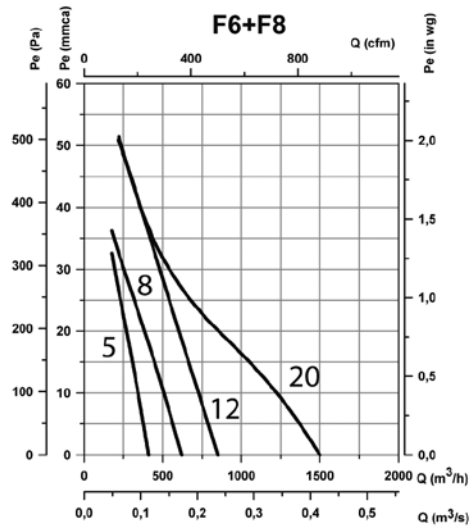
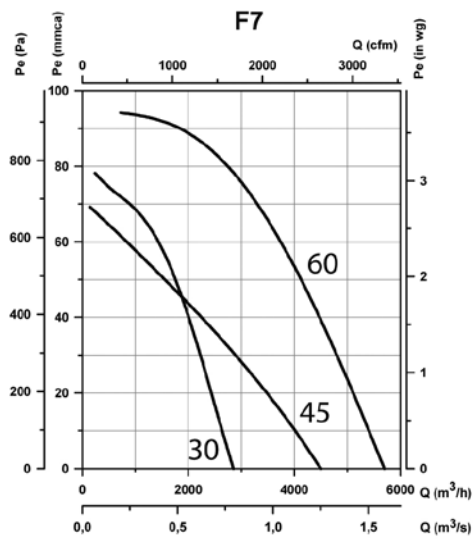
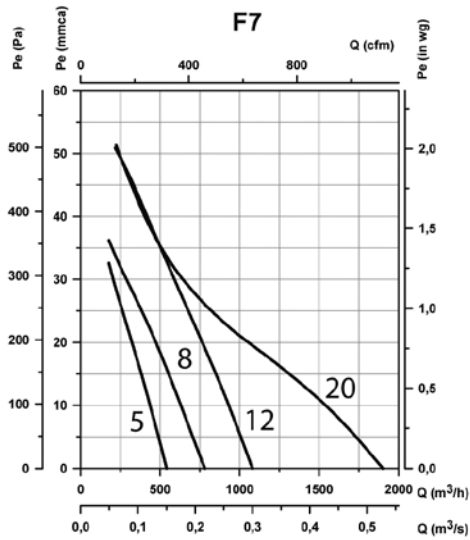
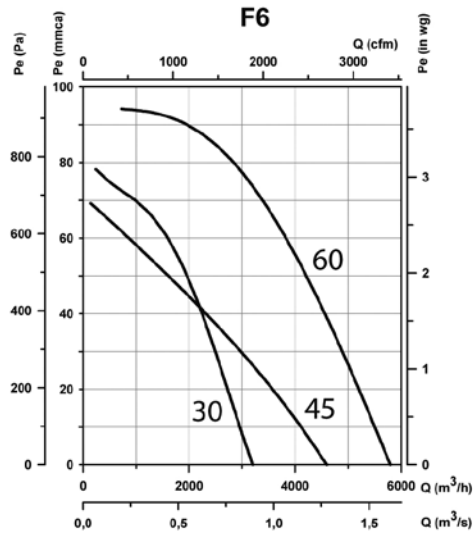
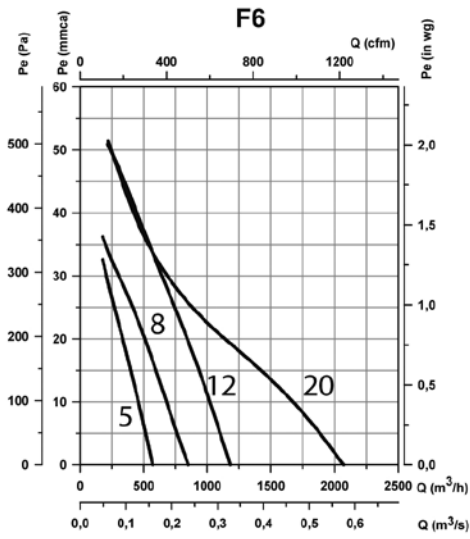
Dimensions in mm



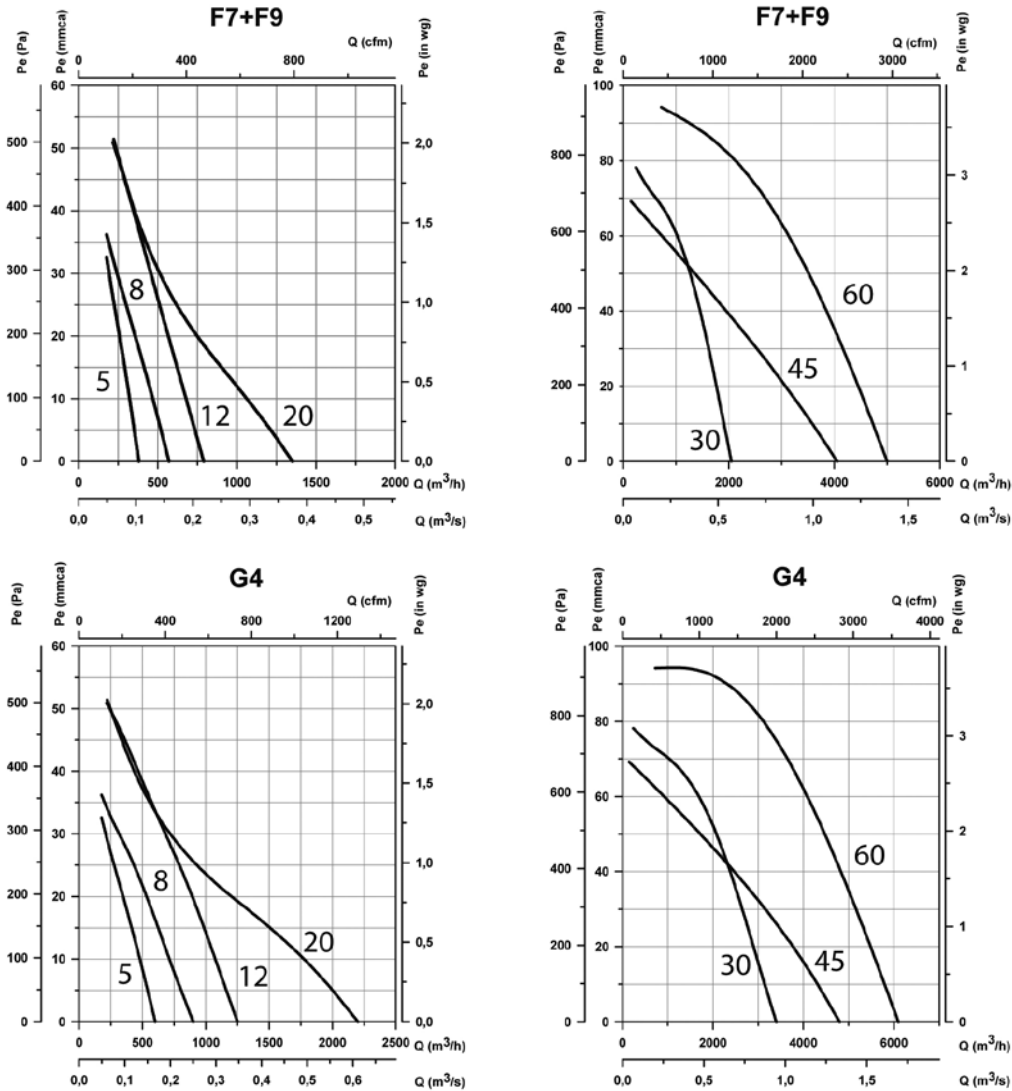
| | A | B | L | D | H1 | H2 | H3 | W | W1 |
|-------------|-----|------|------|-----|-----|-----|-----|-----|-----|
| RECUP/LC-05 | 310 | 575 | 575 | 150 | 131 | 312 | 131 | 164 | 164 |
| RECUP/LC-08 | 310 | 650 | 650 | 250 | 160 | 330 | 160 | 164 | 164 |
| RECUP/LC-12 | 330 | 700 | 700 | 250 | 165 | 370 | 165 | 174 | 174 |
| RECUP/LC-20 | 504 | 900 | 900 | 355 | 240 | 420 | 240 | 252 | 252 |
| RECUP/LC-30 | 504 | 900 | 900 | 355 | 240 | 420 | 240 | 252 | 252 |
| RECUP/LC-45 | 580 | 1520 | 1520 | 450 | 310 | 900 | 310 | 290 | 290 |
| RECUP/LC-60 | 580 | 1520 | 1520 | 450 | 310 | 900 | 310 | 290 | 290 |

Maintenance access

Characteristic curves

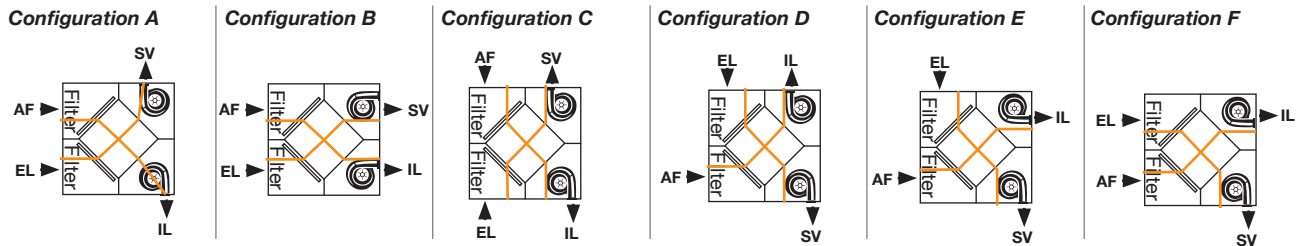


Characteristic curves



Configurations

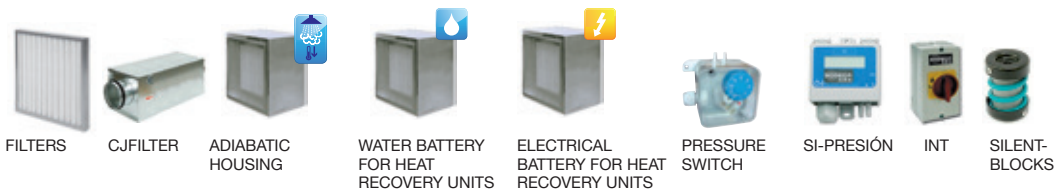
Standard delivery configuration C. All models allow inlet and outlet configuration directly at the installation premises, except the 45, 60 model which only allows the air inlet configuration.



AF: Outside fresh air / IL: Pressurised air to room / SV: Stale air output / EL: Air extraction from room

Top view diagrams, for placement of the equipment in the ceiling. With maintenance access in the bottom panel

Accessories





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