APPLICATIONS FOR:

ATEX EXPLOSIVE ATMOSPHERES

NAVAL CONSTRUCTIONS

OFF-SHORE

CHEMICAL INDUSTRY

MINING AND PUBLIC WORKS

ENERGY PLANTS AND WIND FARMS

FANS FOR **ATEX EXPLOSIVE ATMOSPHERES AND** OTHER APPLICATIONS

ATEX 94/9/CE

FINISH QUALITY
C3H, C4H, C5M

SODECA®

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.

e efficient energy applications

To obtain an **improvement in energy efficiency** of fans and of ventilation facilities, the engineering department of Sodeca has **balanced the energy consumption of the fans** with their maximum performance, in the habitual areas of work. This has required a restructuring of the curves and their presentation in this and future Sodeca catalogues.

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.

ATEX EXPLOSIVE **ATMOSPHERES**

All the SODECA extractors and fans for explosive atmospheres fulfil the demands of the European Directive ATEX 94/9/EC and have been designed in accordance with standard EN-14986 "Design of fans to work in potentially explosive atmospheres". In this manner, the quality of the products is guaranteed and the safety of people and facilities is ensured to the greatest possible extent.

NAVAL AND **OFF-SHORE APPLICATIONS**

The SODECA extractors for naval & off-shore applications are recognised for their quality and superb operation in these applications by the majority of shipbuilders as well as civil defence companies around the world. The extractors on demand can fulfil the different requirements of the classification and certification companies.

The marine motors used are certified by the majority of international naval classification bodies:

ABS:	América Bureau of shipping
BV:	Bureau Veritas
CCS:	China Classification Societies
CR:	China Corporation Register of Shiping
DNV:	Det Norske Veritas
GL:	Germanischer Lloyd
KR:	Korean Register of shipping
LR:	Lloyd´s Register of Shipping
NK:	Nippon Kaiji Kyokai
RINA:	Registro Italiano Navale
RS:	Russian Maritime Register of Shipping

Design of fans:
In accordance with the EN-14986 standard and in order to avoid ignition in case of friction or impact between the moveable and the static parts, they are built with combinable materials to prevent possible sparks.

Centrifugal fans:
In order to prevent sparks generated by the turbine:
. Inlet in copper
. Protective tips to protect the screwed/riveted joints
. Verification of the distances between components

Axial fans:
- **In order to prevent sparks generated by the impeller:**
. Copper or aluminium coating band on the interior surface of the ring
. Verification of the distances between components

Following the regulations, all the parts of the fan which are not soldered together and are fixed mechanically using other systems, or are different parts covered with paint which can insulate the conductivity, are joined by means of an earth wire so as to prevent the differences of potential between these unsoldered or painted parts.

Sodeca has specialised since its inception in the design and manufacture of fans and accessories for industrial applications.

The union of the experience acquired over decades of work with fans together with the technology supplied by engineers in different departments has made it possible for Sodeca to become one of the largest manufacturers of industrial ventilation in the world.

The industrial applications require a great capacity for adaptation to the specifications of each project and flexibility in manufacture, so as to fulfil the real needs of each client.

In order to fulfil this objective, Sodeca has a line of Standard products and a line of products with special manufacture, for the construction of fans adapted to the demands of our clients.

We can use motors which fulfil the most demanding regulations in the market for different projects:

NEMA super premium efficiency
NEMA premium efficiency
NEMA high efficiency
U.L. motors
C.S.A. motors

FANS FOR: ATEX EXPLOSIVE ATMOSPHERES

HCDF/ATEX

Axial fans with square frame, with ATEX certification EEx d

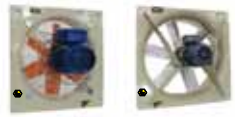
14

HDF/ATEX

Axial fans with circular frame, with ATEX certification EEx d

14

HC/ATEX



Wall-mounted axial fans, with ATEX certification and possible marking EEx e, EEX d, DIP55 and DIP65

17

HCH/ATEX

Robust wall-mounted axial fans with ATEX certification

23

HCT/ATEX

Robust long-cased axial fans with ATEX certification

23

HTM/ATEX

Mobile long-cased fans with ATEX certification

30

HPX/ATEX

Cased axial fans with external motor and ATEX certification

32

CPV/ATEX

Plastic anticorrosive centrifugal fans with ATEX certification

35

CMA/ATEX

Centrifugal medium-pressure fans made from cast aluminium with ATEX certification

38

CMP/ATEX

Centrifugal medium-pressure fans fitted with multi-blade impeller with ATEX certification

41

CMP/AL CJMP/AL

Aluminium fans with certified for natural gas boiler rooms

45

CMR/ATEX

Robust centrifugal medium-pressure fans fitted with backward-curved impeller with ATEX certification

47

CAS/ATEX

Centrifugal single-inlet, high-pressure fans with ATEX certification

50

CA/ATEX

Centrifugal single-inlet, high-pressure fans made from cast aluminium with ATEX certification

55

HT/ATEX

Axial roof fans with ATEX certification and possible marking EEx e, EEX d, DIP55 and DIP65

58

CHT/ATEX CVT/ATEX

Centrifugal roof fans with horizontal or vertical outlet air with ATEX certification

61

FANS FOR: NAVAL AND OFF-SHORE APPLICATIONS
CHEMICAL INDUSTRY
MINING AND PUBLIC WORKS
ENERGY PLANTS

NEW

HCT/MAR HFT/MAR

Cased axial fans for marine and naval applications

65

NEW

HTP

Cased high-pressure axial fans

68

NEW

HBA

Forked tubular axial fans with motor outside the air flow

81

CMP/MAR

Centrifugal medium-pressure fans fitted with multi-blade impeller for marine applications

83

CMPI

Centrifugal medium-pressure fans fitted with multi-blade impeller made from stainless steel AISI-304 or 316

87

CMRG

Centrifugal single-inlet, medium-pressure fans, hot galvanised to work in chemical, aggressive or marine environments

95

CPV

Centrifugal anti-corrosive single-inlet fans made from polypropylene.

101

HTMH

Multifunctional roof fans

106

NEW

HTTAL

Mixed roof fans with adjustable base

111

NEW

HTSOLAR

Solar-powered roof fans without electrical installation and without electricity consumption

112

KITS SOBREPRESIÓN

114

EXTRACTORS FOR WIND APPLICATIONS

CMR/EOL

118

HFT/EOL

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HC/EOL

118

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SODECA

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. Ensayos de comportamiento en circuitos normalizados. 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 mécanica 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)

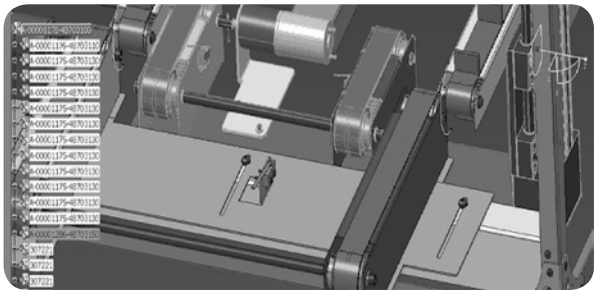
ATEX EXECUTIONS	
Directiva ATEX 94/9/CE	Aparatos y sistemas de protección para uso en atmósferas potencialmente explosivas Equipment and protective systems intended for use in potentially explosive atmospheres
EN 14986	Diseño de ventiladores para trabajar en atmósferas potencialmente explosivas. Design 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

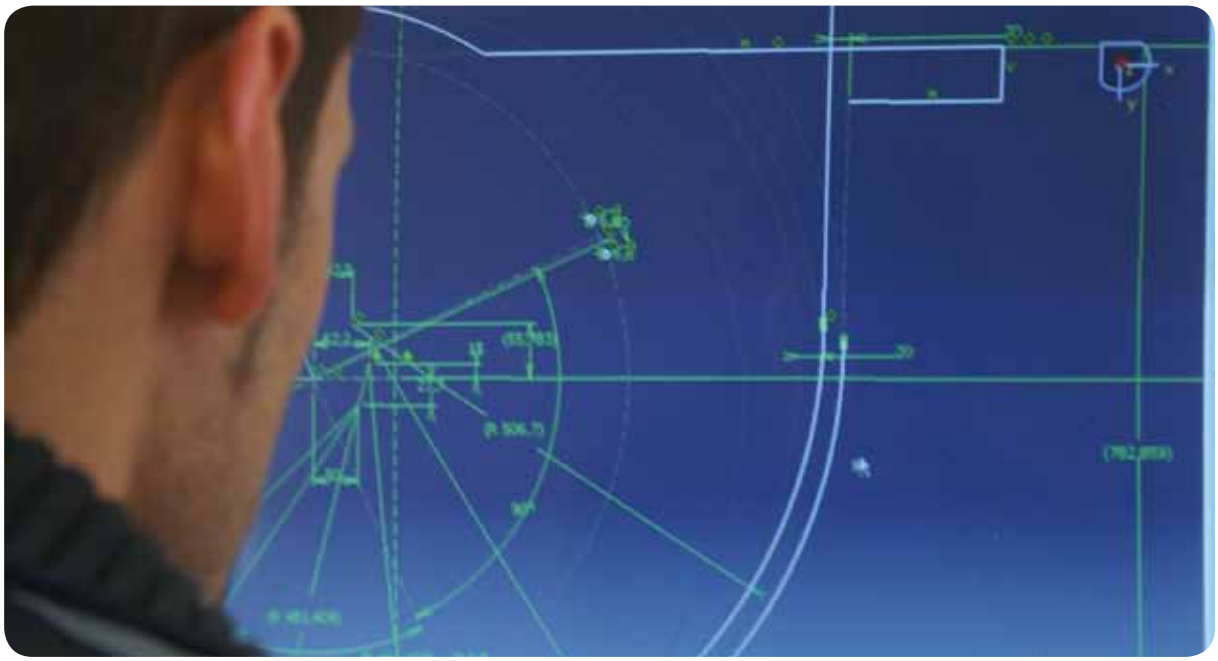
Our design, research and development department is working intensively to improve the quality and efficiency of our products day by day.

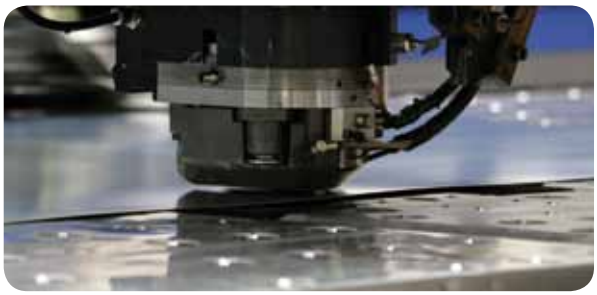
DESIGN, RESEARCH AND DEVELOPMENT

The modern facilities of our aerodynamic testing laboratory with an area of 450 m^2, are the nerve centre for the development of all our products. Here we obtain maximum reliability in the results from the strict checks to which we subject both products and manufacturing processes.

We have also begun a new stage of study and design of new trends in ventilation which will help to preserve the environment and to make energy savings.







*Fans for **ATEX EXPLOSIVE ATMOSPHERES***

An ATEX area is a mixture of air and inflammable **gas**, the **vapour** of an inflammable liquid, a **fog** of combustible liquid or combustible **powder**, which, if they catch fire, do so at once in their entirety.

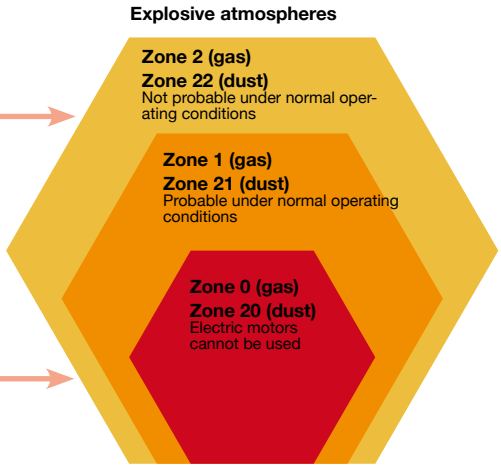
Sensitivity to the ignition of gases:	
LIE	Minimum concentration of explosivity » % volume.
LSE	Maximum concentration of explosivity » % volume.
EMI	Minimum ignition energy » 10-6 µ Joules
Flash Point	Minimum temperature of a liquid forms inflammable gases
Temperature	– Temperature at which a gas ignites
temperature	– T1, T2, T3, T4, T5 and T6

Sensitivity to the ignition of solids:	
LIE or CME	Minimum concentration explosive » g/m³
CLO	Maximum concentration of Oxygen » % volume
EMI	Minimum ignition energy » 10-3 µ Joules
TMI	Minimum ignition temperature in ºC: - In a TMI n cloud (a cloud of dust in contact with a hot surface). - In a TMI c layer, ignition of a 5 mm layer. - (limit of T the lesser of: 2/3 of TMI n or TMI c -75ºC)

Summary of definitions of the zones

CE Ex **II 3 G. EEx nA**
CE Ex **II 3 D. IP55** (non-conductive dust)
CE Ex **II 2 D. IP65** (conductive dust)

CE Ex **II 2 G. EEx d**
CE Ex **II 2 G. EEx de**
CE Ex **II 2 G. EEx p**
CE Ex **II 2 G. EEx e**
CE Ex **II 2 D. IP65**



Definition of zones:

Gases and vapours / Powders:

- **Zone 0 / Zone 20:**
  Present continuously, during long periods of time or frequently. It is not possible to use electric motors.
- **Zone 1 / Zone 21:**
  It is probable in normal operating conditions
- **Zone 2 / Zone 22:**
  The creation of an ATEX zone is not probable under normal operating conditions

Groups and categories of apparatus:

GROUP I: Equipment for underground and surface work in mines with danger of firedamp or explosive powders.

- M1 Category: must remain operative
- M2 Category: it must be possible to cut off the energy supply

GROUP II: Other danger zones

- Category 1: a very high level of protection. Highly probable area.
- Category 2: a high level of protection. Probable area.
- Category 3: a normal level of protection. Improbable area.

Selection of the category according to the zone:

ZONE	CATEGORY
0 or 20	1
1 or 21	1 or 2
2 or 22	1, 2 or 3*

*The 3D category cannot be used with a conductive powder

Selection of the zone according to the category:

CATEGORY	ZONE
1	All
2	1, 21, 2 or 22
3*	2 or 22

*The 3D category cannot be used with a conductive powder

Explosion group and kind of temperature

Explosion group	Kind of temperature						
	T1		T2	T3	T4	T5	T6
II A	Acetone Ethane Ethylic acetate Ethyl chloride Ammoniac Benzene Acetic acid	Carbon monoxide Methane Methanol Methyl chloride Propane Town gas Toluene	Amyl-i acetate Butane N-butyl alcohol Cyclohexane Dichloroethane 1, 2 Acetic anhydride	Petrol Otto fuels Aviation fuel Fuel oils Hexane	Acetaldehyde		
II B			Ethylic alcohol Ethylene Ethylene monoxide	Sulfureted hydrogen	Ethylic ether		
II C	Hydrogen		Acetylene				Carbon disulphide

Kind of temperature and ignition temperature:

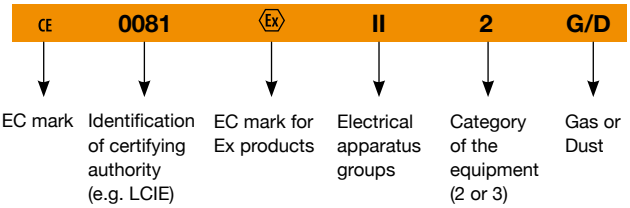
Kind of temperature	Ignition temperature
T1	<450
T2	300 to 450
T3	200 to 450
T4	135 to 200
T5	100 to 135
T6	85 to 100

Explosivity values for combustible solids

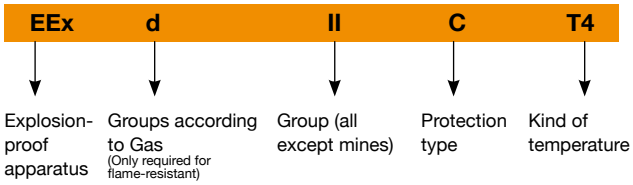
Product	Kmax	Pmax	EMI	CLO	TMIn	TIMc
Cornflour	127	6.7	300	--	530	460
Ground rice	40	6.7	>10	--	370	480
Wheat flour	47	8.2	>300	11%	460	470
Malted flour	100	7.8	>10	11%	310	460
Corn starch	143	10.6	>100	9%	440	400
Rice starch	220	10.0	>10	--	470	390
Potato starch	89	9.4	>3000	--	520	570

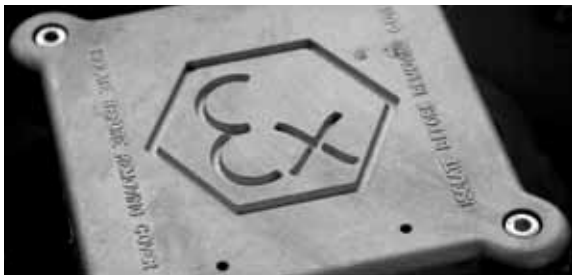
Mark (EN) in accordance with ATEX

FAN and MOTOR marks in accordance with the ATEX directive



Extra standard mark for motors





Explosivity values for combustible gases

	Gas group	%vol LIE	g/mol M
methane	I	5.0	16.04
amyl acetate	IIA	1.1	130.19
butyl acetate	IIA	1.2	116.16
ethyl acetate	IIA	2.1	88.11
methyl acetate	IIA	3.1	74.08
propyl acetate	IIA	1.7	102.13
acetone	IIA	2.2	55.06
acetonitrile	IIA	3.0	41.05
acetic acid	IIA	4.0	60.05
acetic aldehyde	IIA	4.0	44.05
ammoniac	IIA	15.0	17.03
aniline	IIA	1.2	107.13
benzene	IIA	1.2	78.11
bromobutane	IIA	2.6	137.02
bromoethane	IIA	6.7	108.97
butane	IIA	1.5	58.12
butane	IIIA	1.4	74.12
butyl methyl ketone	IIA	1.2	100.16
butylamine	IIA	1.7	73.14
cyclobutane	IIA	1.8	56.11
cyclohexane	IIA	1.2	84.16
cyclohexane	IIIA	1.2	100.16
cyclohexanone	IIA	1.3	98.14
cyclopentane	IIA	1.1	70.13
chlorobenzene	IIA	1.1	112.56
chlorobutane	IIA	1.8	92.57

	Gas group	%vol LIE	g/mol M
chloroethane	IIA	3.6	64.51
chloroethane	IIIA	5.0	106.97
chloroethylene(vinyl chloride)	IIA	3.8	62.50
chloromethane	IIA	7.6	50.49
chloropropane	IIA	2.6	78.54
acetyl chloride	IIA	5.0	78.50
allyl chloride	IIA	3.3	76.53
cresol	IIIA	1.0	108.14
decahydronaphthalene (decalin)	IIA	0.7	138.25
decane	IIA	0.81	42.28
diacetone alcohol	IIIA	1.8	116.16
dichloroethane	IIA	5.6	98.96
dichloroethylene	IIA	6.5	96.94
dichloropropane	IIA	3.4	112.99
diethylamine	IIA	1.7	73.14
dimethylamine	IIA	2.8	45.08
dimethylamine	IIA	1.2	121.18
dipropyl ether	IIA		102.18
styrene	IIA	1.1	104.15
ethane	IIA	3.0	30.07
ethane	IIIA	3.3	46.07
ethyl methyl ketone	IIA	1.8	72.11
ethyl benzene	IIA	1.0	106.17
ethyl mercaptane	IIA	2.8	62.13
phenol	IIIA	1.3	94.11
ethyl formate	IIA	2.7	74.08

ATEX EXPLOSIVE ATMOSPHERES APPLICATIONS

NAVAL APPLICATIONS

OFF-SHORE APPLICATIONS

Explosivity values for combustible gases

	Gas group	%vol LIE	g/mol M
methyl formate	IIA	5	60.05
petrol		0.7	73.95
heptane	IIA	1.1	100.20
hexane	IIA	1.2	86.18
hexane	IIIA	1.2	102.18
kerosene	IIA	0.7	87.00
methylamine	IIA	4.9	31.06
methyl cyclo hexane	IIA	1.1	98.19
carbon monoxide	IIA	12.5	28.01
naphthalene	IIA	0.9	128.17
nitroethane	IIA	4.0	75.07
nitromethane	IIA	7.1	61.04
nonane	IIA	0.7	128.26
nonane	IIIA	8.0	144.26
octane	IIA	6.0	114.23
pentane	IIA	1.4	72.15
pentane	IIIA	1.2	88.15
petroleum	IIA	1.0	87.00
pyridine	IIA	1.7	79.10
propane	IIA	2.0	44.10
propane	IIIA	2.1	60.10
propene (propylene)	IIA	2.0	42.08
propylamine	IIA	2.0	59.11
toluene	IIA	1.2	92.14
triethylamine	IIA	1.2	53.15

	Gas group	%vol LIE	g/mol M
trimethylamine	IIA	2.0	59.11
xylene	IIA	1.0	106.17
1.2-epoxypropane (propylene oxide)	IIB	1.9	58.08
1.3.5-trioxane	IIB	3.6	90.08
1.3-butadiene	IIB	1.4	54.09
1.4-dioxane	IIB	1.9	88.11
hydrocyanic acid	IIB	46.5	27.03
ethyl acrylate	IIB	1.7	100.12
methyl acrylate	IIB	2.4	86.09
acrylonitrile	IIB	2.8	53.06
tetrahydrofurfuryl alcohol	IIB	1.5	102.13
cyclopropane	IIB	2.4	42.08
dibutyl ether	IIB	0.9	130.23
diethyl ether	IIB	1.9	74.12
ethyl methyl ether	IIB	2.0	60.10
ethylene	IIB	2.7	28.05
furan	IIB	2.3	68.08
coke oven gas	IIB	5.0	
methylacetylene (propyne)	IIB	1.7	40.06
isopropyl nitrate	IIB	2.0	105.09
ethylene oxide (epoxyethane)	IIB	2.6	44.05
tetrahydrofuran	IIB	1.5	72.11
acetylene	IIC	1.5	26.04
carbon disulphide	IIC	1.0	76.13
hydrogen	IIC	4.0	2.02

CHEMICAL INDUSTRY APPLICATIONS

MINING AND PUBLIC WORKS APPLICATIONS

ENERGY PLANTS AND WIND FARMS APPLICATIONS

HCDF
HDF


HCDF


HDF

HCDF: Axial fans with square frame, with ATEX certification EEx d
HDF: Axial fans with circular frame, with ATEX certification EEx d

Wall-mounted axial fans (HCDF) or circular axial fans (HDF) with ATEX certification and CEE ExII2G EExd flame-resistant motor to work in explosive atmospheres.

Fan:
- Impeller made from cast aluminium
- Airflow direction from motor to impeller
- Spark-proof stuffing-box included
- HCDF: Support frame in aluminium sheet
- HCDF: Protection guard against contacts, in accordance with standard UNE 100-250
- HDF: Support ring in sheet steel with aluminium strip in the impeller area in accordance with Standard EN-14986:2006

Motor:
- Class F motors with ball bearings, IP-55 protection, with ATEX certification, EEx"d" IIBT4 flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC.+ 40ºC.

Mark: CE Ex II 2 G. EEx d
Notified authority: L.O.M.
ID: LOM3ATEX0157

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.


Aluminium strip to prevent sparks in accordance with standard EN-14986:2006

Order code

HCDF — 45 — 4T

HCDF: Axial fans with square frame, with ATEX certification
HDF: Axial fans with circular frame, with ATEX certification

Mark: CE Ex II 2 G. EEx d IIBT4
Notified authority: L.O.M.
ID: LOM3ATEX0157

Impeller diameter (cm)

Number of motor poles
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz

T=Three-phase
M=Single-phase

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HCDF-25-4T	1370	0.78	0.45	0.09	890	51	6.5
HCDF-25-4M	1410	0.72		0.06	890	51	6.5
HCDF-31-4T	1370	0.78	0.45	0.09	1700	54	7.5
HCDF-31-4M	1410	0.72		0.06	1700	54	7.5
HCDF-35-4T	1370	0.78	0.45	0.09	2950	58	8.5
HCDF-35-4M	1410	0.72		0.06	2950	58	8.5
HCDF-40-4T	1420	1.30	0.75	0.25	4400	63	12.5
HCDF-40-4M	1400	3.25		0.25	4400	63	15.0
HCDF-45-4T	1420	1.30	0.75	0.25	6450	66	14.5
HCDF-45-4M	1400	3.25		0.25	6450	66	17.0
HCDF-45-6T	925	0.95	0.55	0.12	5200	57	14.5
HCDF-50-4T	1390	1.73	1.00	0.37	8600	69	16.5
HCDF-50-6T	920	1.56	0.90	0.18	6300	59	16.0
HCDF-56-4T	1390	3.08	1.78	0.55	10500	72	36.5
HCDF-56-6T	910	1.59	0.92	0.25	8400	63	30.5
HDF-63-4T	1415	4.50	2.60	1.10	15100	76	49.0
HDF-63-6T	905	2.37	1.37	0.37	12400	64	36.5
HDF-71-4T	1400	5.20	3.00	1.10	20000	79	52.0
HDF-71-6T	900	3.29	1.90	0.55	13800	67	43.0
HDF-80-4T	1400	13.86	8.00	3.00	34100	83	76.0
HDF-80-6T	910	5.89	3.40	1.10	20200	72	65.5
HDF-90-4T	1400	15.42	8.90	4.00	48200	89	87.0
HDF-90-6T	920	7.45	4.30	1.50	30000	77	83.0

Acoustic features

The specified values are determined according to free field measurements of pressure and 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.

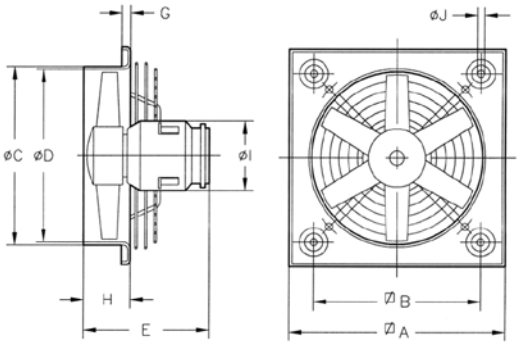
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
25	22	37	56	55	56	55	50	41
31	25	40	59	58	59	58	53	44
35	29	44	63	62	63	62	57	48
40	34	49	68	67	68	67	62	53
45-4	37	52	71	70	71	70	65	56
45-6	28	43	62	61	62	61	56	47
50-4	43	57	76	76	77	75	71	62
50-6	33	47	66	66	67	65	61	52
56-4	46	60	79	79	80	78	74	65

Model	63	125	250	500	1000	2000	4000	8000
56-6	37	51	70	70	71	69	65	56
63-4	52	66	85	85	86	84	80	71
63-6	40	54	73	73	74	72	68	59
71-4	56	76	84	89	91	88	81	70
71-6	44	64	72	77	79	76	69	58
80-4	60	80	88	93	95	92	85	74
80-6	49	69	77	82	84	81	74	63
90-4	67	88	95	100	103	99	92	81
90-6	55	76	83	88	91	87	80	69

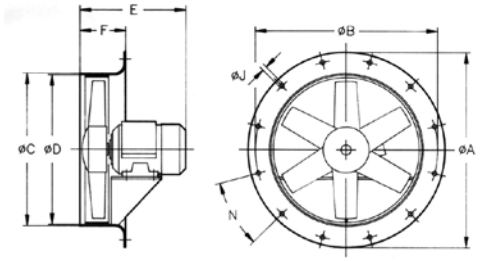
Dimensions in mm

HCDF



Model	ØA	ØB	ØC	ØD	E	G	H	ØI	ØJ
HCDF-25-4T	330	275	262	260	228	11	41	132	8.5
HCDF-25-4M	330	275	262	260	235	11	41	132	8.5
HCDF-31-4T	400	336	310.5	308	234	11	50	132	10.5
HCDF-31-4M	400	336	310.5	308	241	11	50	132	10.5
HCDF-35-4T	465	390	362.5	360	245	11	50	132	10.5
HCDF-35-4M	465	390	362.5	360	252	11	50	132	10.5
HCDF-40-4T	532	452	412.5	410	265	11	70	132	10.5
HCDF-40-4M	532	452	412.5	410	295	11	70	132	10.5
HCDF-45-4T	596	504	462.5	460	262	11	70	132	10.5
HCDF-45-4M	596	504	462.5	460	290	11	70	132	10.5
HCDF-45-6T	596	504	462.5	460	262	11	70	132	10.5
HCDF-50-4T	665	562	516.5	514	262	11	70	132	10.5
HCDF-50-4M	665	562	516.5	514	262	11	70	132	10.5
HCDF-56-4T	710	630	563	560	370	15	105	162	10.5
HCDF-56-4M	710	630	563	560	370	15	105	162	10.5

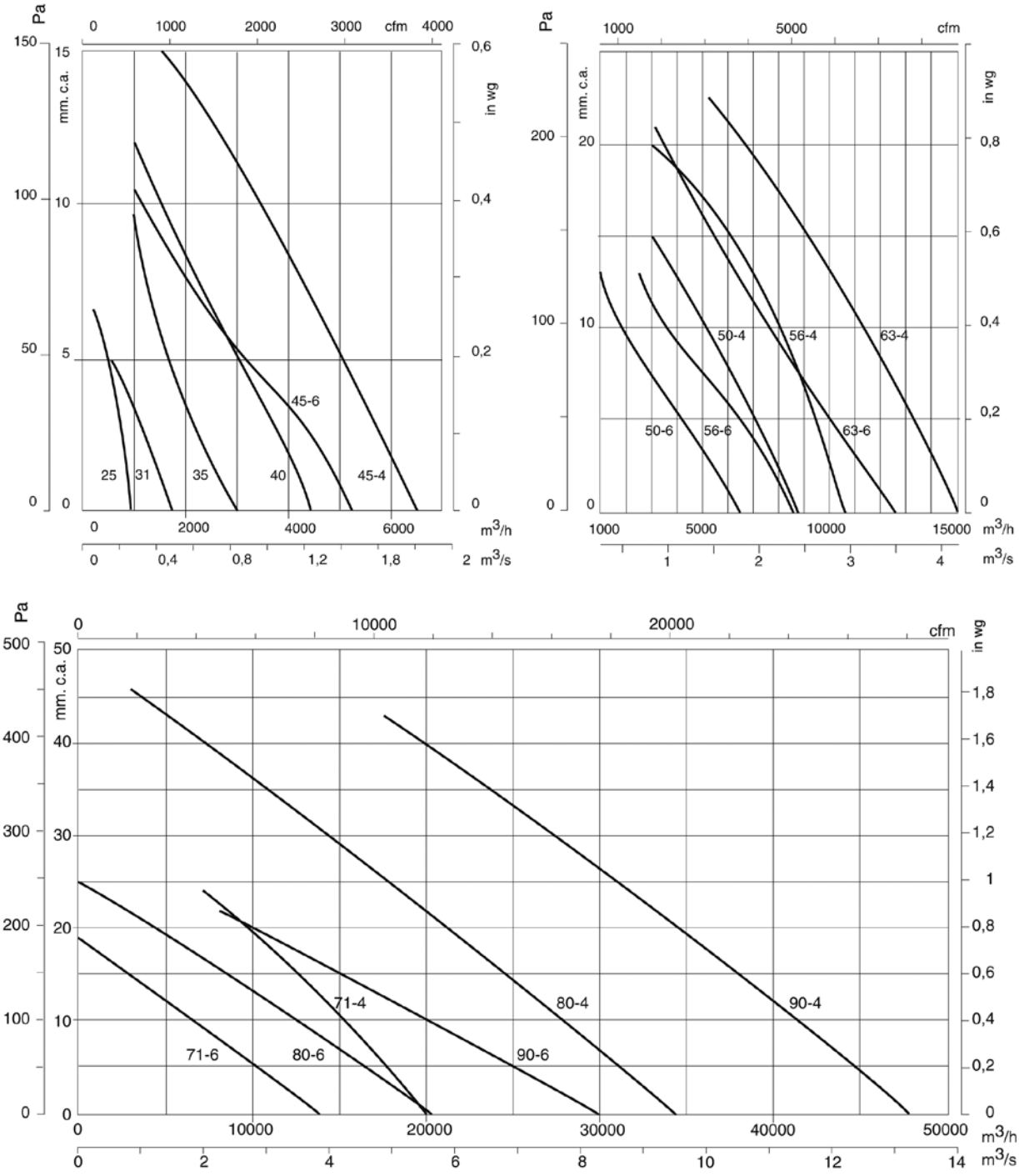
HDF



Model	ØA	ØB	ØC	D	E	F	ØJ	N
HDF-63-4T	730	690	645	640	370	150	12	12x30°
HDF-63-6T	730	690	645	640	330	150	12	12x30°
HDF-71-4T	810	770	715	710	349	150	12	16x22°30'
HDF-71-6T	810	770	715	710	323	150	12	16x22°30'
HDF-80-4T	900	860	805	800	421	180	12	16x22°30'
HDF-80-6T	900	860	805	800	371	180	12	16x22°30'
HDF-90-4T	1015	970	906	900	457	180	15	16x22°30'
HDF-90-6T	1015	970	906	900	415	180	15	16x22°30'

Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



Accessories

See accessories section.

INT AR RFT/ RFM PANELS P R RI S

HC/ATEX

HC/ATEX: Wall-mounted axial fans with ATEX certification and possible marking EEx e, EEX d, DIP55 and DIP65

HC-25..0,63

HC-71...100

Wall-mounted axial fans and ATEX certification with CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant to work in explosive dust atmospheres.

Fan:
- Impeller made from cast aluminium
- Airflow direction from motor to impeller
- Spark-proof stuffing-box included
- Protection guard against contacts, in accordance with standard UNE 100-250 included in 25 to 63 models, remaining models as an accessory.
- Support frame in sheet steel with aluminium strip in the impeller area in accordance with Standard EN-14986:2006

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC.+ 40ºC.

EEx "e" mark: CE Ex **II 2 G. EEx e**
EEx "d" mark: CE Ex **II 2 G. EEx d**
DIP55 mark: CE Ex **II 3 D. IP55**
DIP65 mark: CE Ex **II 2 D. IP65**
Notified authority: L.O.M.
ID:
LOM3ATEX0157

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.
- EEx d flame-resistant single-phase motors

Order code

HC/ATEX — 25 — 2T/H — EEx-e — I — F

HC/ATEX — Wall-mounted axial fans, with ATEX motor

EEx "e" mark: CE Ex **II 2 G. EEx e**
EEx "d" mark: CE Ex **II 2 G. EEx d**
DIP55 mark: CE Ex **II 3 D. IP55**
DIP65 mark: CE Ex **II 2 D. IP65**
Notified authority: L.O.M.
ID:
LOM3ATEX0157

25 — Impeller diameter in cm.

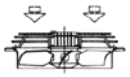
2T/H — Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz

T=Three-phase
M=Single-phase

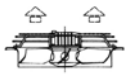
H=High airflow
L=Low airflow

EEx-e — EEx-e: Mark:
CE Ex II 2 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 2 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 2 D. IP65

I — Air circulation
I=Impeller Motor->Impeller



A=Inlet Impeller->Motor



F — Execution of the fan

Standard execution

F=Motor-impeller unit guard

G=Motor-impeller unit

Technical characteristics

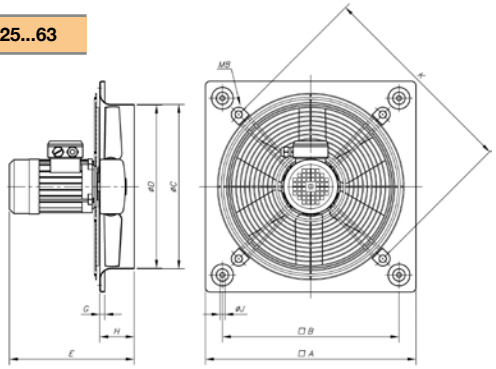
Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)
HC/ATEX-25-2T/H	2760	0.83	0.48		0.12	2200	64
HC/ATEX-25-4T/H	1450	0.6	0.35		0.1	1300	51
HC/ATEX-31-2T/H	2780	1.38	0.8		0.18	3650	72
HC/ATEX-31-4T/H	1430	0.64	0.37		0.1	2400	54
HC/ATEX-31-4T/L	1455	0.65	0.38		0.08	1800	52
HC/ATEX-35-2T/H	2830	2.25	1.3		0.37	6020	76
HC/ATEX-35-4T/H	1360	0.72	0.42		0.1	3500	58
HC/ATEX-35-4T/L	1440	0.64	0.37		0.1	2600	56
HC/ATEX-40-4T/H	1400	1.82	1.05		0.25	5200	63
HC/ATEX-40-4T/L	1335	0.7	0.41		0.1	4000	59
HC/ATEX-40-6T/H	970	1.3	0.75		0.25	3700	55
HC/ATEX-45-4T/H	1380	2.08	1.2		0.37	7300	66
HC/ATEX-45-4T/L	1400	1.82	1.05		0.25	5600	63
HC/ATEX-45-6T/H	950	1.47	0.85		0.25	5200	57
HC/ATEX-50-4T/H	1380	2.94	1.7		0.55	10200	69
HC/ATEX-50-4T/L	1400	1.82	1.05		0.25	7400	66

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)
HC/ATEX-50-6T/H	960	2.08	1.2		0.37	6300	59
HC/ATEX-56-4T/H	1440	4.68	2.7		1.1	13000	72
HC/ATEX-56-4T/L	1380	2.85	1.65		0.55	11050	70
HC/ATEX-56-6T/H	940	2.25	1.3		0.37	8400	61
HC/ATEX-63-4T/H	1415	5.2	3		1.1	16450	74
HC/ATEX-63-4T/L	1430	3.84	2.22		0.75	14400	73
HC/ATEX-63-6T/H	890	2.42	1.4		0.37	12400	64
HC/ATEX-71-4T/H	1450	6.41	3.7		1.5	22300	78
HC/ATEX-71-6T/H	950	3.91	2.26		0.75	17500	66
HC/ATEX-80-4T/H	1450	11.78	6.8		3	33000	82
HC/ATEX-80-4T/L	1450	6.41	3.7		1.5	25000	79
HC/ATEX-80-6T/H	950	4.16	2.4		0.75	22000	71
HC/ATEX-80-6T/L	950	2.96	1.71		0.55	19200	70
HC/ATEX-90-4T/H	1450	15.24	8.8		4	43500	86
HC/ATEX-90-4T/L	1450	11.78	6.8		3	33800	83
HC/ATEX-90-6T/H	950	7.62	4.4		1.5	33300	76
HC/ATEX-90-6T/L	950	5	2.89		1.1	26200	73
HC/ATEX-100-4T/H	1450	-	11.9	6.9	5.5	54000	88
HC/ATEX-100-4T/L	1450	15.24	8.8		4	42500	84
HC/ATEX-100-6T/H	950	7.62	4.4		1.5	37000	78
HC/ATEX-100-6T/L	950	5	2.89		1.1	28100	76

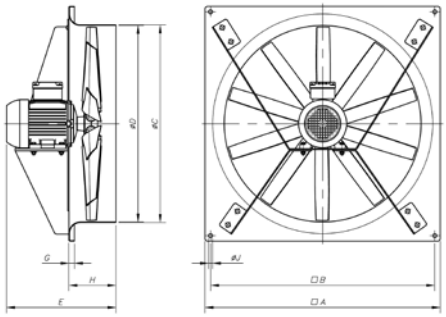
Dimensions in mm

HC/ATEX 25...63



Model	ØA	ØB	ØC	ØD	E	G	H	ØJ	K
HC-25	330	275	262	260	236.5	11	56	8.5	310
HC-31-2	400	336	310.5	308	264.5	11	65	10.5	380
HC-31-4	400	336	310.5	308	245.5	11	65	10.5	380
HC-35-2	465	390	362.5	360	275.5	11	76	10.5	450
HC-35-4	465	390	362.5	360	256.5	11	76	10.5	450
HC-40-4.../H	532	452	412.5	410	297.5	11	97.5	10.5	500
HC-40-4.../L	532	452	412.5	410	278.5	11	97.5	10.5	500
HC-40-6.../H	532	452	412.5	410	308.5	11	97.5	10.5	500
HC-45-4.../H	596	504	462.5	460	315.5	11	105	10.5	560
HC-45-4.../L	596	504	462.5	460	304.5	11	105	10.5	560
HC-45-6.../H	596	504	462.5	460	315.5	11	105	10.5	560
HC-50-4T/H	665	562	516.5	514	325.5	11	115	10.5	640
HC-50-4.../L	665	562	516.5	514	283.5	11	115	10.5	640
HC-50-6.../H	665	562	516.5	514	351	11	115	10.5	640
HC-56-4T/H	710	630	563	560	374	15	115	10.5	721
HC-56-4T/L	710	630	563	560	325.5	15	115	10.5	721
HC-56-6.../H	710	630	563	560	351	15	115	10.5	721
HC-63-4T/H	800	710	638	635	399	15	140	10.5	820
HC-63-4.../L	800	710	638	635	376	15	140	10.5	820
HC-63-6.../H	800	710	638	635	376	15	140	10.5	820

HC/ATEX 71...100



Model	ØA	ØB	ØC	ØD	E	G	H	ØJ
HC-71-4T/H	850	810	715	711	395	20	170	14.5
HC-71-6T/H	850	810	715	711	395	20	170	14.5
HC-80-4T/H	970	910	801	797	488	20	210	14.5
HC-80-4T/L	970	910	801	797	458	20	210	14.5
HC-80-6T/H	970	910	801	797	458	20	210	14.5
HC-80-6T/L	970	910	801	797	416	20	210	14.5
HC-90-4T/H	1170	1110	918	914	511	20	210	14.5
HC-90-4T/L	1170	1110	918	914	488	20	210	14.5
HC-90-6T/H	1170	1110	918	914	488	20	210	14.5
HC-90-6T/L	1170	1110	918	914	455	20	210	14.5
HC-100-4T/H	1170	1110	1003	999	548	20	220	14.5
HC-100-4T/L	1170	1110	1003	999	521	20	220	14.5
HC-100-6T/H	1170	1110	1003	999	498	20	220	14.5
HC-100-6T/L	1170	1110	1003	999	468	20	220	14.5

The measures correspond to the EEx "e" version

Acoustic features

The specified values are determined according to free field measurements of pressure and 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.

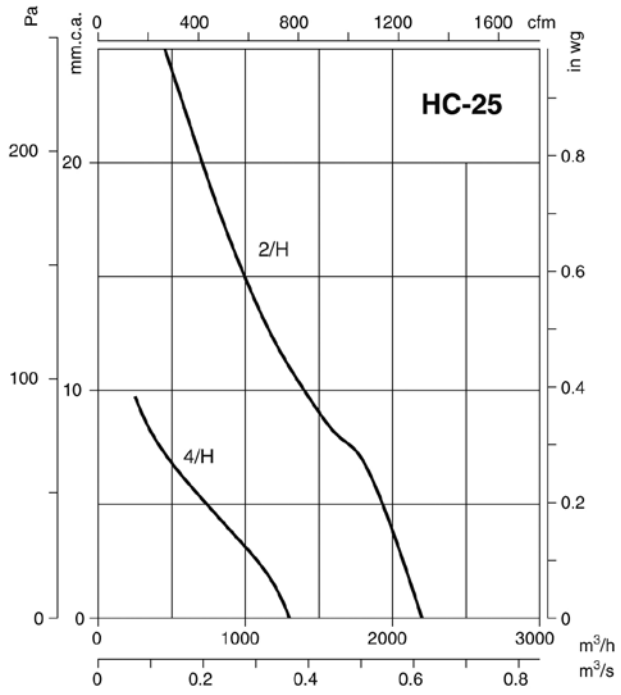
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

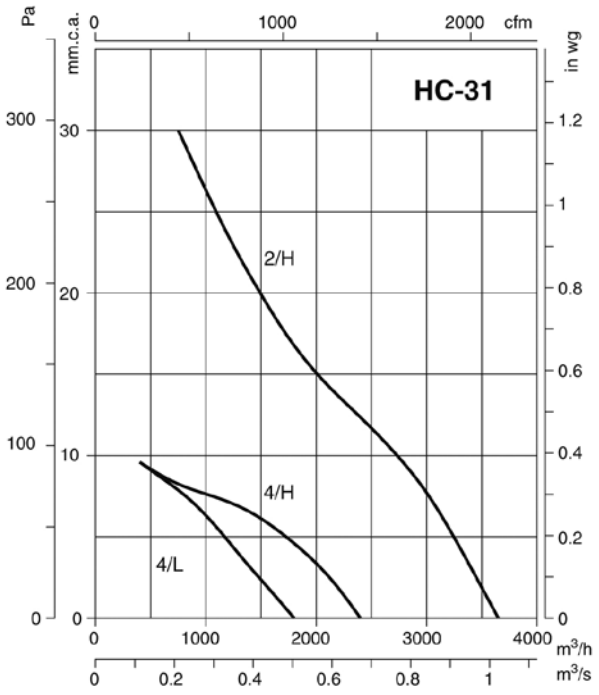
Model	63	125	250	500	1000	2000	4000	8000
25-2/H	38	48	65	65	73	69	62	53
25-4/H	25	35	52	52	60	56	49	40
31-2/H	46	56	73	73	81	77	70	61
31-4/H	28	38	55	55	63	59	52	43
31-4/L	26	36	53	53	61	57	50	41
35-2/H	50	60	77	77	85	81	74	65
35-4/H	32	42	59	59	67	63	56	47
35-4/L	30	40	57	57	65	61	54	45
40-4/H	28	45	57	65	70	70	66	59
40-4/L	29	45	55	59	66	66	62	55
40-6/H	20	37	49	57	62	62	58	51
45-4/H	33	50	63	70	75	76	71	64
45-4/L	36	51	61	66	72	73	69	62
45-6/H	24	41	54	61	66	67	62	55
50-4/H	36	53	66	73	78	79	74	67
50-4/L	39	54	64	69	75	76	72	65
50-6/H	26	43	56	63	68	69	64	57
56-4/H	39	56	69	76	81	82	77	70
56-6/H	28	45	58	65	70	71	66	59

Model	63	125	250	500	1000	2000	4000	8000
56-4/L	43	58	68	73	79	80	76	69
63-4/H	43	60	73	80	85	86	81	74
63-6/H	33	50	63	70	75	76	71	64
63-4/L	48	63	73	78	84	85	81	74
71-4/H	47	64	77	84	89	90	85	78
71-6T/H	35	52	65	72	77	78	73	66
80-4/H	60	81	88	93	96	92	85	74
80-6/H	49	70	77	82	85	81	74	63
80-4/L	57	78	85	90	93	89	82	71
80-6/L	48	69	76	81	84	80	73	62
90-4/H	64	85	92	97	100	96	89	78
90-6/H	54	75	82	87	90	86	79	68
90-4/L	61	82	89	94	97	93	86	75
90-6/L	51	72	79	84	87	83	76	85
100-4/H	68	88	96	101	103	100	93	82
100-6/H	58	78	86	91	93	90	83	72
100-4/L	64	84	92	97	99	96	89	78
100-6/L	56	76	84	89	91	88	81	70

Characteristic curves

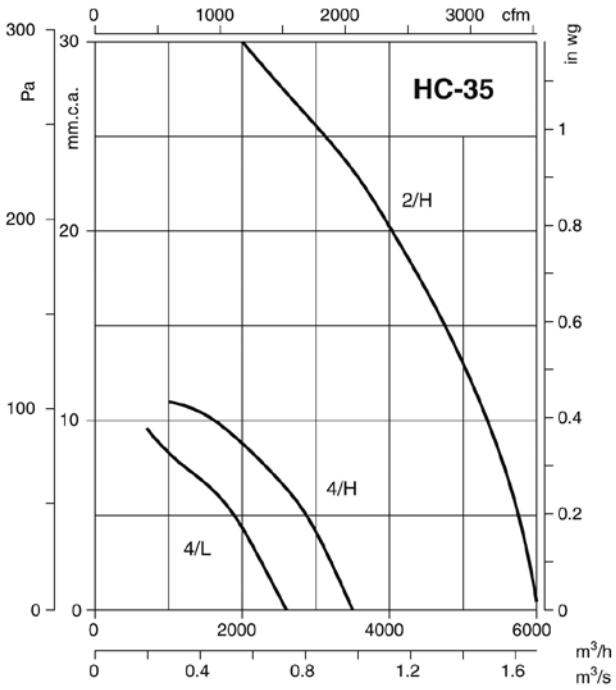
Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

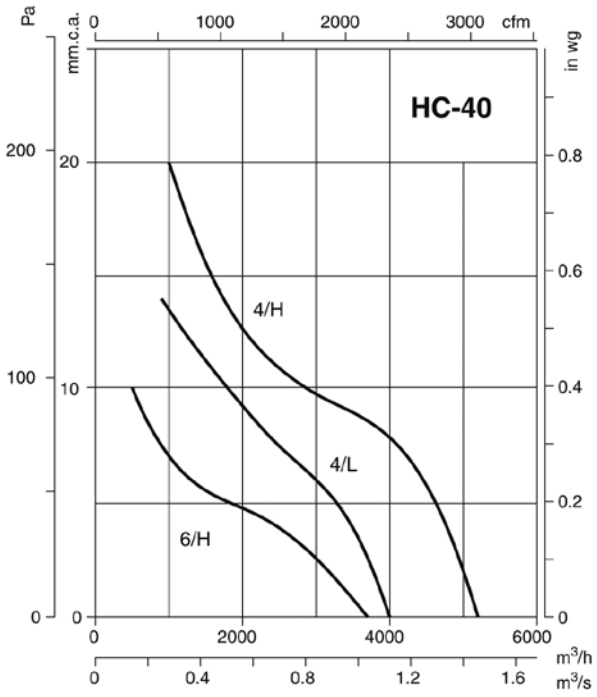


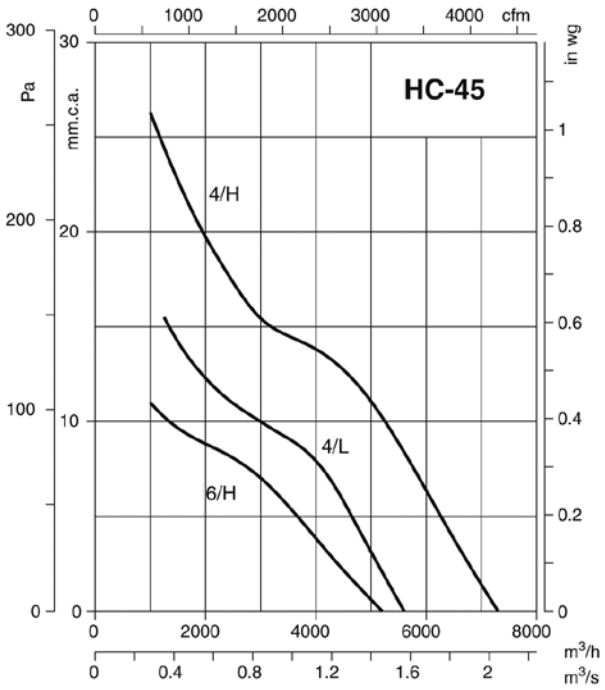


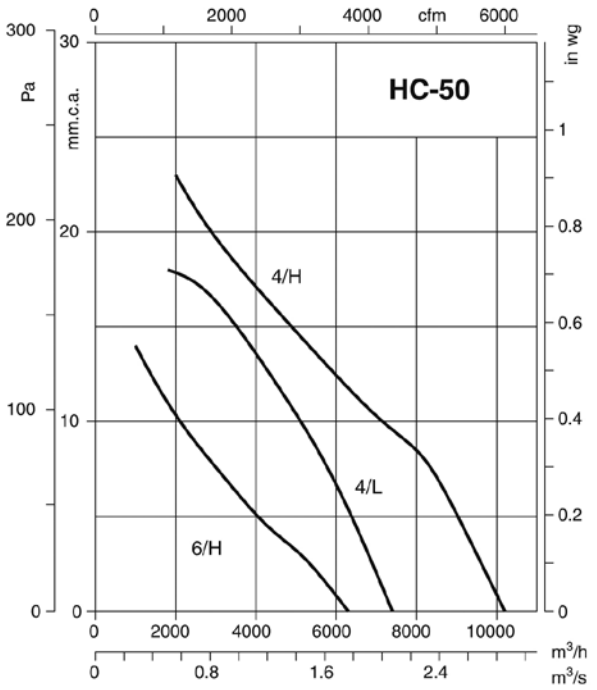
Characteristic curves

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



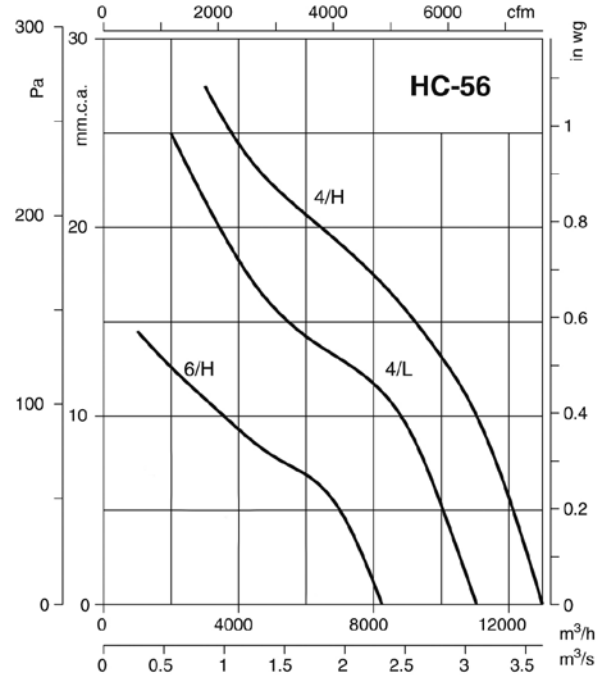


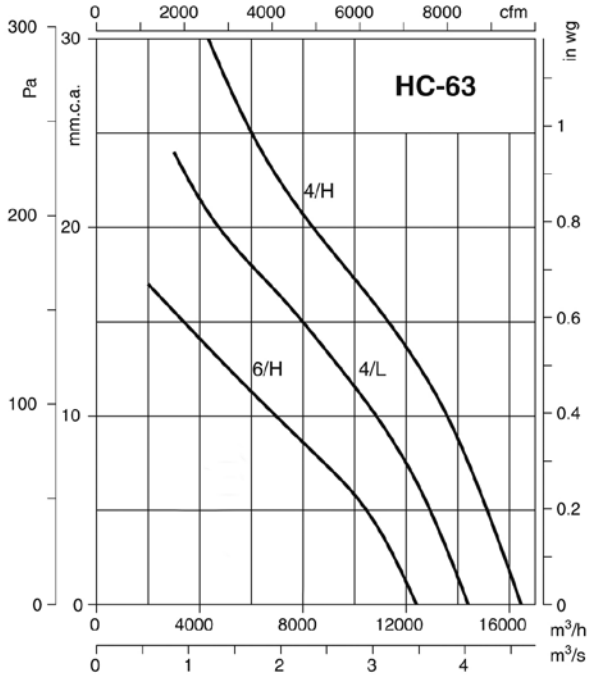


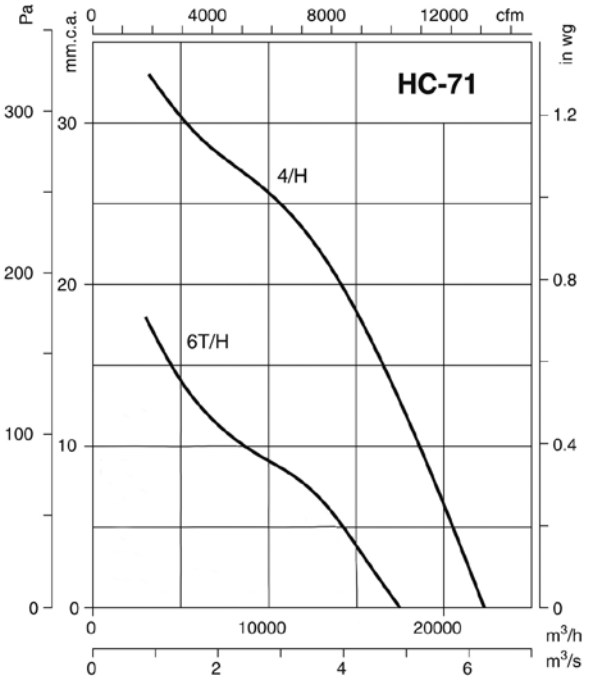


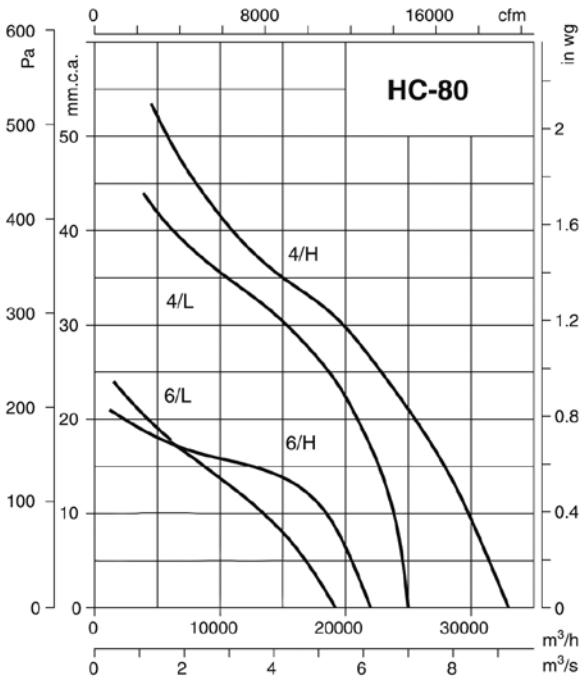
Characteristic curves

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





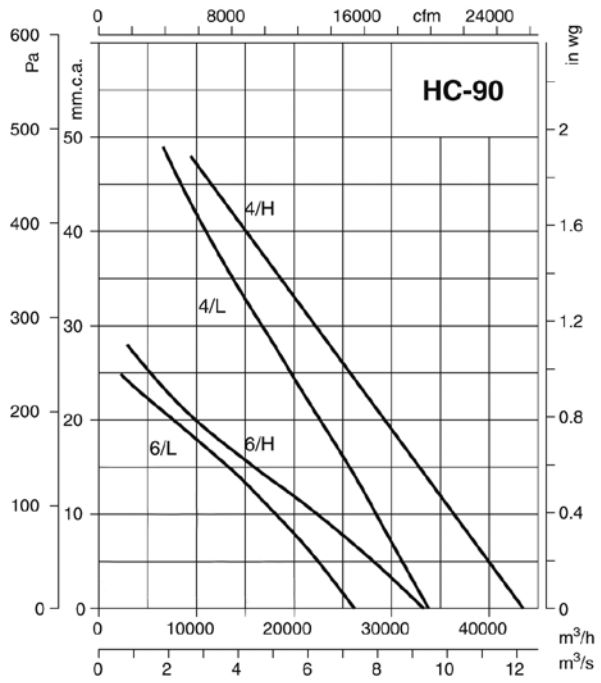


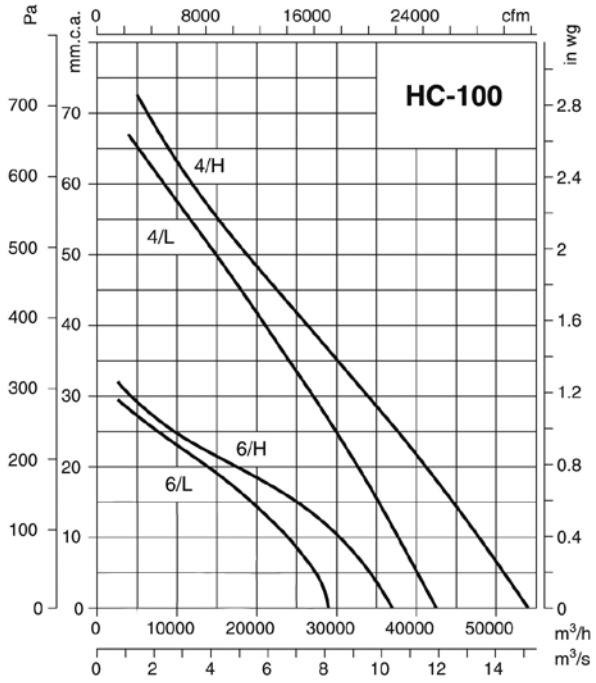


Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm.

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





Accessories

See accessories section.


INT


AR


RFT/ RFM


PANELS


P


R


RI


S

HCH/ATEX
HCT/ATEX

HCH/ATEX: Robust wall-mounted axial fans with ATEX certification
HCT/ATEX: Robust long-cased axial fans with ATEX certification

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX0157

HCH/ATEX

HCT/ATEX

Circular axial fans (HCH) or long-cased axial fans (HCT) with ATEX certification and CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant motor, to work in explosive atmospheres.

Fan:
- HCH/ATEX: Support ring in sheet steel with aluminium strip in the impeller area in accordance with Standard EN-14986:2006
- HCT/ATEX: Sheet steel thick long casing with aluminium strip in the impeller area in accordance with Standard EN-14986:2006
- Impeller made from cast aluminium
- Incorporates with inspection hatch (HCT)
- Airflow direction from motor to impeller

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC.+ 40ºC.

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.
- EEx d flame-resistant single-phase motors

Order code

HCT/ATEX — 56 — 4T — 1,5 — EEx-e

HCH: Wall-mounted axial fans
HCT: Cased axial fans

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX0157

Impeller diameter (cm)

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz

T=Three-phase

Power motor (c.v)

EEx-e: Mark:
CE Ex II 2 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 2 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 2 D. IP65

Technical characteristics

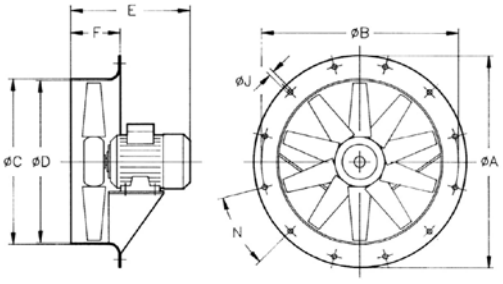
Model			Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg)	
							EEx-e	EEx-d
HCH/ATEX	HCT/ATEX	35-2T	2800	0.37	5750	77	13	23
HCH/ATEX	HCT/ATEX	35-4T	1440	0.12	3100	59	12	19
HCH/ATEX	HCT/ATEX	40-2T-1,5	2900	1.10	8750	84	27	40
HCH/ATEX	HCT/ATEX	40-4T-0,33	1450	0.25	5100	64	21	30
HCH/ATEX	HCT/ATEX	45-2T-2	2900	1.50	10300	86	30	49
HCH/ATEX	HCT/ATEX	45-2T-3	2900	2.20	12800	88	33	54
HCH/ATEX	HCT/ATEX	45-4T-0,5	1450	0.37	7100	68	25	33
HCH/ATEX	HCT/ATEX	50-4T-0,75	1450	0.55	10300	70	27	41
HCH/ATEX	HCT/ATEX	56-4T-0,75	1450	0.55	11000	72	32	46
HCH/ATEX	HCT/ATEX	56-4T-1	1450	0.75	12900	73	34	47
HCH/ATEX	HCT/ATEX	56-4T-1,5	1450	1.10	14000	74	36	55
HCH/ATEX	HCT/ATEX	56-4T-2	1450	1.50	15300	75	39	59
HCH/ATEX	HCT/ATEX	56-6T -0,33	950	0.25	8400	61	31	39
HCH/ATEX	HCT/ATEX	56-6T -0,5	950	0.37	9300	61	34	43
HCH/ATEX	HCT/ATEX	56-6T -0,75	950	0.55	10000	62	34	47
HCH/ATEX	HCT/ATEX	63-4T-1	1450	0.75	14100	73	43	56
HCH/ATEX	HCT/ATEX	63-4T-1,5	1450	1.10	17000	74	45	64
HCH/ATEX	HCT/ATEX	63-4T-2	1450	1.50	18900	75	48	68
HCH/ATEX	HCT/ATEX	63-4T-3	1450	2.20	22000	76	53	76
HCH/ATEX	HCT/ATEX	63-4T-4	1450	3.00	25200	77	56	79

Technical characteristics

Model			Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) EEx-e	EEx-d
HCH/ATEX	HCT/ATEX	63-6T -0,5	950	0.37	12000	64	43	52
HCH/ATEX	HCT/ATEX	63-6T -0,75	950	0.55	12600	65	43	56
HCH/ATEX	HCT/ATEX	63-6T -1	950	0.75	13800	66	45	64
HCH/ATEX	HCT/ATEX	71-4T-1,5	1450	1.10	19900	78	51	70
HCH/ATEX	HCT/ATEX	71-4T-2	1450	1.50	21000	79	54	74
HCH/ATEX	HCT/ATEX	71-4T-3	1450	2.20	24000	81	60	83
HCH/ATEX	HCT/ATEX	71-4T-4	1450	3.00	29400	82	63	86
HCH/ATEX	HCT/ATEX	71-6T -0,75	950	0.55	15000	67	49	62
HCH/ATEX	HCT/ATEX	71-6T -1	950	0.75	17200	68	51	70
HCH/ATEX	HCT/ATEX	71-6T -1,5	950	1.10	21100	69	54	75
HCH/ATEX	HCT/ATEX	80-4T-3	1450	2.20	29500	82	69	92
HCH/ATEX	HCT/ATEX	80-4T-4	1450	3.00	37000	83	72	95
HCH/ATEX	HCT/ATEX	80-4T-5,5	1450	4.00	40500	84	74	98
HCH/ATEX	HCT/ATEX	80-6T -1	950	0.75	23000	71	60	79
HCH/ATEX	HCT/ATEX	80-6T -1,5	950	1.10	26000	72	63	84
HCH/ATEX	HCT/ATEX	80-6T -2	950	1.50	29700	73	71	95
HCH/ATEX	HCT/ATEX	80-6T -3	950	2.20	33500	74	74	98
HCH/ATEX	HCT/ATEX	90-4T-4	1450	3.00	40000	87	87	110
HCH/ATEX	HCT/ATEX	90-4T-5,5	1450	4.00	46500	89	90	114
HCH/ATEX	HCT/ATEX	90-4T-7,5	1450	5.50	51000	91	103	142
HCH/ATEX	HCT/ATEX	90-4T-10	1450	7.50	54700	92	111	145
HCH/ATEX	HCT/ATEX	90-6T -2	950	1.50	34300	77	86	110
HCH/ATEX	HCT/ATEX	90-6T -3	950	2.20	38000	78	90	114
HCH/ATEX	HCT/ATEX	90-6T -4	950	3.00	42400	79	102	142
HCH/ATEX	HCT/ATEX	100-4T-7,5	1450	5.50	54000	92	115	154
HCH/ATEX	HCT/ATEX	100-4T-10	1450	7.50	63000	93	122	156
HCH/ATEX	HCT/ATEX	100-4T-15	1460	11.00	68000	94	159	256
HCH/ATEX	HCT/ATEX	100-4T-20	1455	15.00	72000	95	178	279
HCH/ATEX	HCT/ATEX	100-6T -3	950	2.20	43000	82	101	125
HCH/ATEX	HCT/ATEX	100-6T -4	950	3.00	47000	83	113	153
HCH/ATEX	HCT/ATEX	100-6T -5,5	950	4.00	53000	84	120	156

Dimensions in mm

HCH/ATEX

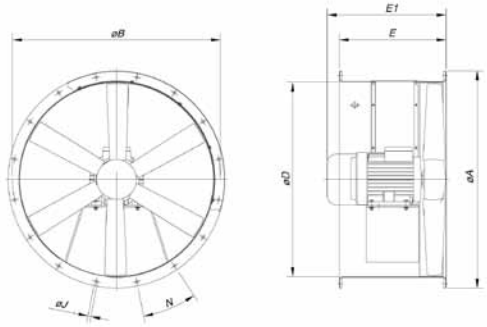


Model	ØA	ØB	ØC	ØD	E 0,16	0,33	0,5	0,75	1	1,5	2	3	4	5,5	7,5	10	15	20	F	ØJ	N
HCH-35-2	425	395	358	355	-	-	285	-	-	-	-	-	-	-	-	-	-	-	110	10	8 X 45°
HCH-35-4	425	395	358	355	257	-	-	-	-	-	-	-	-	-	-	-	-	-	110	10	8 X 45°
HCH-40-2	490	450	414	410	-	-	-	-	-	314	-	-	-	-	-	-	-	-	120	12	8 X 45°
HCH-40-4	490	450	414	410	-	295	-	-	-	-	-	-	-	-	-	-	-	-	120	12	8 X 45°
HCH-45-4	540	500	464	460	-	-	280	-	-	-	-	-	-	-		-	-	-	120	12	8 X 45°
HCH-45-6	540	500	464	460	-	280	-	-	-	-	-	-	-	-	-	-	-	-	120	12	8 X 45°
HCH-56-4	660	620	564	560	-	-	-	310	310	330	350	-	-	-	-	-	-	-	120	12	12 X 30°
HCH-56-6	660	620	564	560	-	285	310	310	-	-	-	-	-	-	-	-	-	-	120	12	12 X 30°
HCH-63-4	730	690	645	640	-	-	-	-	325	325	355	405	405	-	-	-	-	-	150	12	12 X 30°
HCH-63-6	730	690	645	640	-	-	325	325	335	-	-	-	-	-	-	-	-	-	150	12	12 X 30°
HCH-71-4	810	770	715	710	-	-	-	-	-	330	350	415	415	-	-	-	-	-	150	12	16 X 22°30'
HCH-71-6	810	770	715	710	-	-	-	315	330	350	-	-	-	-	-	-	-	-	150	12	16 X 22°30'
HCH-80-4	900	860	805	800	-	-	-	-	-	-	-	425	425	445	-	-	-	-	180	12	16 X 22°30'
HCH-80-6	900	860	805	800	-	-	-	-	355	375	425	445	-	-	-	-	-	-	180	12	16 X 22°30'
HCH-90-4	1015	970	906	900	-	-	-	-	-	-	-	-	425	430	465	465	-	-	180	15	16 X 22°30'
HCH-90-6	1015	970	906	900	-	-	-	-	-	-	425	430	465	-	-	-	-	-	180	15	16 X 22°30'
HCH-100-4	1115	1070	1006	1000	-	-	-	-		-	-	-	-	-	480	480	590	590	200	15	16 X 22°30'
HCH-100-6	1115	1070	1006	1000	-	-	-	-	-	-	-	440	480	480	-	-	-	-	200	15	16 X 22°30'

The measures correspond to the EEx "e" version

Dimensions in mm

HCT/ATEX



Model	ØA	ØB	D	E	E1	ØJ	N
HCT-35-2T/ATEX	425	395	355	270	306	10	8x45°
HCT-35-4T/ATEX	425	395	355	270	322	10	8x45°
HCT-40-2T-1,5/ATEX	490	450	410	400	400	12	8x45°
HCT-40-4T-0,33/ATEX	490	450	410	400	400	12	8x45°
HCT-45-2T-2/ATEX	540	500	460	400	422	12	8x45°
HCT-45-2T-3/ATEX	540	500	460	400	422	12	8x45°
HCT-45-4T-0,5/ATEX	540	500	460	400	400	12	8x45°
HCT-50-4T-0,75/ATEX	600	560	514	400	400	12	12x30°
HCT-56-4T-0,75/ATEX	660	620	560	400	400	12	12x30°
HCT-56-4T-1/ATEX	660	620	560	400	400	12	12x30°
HCT-56-4T-1,5/ATEX	660	620	560	400	422	12	12x30°
HCT-56-4T-2/ATEX	660	620	560	400	422	12	12x30°
HCT-56-6T-0,33/ATEX	660	620	560	400	400	12	12x30°
HCT-56-6T-0,5/ATEX	660	620	560	400	400	12	12x30°
HCT-56-6T-0,75/ATEX	660	620	560	400	400	12	12x30°
HCT-63-4T-1/ATEX	730	690	640	400	400	12	12x30°
HCT-63-4T-1,5/ATEX	730	690	640	400	422	12	12x30°
HCT-63-4T-2/ATEX	730	690	640	400	422	12	12x30°
HCT-63-4T-3/ATEX	730	690	640	500	500	12	12x30°
HCT-63-4T-4/ATEX	730	690	640	500	500	12	12x30°
HCT-63-6T-0,5/ATEX	730	690	640	400	400	12	12x30°
HCT-63-6T-0,75/ATEX	730	690	640	400	400	12	12x30°
HCT-63-6T-1/ATEX	730	690	640	400	422	12	12x30°
HCT-71-4T-1,5/ATEX	810	770	710	430	442	12	16x22°30'
HCT-71-4T-2/ATEX	810	770	710	430	442	12	16x22°30'
HCT-71-4T-3/ATEX	810	770	710	500	500	12	16x22°30'

Model	ØA	ØB	D	E	E1	ØJ	N
HCT-71-4T-4/ATEX	810	770	710	500	500	12	16x22°30'
HCT-71-6T-0,75/ATEX	810	770	710	430	430	12	16x22°30'
HCT-71-6T-1/ATEX	810	770	710	500	442	12	16x22°30'
HCT-71-6T-1,5/ATEX	810	770	710	500	442	12	16x22°30'
HCT-80-4T-3/ATEX	900	860	800	500	500	12	16x22°30'
HCT-80-4T-4/ATEX	900	860	800	500	500	12	16x22°30'
HCT-80-4T-5,5/ATEX	900	860	800	500	519	12	16x22°30'
HCT-80-6T-1/ATEX	900	860	800	500	500	12	16x22°30'
HCT-80-6T-1,5/ATEX	900	860	800	500	500	12	16x22°30'
HCT-80-6T-2/ATEX	900	860	800	500	500	12	16x22°30'
HCT-80-6T-3/ATEX	900	860	800	500	519	12	16x22°30'
HCT-90-4T-4/ATEX	1015	970	900	600	600	15	16x22°30'
HCT-90-4T-5,5/ATEX	1015	970	900	600	600	15	16x22°30'
HCT-90-4T-7,5/ATEX	1015	970	900	600	636	15	16x22°30'
HCT-90-4T-10/ATEX	1015	970	900	600	716	15	16x22°30'
HCT-90-6T-2/ATEX	1015	970	900	600	600	15	16x22°30'
HCT-90-6T-3/ATEX	1015	970	900	600	600	15	16x22°30'
HCT-90-6T-4/ATEX	1015	970	900	600	636	15	16x22°30'
HCT-100-4T-7,5/ATEX	1115	1070	1000	600	636	15	16x22°30'
HCT-100-4T-10/ATEX	1115	1070	1000	600	716	15	16x22°30'
HCT-100-4T-15/ATEX	1115	1070	1000	700	738	15	16x22°30'
HCT-100-4T-20/ATEX	1115	1070	1000	700	738	15	16x22°30'
HCT-100-6T-3/ATEX	1115	1070	1000	600	600	15	16x22°30'
HCT-100-6T-4/ATEX	1115	1070	1000	600	636	15	16x22°30'
HCT-100-6T-5,5/ATEX	1115	1070	1000	600	716	15	16x22°30'

The measures correspond to the EEx "e" version

Acoustic features

The specified values are determined according to free field measurements of pressure and 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.

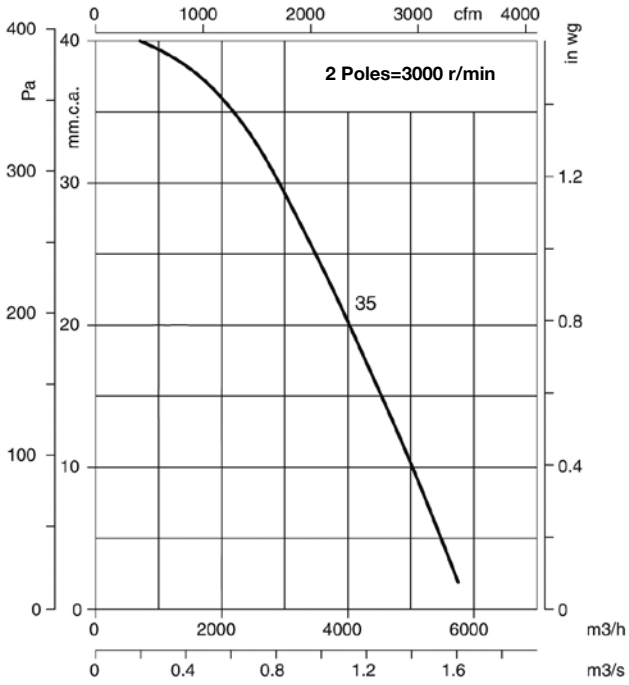
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

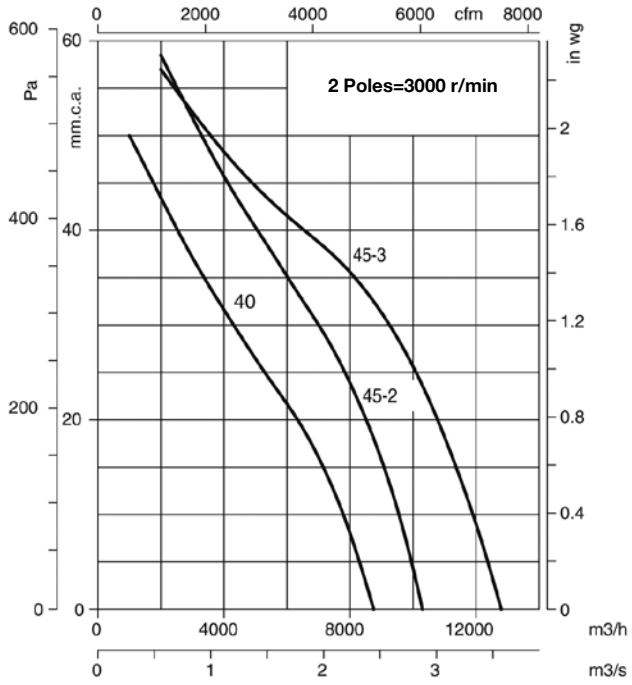
Model		63	125	250	500	1000	2000	4000	8000
35-2T	77	48	63	82	81	82	81	76	67
35-4T	59	30	45	64	63	64	63	58	49
40-2T-1.5	84	55	70	89	88	89	88	83	74
40-4T-0.33	64	35	50	69	68	69	68	63	54
45-2T-2	86	51	68	80	88	93	93	89	82
45-2T-3	88	53	70	82	90	95	95	91	84
45-4T-0,5	68	33	50	62	70	75	75	71	64
50-4T-0,75	70	37	54	67	74	79	80	75	68
56-4T-0,75	72	47	67	75	80	82	79	72	61
56-4T-1	73	48	68	76	81	83	80	73	62
56-4T-1,5	74	49	69	77	82	84	81	74	63
56-4T-2	75	50	70	78	83	85	82	75	64
56-6T -0,33	61	36	56	64	69	71	68	61	50
56-6T -0,5	61	36	56	64	69	71	68	61	50
56-6T -0,75	62	37	57	65	70	72	69	62	51
63-4T-1	73	50	70	78	83	85	82	75	64
63-4T-1,5	74	51	71	79	84	86	83	76	65
63-4T-2	75	52	72	80	85	87	84	77	66
63-4T-3	76	53	73	81	86	88	85	78	67
63-4T-4	77	54	74	82	87	89	86	79	68
63-6T -0,5	64	41	61	69	74	76	73	66	55
63-6T -0,75	65	42	62	70	75	77	74	67	56
63-6T -1	66	43	63	71	76	78	75	68	57
71-4T-1,5	78	55	75	83	88	90	87	80	69
71-4T-2	79	56	76	84	89	91	88	81	70
71-4T-3	81	58	78	86	91	93	90	83	72

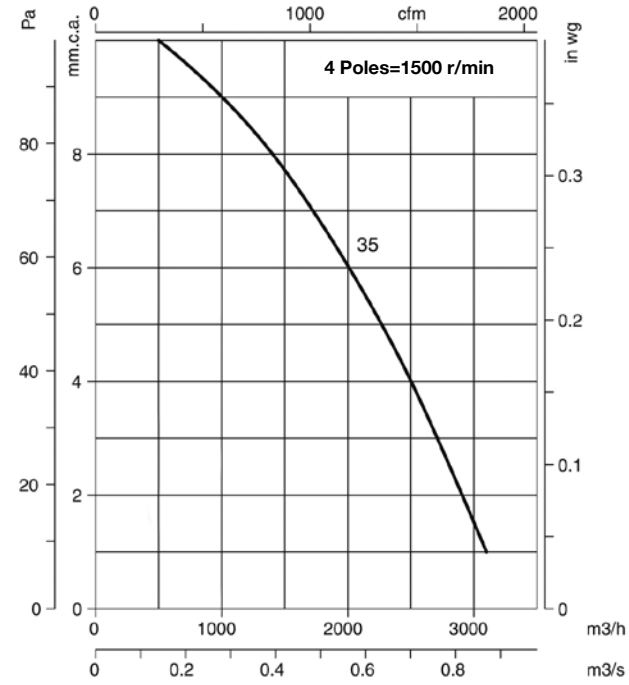
Model		63	125	250	500	1000	2000	4000	8000
71-4T-4	82	59	79	87	92	94	91	84	73
71-6T -0,75	67	44	64	72	77	79	76	69	58
71-6T -1	68	45	65	73	78	80	77	70	59
71-6T -1,5	69	46	66	74	79	81	78	71	60
80-4T-3	82	59	79	87	92	94	91	84	73
80-4T-4	83	60	80	88	93	95	92	85	74
80-4T-5,5	84	61	81	89	94	96	93	86	75
80-6T -1	71	48	68	76	81	83	80	73	62
80-6T -1,5	72	49	69	77	82	84	81	74	63
80-6T -2	73	50	70	78	83	85	82	75	64
80-6T -3	74	51	71	79	84	86	83	76	65
90-4T-4	87	65	86	93	98	101	97	90	79
90-4T-5,5	89	67	88	95	100	103	99	92	81
90-4T-7,5	91	69	90	97	102	105	101	94	83
90-4T-10	92	70	91	98	103	106	102	95	84
90-6T -2	77	55	76	83	88	91	87	80	69
90-6T -3	78	56	77	84	89	92	88	81	70
90-6T -4	79	57	78	85	90	93	89	82	71
100-4T-7,5	92	72	92	100	105	107	104	97	86
100-4T-10	93	73	93	101	106	108	105	98	87
100-4T-15	94	74	94	102	107	109	106	99	88
100-4T-20	95	75	95	103	108	110	107	100	89
100-6T -3	82	62	82	90	95	97	94	87	76
100-6T -4	83	63	83	91	96	98	95	88	77
100-6T -5,5	84	64	84	92	97	99	96	89	78

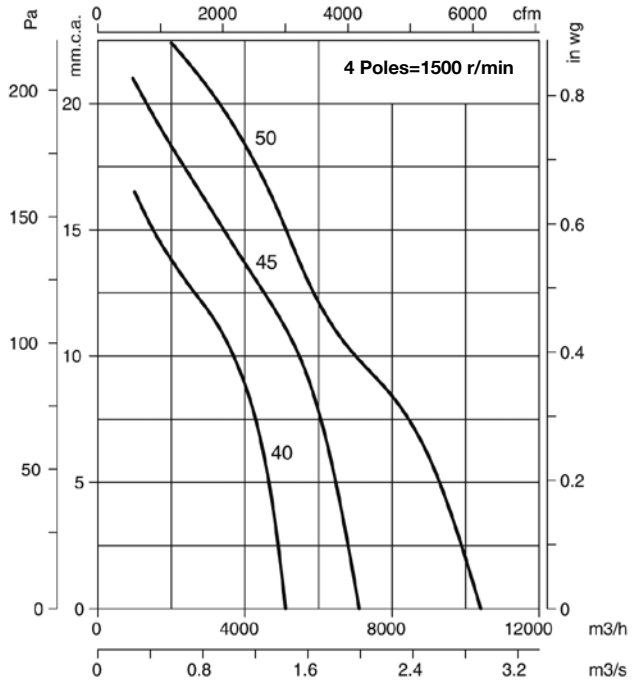
Characteristic curves

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



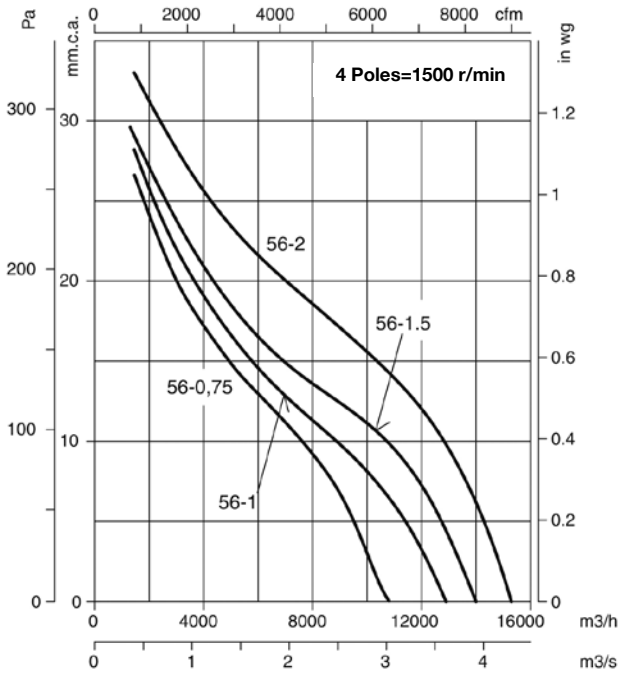


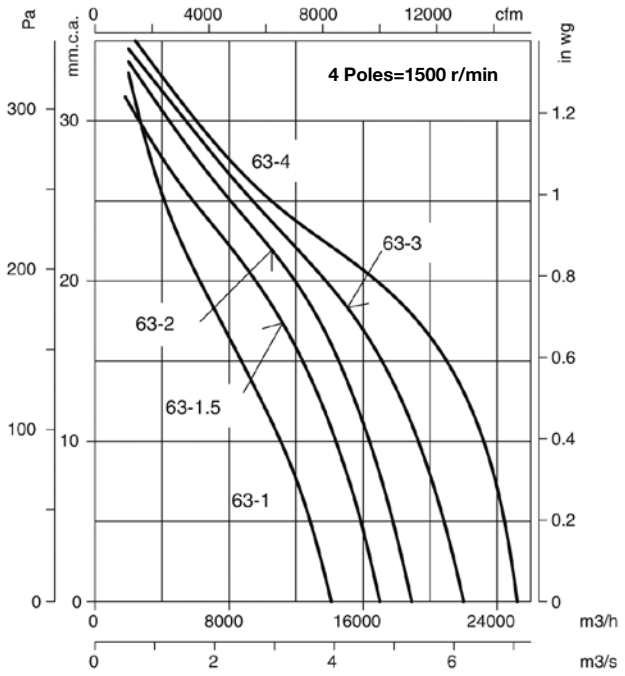


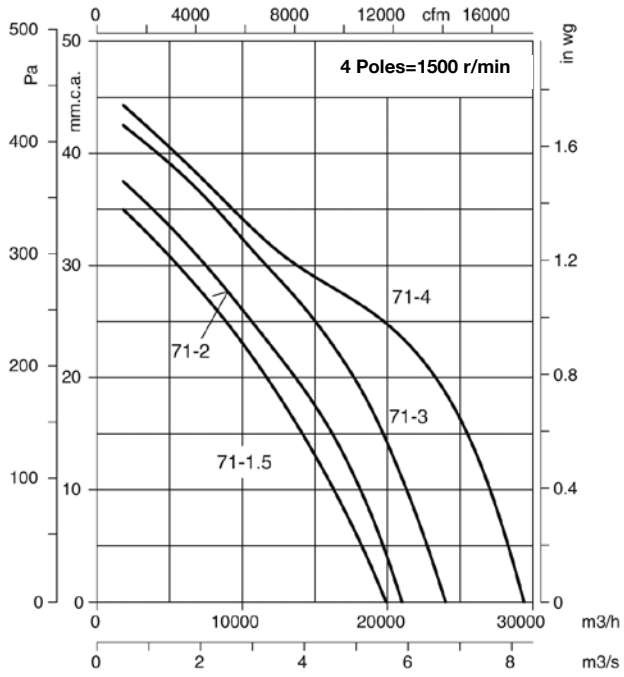


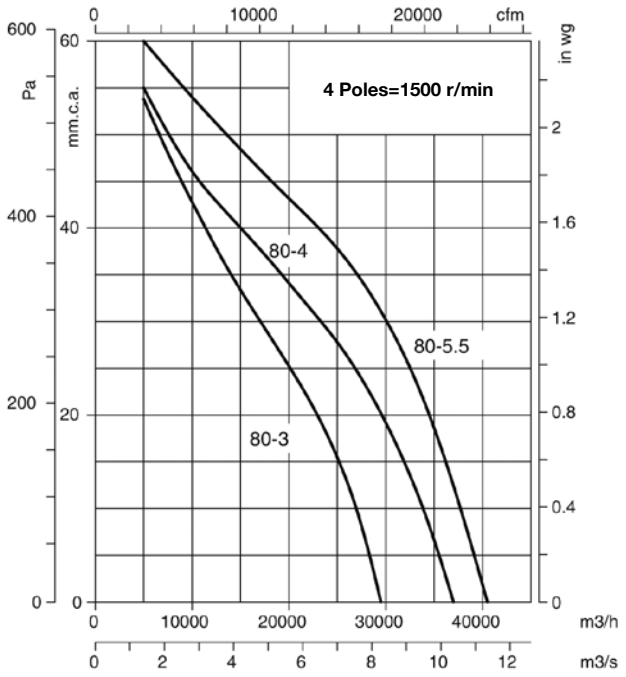
Characteristic curves

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



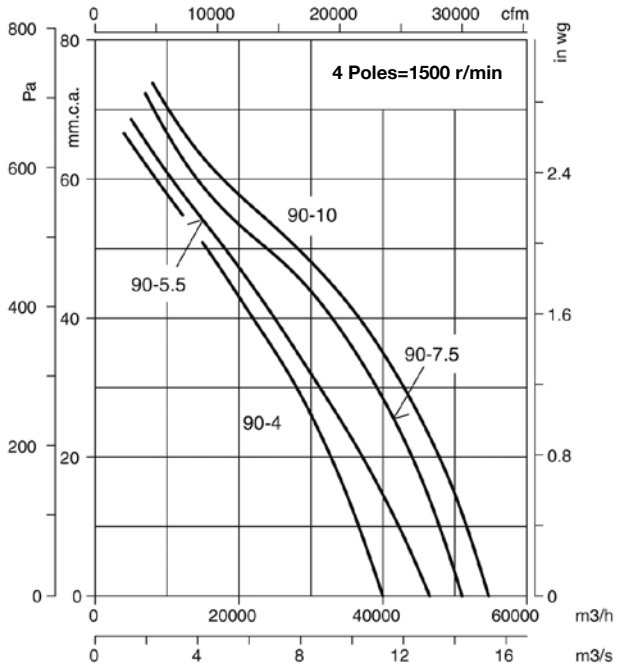


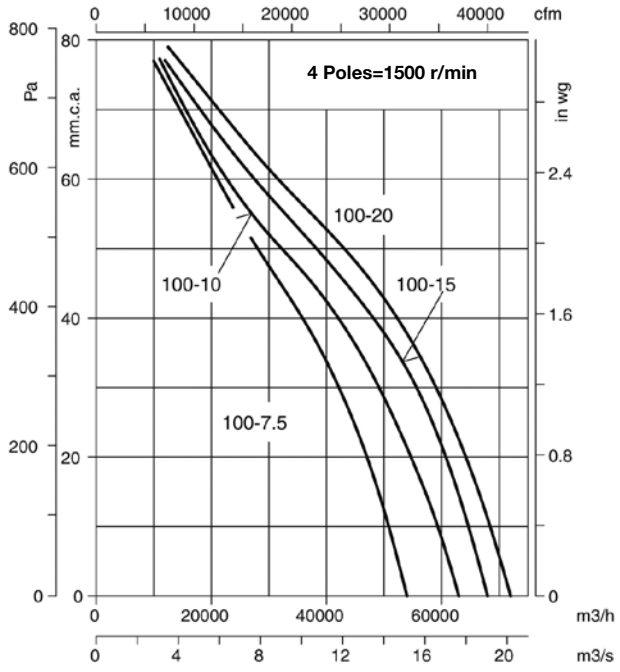


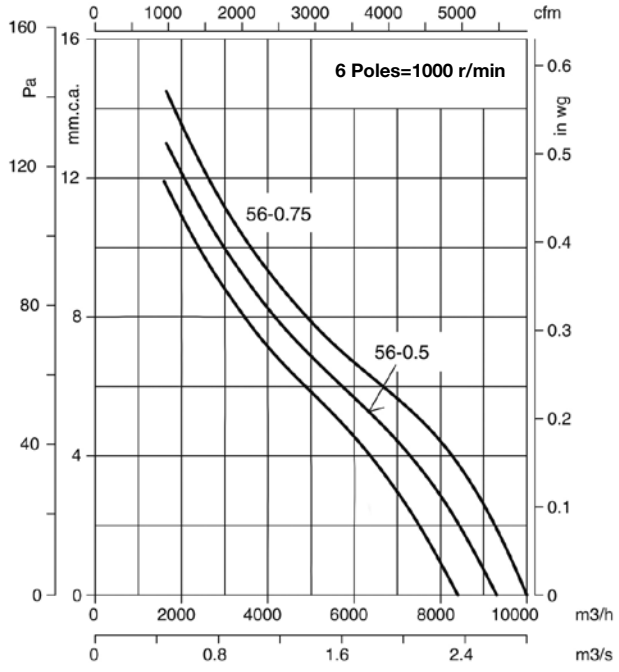


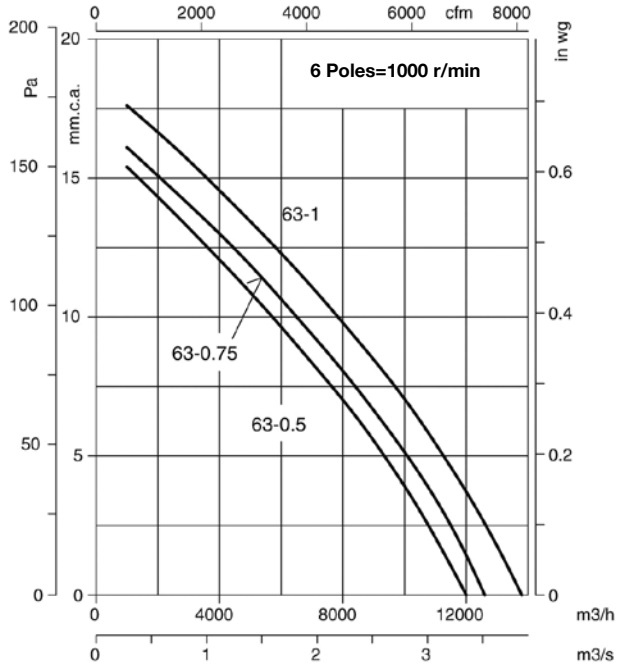
Characteristic curves

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



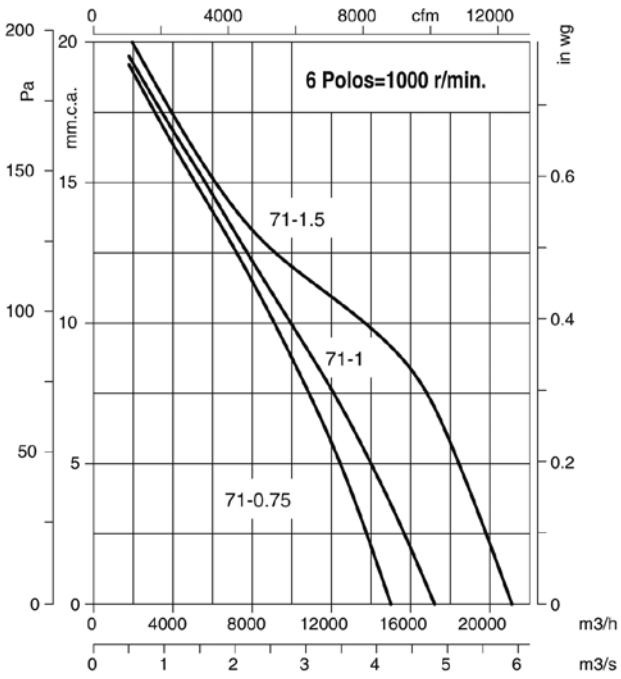


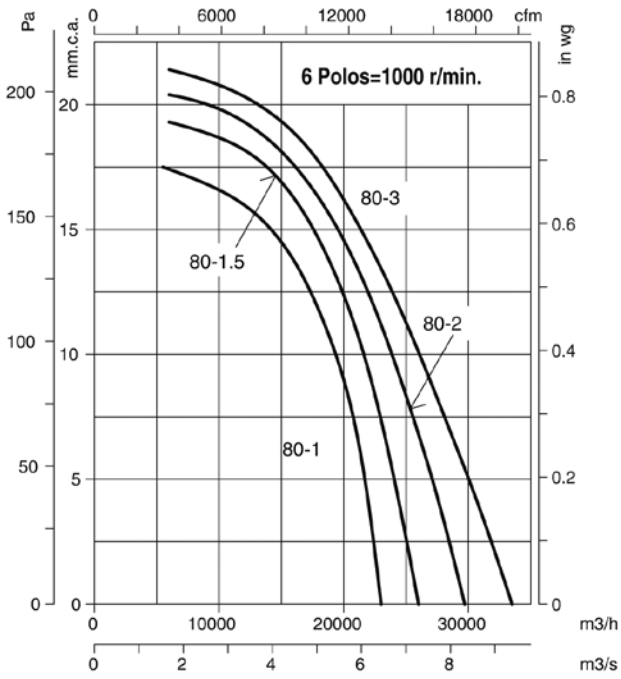


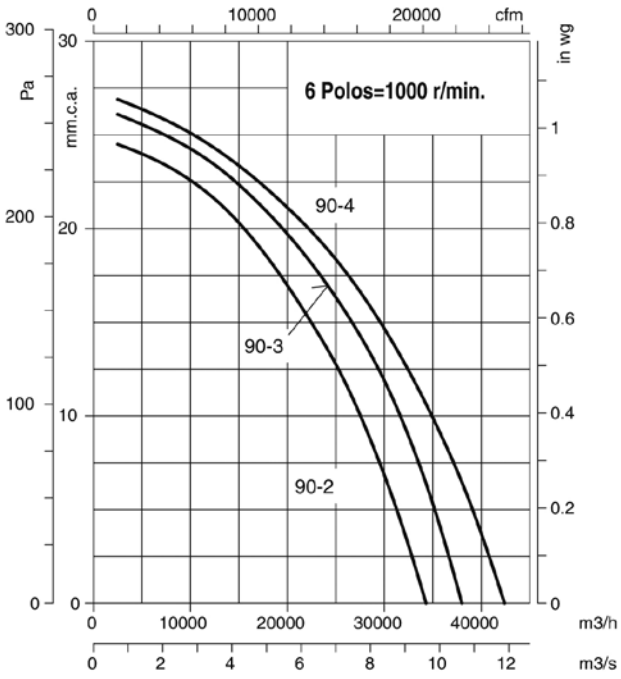


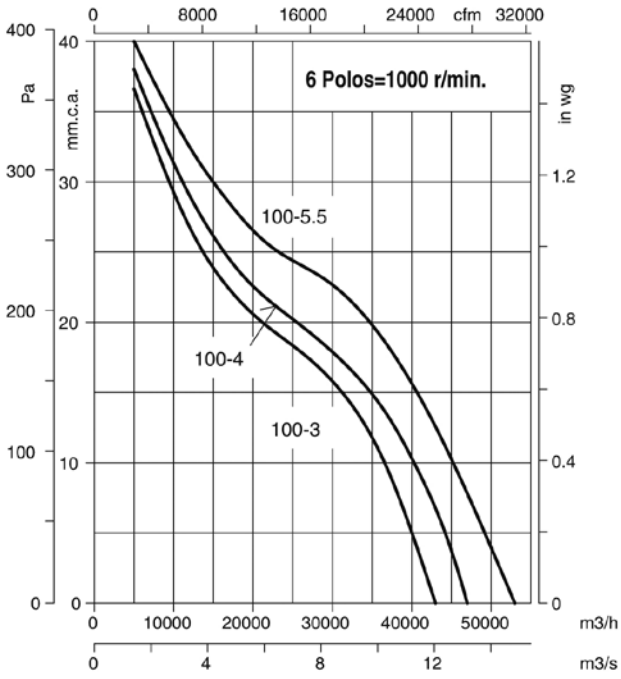
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.









Accessories

See accessories section.

INT AR RFT/ RFM PANELS P R RI RT BTUB BAC PS S

HTM/ATEX

Mobile long-cased fans with ATEX certification

Mobile long-cased axial fans with ATEX certification and CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant motor, to work in explosive atmospheres.

Fan:
- Sheet steel thick long casing with aluminium strip in the impeller area in accordance with Standard EN-14986:2006
- Impeller made from cast aluminium
- Incorporates with inspection hatch
- Protection guard against contacts, in accordance with standard UNE 100250, on both sides
- Airflow direction from motor to impeller

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC.+ 40ºC.

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX0157

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.
- EEx d flame-resistant single-phase motors

Order code

HTM/ATEX — 35 — 2T — EEx d

Mobile long-cased axial fans

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX0157

Impeller diameter in cm.

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz

T=Three-phase

EEx-e: Mark:
CE Ex II 2 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 2 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HTM/ATEX-35-2T	2800	2.15	1.25	0.37	5750	77	13
HTM/ATEX-35-4T	1440	0.67	0.38	0.12	3100	59	12
HTM/ATEX-40-4T	1450	1.45	0.84	0.25	5100	64	19
HTM/ATEX-45-4T	1375	1.99	1.15	0.37	7100	68	22
HTM/ATEX-56-4T	1380	3.12	1.80	0.55	11000	72	27
HTM/ATEX-63-4T	1410	5.20	3.00	1.10	18300	74	35

Acoustic features

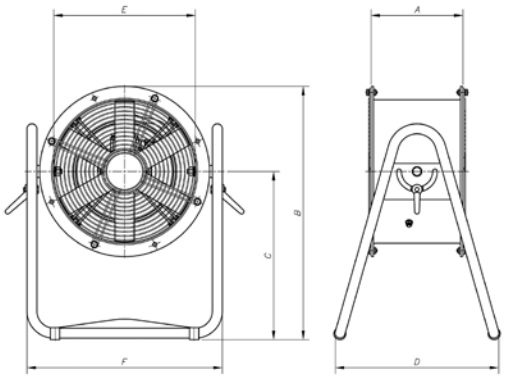
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000
35-2	42	59	71	79	84	84	80	73
35-4	24	41	53	61	66	66	62	55
40-4	29	46	58	66	71	71	67	60

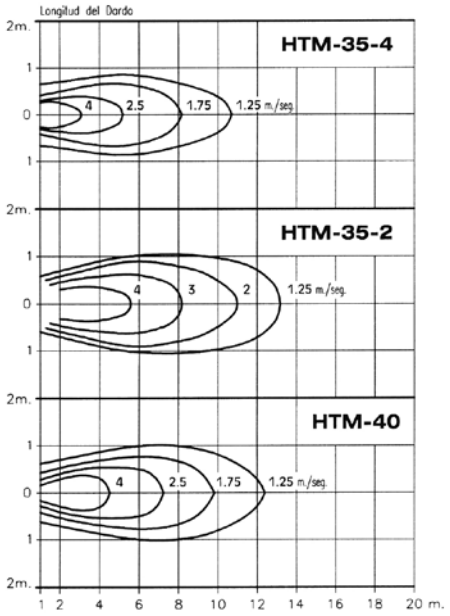
Model	63	125	250	500	1000	2000	4000	8000
45-4	33	50	62	70	75	75	71	64
56-4	39	56	69	76	81	82	77	70
63-4	43	60	73	80	85	86	81	74

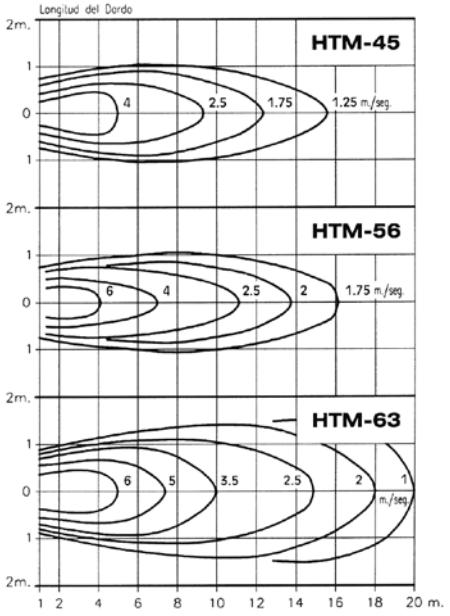
Dimensions in mm



Model	A	B	C	D	E	F
HTM-35/ATEX	230	635	420	415	355	489
HTM-40/ATEX	320	725	481	450	410	596
HTM-45/ATEX	360	750	481	453	460	596
HTM-56/ATEX	400	925	594	522	560	726
HTM-63/ATEX	430	960	594	522	640	805

Characteristics of jet with fan positioned 1 metre away from point 0





Accessories

See accessories section.

INT AR RFT/ RFM PANELS P BTUB BAC

HPX/ATEX

Cased axial fans with external motor and ATEX certification

Aluminium strip to prevent sparks in accordance with standard EN-14986:2006

Cased belt-driven axial fans with casing opening up to 180ºC to work in explosive atmospheres

Fan:
- Sheet steel thick long casing with aluminium strip in the impeller area in accordance with Standard EN-14986:2005
- Impellers made from cast aluminium
- Belt and pulley protector with copper coating to prevent sparks
- Sealed transmission unit (IP66) with double retention system
- Airflow direction from motor to impeller

Motor:
- Class F motors, with ball bearings, IP55 protection and ATEX certification, EEx"e" explosion-proof, EEx"d" or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC.+ 120ºC.

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
EEx "n" mark: CE Ex II 3 G.
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX0132

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.
- EEx"n" version with ATEX Eexn motors

Order code

HPX/ATEX — 63 — 4T — 2 — EEx-e

- **HPX/ATEX**: Cased axial fans with external motor and ATEX certification
  EEx "e" mark: CE Ex II 2 G. EEx e
  EEx "d" mark: CE Ex II 2 G. EEx d
  EEx "n" mark: CE Ex II 3 G.
  DIP55 mark: CE Ex II 3 D. IP55
  DIP65 mark: CE Ex II 2 D. IP65
  Notified authority: L.O.M.
  ID:
  LOM3ATEX0132
- **63**: Impeller diameter (cm)
- **4T**: Number of motor poles
  2=2900 r/min. 50 Hz
  4=1400 r/min. 50 Hz
- **2**: T=Three-phase
  M=Single-phase
- **EEx-e**: Power motor (c.v)
  EEx-e: Mark:
  CE Ex II 2 G. EEx e IIBT3
  EEx "d" mark:
  CE Ex II 2 G. EEx d IIBT5
  DIP55 mark:
  CE Ex II 3 D. IP55
  DIP65 mark:
  CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HPX/ATEX-35-2T-0,75	2720	0.55	4750	77	22
HPX/ATEX-35-4T-0,33	1420	0.25	2500	60	20
HPX/ATEX-45-4T-0,33	1200	0.25	6300	69	32
HPX/ATEX-45-4T-0,50	1420	0.37	6600	70	36
HPX/ATEX-50-4T-0,75	1310	0.55	9000	70	33
HPX/ATEX-50-4T-1	1500	0.75	10800	71	34
HPX/ATEX-56-4T-0,75	1380	0.55	11300	72	36
HPX/ATEX-56-4T-1	1420	0.75	12200	73	36
HPX/ATEX-56-4T-1,5	1420	1.10	14500	75	39
HPX/ATEX-63-4T-1,5	1300	1.10	16000	74	59
HPX/ATEX-63-4T-2	1420	1.50	17500	78	63
HPX/ATEX-71-4T-1,5	1200	1.10	20300	78	74
HPX/ATEX-71-4T-2	1350	1.50	22500	79	77
HPX/ATEX-71-4T-3	1450	2.20	24000	81	85
HPX/ATEX-80-4T-3	1200	2.20	29000	83	95
HPX/ATEX-80-4T-4	1350	3.00	32000	84	100
HPX/ATEX-80-4T-5,5	1450	4.00	40500	84	106
HPX/ATEX-90-4T-5,5	1280	4.00	44000	89	118
HPX/ATEX-90-4T-7,5	1400	5.50	51000	91	132
HPX/ATEX-100-4T-10	1450	7.50	63000	93	159
HPX/ATEX-100-4 T-15	1450	11.00	68000	94	181

Acoustic features

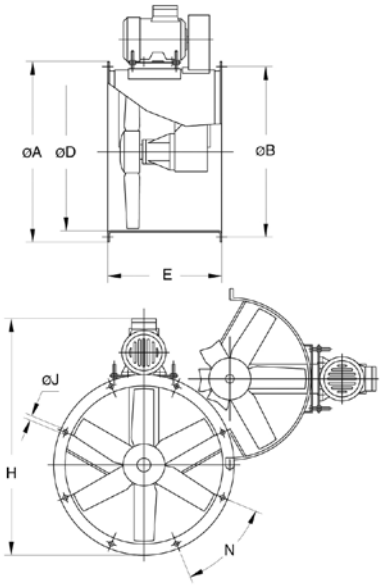
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000
35-2-0,75	48	63	82	81	82	81	76	67
35-4-0,33	31	46	65	64	65	64	59	50
45-4-0,33	40	55	74	73	74	73	68	59
45-4-0,50	41	56	75	74	75	74	69	60
50-4-0,75	44	58	77	77	78	76	72	63
50-4-1	45	59	78	78	79	77	73	64
56-4-0,75	47	67	75	80	82	79	72	61
56-4-1	48	68	76	81	83	80	73	62
56-4-1,5	57	68	78	84	85	80	69	65
63-4-1,5	51	71	79	84	86	83	76	65
63-4-2	62	73	83	89	90	85	74	70

Model	63	125	250	500	1000	2000	4000	8000
71-4-1,5	55	75	83	88	90	87	80	69
71-4-2	56	76	84	89	91	88	81	70
71-4-3	65	76	86	92	93	88	77	73
80-4-3	60	80	88	93	95	92	85	74
80-4-4	61	81	89	94	96	93	86	75
80-4-5,5	68	79	89	95	96	91	80	76
90-4-5,5	67	88	95	100	103	99	92	81
90-4-7,5	69	90	97	102	105	101	94	83
100-4-10	73	93	100	106	108	105	98	87
100-4-15	74	94	101	107	109	106	99	88

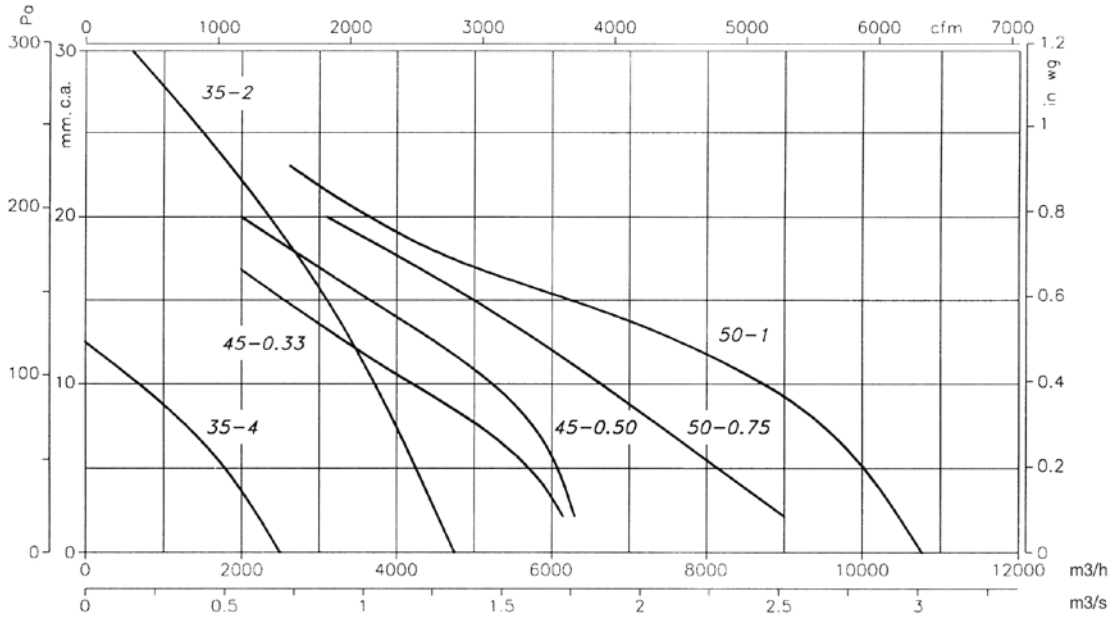
Dimensions in mm



Model	ØA	ØB	ØD	E	H	ØJ	N
HPX-35-2T-0,75	425	395	355	380	606	10	8x45°
HPX-35-4T-0,16	425	395	355	380	609	10	8x45°
HPX-45-4T-0,33	540	500	460	420	740	12	8x45°
HPX-45-4T-0,50	540	500	460	420	728	12	8x45°
HPX-50-4T-0,75	600	560	512	420	803	12	12x30°
HPX-50-4T-1	600	560	512	420	803	12	12x30°
HPX-56-4T-0,75	660	620	560	450	848	12	12x30°
HPX-56-4T-1	660	620	560	450	848	12	12x30°
HPX-56-4T-1,5	600	620	560	450	870	12	12x30°
HPX-63-4T-1,5	730	690	640	500	950	12	12x30°
HPX-63-4T-2	730	690	640	500	950	12	12x30°
HPX-71-4T-1,5	810	770	710	550	1017	12	16x22°30'
HPX-71-4T-2	810	770	710	550	1017	12	16x22°30'
HPX-71-4T-3	810	770	710	550	1035	12	16x22°30'
HPX-80-4T-3	900	860	800	600	1173	12	16x22°30'
HPX-80-4T-4	900	860	800	600	1173	12	16x22°30'
HPX-80-4T-5,5	900	860	800	600	1200	12	16x22°30'
HPX-90-4T-5,5	1015	970	900	650	1320	15	16x22°30'
HPX-90-4T-7,5	1015	970	900	650	1320	15	16x22°30'
HPX-100-4T-10	1115	1070	1000	750	1483	15	16x22°30'
HPX-100-4T-15	1115	1070	1000	750	1513	15	16x22°30'

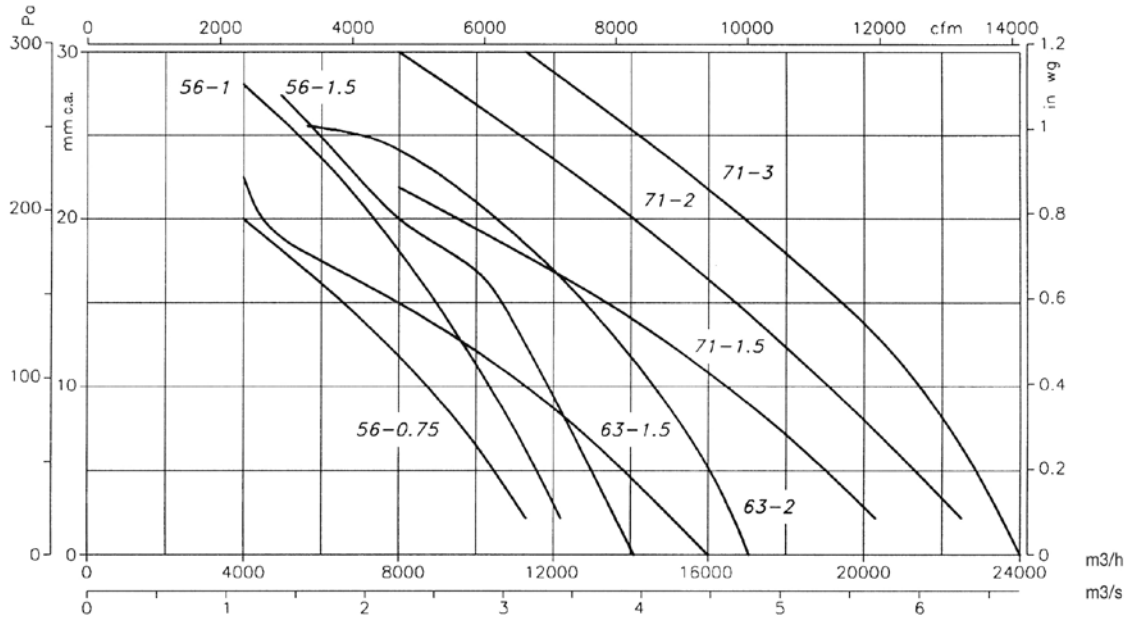
Characteristic curves

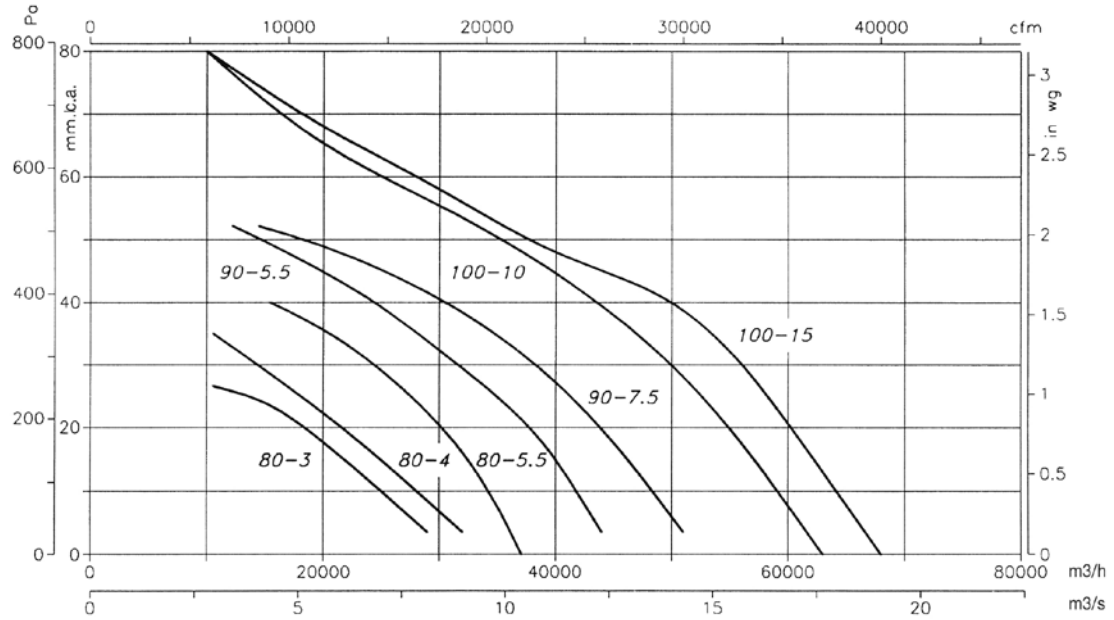
Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



Characteristic curves

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





Accessories

See accessories section.

INT AR RFT/ RFM PANELS P RT BTUB BAC PS S

CPV/ATEX

Plastic anticorrosive centrifugal fans with ATEX certification

Centrifugal single-inlet fans manufactured in ATEX anti-static plastic material to operate in explosive atmospheres with anti-explosive CEE ExII3G EEx e or anti-deflagrating CEE ExII3G EEx d motor.

EEx "e" mark: CE Ex II 3 G. EEx e
EEx "d" mark: CE Ex II 3 G. EEx d
ID:
LOM3ATEX007

Fan:
- Casing in ATEX anti-static plastic material
- Turbine with forward-facing blades, in ATEX anti-static plastic material

Motor:
- Class F motors, with ball bearings, IP55 protection and ATEX certification, EEx"e" explosion-proof, EEx"d" flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 80ºC.

Finish:
- ATEX plastic material anticorrosive

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories

Order code

CPV/ATEX — 1325 — 4T — EEx-e

Plastic anticorrosive centrifugal fans with ATEX certification

EEx "e" mark: CE Ex II 3 G. EEx e
EEx "d" mark: CE Ex II 3 G. EEx d
ID:
LOM3ATEX007

Impeller size

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz

T=Three-phase

EEx-e: Mark:
CE Ex II 3 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 3 G. EEx d IIBT5

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CPV/ATEX-815-2T	2810	1.73	1.00	0.37	950	75	14.0
CPV/ATEX-815-4T	1360	1.32	0.76	0.25	450	58	14.0
CPV/ATEX-1020-2T	2800	3.00	1.73	0.75	2000	81	19.5
CPV/ATEX-1020-4T	1360	1.32	0.76	0.25	1250	65	19.5
CPV/ATEX-1020-6T	880	1.67	0.96	0.25	750	53	19.5
CPV/ATEX-1325-2T	2850	7.97	4.60	2.20	3250	87	27.0
CPV/ATEX-1325-4T	1360	1.78	1.03	0.37	2300	69	27.0
CPV/ATEX-1325-6T	880	1.67	0.96	0.25	1400	59	27.0
CPV/ATEX-1630-4T	1420	5.98	3.45	1.50	4500	75	34.5
CPV/ATEX-1630-6T	910	2.80	1.61	0.55	2700	63	34.5

Acoustic features

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

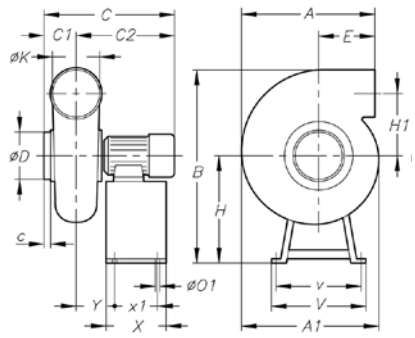
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
815-2	56	69	77	81	81	77	73	65
815-4	39	52	60	64	64	60	56	48
1020-2	62	75	83	87	87	83	79	71
1020-4	46	59	67	71	71	67	63	55
1020-6	34	47	55	59	59	55	51	43

Model	63	125	250	500	1000	2000	4000	8000
1325-2	70	83	91	95	96	92	88	79
1325-4	52	65	73	77	78	74	70	61
1325-6	42	55	63	67	68	64	60	51
1630-4	60	73	81	85	86	82	78	69
1630-6	48	61	69	73	74	70	66	57

Dimensions in mm

CPV-815...1630



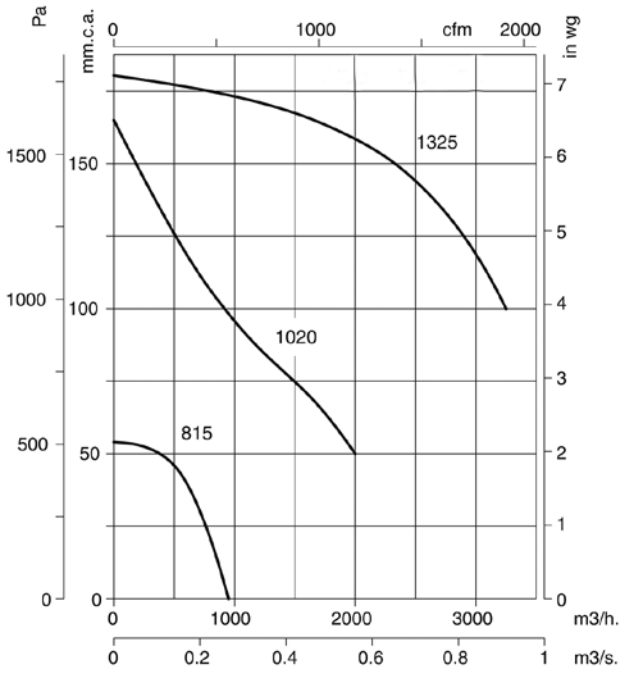
Model	A	A1	B	C	C1	C2	c	øD	E	H	H1	øK	øO1	V	v	X	x1	Y
CPV/ATEX-815	303	335	521	360	100	260	30	125	100	281	177,5	125	8	355	335	180	160	90
CPV/ATEX-1020-2T	340	397	593	445,5	116	329,5	32	160	100	290	223	160	8	355	335	180	160	127,5
CPV/ATEX-1020-4/6T	340	397	584	422,5	116	306,5	32	160	100	281	223	160	8	355	335	180	160	122,5
CPV/ATEX-1325-2T	413	505	735	494	130	364	35	200	103	370	265	200	8	400	380	180	160	125
CPV/ATEX-1325-4/6T	413	505	716	432,5	130	302,5	35	200	103	351	265	200	8	400	380	180	160	113,5
CPV/ATEX-1630-4T	490	602	890	536,5	145	391,5	35	250	117	440	323	250	8	450	430	240	220	142,5
CPV/ATEX-1630-6T	490	602	880	503	145	358	35	250	117	430	323	250	8	450	430	240	220	138

Characteristic curves

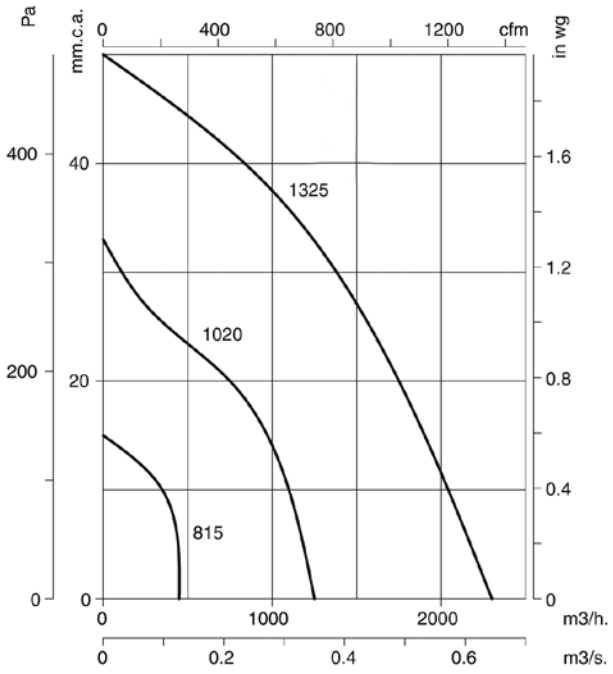
Q = Airflow in m³/h, m³/s and cfm.

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

2T=3000 r/min.



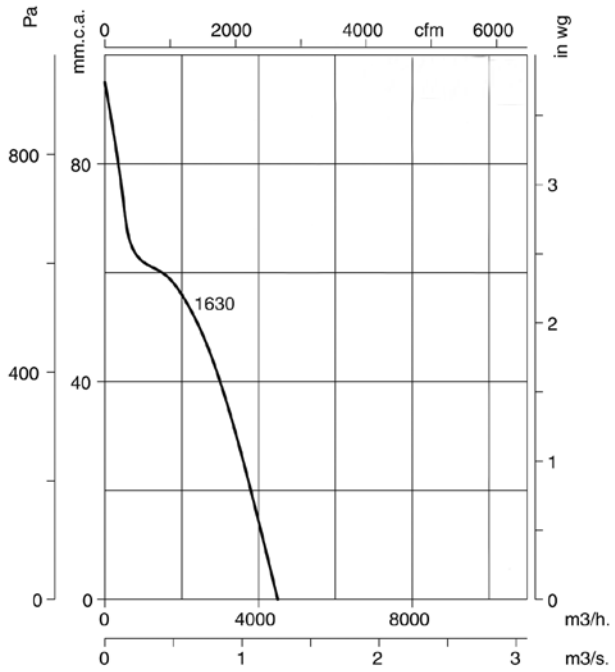
4T=1500 r/min.



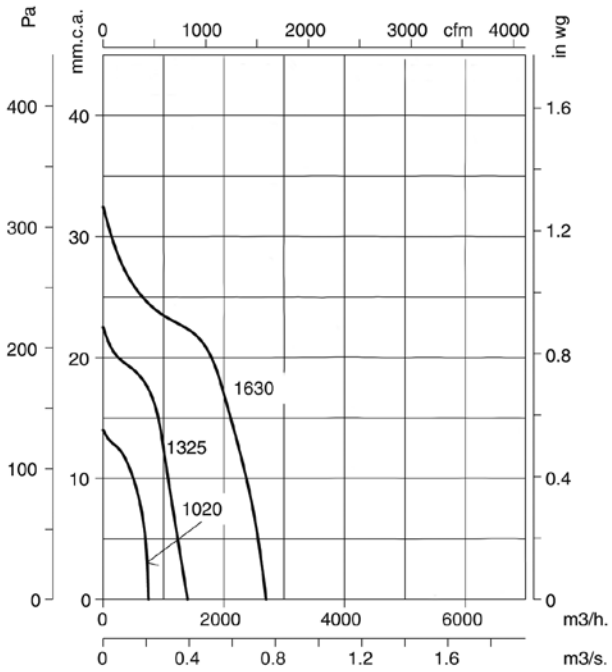
Characteristic curves

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

4T=1500 r/min.



6T=1000 r/min.



Positions

LG 90 standard supply

Accessories

See accessories section.

CMA/ATEX

Centrifugal medium-pressure fans made from cast aluminium with ATEX certification

Centrifugal single-inlet, medium-pressure fans with casing and impeller made from cast aluminium to work in explosive atmospheres.

Fan:
- Casing made from cast aluminium
- Impeller made from cast aluminium

Motor:
- Class F motors, with ball bearings, IP55 protection and ATEX certification, EEx"e" explosion-proof, EEx"d" flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 80ºC.

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX007

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories

Order code

CMA/ATEX — 531 — 4T — 2 — EEx-e

- ***CMA/ATEX***: Centrifugal medium-pressure fans made from cast aluminium with ATEX certification
  EEx "e" mark: CE Ex II 2 G. EEx e
  EEx "d" mark: CE Ex II 2 G. EEx d
  DIP55 mark: CE Ex II 3 D. IP55
  DIP65 mark: CE Ex II 2 D. IP65
  Notified authority: L.O.M.
  ID:
  LOM3ATEX007
- ***531***: Impeller size
- ***4T***: Number of motor poles 2=2900 r/min. 50 Hz
- ***2***: T=Three-phase
- ***EEx-e***: Power motor (c.v)
  EEx-e: Mark:
  CE Ex II 2 G. EEx e IIBT3
  EEx "d" mark:
  CE Ex II 2 G. EEx d IIBT5
  DIP55 mark:
  CE Ex II 3 D. IP55
  DIP65 mark:
  CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) EEx-e	EEx-d
CMA-324-2T/ATEX	2850	0.18	440	70	10	16
CMA-325-2T/ATEX	2780	0.25	600	73	12	19
CMA-426-2T/ATEX	2765	0.37	850	75	14	24
CMA-527-2T/ATEX	2800	0.55	1000	80	17	25
CMA-528-2T-1/ATEX	2780	0.75	1250	82	24	36
CMA-528-2T-1,5/ATEX	2850	1.10	1750	83	27	40
CMA-531-2T-1,5/ATEX	2880	1.10	1790	84	30	43
CMA-531-2T-2/ATEX	2850	1.50	2000	85	31	50
CMA-540-2T/ATEX	2890	1.50	2600	85	38	57
CMA-545-2T-3/ATEX	2840	2.20	2630	86	54	75
CMA-545-2T-4/ATEX	2880	3.00	3550	88	63	87

Acoustic features

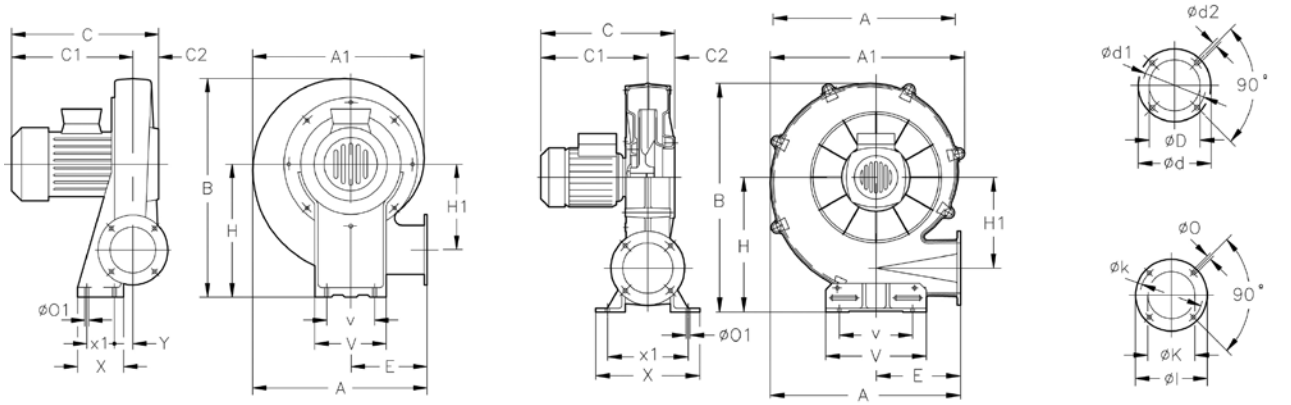
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the turbine's diameter, with a minimum of 1.5 m.

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

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMA-324-2T/ATEX	70	36	50	68	74	78	75	70	61
CMA-325-2T/ATEX	73	39	53	71	77	81	78	73	64
CMA-426-2T/ATEX	75	41	55	73	79	83	80	75	66
CMA-527-2T/ATEX	80	46	60	78	84	88	85	80	71
CMA-528-2T-1/ATEX	82	48	62	80	86	90	87	82	73
CMA-528-2T-1,5/ATEX	83	49	63	81	87	91	88	83	74

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMA-531-2T-1,5/ATEX	84	50	64	82	88	92	89	84	75
CMA-531-2T-2/ATEX	85	51	65	83	89	93	90	85	76
CMA-540-2T/ATEX	85	54	67	85	91	96	92	87	79
CMA-545-2T-3/ATEX	86	55	68	86	92	97	93	88	80
CMA-545-2T-4/ATEX	88	57	70	88	94	99	95	90	82

Dimensions in mm

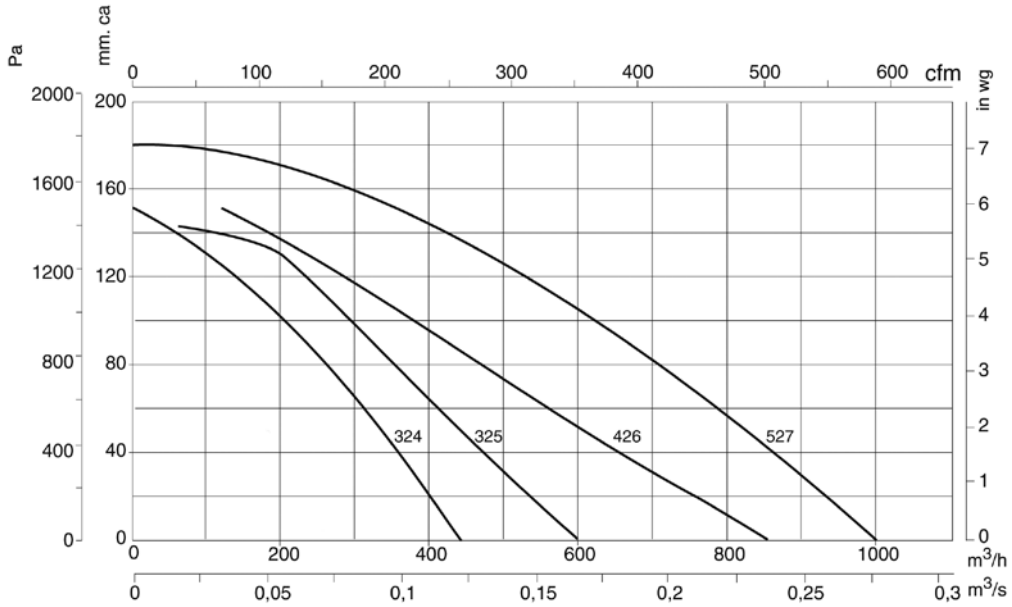


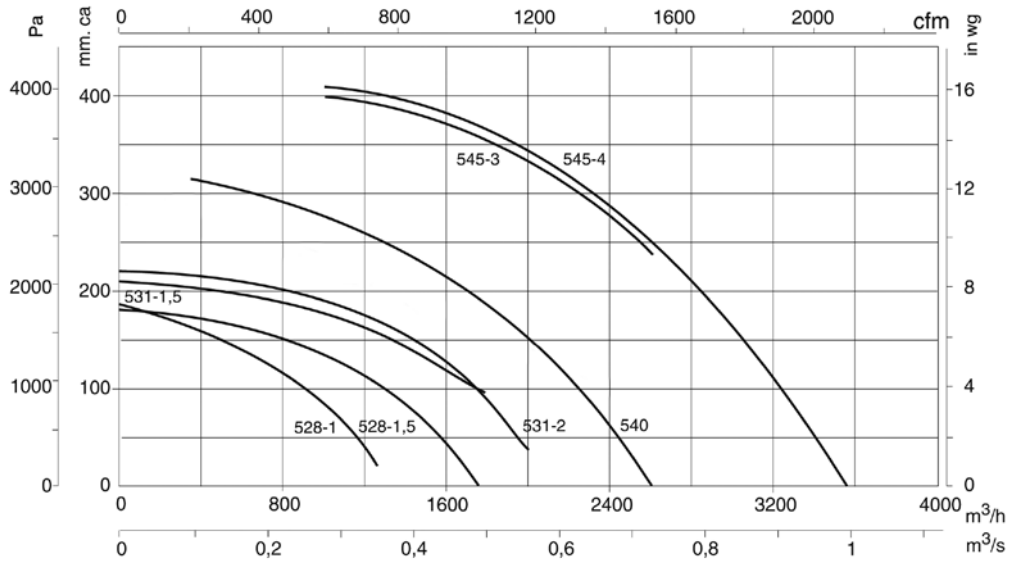
Model	A	A1	B	EEx-"e" C	EEx-"e" C1	EEx-"d" C	EEx-"d" C1	C2	øD	ød	ød1	ød2	E	H	H1	øl	øK	øk	øO	øO1	V	v	X	x1	Y
CMA-324-2T/ATEX	311	302	356	263	225	288	250	38	80	130	112	M5	145	205	145	108	62	90	7	9	173	125	90	60	20
CMA-325-2T/ATEX	335	328	399	266	226	291	251	40	94	140	122	M6	155	235	152	120	80	102	7	9	180	145	110	80	20
CMA-426-2T/ATEX	354	344	412	293	253	316	276	40	117	155	132	M6	162	240	163	140	90	119	7	13	210	160	105	65	26
CMA-527-2T/ATEX	371	361	440	297	255	320	280	42	125	170	147	M6	168	260	170	155	100	129	7	13	220	170	120	80	20
CMA-528-2T-1/ATEX	401	395	488	340	292	342	294	51	116	190	162	M6	178	290	177	190	130	160	11	13	230	180	140	100	20
CMA-528-2T-1'5/ATEX	401	395	488	339	291	337	289	48	135	190	162	M6	178	290	177	190	130	160	11	13	230	180	140	100	20
CMA-531-2T-1'5/ATEX	440	434	537	340	292	342	294	50	160	215	180	M6	193	320	200	200	140	175	11	13	240	190	160	120	21
CMA-531-2T-2/ATEX	440	434	537	338	288	392	342	50	160	215	180	M6	193	320	200	200	140	175	11	13	240	190	160	120	21

Model	A	A1	B	EEx-"e" C	EEx-"e" C1	EEx-"d" C	EEx-"d" C1	C2	øD	ød	ød1	ød2	E	H	H1	øl	øK	øk	øO	øO1	V	v	X	x1	Y
CMA-540-2T/ATEX	567	580	695	365	285	419	339	80	170	240	205	M10	252	415	270	220	150	190	13	11	336	218	374	240	-
CMA-545-2T-3/ATEX	651	646	776	438	323	467	352	115	180	255	220	M10	290	450	309	250	175	220	13	13	336	238	392	292	-
CMA-545-2T-4/ATEX	651	646	776	461	346	511	396	115	180	255	220	M10	290	450	309	250	175	220	13	13	336	238	392	292	-

Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.





Accessories

See accessories section.

CMP/ATEX

Centrifugal medium-pressure fitted with multi-blade impeller with ATEX certification

EEx “e” mark: CE Ex **II 2 G. EEx e**
EEx “d” mark: CE Ex **II 2 G. EEx d**
Notified authority: L.O.M.
DIP55 mark: CE Ex **II 3 D. IP55**
DIP65 mark: CE Ex **II 2 D. IP65**
ID:
LOM4ATEX007

ATEX version on request made from stainless steel

Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller to work in explosive atmospheres.

Fan:
- Steel sheet casing
- Impeller with forward-facing blades made from galvanised sheet steel
- Anti-spark aspiration ring in copper or aluminium

Motor:
- Class F motors, with ball bearings, IP55 protection and ATEX certification, EEx”e” explosion-proof, EEx”d” flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 80ºC.

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Made from stainless steel

Order code

CMP/ATEX — 1128 — 2T — 5,5 — EEx-e

Centrifugal medium-pressure fans fitted with multi-blade impeller with ATEX certification
EEx “e” mark: CE Ex **II 2 G. EEx e**
EEx “d” mark: CE Ex **II 2 G. EEx d**
DIP55 mark: CE Ex **II 3 D. IP55**
DIP65 mark: CE Ex **II 2 D. IP65**
Notified authority: L.O.M.
ID: LOM4ATEX007

Impeller size

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz

T=Three-phase

Installed motor (c.v)

EEx-e: Mark:
CE Ex II 2 G. EEx e IIBT3
EEx “d” mark:
CE Ex II 2 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) EEx-e	EEx-d
CMP-616-2T/ATEX	2740	0.55	1380	69	9	19
CMP-616-4T/ATEX	1400	0.10	850	61	9	16
CMP-620-2T/ATEX	2740	0.37	765	68	11	21
CMP-620-4T/ATEX	1375	0.10	810	61	9	16
CMP-718-2T/ATEX	2855	0.75	1485	70	14	26
CMP-718-4T/ATEX	1410	0.25	1280	63	11	20
CMP-820-2T/ATEX	2845	1.10	1950	73	18	31
CMP-820-4T/ATEX	1350	0.25	1670	66	12	21
CMP-922-2T-1,5/ATEX	2845	1.10	1650	70	23	36
CMP-922-2T-2/ATEX	2860	1.50	2010	71	24	43
CMP-922-2T-3/ATEX	2880	2.20	2600	74	27	48
CMP-922-4T/ATEX	1395	0.55	2450	66	20	34
CMP-1025-2T-3/ATEX	2880	2.20	2100	73	29	50
CMP-1025-2T-4/ATEX	2895	3.00	2830	77	34	58
CMP-1025-4T/ATEX	1410	1.10	3400	70	27	46
CMP-1128-2T-4/ATEX	2895	3.00	2220	77	37	61
CMP-1128-2T-5,5/ATEX	2900	4.00	3210	81	41	62
CMP-1128-4T/ATEX	1420	2.20	5000	74	37	60
CMP-1231-4T-3/ATEX	1420	2.20	4740	73	46	69
CMP-1231-4T-4/ATEX	1420	3.00	5910	75	49	72
CMP-1231-4T-5,5/ATEX	1440	4.00	6850	77	53	77
CMP-1435-4T-4/ATEX	1420	3.00	5560	76	54	77
CMP-1435-4T-5,5/ATEX	1440	4.00	6260	78	61	85

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) EEx-e	EEx-d
CMP-1435-4T-7,5/ATEX	1455	5.50	7210	80	74	113
CMP-1640-4T-5,5/ATEX	1440	4.00	7500	77	79	103
CMP-1640-4T-7,5/ATEX	1455	5.50	8035	80	92	131
CMP-1640-4T-10/ATEX	1455	7.50	9710	82	100	134
CMP-1845-4T-7,5/ATEX	1455	5.50	8965	82	94	133
CMP-1845-4T-10/ATEX	1455	7.50	10350	85	102	136
CMP-2050-4T-10/ATEX	1455	7.50	9000	83	135	169
CMP-2050-4T-15/ATEX	1460	11.00	12525	87	162	259
CMP-2050-4T-20/ATEX	1455	15.00	19000	89	181	282

Acoustic features

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

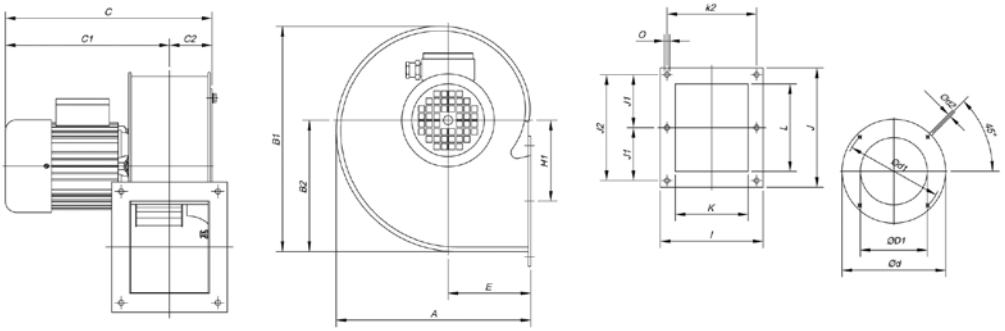
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMP-616-2T/ATEX	69	44	54	65	72	76	73	71	64
CMP-616-4T/ATEX	61	36	46	57	64	68	65	63	56
CMP-620-2T/ATEX	68	43	53	64	71	75	72	70	63
CMP-620-4T/ATEX	61	36	46	57	64	68	65	63	56
CMP-718-2T/ATEX	70	45	55	66	73	77	74	72	65
CMP-718-4T/ATEX	63	38	48	59	66	70	67	65	58
CMP-820-2T/ATEX	73	48	58	69	76	80	77	75	68
CMP-820-4T/ATEX	66	41	51	62	69	73	70	68	61
CMP-922-2T-1,5/ATEX	70	45	55	66	73	77	74	72	65
CMP-922-2T-2/ATEX	71	46	56	67	74	78	75	73	66
CMP-922-2T-3/ATEX	74	49	59	70	77	81	78	76	69
CMP-922-4T/ATEX	66	41	51	62	69	73	70	68	61
CMP-1025-2T-3/ATEX	73	48	58	69	76	80	77	75	68
CMP-1025-2T-4/ATEX	77	52	62	73	80	84	81	79	72
CMP-1025-4T/ATEX	70	45	55	66	73	77	74	72	65
CMP-1128-2T-4/ATEX	77	52	62	73	80	84	81	79	72

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMP-1128-2T-5,5/ATEX	81	56	66	77	84	88	85	83	76
CMP-1128-4T/ATEX	74	49	59	70	77	81	78	76	69
CMP-1231-4T-3/ATEX	73	51	60	71	78	82	80	78	71
CMP-1231-4T-4/ATEX	75	53	62	73	80	84	82	80	73
CMP-1231-4T-5,5/ATEX	77	55	64	75	82	86	84	82	75
CMP-1435-4T-4/ATEX	76	54	63	74	81	85	83	81	74
CMP-1435-4T-5,5/ATEX	78	56	65	76	83	87	85	83	76
CMP-1435-4T-7,5/ATEX	80	58	67	78	85	89	87	85	78
CMP-1640-4T-5,5/ATEX	77	55	64	75	82	86	84	82	75
CMP-1640-4T-7,5/ATEX	80	58	67	78	85	89	87	85	78
CMP-1640-4T-10/ATEX	82	60	69	80	87	91	89	87	80
CMP-1845-4T-7,5/ATEX	82	61	71	82	89	93	91	89	81
CMP-1845-4T-10/ATEX	85	64	74	85	92	96	94	92	84
CMP-2050-4T-10/ATEX	83	62	72	83	90	94	92	90	82
CMP-2050-4T-15/ATEX	87	66	76	87	94	98	96	94	86
CMP-2050-4T-20/ATEX	89	68	78	89	96	100	98	96	88

Dimensions in mm

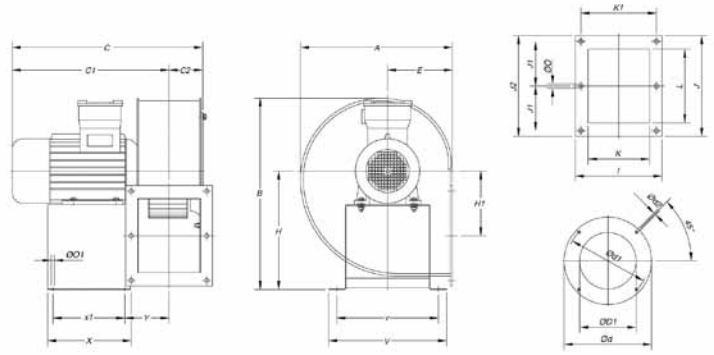
CMP-616..0,820



Model	A	B1	B2	C	C1	C2	øD1	ød	ød1	ød2	E	H1	I	J	J1	J2	K	k2	L	øO
CMP-616-2T/ATEX	258	297	173.5	375	318	56	160	204	180	M.6	110	105.5	153	172	-	147	103	128	125	7
CMP-616-4T/ATEX	258	297	173.5	345	288	56	160	204	180	M.6	110	105.5	153	172	-	147	103	128	125	7
CMP-620-2T/ATEX	298	347	202.5	376	320	56	200	247	230	M.6	126	145.5	159	153	-	128	105	134	100	8
CMP-620-4T/ATEX	298	347	202.5	345	290	56	200	247	230	M.6	126	145.5	159	153	-	128	105	134	100	8
CMP-718-2T/ATEX	303.5	348	201	396	335	64	180	238	210	M.6	129.5	122	169	192	85	170	115	145	146	9
CMP-718-4T/ATEX	303.5	348	201	385	324	64	180	238	210	M.6	129.5	122	169	192	85	170	115	145	146	9
CMP-820-2T/ATEX	322	377	223	411	343	68	200	247	230	M.6	137.5	137	184	213	94.5	189	130	160	156	9
CMP-820-4T/ATEX	322	377	223	400	332	68	200	247	230	M.6	137.5	137	184	213	94.5	189	130	160	156	9

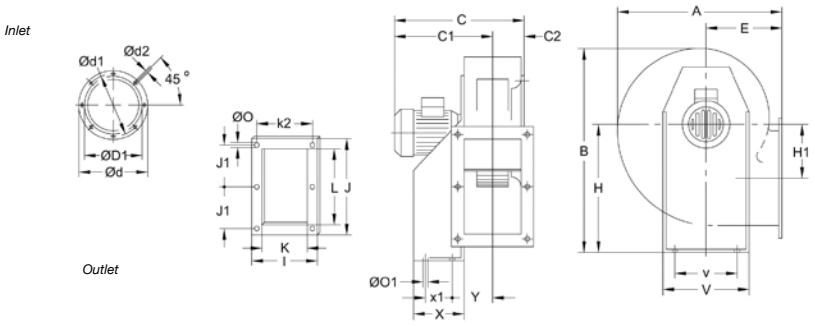
Dimensions in mm

CMP-616..0,820



Model	A	B	C	C1	C2	øD1	ød	ød1	ød2	E	H	H1	I	J	J1	J2	K	k1	L	øO	øO1	V	v	X	x1	Y
CMP (EEx-d)-616-2T	258	400	376	318.5	57.5	160	204	180	M.6	109.5	251	107	153	172	-	147	103	128	125	7	9	250	215	175	145	83.5
CMP (EEx-d)-616-4T	258	380	346	288.5	57.5	160	204	180	M.6	109.5	243	107	153	172	-	147	103	128	125	7	9	250	215	175	145	78.5
CMP (EEx-d)-620-2T	298	400	376	320	56	200	247	230	M.6	126	251	145.5	159	153	-	128	105	134	100	8	9	250	215	175	145	84.5
CMP (EEx-d)-620-4T	298	388	346	290	56	200	247	230	M.6	126	243	145.5	159	153	-	128	105	134	100	9	9	250	215	175	145	79.5
CMP (EEx-d)-718-2T	303.5	440	396	335	61	180	238	210	M.6	129.5	260	122	169	192	85	170	115	145	146	9	9	250	215	175	145	94.5
CMP (EEx-d)-718-4T	303.5	400	386	325	61	180	238	210	M.6	129.5	251	122	169	192	85	170	115	145	146	9	9	250	215	175	145	94.5
CMP (EEx-d)-820-2T	322	440	415	343.5	71.5	200	247	230	M.6	137.5	260	137	184	213	94.5	189	130	160	156	9	9	250	215	175	145	102
CMP (EEx-d)-820-4T	322	405	403	331.5	71.5	200	247	230	M.6	137.5	251	137	184	213	94.5	189	130	160	156	9	9	250	215	175	145	97

CMP-922..0,1231

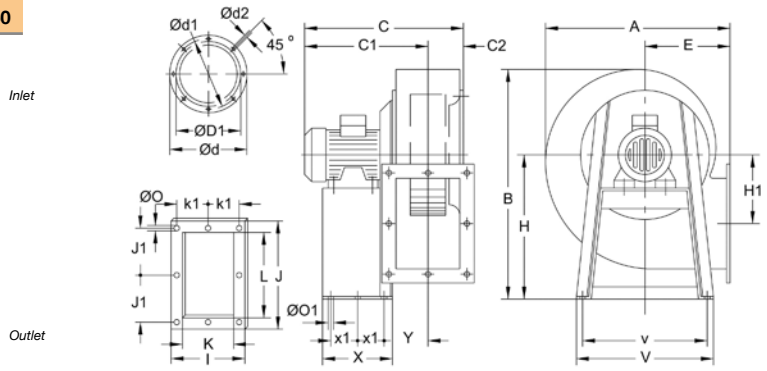


Model	A	B	EEx-"e" C	EEx-"e" C1	EEx-"d" C	EEx-"d" C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	x1	Y
CMP-922-2T-1.5/ATEX	388.5	455	382	309	424	351	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-922-2T-2/ATEX	388.5	455	423.5	350	430.5	357	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-922-2T-3/ATEX	388.5	455	423.5	350	430.5	357	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-922-4T/ATEX	388.5	455	382.5	309	424	351	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-1025-2T-3/ATEX	427	503	456	370	466	380	86	250	305	282	M.8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP-1025-2T-4/ATEX	427	503	486	400	516	430	86	250	305	282	M.8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP-1025-4T/ATEX	427	503	456	370	466	380	86	250	305	282	M.8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP-1128-2T-4/ATEX	472	553	493.5	400	532.5	434	93.5	280	348	320	M.8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMP-1128-2T-5,5/ATEX	472	553	553.5	451	553.5	451	93.5	280	348	320	M.8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMP-1128-4T/ATEX	472	553	493.5	400	532.5	434	93.5	280	348	320	M.8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMP-1231-4T-3/ATEX	526	630	520.5	417	547.5	444	103.5	315	382	354	M.8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMP-1231-4T-4/ATEX	526	630	520.5	417	457.5	444	103.5	315	382	354	M.8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMP-1231-4T-5,5/ATEX	526	630	543.5	440	576.5	434	103.5	315	382	354	M.8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126

* Recommended nominal diameter for duct.

Dimensions in mm

CMP-1435...2050



Model	A	B	EEx-"e" C	EEx-"e" C1	EEx-"d" C	EEx-"d" C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k1	L	øO	øO1	V	v	X	x1	Y
CMP-1435-4T-4/ATEX	573.5	715	527	409	577	459	118	355	422	394	M.8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMP-1435-4T-5,5/ATEX	573.5	715	572	545	597	479	118	355	422	394	M.8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMP-1435-4T-7,5/ATEX	573.5	715	610	492	670	552	118	355	422	394	M.8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMP-1640-4T-5,5/ATEX	634	799	596	465	621	491	130	400	464	438	M.8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMP-1640-4T-7,5/ATEX	634	799	634	504	693	563	130	400	464	438	M.8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMP-1640-4T-10/ATEX	634	799	634	504	693	563	130	400	464	438	M.8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMP-1845-4T-7,5/ATEX	711	901	668	521	727	580	147	450	515	485	M.8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMP-1845-4T-10/ATEX	711	901	668	521	727	580	147	450	515	485	M.8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMP-2050-4T-10/ATEX	797	987	700.5	538	759	596.5	162.5	500	565	535	M.10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMP-2050-4T-15/ATEX	797	987	818.5	656	923.5	764.5	162.5	500	565	535	M.10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMP-2050-4T-20/ATEX	797	987	859.5	697	923.5	764.5	162.5	500	565	535	M.10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196

* Recommended nominal diameter for duct.

Characteristic curves

See page 91

Positions

LG 270 standard supply
LG 180 and RD 180 positions on request and with special fixing measures.

Accessories

See accessories section.

CMP/AL
CJMP/AL

CMP/AL: Aluminium spark-proof fans certified according to standard UNE 60-601-2006 and the requirements of natural gas boiler rooms
CJMP/AL: Aluminium spark-proof ventilation units certified according to standard UNE 60-601-2006 and the requirements of natural gas boiler rooms

Made from spark-proof

Dynamically-balanced aluminium coils with highly robust centres

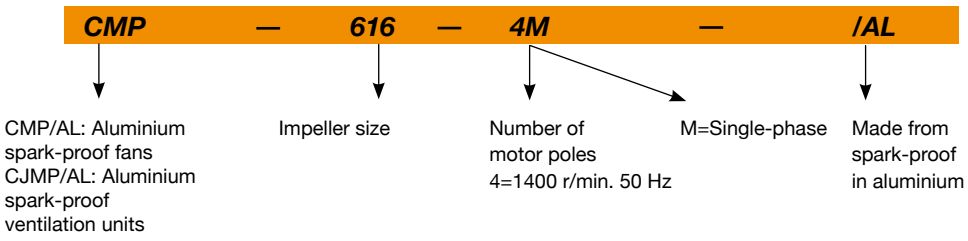
Fan:
- Impeller with forward-facing blades made from aluminium sheet
- CMP/AL: Casing made from aluminium sheet
- CJMP/AL: Galvanized sheet steel structure.

Motor:
- Class F motors with ball bearings, IP55 protection
- Single-phase 230V.-50Hz.
- Max. air temperature to transport: -20ºC.+ 120ºC.

Finish:
- CMP/AL: Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.
- CJMP/AL: Anticorrosive galvanized sheet steel.

On request:
- Special windings for different voltages
- ATEX certification, Category 2

Order code

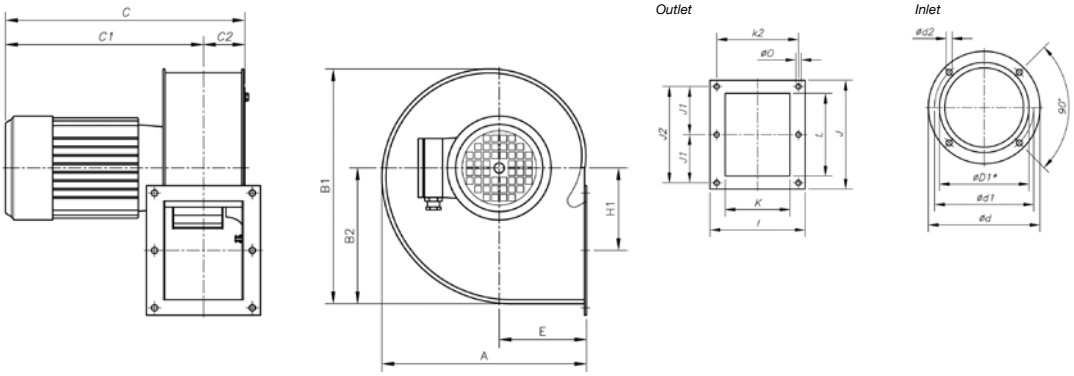


Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	Installed power (kW)	Maximum airflow (m^3/h)	Sound level dB(A)	Approx. weight (Kg)
CMP-512-4M/AL	1440	0.60	0.05	275	55	3.5
CMP-514-4M/AL	1440	0.60	0.08	660	58	4.5
CMP-616-4M/AL	1400	0.72	0.10	1000	61	7.5
CMP-820-4M/AL	1400	2.00	0.25	2100	66	10.0
CJMP-512-4M/AL	1440	0.60	0.05	275	50	8.5
CJMP-514-4M/AL	1440	0.60	0.08	660	54	10.5
CJMP-616-4M/AL	1400	0.72	0.10	1000	57	14.5
CJMP-820-4M/AL	1400	2.00	0.25	2100	60	18.0

Dimensions in mm

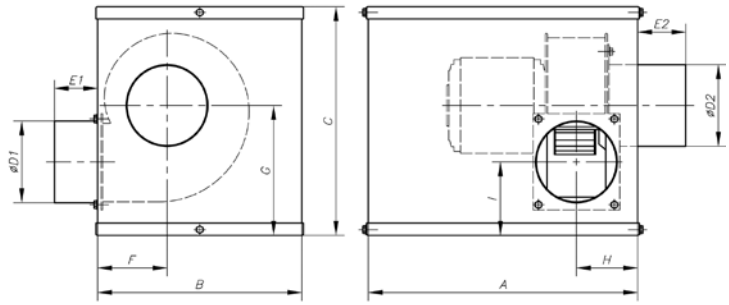
CMP/AL-512...820



Model	A	B1	B2	C	C1	C2	øD1*	ød	ød1	ød2	E	H1	I	J	J1	J2	K	k2	L	ø0
CMP-512-4M/AL	182	207	118	197.5	159	38.5	112	140	132	M4	81	69	106	118	-	105	72	93	86	5.5
CMP-514-4M/AL	225	254	150	210	165	45	140	169	151.5	M4	100	91	122	147	64	128	83	105	107	9.5
CMP-616-4M/AL	258	297	173.5	270	214	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CMP-820-4M/AL	322	377	223	345.5	277	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	130	160	156	9

* Recommended nominal diameter for duct.

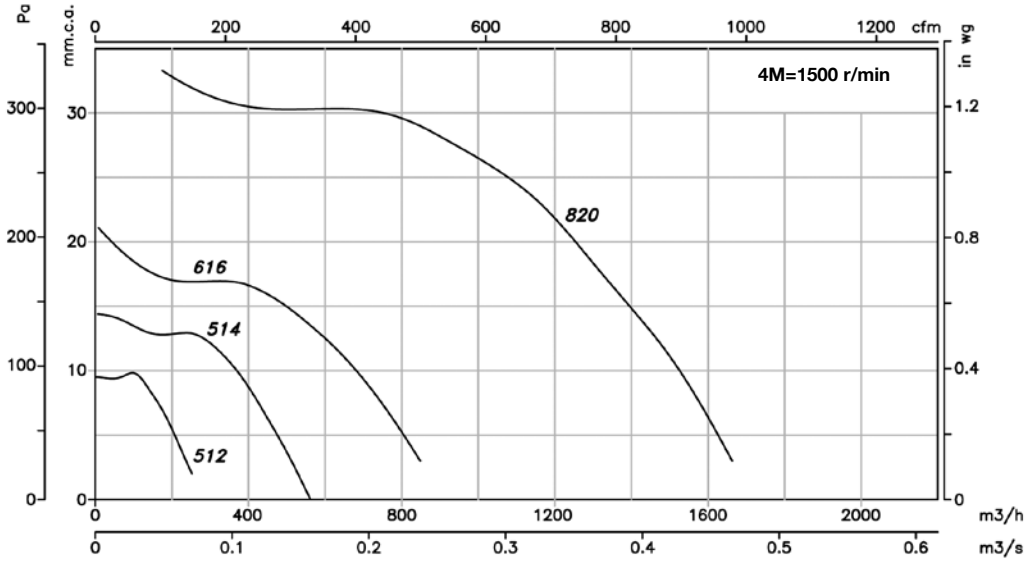
CJMP/AL-512...820



Model	A	B	C	øD1	øD2	E1	E2	F	G	H	I
CJMP/AL-512	330	250	280	100	100	53	59	85	159	75	90
CJMP/AL-514	330	270	320	125	125	53	58	104	190	82	100
CJMP/AL-616	370	300	370	135	135	53	52	114	217	100	110
CJMP/AL-820	450	400	450	135	195	53	51	142	267	112	130

Characteristic Curves

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



CMR/ATEX

Robust centrifugal medium-pressure fans fitted with backwards-curved impeller with ATEX certification

Robust centrifugal single-inlet, medium-pressure fans to work in explosive atmospheres.

Fan:
- Steel sheet casing
- Impeller with backward-curved blades made from robust sheet steel
- Anti-spark aspiration ring in copper or aluminium

Motor:
- Class F motors, with ball bearings, IP55 protection and ATEX certification, EEx"e" explosion-proof, EEx"d" flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 80ºC.

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX147

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Made from stainless steel

Order code

CMR/ATEX — 1650 — 2T — 5,5 — DIP65

Robust centrifugal medium-pressure fans, fitted with backward-curved impeller with ATEX certification
EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID: LOM3ATEX147

Impeller size

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz

T=Three-phase

Power motor (c.v)

EEx-e: Mark:
CE Ex II 2 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 2 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) EEx-e	EEx-d
CMR-1240-4T/ATEX	1455	0.75	5800	71	70	84
CMR-1445-2T/ATEX	2915	7.50	16500	87	141	163
CMR-1445-4T/ATEX	1460	1.10	8030	72	93	112
CMR-1650-2T/ATEX	2910	11.00	18850	89	178	258
CMR-1650-4T/ATEX	1440	1.50	10500	74	114	134
CMR-1650-6T/ATEX	970	0.75	7410	64	111	130
CMR-1856-4T/ATEX	1455	3.00	15150	79	152	175
CMR-1856-6T/ATEX	965	1.10	10050	70	145	166
CMR-2063-4T/ATEX	1460	5.50	24450	80	225	264
CMR-2063-6T/ATEX	935	1.50	16100	71	209	233
CMR-2271-4T/ATEX	1465	11.00	34610	85	315	412
CMR-2271-6T/ATEX	950	3.00	22750	76	280	320
CMR-2380-4T/ATEX	1400	22.00	48000	83	416	495
CMR-2380-6T/ATEX	900	7.50	30000	75	363	441

Acoustic features

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

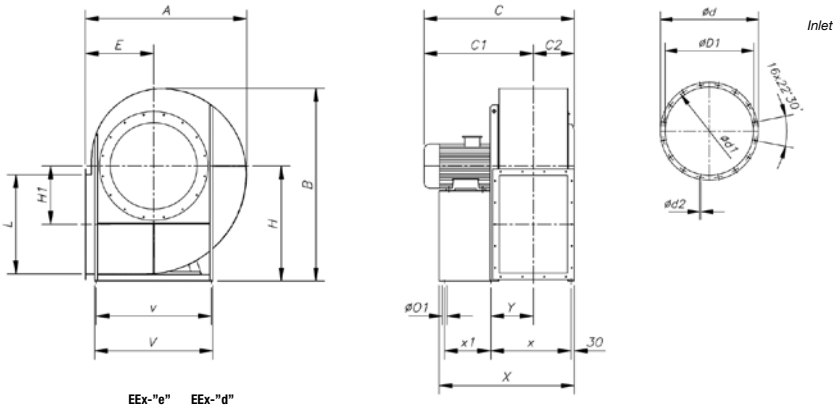
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMR-1240-4T/ATEX	71	56	70	76	79	79	80	70	59
CMR-1445-2T/ATEX	87	73	85	83	95	93	97	99	89
CMR-1445-4T/ATEX	72	59	72	78	83	80	83	78	64
CMR-1650-2T/ATEX	89	73	81	85	99	97	99	99	88
CMR-1650-4T/ATEX	74	64	74	82	84	83	85	76	66
CMR-1650-6T/ATEX	64	53	65	72	77	73	69	62	54
CMR-1856-4T/ATEX	79	69	78	91	87	90	91	85	71

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMR-1856-6T/ATEX	70	61	69	81	83	80	81	71	60
CMR-2063-4T/ATEX	80	80	85	91	93	91	88	81	73
CMR-2063-6T/ATEX	71	69	70	82	82	81	83	73	63
CMR-2271-4T/ATEX	85	83	84	93	96	98	99	95	82
CMR-2271-6T/ATEX	76	73	73	87	86	90	90	79	68
CMR-2380-4T/ATEX	83	76	78	94	91	96	97	93	82
CMR-2380-6T/ATEX	75	68	70	86	83	88	89	85	74

Dimensions in mm

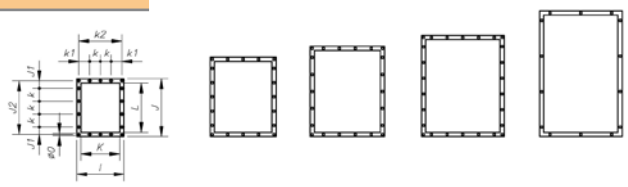
CMR-1240..0,2271



Model	A	B	C EEx-"e"	C EEx-"d"	ØD1*	Ød	Ød1	Ød2	E	F	G	H	I	K	k2	L	M	N	Ø01	P	Q	R
CMR-1240-4T/ATEX	673	790	596	638	400	472	444	M.10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CMR-1445-2T/ATEX	765	880	774	857	450	522	494	M.10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CMR-1445-4T/ATEX	765	880	679	687	450	522	494	M.10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CMR-1650-2T/ATEX	832	970	945.5	1018	500	582	555	M.10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CMR-1650-4T/ATEX	832	970	724.5	724.5	500	582	555	M.10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CMR-1650-6T/ATEX	832	970	724.5	724.5	500	582	555	M.10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CMR-1856-4T/ATEX	925	1084	798	889	560	645	615	M.10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CMR-1856-6T/ATEX	925	1084	780.5	809	560	645	615	M.10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CMR-2063-4T/ATEX	1037	1218	937	1020	630	720	688	M.10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CMR-2063-6T/ATEX	1037	1218	839	930	630	720	688	M.10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CMR-2271-4T/ATEX	1173	1375	1129	1201	710	800	768	M.12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32.5
CMR-2271-6T/ATEX	1173	1375	973	1056	710	800	768	M.12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32.5

* Recommended nominal diameter for duct.

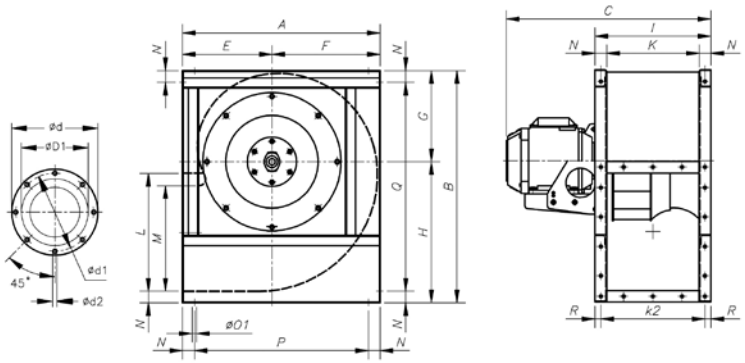
CMR-1240...2380



Model	I	J	J1	J2	K	k	k1	k2	L	ØO
CMR-1240	395	480	70	440	315	100	77,5	355	400	11
CMR-1445	445	540	99	498	355	100	102,5	405	450	11
CMR-1650	490	590	87,5	550	400	125	100	450	500	13
CMR-1856	550	660	55	610	450	125	125	500	560	13
CMR-2063	620	750	95	690	500	125	92,5	560	630	13
CMR-2271	690	840	75	775	560	125	62,5	625	710	13
CMR-2380	680	920	160	871	560	200	140	639	800	14

CMR-2380

Inlet

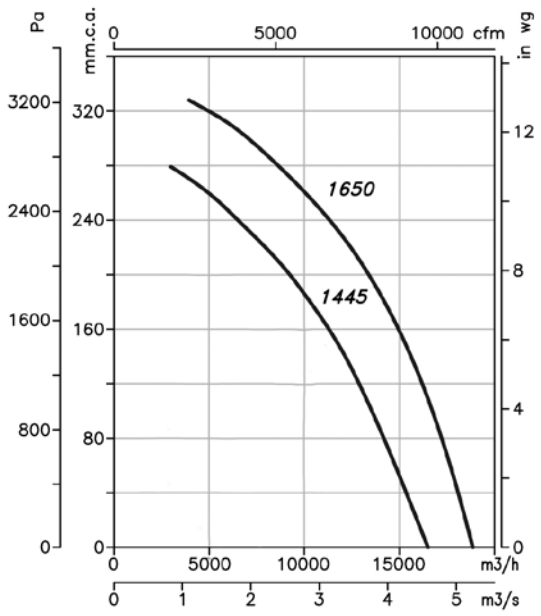


Model	A	B	C	C1	C	C1	C2	ØD1*	Ød	Ød1	Ød2	E	H	H1	L	Ø01	V	v	X	x	x1	Y
CMR-2380-4T/ATEX	1350	1660	1019	733	1063	777	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CMR-2380-6T/ATEX	1350	1660	590	304	716	430	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	340	352.5

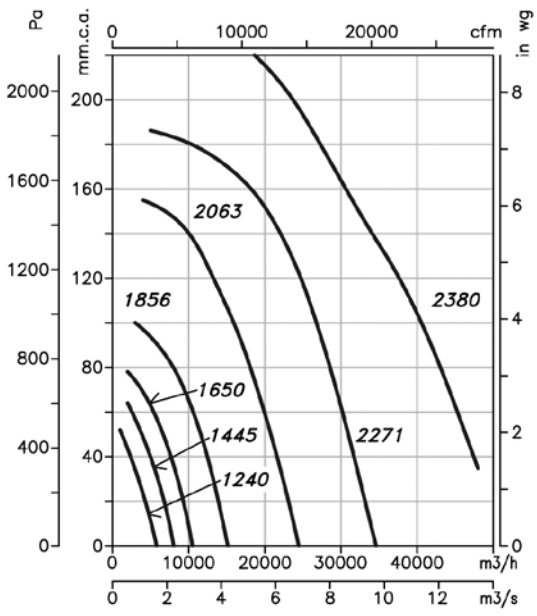
Characteristic Curves

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

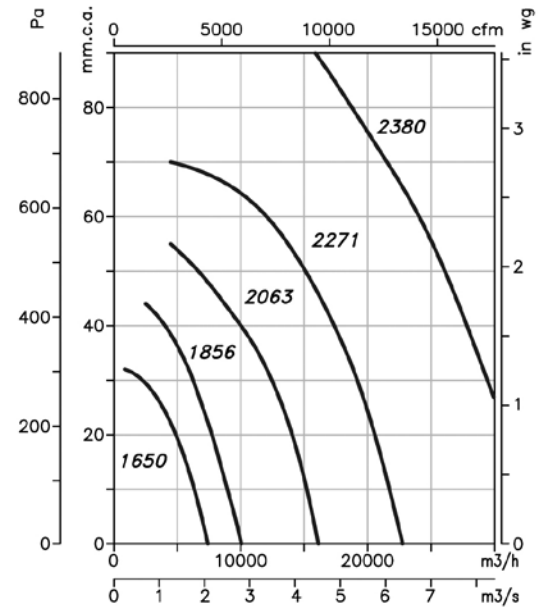
2T=3000 r/min



4T=1500 r/min



6T=1000 r/min



Positions

LG 270 standard supply

LG 0 | LG 90 | LG 180 | LG 270 | RD 0 | RD 90 | RD 180 | RD 270

Accessories

See accessories section.

INT | AR | RFT/ RFM | PANELS | RPA | B | BIC | ACE/ATEX | CJACUS | REG | S

CAS/ATEX

Centrifugal single-inlet, high-pressure fans with ATEX certification

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM4ATEX007

Centrifugal high-pressure fans with ATEX certification and CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant motor, to work in explosive atmospheres.

Fan:
- Steel sheet casing
- Impeller with backward-facing blades made from galvanised sheet steel, except models 242-248-254-260-640-645-650 which have a cast aluminium impeller.
- Anti-spark aspiration ring in copper or aluminium

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C.+ 80°C.

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190°C, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.

Order code

CAS/ATEX — 467 — 2T — 7,5 — DIP65

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID: LOM4ATEX007

- CAS/ATEX: Centrifugal single-inlet, high-pressure fans with ATEX certification
- 467: Impeller size
- 2T: Number of motor poles 2=2900 r/min. 50 Hz
- T=Three-phase
- 7,5: Power motor (c.v.)
- DIP65: EEx-e: Mark: CE Ex II 2 G. EEx e IIBT3; EEx "d" mark: CE Ex II 2 G. EEx d IIBT5; DIP55 mark: CE Ex II 3 D. IP55; DIP65 mark: CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CAS/ATEX-242-2T-0,33	2830	1.39	0.80		0.25	450	73	30.0
CAS/ATEX-242-2T-0,5	2740	1.92	1.11		0.37	650	73	31.0
CAS/ATEX-248-2T-0,75	2800	2.42	1.40		0.55	420	74	43.5
CAS/ATEX-248-2T-1	2855	3.00	1.73		0.75	500	75	45.0
CAS/ATEX-248-2T-1,5	2845	4.16	2.40		1.10	990	76	46.5
CAS/ATEX-254-2T-1,5	2845	4.16	2.40		1.10	600	76	56.5
CAS/ATEX-254-2T-2	2860	5.63	3.25		1.50	800	78	61.5
CAS/ATEX-254-2T-3	2880	7.97	4.60		2.20	1300	80	63.0
CAS/ATEX-260-2T-2	2860	5.63	3.25		1.50	500	77	75.0
CAS/ATEX-260-2T-3	2880	7.97	4.60		2.20	900	79	78.0
CAS/ATEX-463-2T-5,5	2900	13.34	7.70		4.00	1150	82	88.5
CAS/ATEX-463-2T-7,5	2855		10.50	6.10	5.50	2000	83	95.5
CAS/ATEX-467-2T-7,5	2855		10.50	6.10	5.50	1550	84	117.5
CAS/ATEX-467-2T-10	2855		13.90	8.00	7.50	2600	85	122.5
CAS/ATEX-571-2T-10	2855		13.90	8.00	7.50	2000	86	144.0
CAS/ATEX-571-2T-15	2930		20.00	11.50	11.00	3450	87	175.0
CAS/ATEX-640-2T-2	2860	5.63	3.25		1.50	2600	77	51.5
CAS/ATEX-645-2T-3	2880	7.97	4.60		2.20	2000	76	62.5
CAS/ATEX-645-2T-4	2895	10.57	6.10		3.00	3000	81	69.5
CAS/ATEX-650-2T-5,5	2900	13.34	7.70		4.00	3500	81	89.0
CAS/ATEX-650-2T-7,5	2855		10.50	6.10	5.50	4750	83	96.0
CAS/ATEX-852-2T-7,5	2855		10.50	6.10	5.50	3500	81	96.0
CAS/ATEX-852-2T-10	2855		13.90	8.00	7.50	5500	85	101.0
CAS/ATEX-856-2T-15	2930		20.00	11.50	11.00	7500	85	157.5
CAS/ATEX-863-2T-15	2930		20.00	11.50	11.00	4000	84	168.0
CAS/ATEX-863-2T-20	2920		26.50	15.30	15.00	7000	86	179.0
CAS/ATEX-971-2T-25	2920		32.00	18.50	18.50	5800	87	299.0
CAS/ATEX-971-2T-30	2930		39.00	22.50	22.00	8100	88	324.0
CAS/ATEX-971-2T-40	2955		53.00	30.60	30.00	12000	89	380.0
CAS/ATEX-1250-2T-15/A	2930		20.00	11.50	11.00	12000	84	220.0

Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power	Maximum airflow	Sound pressure sound	Approx. weight
	(r/min)	230V	400V	690V	(kW)	(m³/h)	dB(A)	(Kg)
CAS/ATEX-1456-2T-25/A	2920		32.00	18.50	18.50	18000	87	286.0
CAS/ATEX-1663-2T-50/A	2950		64.00	37.00	37.00	25000	92	425.0
CAS/ATEX-1671-2T-60/A	2940		80.00	46.20	45.00	27000	93	575.0
CAS/ATEX-2071-2T-100/A	2970		127.00	73.30	75.00	33600	95	750.0
CAS/ATEX-2080-2T-125/A	2970		152.00	87.80	90.00	42600	96	820.0
CAS/ATEX-680-2T-12,5	2825		16.60	9.60	9.20	1320	86	160.0
CAS/ATEX-790-2T-20	2920		26.50	15.30	15.00	2100	88	245.0
CAS/ATEX-980-2T-30	2930		39.00	22.50	22.00	4800	87	340.0
CAS/ATEX-990-2T-50	2950		64.00	37.00	37.00	6000	90	485.0
CAS/ATEX-1080-2T-40	2955		53.00	30.60	30.00	5400	88	420.0
CAS/ATEX-1090-2T-60	2960		79.00	45.60	45.00	6000	91	530.0

Acoustic features

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

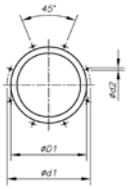
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
CAS								
242	50	61	67	76	83	82	79	72
248-0,75	51	62	68	77	84	83	80	73
248-1	52	63	69	78	85	84	81	74
248-1,5	53	64	70	79	86	85	82	75
254-1,5	55	66	71	81	88	87	84	77
254-2	57	68	73	83	90	89	86	79
254-3	56	68	76	85	90	92	89	82
260-2	53	69	69	83	88	88	85	78
260-3	55	71	71	85	90	90	87	80
463-5,5	57	69	82	91	93	93	89	80
463-7,5	58	70	83	92	94	94	90	81
467-7,5	69	74	83	95	95	97	93	85
467-10	70	75	84	96	96	98	94	86
571-10	64	76	86	96	99	99	94	86
571-15	65	77	87	97	100	100	95	87
640	56	67	75	82	88	84	83	76
645-3	55	66	74	81	87	83	82	75
645-4	55	66	77	86	90	91	87	79
650-5,5	59	75	84	90	93	90	85	78
650-7,5	52	68	81	91	96	93	85	78

Model	63	125	250	500	1000	2000	4000	8000
852-7,5	68	72	82	88	92	92	89	84
852-10	68	76	86	93	96	96	92	84
856	63	76	90	96	96	94	90	84
863-15	67	81	87	96	96	95	92	87
863-20	69	81	92	99	98	95	93	87
971-25	67	81	90	102	98	96	93	89
971-30	68	82	91	103	99	97	94	90
971-40	68	83	97	102	102	99	95	88
1250	75	88	97	94	91	86	82	73
1456	80	93	102	99	96	90	87	78
1663	65	74	80	95	108	100	97	93
1671	64	73	79	94	108	100	97	93
2071	66	75	81	96	110	102	99	95
2080	67	76	82	97	111	103	100	96
680	70	74	85	96	102	93	86	80
790	73	77	88	99	105	96	89	83
980	61	70	76	91	105	97	94	90
990	64	73	79	94	108	100	97	93
1080	62	71	77	92	106	98	95	91
1090	65	77	80	95	109	101	98	94

Dimensions in mm

CAS/ATEX-242...971



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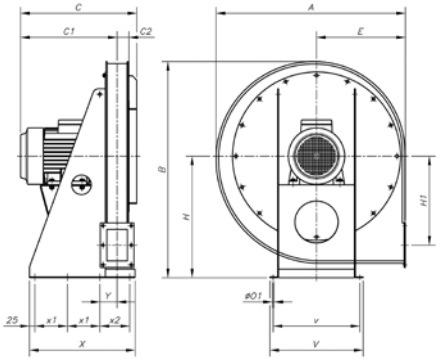
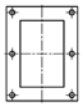
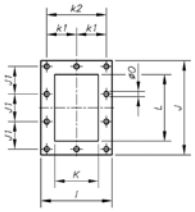
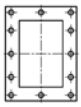




Outlet
242/248/254/260/463/467/571



Outlet
640/645/650



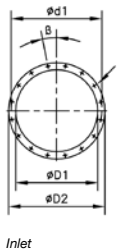
Outlet
852/856/863/971

Modelo	A	B	C	C1	C2	øD1	ød1	ød2	E	H	H1	I	J	J1	K	k1	k2	L	ø0	ø01	V	v	X	x1	x2	Y
CAS/ATEX-242-2T-0'33	576	662	282	219	33	100	130	M8	270	375	270	120	155	65	60	-	95	95	11	12	305	275	260	75	-	61
CAS/ATEX-242-2T-0'5	576	662	310	247	33	100	130	M8	270	375	270	120	155	65	60	-	95	95	11	12	305	275	260	75	-	61
CAS/ATEX-248-2T-0'75	639	728	315	249	36	112	140	M8	300	410	297	126	165	70	66	-	101	105	11	12	320	290	300	90	-	64
CAS/ATEX-248-2T-1/1'5	639	728	340	274	36	112	140	M8	300	410	297	126	165	70	66	-	101	105	11	12	320	290	300	90	-	64
CAS/ATEX-254-2T-1'5	699	788	365	294,5	40,5	125	155	M8	330	440	322	135	175	75	75	-	110	115	11	14	340	310	330	100	-	68,5
CAS/ATEX-254-2T-2	699	788	413	342,5	40,5	125	155	M8	330	440	322	135	175	75	75	-	110	115	11	14	340	310	330	100	-	68,5
CAS/ATEX-254-2T-3	699	788	443	372,5	40,5	125	155	M8	330	440	322	135	175	75	75	-	110	115	11	14	340	310	330	100	-	68,5
CAS/ATEX-260-2T-2/3	782	875	419	343,5	47,5	150	175	M8	370	485	362	145	185	80	85	-	120	125	11	14	380	350	370	115	-	73,5
CAS/ATEX-463-2T-5'5	782	875	459	383,5	45,5	200	240	M8	370	485	362	145	185	80	85	-	120	125	11	14	380	350	370	115	-	73,5
CAS/ATEX-463-2T-7'5	782	875	517	441,5	45,5	200	240	M8	370	485	362	145	185	80	85	-	120	125	11	14	380	350	370	115	-	73,5
CAS/ATEX-467-2T-7'5/10	833	945	530	442	48	224	258	M8	390	530	395	150	190	82,5	90	-	125	130	11	14	405	375	300	125	-	76
CAS/ATEX-571-2T-10	873	995	536	445,5	50,5	250	275	M8	410	560	410	155	205	90	95	-	130	145	11	14	430	400	350	150	-	79,5
CAS/ATEX-571-2T-15	873	995	671	580,5	50,5	250	275	M8	410	560	410	155	205	90	95	-	130	145	11	14	430	400	410	180	-	79,5
CAS/ATEX-640-2T-2	639	728	446	350,5	65,5	250	275	M8	300	410	250	185	260	78	125	80	-	200	11	14	340	310	350	100	-	93,5
CAS/ATEX-645-2T-3	699	788	461	358	73	250	275	M8	330	440	267,5	200	284	86	140	87,5	-	224	11	14	380	350	380	115	-	101
CAS/ATEX-645-2T-4	699	788	491	388	73	250	275	M8	330	440	267,5	200	284	86	140	87,5	-	224	11	14	380	350	380	115	-	101
CAS/ATEX-650-2T-5'5	782	875	534	421	83	250	275	M8	370	485	300	220	310	95	160	97,5	-	250	11	14	405	375	490	125	190	111
CAS/ATEX-650-2T-7'5	782	875	572	459	83	250	275	M8	370	485	300	220	310	95	160	97,5	-	250	11	14	405	375	490	125	190	111
CAS/ATEX-852-2T-7'5/10	833	945	603	470	94,5	380	310	M8	390	530	320	240	340	78	180	107,5	-	280	11	14	430	400	540	150	190	122
CAS/ATEX-856-2T-15	833	945	708	575	93	355	395	M8	390	530	320	240	340	78	180	107,5	-	280	11	14	430	400	600	180	190	122
CAS/ATEX-863-2T-15/20	873	995	728	585	103	355	410	M8	410	560	325	260	375	87,5	200	117,5	-	315	11	14	430	400	620	180	210	132
CAS/ATEX-971-2T-25	1012	1170	759	598	116	400	450	M10	460	670	420	294	425	100	224	132	-	355	11	14	550	510	715	150	215	145
CAS/ATEX-971-2T-30	1012	1170	881	720	116	400	450	M10	460	670	420	294	425	100	224	132	-	355	11	14	550	510	715	150	215	145
CAS/ATEX-971-2T-40	1012	1170	948	787	116	400	450	M10	460	670	420	294	425	100	224	132	-	355	11	14	550	510	715	150	215	145

The measures correspond to the EEx "e" version

Dimensions in mm

CAS/ATEX-1250...2080



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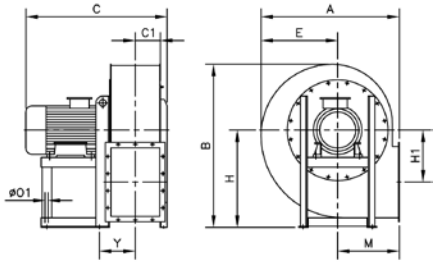
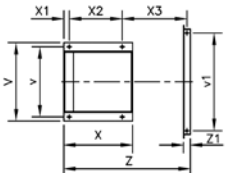
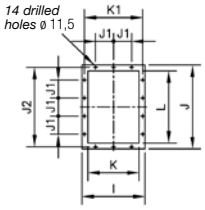
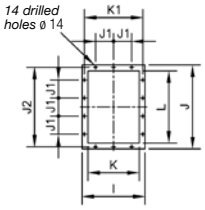




Outlet
CAS-1250-2T-15/A
CAS-1456-2T-25/A
CAS-1663-2T-50/A



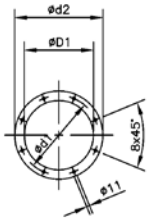
Outlet
CAS-1671-2T-60/A
CAS-2071-2T-100/A
CAS-2080-2T-125/A

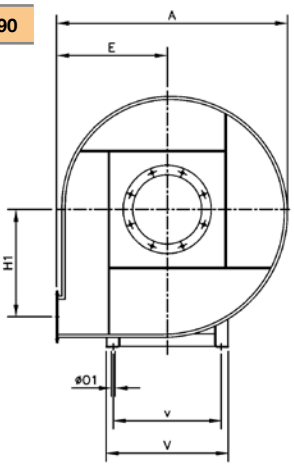


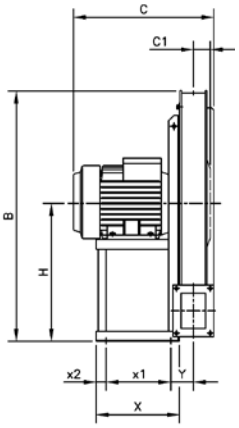
Model	A	B	C	C1	øD1	øD2	ød1	x ø	ß	E	H	H1	I	J	J1	J2	K	K1	L	M	øO1	V	v	v1	X	X1	X2	X3	Y	Z	Z1
CAS-1250-2T-15/A	865	1055	885	160	361	441	405	8x11.5	22º30'	510	630	365	360	480	125	448	280	332	400	355	14	440	400	-	425	30	340	-	202	-	-
CAS-1456-2T-25/A	970	1185	900	163	456	535	497	12x12	15º	555	710	410	395	530	125	497	315	366	450	400	14	440	400	-	425	30	340	-	219	-	-
CAS-1663-2T-50/A	1010	1280	1035	183	568	668	629	16x11.5	11º15'	560	800	380	435	580	125	551	355	405	500	450	16	570	510	-	500	40	385	-	263	-	-
CAS-1671-2T-60/A	1130	1340	1160	206	638	738	698	16x13	11º15'	630	800	430	500	660	160	629	400	464	560	500	19	626	565	800	550	40	425	530	292	1025	60
CAS-2071-2T-100/A	1130	1340	1290	206	638	738	698	16x13	11º15'	630	800	430	500	660	160	629	400	464	560	500	21	760	680	800	700	50	550	545	307	1125	60
CAS-2080-2T-125/A	1270	1505	1345	231	718	818	775	16x13	11º15'	710	900	486	550	730	160	698	450	513	630	560	24	760	680	900	700	50	550	595	333	1225	60

CAS/ATEX-680...1090

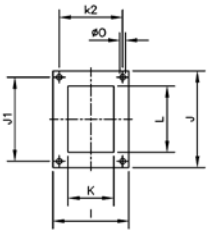
Inlet



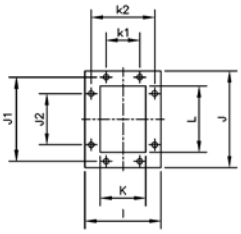




Outlet
CAS-680/790



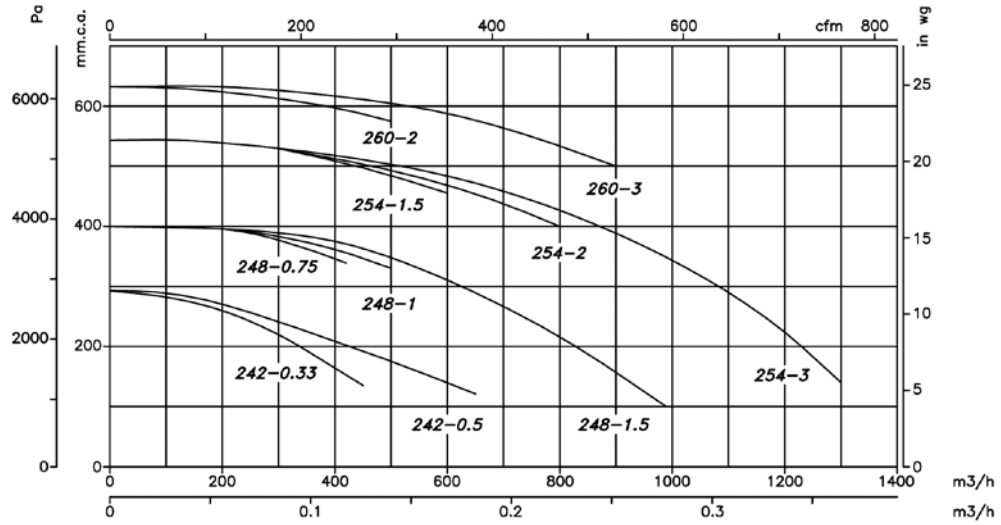
Outlet
CAS-980...1090

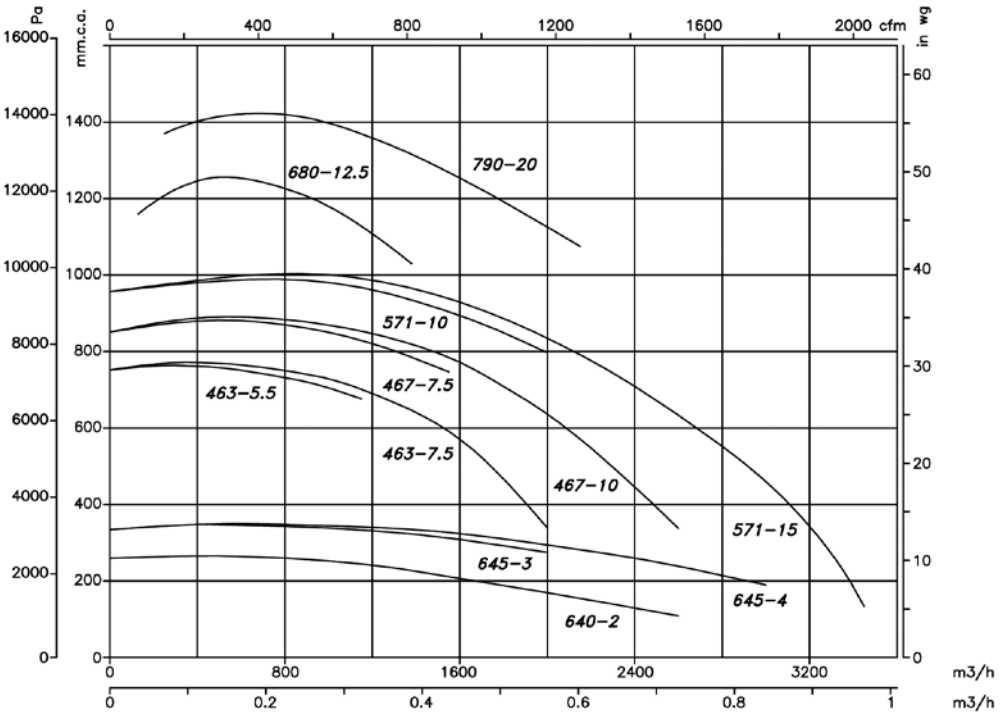


Model	A	B	C	C1	øD1	ød1	ød2	E	H	H1	I	J	J1	J2	K	k1	k2	L	øO	øO1	V	v	X	x1	x2	Y
CAS-680-2T-12'5	925	995	550	50	165	200	235	450	530	430	131	160	125	-	71	-	100	100	9	12	392	360	320	250	25	87
CAS-790-2T-20	1100	1180	650	58	185	219	255	530	630	520	140	172	140	-	80	-	112	112	9	14	440	400	425	340	30	103
CAS-980-2T-30	1120	1250	725	90	255	292	325	530	710	530	210	270	241	112	140	112	182	200	11.5	14	440	400	425	340	35	145
CAS-990-2T-50	1250	1400	900	100	286	332	366	600	800	600	230	294	265	112	160	112	200	224	11.5	16	570	510	500	385	40	165
CAS-1080-2T-40	1120	1250	850	90	255	392	325	530	710	530	210	270	241	112	140	112	182	200	11.5	16	570	510	500	385	40	155
CAS-1090-2T-60	1250	1400	930	100	286	332	366	600	800	600	230	294	265	112	160	112	200	224	11.5	16	626	565	550	425	40	175

Characteristic Curves

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





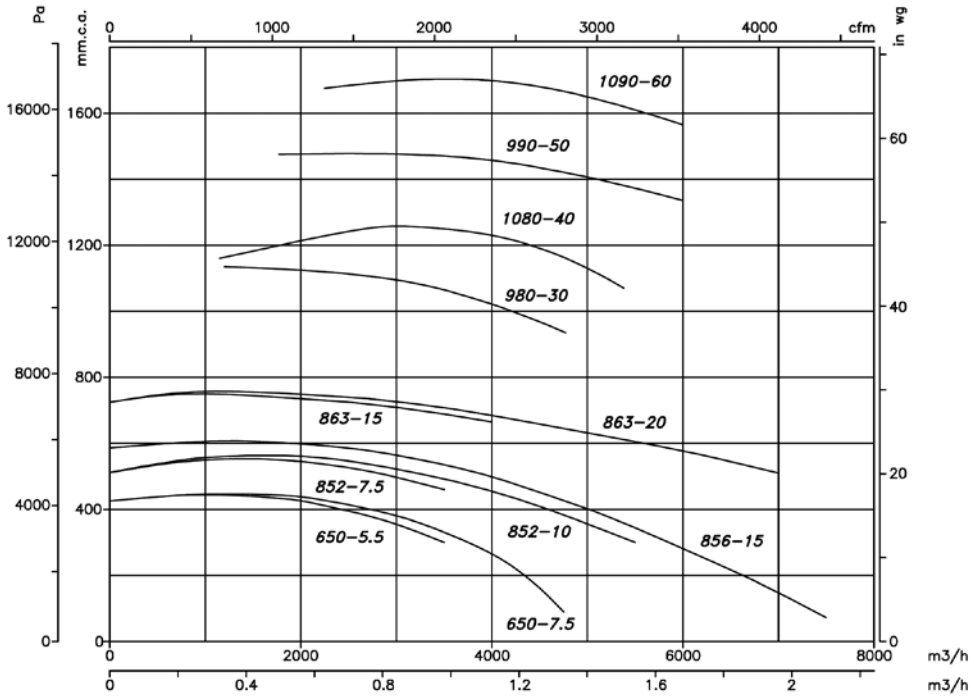
Accessories

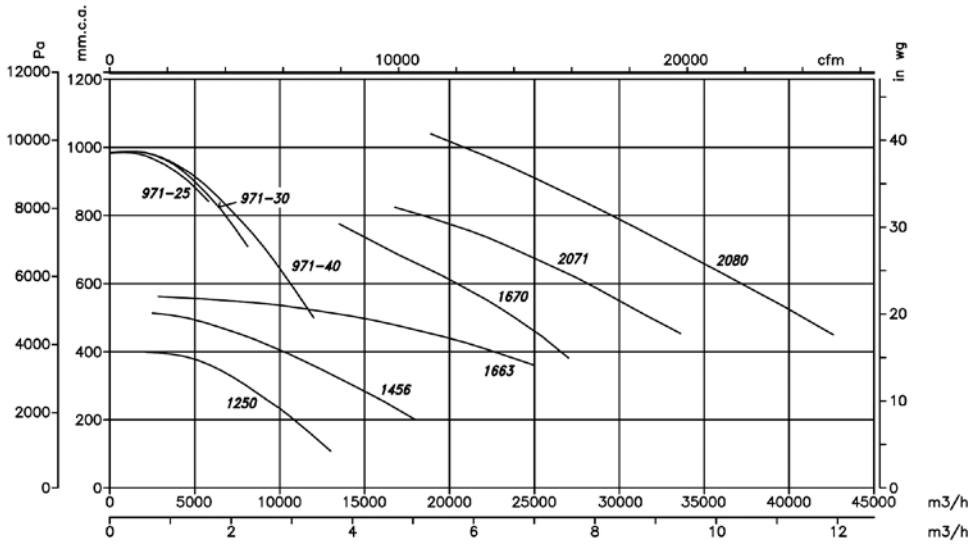
See accessories section.

INT AR RFT/ RFM PANELS RPA B BIC ACE/ATEX CJACUS REG S

Characteristic Curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.





Positions

LG 270 standard supply
LG 180 positions on request
and with special fixing measurements.

Supplied on request
RD 180 positions with special
fixing measurements.

CA/ATEX

Aluminium construction to prevent sparks

Centrifugal single-inlet, high-pressure fans made from cast aluminium with ATEX certification

Centrifugal high-pressure fans with casing and impeller made from cast aluminium and ATEX certification with CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant motor, to work in explosive atmospheres.

EEx "e" mark: CE Ex II 2 G. EEx e
EEx "d" mark: CE Ex II 2 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 2 D. IP65
Notified authority: L.O.M.
ID:
LOM4ATEX007

Fan:
- Casing made from cast aluminium
- Impeller made from cast aluminium

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 80ºC.

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.

Order code

CA/ATEX — 148 — 2T — 0,75 — EExd

CA/ATEX	148	2T	0,75	EExd
Centrifugal single-inlet, high-pressure fans with casing and impeller made from cast aluminium with ATEX certification **EEx "e" mark: CE Ex II 2 G. EEx e** **EEx "d" mark: CE Ex II 2 G. EEx d** **DIP55 mark: CE Ex II 3 D. IP55** **DIP65 mark: CE Ex II 2 D. IP65** **Notified authority: L.O.M.** **ID: LOM4ATEX007**	Impeller size	Number of motor poles 2=2900 r/min. 50 Hz T=Three-phase	Power motor (c.v.)	EEx-e: Mark: CE Ex II 2 G. EEx e IIBT3 EEx "d" mark: CE Ex II 2 G. EEx d IIBT5 DIP55 mark: CE Ex II 3 D. IP55 DIP65 mark: CE Ex II 2 D. IP65

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CA/ATEX-234-2T	2870	1.73	1.00		0.37	280	72	10.2
CA/ATEX-234-2M	2870	2.95			0.37	280	72	10.2
CA/ATEX-142-2T-0,33	2735	1.39	0.80		0.25	460	73	22.5
CA/ATEX-142-2T-0,5	2810	1.92	1.11		0.37	660	73	22.5
CA/ATEX-148-2T-0,75	2830	2.42	1.40		0.55	420	74	28.0
CA/ATEX-148-2T-1	2840	3.00	1.73		0.75	500	75	30.0
CA/ATEX-148-2T-1,5	2850	4.16	2.40		1.10	990	76	32.0
CA/ATEX-154-2T-1,5	2830	4.16	2.40		1.10	600	78	46.0
CA/ATEX-154-2T-2	2860	5.63	3.25		1.50	800	79	48.5
CA/ATEX-154-2T-3	2875	7.97	4.60		2.20	1280	80	50.5
CA/ATEX-160-2T-2	2850	5.63	3.25		1.50	500	83	57.0
CA/ATEX-160-2T-3	2860	7.97	4.60		2.20	900	84	58.0
CA/ATEX-166-2T-3	2870	7.97	4.60		2.20	500	84	67.0
CA/ATEX-166-2T-4	2870	10.57	6.10		3.00	950	85	73.0
CA/ATEX-166-2T-5,5	2860	13.34	7.70		4.00	1600	86	76.0
CA/ATEX-172-2T-5,5	2880	13.34	7.70		4.00	1100	87	90.0
CA/ATEX-172-2T-7,5	2880		11.10	6.40	5.50	1710	88	112.0
CA/ATEX-172-2T-10	2930		13.90	8.00	7.50	2300	89	124.0

Acoustic features

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

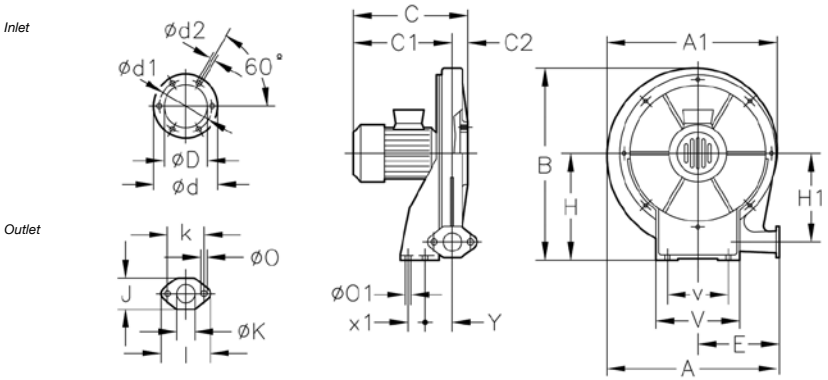
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
234	38	51	65	72	80	79	73	64
142	39	52	66	73	81	80	74	65
148-0,75	43	56	70	77	85	83	77	69
148-1	44	57	71	78	86	84	78	70
148-1,5	45	58	72	79	87	85	79	71
154-1,5	47	60	74	81	89	87	81	73
154-2	48	61	75	82	90	88	82	74
154-3	49	62	76	83	91	89	83	75

Model	63	125	250	500	1000	2000	4000	8000
160-2	54	67	81	88	96	94	88	80
160-3	55	68	82	89	97	95	89	81
166-3	55	68	82	89	97	95	89	81
166-4	56	69	83	90	98	96	90	82
166-5,5	57	70	84	91	99	97	91	83
172-5,5	59	72	86	93	101	100	94	85
172-7,5	60	73	87	94	102	101	95	86
172-10	61	74	88	95	103	102	96	87

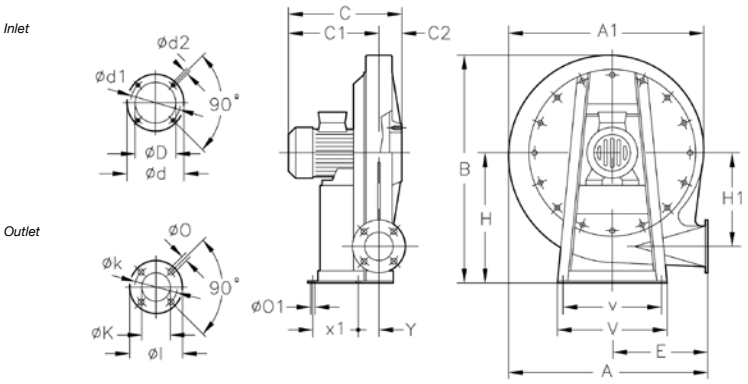
Dimensions in mm

CA/ATEX-234



Model	A	A1	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	l	J	øK	k	øO	øO1	V	v	x1	Y
CA-234-2T-0,33	376	381	415	272	242.5	29.5	98	130	115	M4	175	225	187	98	63	40	72	9	9	180	120	40	94
CA-234-2M-0,33	376	381	415	272	242.5	29.5	98	130	115	M4	175	225	187	98	63	40	72	9	9	180	120	40	94

CA/ATEX-142...172

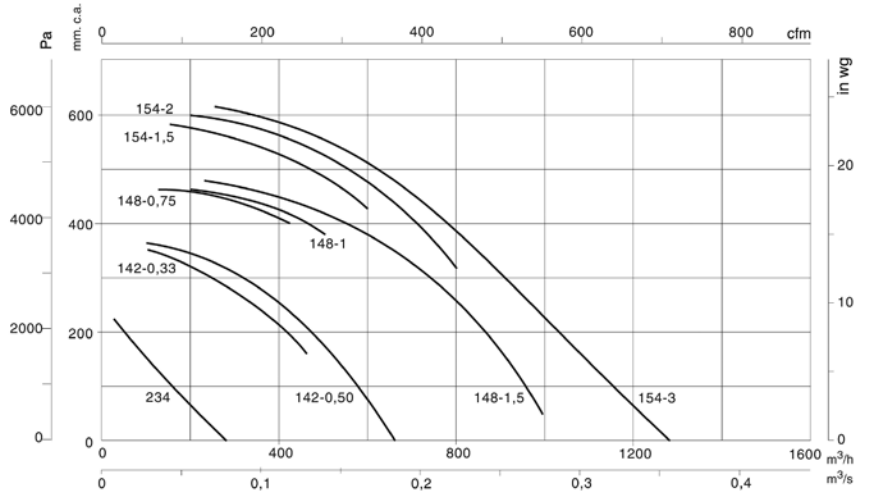


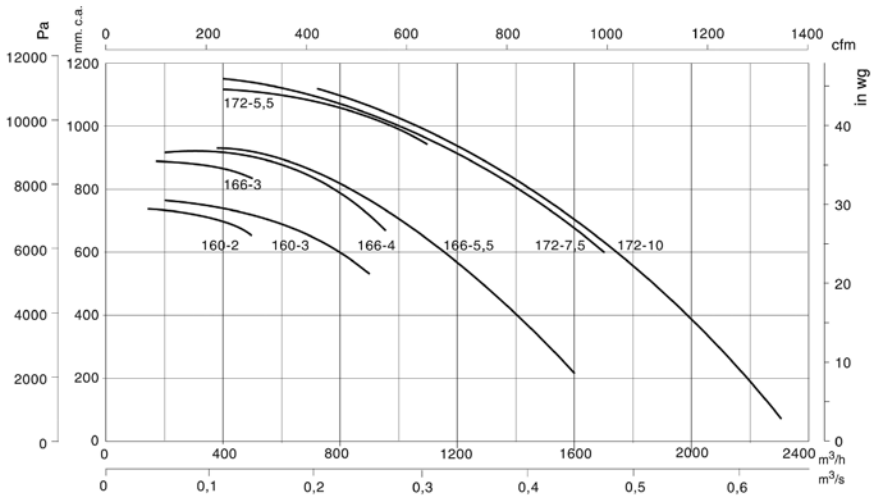
Model	A	A1	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	øl	øK	øk	øO	øO1	V	v	x1	Y
CA-142-2T-0'33	494	488	540	270	221.52	48.5	90	160	130	M8	240	301	235	120	60	90	11	12	300	270	130	51
CA-142-2T-0'5	494	488	540	290	241.5	48.5	90	160	130	M8	240	301	235	120	60	90	11	12	300	270	130	51
CA-142-2T-0'75	563	557.5	639	308.5	251.5	57	100	170	140	M8	270	360	269.5	150	73	110	11	12	330	290	140	60
CA-148-2T-1	563	557.5	639	324.5	267.5	57	100	170	140	M8	270	360	269.5	150	73	110	11	12	330	290	140	60
CA-148-2T-1'5	563	557.5	639	324.5	267.5	57	100	170	140	M8	270	360	269.5	150	73	110	11	12	330	290	140	60
CA-154-2T-1'5	630	625	708	348	268.5	79.5	115	183	155	M10	300	395	308	160	80	120	13	12	356	320	210	62
CA-154-2T-2	630	625	708	371	291.5	79.5	115	183	155	M10	300	395	308	160	80	120	13	12	356	320	210	62
CA-154-2T-3	630	625	708	396	316.5	79.5	115	183	155	M10	300	395	308	160	80	120	13	12	356	320	210	62
CA-160-2T-2	708	699	785	381	291	90	130	230	192	M10	336	440	338	160	85	120	13	12	373	322	220	62
CA-160-2T-3	708	699	785	406	316	90	130	230	192	M10	336	440	338	160	85	120	13	12	373	322	220	62
CA-166-2T-3	759	752	866	399	319.5	79.5	140	230	200	M10	364	490	372	160	85	120	13	12	450	400	245	70
CA-166-2T-4	759	752	866	423	343.5	79.5	140	230	200	M10	364	490	372	160	85	120	13	12	450	400	245	70
CA-166-2T-5'5	759	752	866	445	365.5	79.5	140	230	200	M10	364	490	372	160	85	120	13	12	450	400	265	70
CA-172-2T-5'5	818	813	923	451	371	80	148	230	200	M10	390	516	404	175	90	140	13	12	450	400	260	78
CA-172-2T-7'5	818	813	923	492	412	80	148	230	200	M10	390	516	404	175	90	140	13	12	450	400	300	78
CA-172-2T-10	818	813	923	492	412	80	148	230	200	M10	390	516	404	175	90	140	13	12	450	400	300	78

The measures correspond to the EEx "e" version

Characteristic Curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.





Positions

LG 270 standard supply
LG 180 positions on request and with special fixing measures.

LG 0 LG 45 LG 90 LG 135 LG 180 LG 270 LG 315

Accessories

See accessories section.

INT AR RFT/ RFM PANELS RPA B BIC ACE/ATEX CJACUS REG S

HT/ATEX

Axial roof fans with ATEX certification and possible marking EEx e, EEX d, DIP55 and DIP65

Roof fans with flat base and ATEX certification with CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant to work in explosive gas or dust atmospheres.

Fan:
- Sheet steel base with aluminium strip in the impeller area in accordance with Standard EN-14986:2006
- Impeller made from cast aluminium
- Spark-proof stuffing-box included
- Protection guard against contacts, in accordance with standard UNE 100-250
- Aluminium sheet rain deflector hood with anticorrosive protection, except models 80,90,100 which come in polyester
- Airflow direction from motor to impeller

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC.+ 40ºC.

EEx "e" mark: CE Ex **II 2 G. EEx e**
EEx "d" mark: CE Ex **II 2 G. EEx d**
DIP55 mark: CE Ex **II 3 D. IP55**
DIP65 mark: CE Ex **II 2 D. IP65**
Notified authority: L.O.M.
ID:
LOM3ATEX0157

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.
- EEx d flame-resistant single-phase motors

Order code

HT/ATEX — 25 — 4T — EEx d I

Axial roof fans with flat base
EEx "e" mark: CE Ex **II 2 G. EEx e**
EEx "d" mark: CE Ex **II 2 G. EEx d**
DIP55 mark: CE Ex **II 3 D. IP55**
DIP65 mark: CE Ex **II 2 D. IP65**
Notified authority: L.O.M.
ID:
LOM3ATEX0157

Impeller diameter in cm.

Number of motor poles
4=1400 r/min. 50 Hz
6=750 r/min. 50 Hz

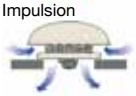
T=Three-phase

EEx-e: Mark:
CE Ex II 2 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 2 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 2 D. IP65

I: Extraction fans
A: Impulsion fans

Extraction

Impulsion



Technical characteristics

Model	Speed (r/min)	Max. admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A) Inlet	Outlet	Approx. weight (Kg)
HT/ATEX-25-4T	1450	0.60	0.35		0.10	1080	41	40	12.5
HT/ATEX-31-4T	1430	0.64	0.37		0.10	1800	47	46	13.3
HT/ATEX-35-4T	1360	0.72	0.42		0.10	2600	48	47	17.5
HT/ATEX-40-4T	1400	1.82	1.05		0.25	4600	51	50	21.0
HT/ATEX-45-4T	1380	2.08	1.20		0.37	6500	55	53	29.0
HT/ATEX-50-4T	1380	2.94	1.70		0.55	8500	59	57	36.0
HT/ATEX-56-4T	1450	3.46	2.00		0.75	9800	61	57	35.0
HT/ATEX-56-6T	950	1.47	0.85		0.25	6600	48	46	46.0
HT/ATEX-63-4T	1450	5.20	3.00		1.10	14000	63	59	65.8
HT/ATEX-63-6T	950	2.11	1.22		0.37	9200	52	49	61.8
HT/ATEX-71-4T	1450	6.41	3.70		1.50	18000	69	67	64.0
HT/ATEX-71-6T	950	2.96	1.71		0.55	12200	58	56	64.9

Technical characteristics

Model	Speed (r/min)	Max. admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A) Inlet	Outlet	Approx. weight (Kg)
HT/ATEX-80-4T	1450	8.92	5.15		2.20	26200	73	70	87.8
HT/ATEX-80-6T	950	5.80	3.35		1.10	18000	64	61	81.8
HT/ATEX-90-4T	1450	11.78	6.80		3.00	31500	77	74	94.0
HT/ATEX-90-6T	950	7.62	4.40		1.50	21200	68	65	91.0
HT/ATEX-100-4T-7,5	1450		11.90	6.90	5.50	37000	80	77	114.0
HT/ATEX-100-4T-10	1450		16.90	9.80	7.50	44000	84	81	125.0
HT/ATEX-100-6T-2	940	7.62	4.40		1.50	25000	71	68	102.0
HT/ATEX-100-6T-3	960	10.05	5.80		2.20	28200	75	72	106.0

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.

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

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

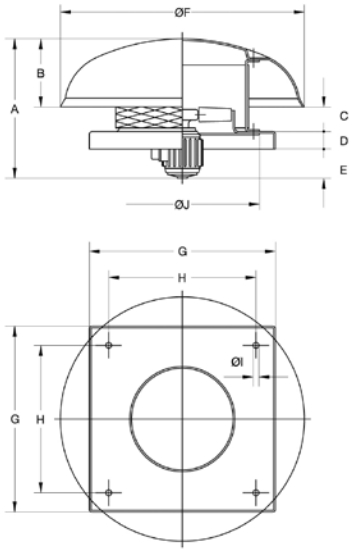
Model	63	125	250	500	1000	2000	4000	8000
25	27	37	54	54	62	58	51	42
31	33	43	60	60	68	64	57	48
35	34	44	61	61	69	65	58	49
40	28	45	57	65	70	70	66	59
45	32	49	61	69	74	74	70	63
50	36	53	65	73	78	78	74	67
56-4	38	55	67	75	80	80	76	69
56-6	25	42	54	62	67	67	63	56
63-4	40	57	69	77	82	82	78	71
63-6	29	46	58	66	71	71	67	60
71-4	46	63	75	83	88	88	84	77
71-6	35	52	64	72	77	77	73	66
80-4	57	78	85	90	93	89	82	71
80-6	48	69	76	81	84	80	73	62
90-4	61	82	89	94	97	93	86	75
90-6	52	73	80	85	88	84	77	66
100-4-7,5	64	85	92	97	100	96	89	78
100-4-10	68	89	96	101	104	100	93	82
100-6-2	55	76	83	88	91	87	80	69
100-6-3	59	80	87	92	95	91	84	73
100-8-1,5	48	69	76	81	84	80	73	62
100-8-2	50	71	78	83	86	82	75	64

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

Model	63	125	250	500	1000	2000	4000	8000
25	26	36	53	53	61	57	50	41
31	32	42	59	59	67	63	56	47
35	33	43	60	60	68	64	57	48
40	27	44	56	64	69	69	65	58
45	30	47	59	67	72	72	68	61
50	34	51	63	71	76	76	72	65
56-4	34	51	63	71	76	76	72	65
56-6	23	40	52	60	65	65	61	54
63-4	36	53	65	73	78	78	74	67
63-6	26	43	55	63	68	68	64	57
71-4	44	61	73	81	86	86	82	75
71-6	33	50	62	70	75	75	71	64
80-4	54	75	82	87	90	86	79	68
80-6	45	66	73	78	81	77	70	59
90-4	58	79	86	91	94	90	83	72
90-6	49	70	77	82	85	81	74	63
100-4-7,5	61	82	89	94	97	93	86	75
100-4-10	65	86	93	98	101	97	90	79
100-6-2	52	73	80	85	88	84	77	66
100-6-3	56	77	84	89	92	88	81	70
100-8-1,5	45	66	73	78	81	77	70	59
100-8-2	47	68	75	80	83	79	72	61

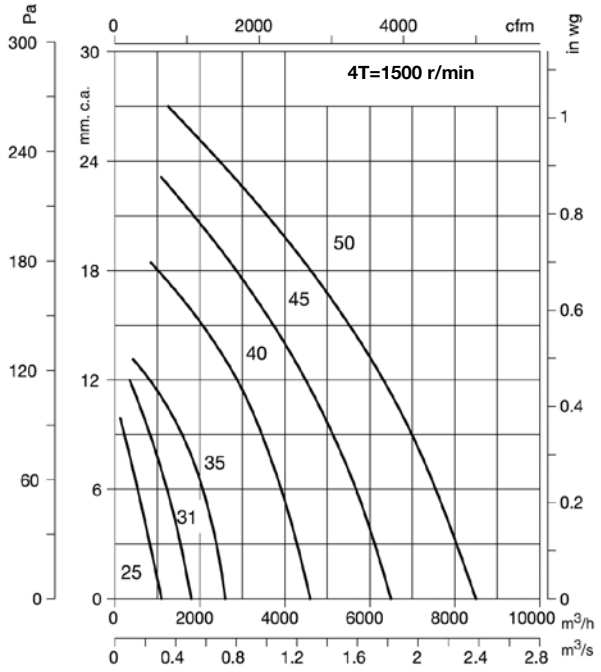
Dimensions in mm

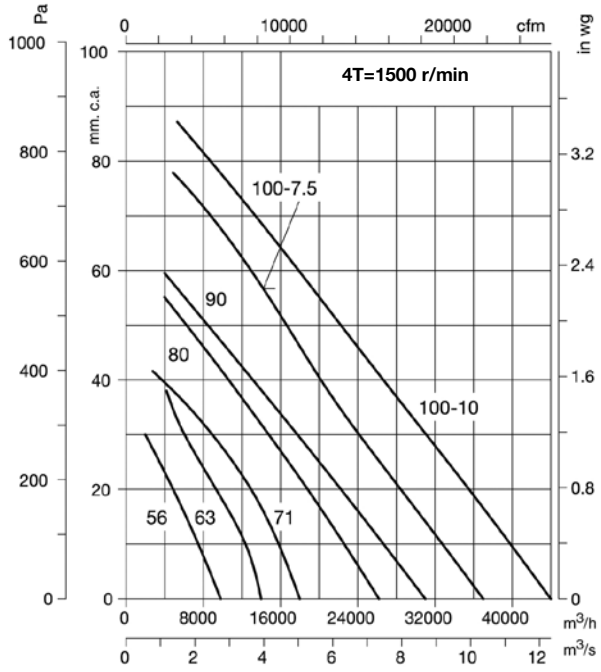
Model	A	B	C	D	E	ØF	G	H	ØI	ØJ
HT-25	400	176	44	40	140	620	450	360	12	346
HT-31	423	176	67	40	140	620	500	410	12	416
HT-35	472	228	64	40	140	770	560	450	12	486
HT-40	478	228	82	40	128	770	630	530	12	536
HT-45-4T	550	266	88	50	146	960	710	590	12	596
HT-50-4T	575	296	83	50	146	1090	800	680	12	676
HT-56-4T	607	296	117	40	154	1090	900	750	14	758
HT-56-6	589	296	117	40	136	1090	900	750	14	758
HT-63-4	714	357	136	40	182	1285	1000	850	14	735
HT-63-6	667	357	136	40	135	1285	1000	850	14	735
HT-71-4T	740	357	166	40	178	1285	1000	850	14	815
HT-71-6	689	357	166	40	178	1285	1000	850	14	815
HT-80-4	840	357	244	50	189	1285	1150	1000	14	905
HT-80-6	804	357	244	50	153	1285	1150	1000	14	905
HT-90-4	892	440	213	50	189	1580	1150	1000	14	1020
HT-90-6	896	440	213	50	193	1580	1150	1000	14	1020
HT-100-4T	997	440	284	50	223	1580	1250	1100	14	1120
HT-100-6T-2	940	440	284	50	166	1580	1250	1100	14	1120
HT-100-6T-3	957	440	284	50	183	1580	1250	1100	14	1120

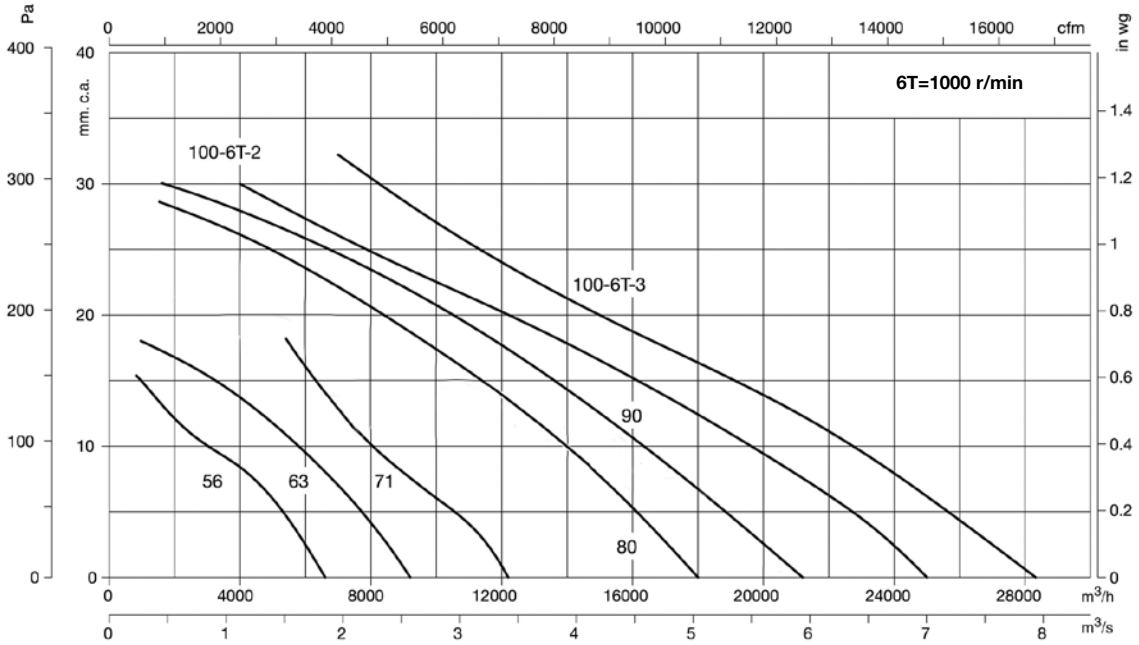


Characteristic curves

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







Accessories

See accessories section.

INT AR RFT/ RFM PANELS B MS PA OP S

CHT/ATEX
CVT/ATEX

CHT-CVT/ATEX: Centrifugal roof fans with horizontal or vertical outlet air with ATEX certification and possible marking EEx e, EEX d, DIP55 and DIP65

CHT

CVT

CHT: Centrifugal roof fans with horizontal outlet air and hood in aluminium, with ATEX certification with CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant to work in explosive gas or dust atmospheres.
CVT: Centrifugal roof fans with vertical outlet air and hood in aluminium, with ATEX certification with CEE ExII2G EEx e explosion-proof motor, CEE ExII2G EEx d or DIP flame-resistant to work in explosive gas or dust atmospheres.

Fan:
- Sheet steel base with aluminium strip in the impeller area in accordance with Standard EN-14986:2006
- Impeller with backward-curved blades
- Bird guard
- Aluminium rain deflector hood

Motor:
- Class F motors, with ball bearings and ATEX certification, EEx e explosion-proof, EEx d or DIP flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 80ºC.

EEx "e" mark: CE Ex II 3 G. EEx e
EEx "d" mark: CE Ex II 3 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 3 D. IP65
Notified authority: L.O.M.
ID:
LOM3ATEX147

Finish:
- Rust retardant with ATEX paint, free of ferric components, in polyester resin, polymerised at 190ºC, with prior alkaline degreasing and with phosphate-free pre-treatment

On request:
- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Fans with two-speed motor.
- EEx d flame-resistant single-phase motors

Order code

CHT/ATEX — 200 — 4T — EEXd

CHT: Centrifugal roof fans with horizontal outlet air with ATEX certification
CVT: Centrifugal roof fans with vertical outlet air with ATEX certification
EEx "e" mark: CE Ex II 3 G. EEx e
EEx "d" mark: CE Ex II 3 G. EEx d
DIP55 mark: CE Ex II 3 D. IP55
DIP65 mark: CE Ex II 3 D. IP65
Notified authority: L.O.M.
ID: LOM3ATEX147

Impeller size

Number of motor poles
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz

T=Three-phase

EEx-e: Mark:
CE Ex II 3 G. EEx e IIBT3
EEx "d" mark:
CE Ex II 3 G. EEx d IIBT5
DIP55 mark:
CE Ex II 3 D. IP55
DIP65 mark:
CE Ex II 3 D. IP65

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m³/h)	Sound level dB(A) Inlet	Outlet	Approx. weight (Kg)
CHT/ATEX CVT/ATEX 200-4T	1350	1.45	0.84	0.25	1450	37	43	25
CHT/ATEX CVT/ATEX 225-4T	1350	1.45	0.84	0.25	2100	41	47	25
CHT/ATEX CVT/ATEX 225-6T	900	1.51	0.87	0.25	1400	30	36	26
CHT/ATEX CVT/ATEX 250-4T	1350	1.45	0.84	0.25	3100	45	50	34
CHT/ATEX CVT/ATEX 250-6T	900	1.51	0.87	0.25	2000	33	40	35
CHT/ATEX CVT/ATEX 315-4T	1370	2.74	1.58	0.55	4950	48	54	39
CHT/ATEX CVT/ATEX 315-6T	900	2.13	1.23	0.37	3200	37	43	39
CHT/ATEX CVT/ATEX 400-4T	1380	3.34	1.93	0.75	7000	55	61	57
CHT/ATEX CVT/ATEX 400-6T	900	2.13	1.23	0.37	4500	44	50	56
CHT/ATEX CVT/ATEX 450-4T	1400	5.97	3.45	1.50	10200	59	64	66
CHT/ATEX CVT/ATEX 450-6T	900	2.13	1.23	0.37	6900	47	54	59
CHT/ATEX CVT/ATEX 500-6T	925	5.23	3.02	1.10	12000	51	57	103
CHT/ATEX CVT/ATEX 560-6T	955	9.28	5.36	2.20	17300	54	61	126
CHT/ATEX CVT/ATEX 630-6T	960	16.35	9.44	4.00	24700	58	64	166

(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.

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

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

Model	63	125	250	500	1000	2000	4000	8000
200	35	41	52	55	56	52	50	44
225-4	42	51	56	56	60	59	52	46
225-6	31	40	45	45	49	48	41	35
250-4	46	55	60	60	64	63	56	50
250-6	34	43	48	48	52	51	44	38
315-4	50	56	62	62	65	68	59	53
315-6	39	45	51	51	54	57	48	42
315-8	35	41	47	47	50	53	44	38
400-4	57	63	69	69	72	75	66	60
400-6	46	52	58	58	61	64	55	49
400-8	42	48	54	54	57	60	51	45
450-4	62	69	74	74	78	77	70	65
450-6	50	57	62	62	66	65	58	53
450-8	46	53	58	58	62	61	54	49
450-12	35	42	47	47	51	50	43	38
500-6	54	60	65	66	70	69	62	55
500-8	47	53	58	59	63	62	55	48
500-12	39	45	50	51	55	54	47	40
560-6	57	63	68	69	73	72	65	58
560-8	49	55	60	61	65	64	57	50
560-12	42	48	53	54	58	57	50	43
630-6	61	67	72	73	77	76	69	62
630-8	53	59	64	65	69	68	61	54
630-12	46	52	57	58	62	61	54	47

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

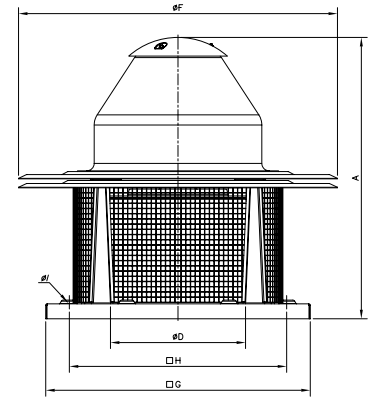
Model	63	125	250	500	1000	2000	4000	8000
200	39	44	58	60	61	61	56	51
225-4	41	50	60	64	67	64	57	51
225-6	30	39	49	53	56	53	46	40
250-4	44	53	63	67	70	67	60	54
250-6	34	43	53	57	60	57	50	44
315-4	49	61	69	71	72	72	64	56
315-6	38	50	58	60	61	61	53	45
315-8	34	46	54	56	57	57	49	41
400-4	56	68	76	78	79	79	71	63
400-6	45	57	65	67	68	68	60	52
400-8	41	53	61	63	64	64	56	48
450-4	60	72	80	82	83	80	73	65
450-6	50	62	70	72	73	70	63	55
450-8	45	57	65	67	68	65	58	50
450-12	35	47	55	57	58	55	48	40
500-6	50	64	72	76	75	72	66	60
500-8	43	57	65	69	68	65	59	53
500-12	35	49	57	61	60	57	51	45
560-6	54	68	76	80	79	76	70	64
560-8	46	60	68	72	71	68	62	56
560-12	39	53	61	65	64	61	55	49
630-6	57	71	79	83	72	79	73	67
630-8	50	64	72	76	72	72	66	60
630-12	42	56	64	68	67	64	58	52

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

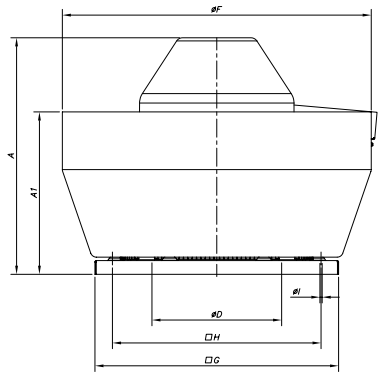
CHT



Model	A	øD*	øF	G	H	øI
CHT-200	552	250	570	450	360	12
CHT-225	570	250	570	450	360	12
CHT-250	632	355	726	560	450	12
CHT-315	682	355	726	560	450	12
CHT-400	755	500	856	710	590	12
CHT-450	770	500	856	710	590	12
CHT-500	846	630	1075	900	750	14
CHT-560	1035	710	1300	1100	900	14
CHT-630	1098	710	1300	1100	900	14

(*) Recommended nominal diameter for duct.

CVT

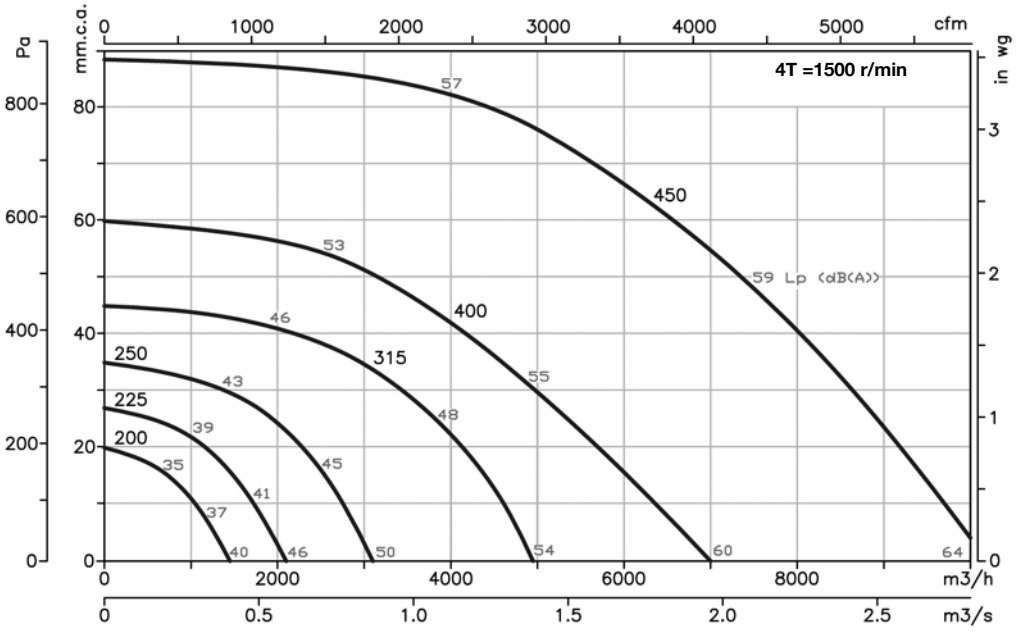


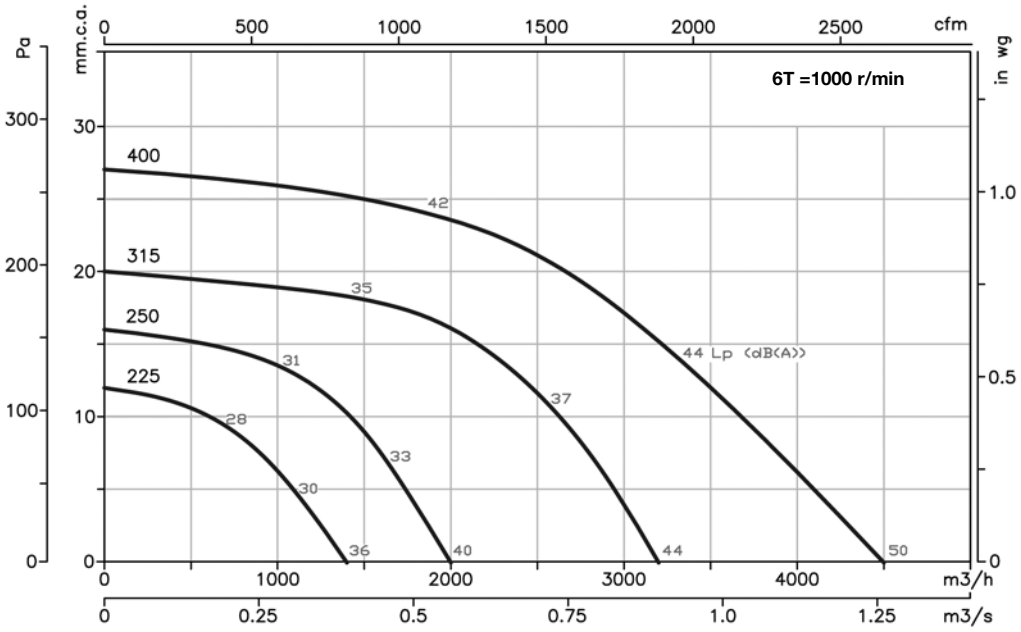
Model	A	A1	øD*	øF	G	H	øI
CVT-200	500	308	250	530	450	360	12
CVT-225	517	308	250	530	450	360	12
CVT-250	580	380	355	705	560	450	12
CVT-315	630	380	355	705	560	450	12
CVT-400	690	475	500	900	710	590	12
CVT-450	705	475	500	900	710	590	12
CVT-500	775	545	630	1100	900	750	14
CVT-560	956	676	710	1295	1100	900	14
CVT-630	1017	676	710	1295	1100	900	14

(*) Recommended nominal diameter for duct.

Characteristic curves

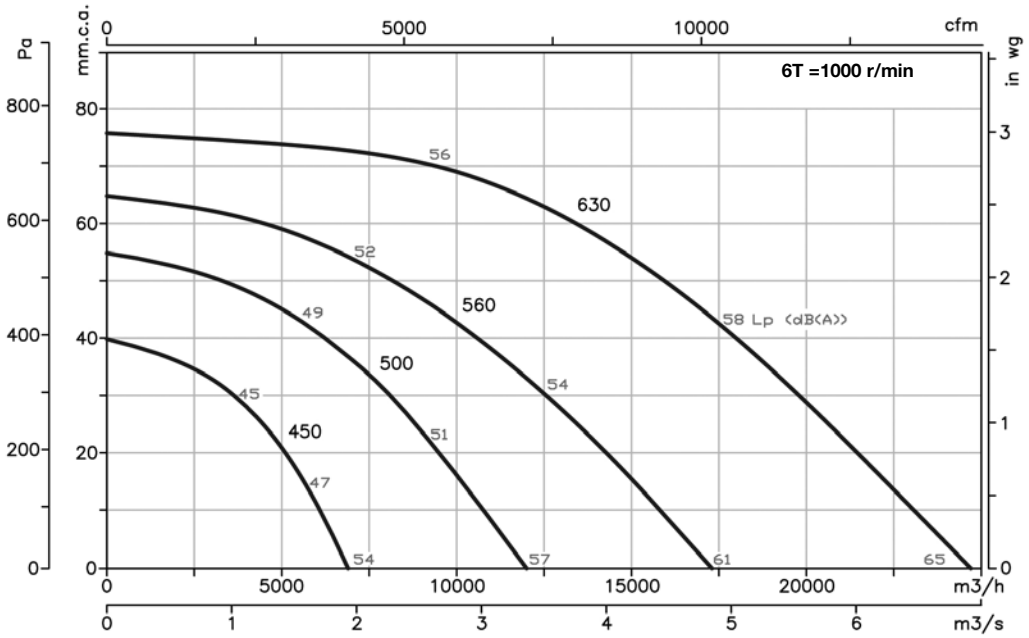
Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.
The Lp (dB(A)) sound levels given on the curves are free field pressure measurements at 6 metres at the inlet.





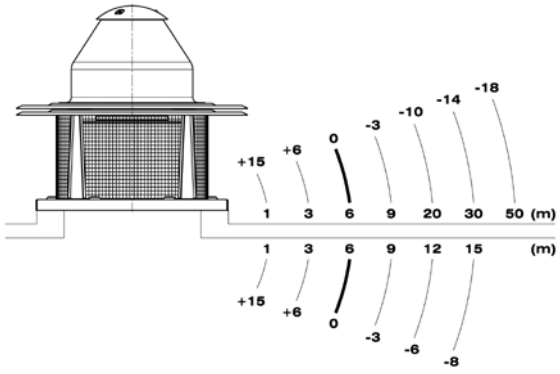
Characteristic curves

Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.
The Lp (dB(A)) sound levels given on the curves are free field pressure measurements at 6 metres at the inlet.



Variation of sound pressure depending on distance

The sound level may vary depending on the roof structure.



Accessories

See accessories section.

INT AR RFT/ RFM PANELS B MS PA PT S

HCT/MAR
HFT/MAR

HCT/MAR: Robust cased axial fans to fit in ducts for marine and naval applications
HFT/MAR: Cased axial fans to beginning in duct for marine and naval applications

HCT/MAR

HFT/MAR

Circular helicoidal fans with two flanges (HFT) or tubular fans to fit into a duct (HCT) for working in marine environments and equipped with a motor for marine service.

Fan:
- HFT/MAR: Support ring with two hot-galvanised flanges in sheet steel of great strength
- HCT/MAR: Tubular hot-galvanised casing in sheet steel of great strength, to fit between ducts
- Impeller made from cast aluminium
- Incorporates with inspection hatch (HCT)
- Airflow direction from motor to impeller

Motor:
- Class F motors for marine service, with ball bearings, IP55 protection, with compliance with the classification for naval service not essential.
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 60ºC.

Finish:
- Hot galvanised anticorrosive

On request:
- Made from stainless steel
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Motors with built-in PTC
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)

The marine motors used may be certified by the majority of international naval classification bodies:

ABS: América Bureau of shipping	DNV: Det Norske Veritas	NK: Nippon Kaiji Kyokai
BV: Bureau Veritas	GL: Germanischer Lloyd	RINA: Registro Italiano Navale
CCS: China Classification Societies	KR: Korean Register of shipping	RS: Russian Maritime Register of Shipping
CR: China Corporation Register of Shiping	LR: Lloyd´s Register of Shipping	

Order code

HCT/MAR — 56 — 4T — 1,5

- ***HCT/MAR***: HCT/MAR: Cased axial fans for marine applications
HFT/MAR: Cased axial fans for marine applications
- ***56***: Impeller diameter (cm)
- ***4T***: Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
- ***T***: T=Three-phase
- ***1,5***: Power motor (c.v)

Technical characteristics

Model			Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) HCT/MAR	HFT/MAR
HCT/MAR		35-2T	2800	0.37	5750	77	13	
HCT/MAR		35-4T	1440	0.12	3100	59	12	
HCT/MAR		40-2T-1,5	2900	1.1	8750	84	27	
HCT/MAR		40-4T-0,33	1450	0.25	5100	64	21	
HCT/MAR		45-2T-2	2900	1.5	10300	86	30	
HCT/MAR		45-2T-3	2900	2.2	12800	88	33	
HCT/MAR		45-4T-0,5	1450	0.37	7100	68	25	
HCT/MAR		50-4T-0,75	1450	0.55	10300	70	27	
HCT/MAR	HFT/MAR	56-4T-0,75	1450	0.55	11000	72	32	22
HCT/MAR	HFT/MAR	56-4T-1	1450	0.75	12900	73	34	23
HCT/MAR	HFT/MAR	56-4T-1,5	1450	1.1	14000	74	36	27

Technical characteristics

Model			Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg) HCT/MAR	HFT/MAR
HCT/MAR	HFT/MAR	56-4T-2	1450	1.5	15300	75	39	29
HCT/MAR	HFT/MAR	56-6T -0,33	950	0.25	8400	61	31	19
HCT/MAR	HFT/MAR	56-6T -0,5	950	0.37	9300	61	34	21
HCT/MAR	HFT/MAR	56-6T -0,75	950	0.55	10000	62	34	23
HCT/MAR	HFT/MAR	63-4T-1	1450	0.75	14100	73	43	29
HCT/MAR	HFT/MAR	63-4T-1,5	1450	1.1	17000	74	45	32
HCT/MAR	HFT/MAR	63-4T-2	1450	1.5	18900	75	48	35
HCT/MAR	HFT/MAR	63-4T-3	1450	2.2	22000	76	53	43
HCT/MAR	HFT/MAR	63-4T-4	1450	3	25200	77	56	79
HCT/MAR	HFT/MAR	63-6T -0,5	950	0.37	12000	64	43	27
HCT/MAR	HFT/MAR	63-6T -0,75	950	0.55	12600	65	43	29
HCT/MAR	HFT/MAR	63-6T -1	950	0.75	13800	66	45	35
HCT/MAR	HFT/MAR	71-4T-1,5	1450	1.1	19900	78	51	35
HCT/MAR	HFT/MAR	71-4T-2	1450	1.5	21000	79	54	38
HCT/MAR	HFT/MAR	71-4T-3	1450	2.2	24000	81	60	47
HCT/MAR	HFT/MAR	71-4T-4	1450	3	29400	82	63	49
HCT/MAR	HFT/MAR	71-6T -0,75	950	0.55	15000	67	49	31
HCT/MAR	HFT/MAR	71-6T -1	950	0.75	17200	68	51	38
HCT/MAR	HFT/MAR	71-6T -1,5	950	1.1	21100	69	54	40
HCT/MAR	HFT/MAR	80-4T-3	1450	2.2	29500	82	69	55
HCT/MAR	HFT/MAR	80-4T-4	1450	3	37000	83	72	57
HCT/MAR	HFT/MAR	80-4T-5,5	1450	4	40500	84	74	62
HCT/MAR	HFT/MAR	80-6T -1	950	0.75	23000	71	60	46
HCT/MAR	HFT/MAR	80-6T -1,5	950	1.1	26000	72	63	48
HCT/MAR	HFT/MAR	80-6T -2	950	1.5	29700	73	71	54
HCT/MAR	HFT/MAR	80-6T -3	950	2.2	33500	74	74	59
HCT/MAR	HFT/MAR	90-4T-4	1450	3	40000	87	87	64
HCT/MAR	HFT/MAR	90-4T-5,5	1450	4	46500	89	90	69
HCT/MAR	HFT/MAR	90-4T-7,5	1450	5.5	51000	91	103	85
HCT/MAR	HFT/MAR	90-4T-10	1450	7.5	54700	92	111	96
HCT/MAR	HFT/MAR	90-6T -2	950	1.5	34300	77	86	61
HCT/MAR	HFT/MAR	90-6T -3	950	2.2	38000	78	90	66
HCT/MAR	HFT/MAR	90-6T -4	950	3	42400	79	102	90
HCT/MAR	HFT/MAR	100-4T-7,5	1450	5.5	54000	92	115	93
HCT/MAR	HFT/MAR	100-4T-10	1450	7.5	63000	93	122	104
HCT/MAR	HFT/MAR	100-4T-15	1460	11	68000	94	159	127
HCT/MAR	HFT/MAR	100-4T-20	1455	15	72000	95	178	146
HCT/MAR	HFT/MAR	100-6T -3	950	2.2	43000	82	101	74
HCT/MAR	HFT/MAR	100-6T -4	950	3	47000	83	113	98
HCT/MAR	HFT/MAR	100-6T -5,5	950	4	53000	84	120	106

Acoustic features

The specified values are determined according to free field measurements of pressure and 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.

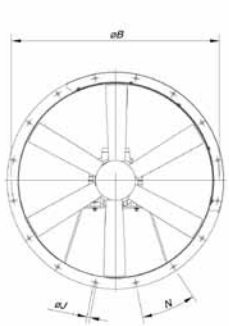
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

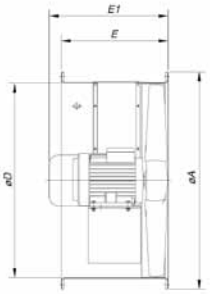
Model	63	125	250	500	1000	2000	4000	8000
35-2T	77	48	63	82	81	82	81	76	67
35-4T	59	30	45	64	63	64	63	58	49
40-2T-1.5	84	55	70	89	88	89	88	83	74
40-4T-0.33	64	35	50	69	68	69	68	63	54
45-2T-2	86	51	68	80	88	93	93	89	82
45-2T-3	88	53	70	82	90	95	95	91	84
45-4T-0,5	68	33	50	62	70	75	75	71	64
50-4T-0,75	70	37	54	67	74	79	80	75	68
56-4T-0,75	72	47	67	75	80	82	79	72	61
56-4T-1	73	48	68	76	81	83	80	73	62
56-4T-1,5	74	49	69	77	82	84	81	74	63
56-4T-2	75	50	70	78	83	85	82	75	64
56-6T -0,33	61	36	56	64	69	71	68	61	50
56-6T -0,5	61	36	56	64	69	71	68	61	50
56-6T -0,75	62	37	57	65	70	72	69	62	51
63-4T-1	73	50	70	78	83	85	82	75	64
63-4T-1,5	74	51	71	79	84	86	83	76	65
63-4T-2	75	52	72	80	85	87	84	77	66
63-4T-3	76	53	73	81	86	88	85	78	67
63-4T-4	77	54	74	82	87	89	86	79	68
63-6T -0,5	64	41	61	69	74	76	73	66	55
63-6T -0,75	65	42	62	70	75	77	74	67	56
63-6T -1	66	43	63	71	76	78	75	68	57
71-4T-1,5	78	55	75	83	88	90	87	80	69
71-4T-2	79	56	76	84	89	91	88	81	70
71-4T-3	81	58	78	86	91	93	90	83	72

Model	63	125	250	500	1000	2000	4000	8000
71-4T-4	82	59	79	87	92	94	91	84	73
71-6T -0,75	67	44	64	72	77	79	76	69	58
71-6T -1	68	45	65	73	78	80	77	70	59
71-6T -1,5	69	46	66	74	79	81	78	71	60
80-4T-3	82	59	79	87	92	94	91	84	73
80-4T-4	83	60	80	88	93	95	92	85	74
80-4T-5,5	84	61	81	89	94	96	93	86	75
80-6T -1	71	48	68	76	81	83	80	73	62
80-6T -1,5	72	49	69	77	82	84	81	74	63
80-6T -2	73	50	70	78	83	85	82	75	64
80-6T -3	74	51	71	79	84	86	83	76	65
90-4T-4	87	65	86	93	98	101	97	90	79
90-4T-5,5	89	67	88	95	100	103	99	92	81
90-4T-7,5	91	69	90	97	102	105	101	94	83
90-4T-10	92	70	91	98	103	106	102	95	84
90-6T -2	77	55	76	83	88	91	87	80	69
90-6T -3	78	56	77	84	89	92	88	81	70
90-6T -4	79	57	78	85	90	93	89	82	71
100-4T-7,5	92	72	92	100	105	107	104	97	86
100-4T-10	93	73	93	101	106	108	105	98	87
100-4T-15	94	74	94	102	107	109	106	99	88
100-4T-20	95	75	95	103	108	110	107	100	89
100-6T -3	82	62	82	90	95	97	94	87	76
100-6T -4	83	63	83	91	96	98	95	88	77
100-6T -5,5	84	64	84	92	97	99	96	89	78

Dimensions in mm

HCT/MAR

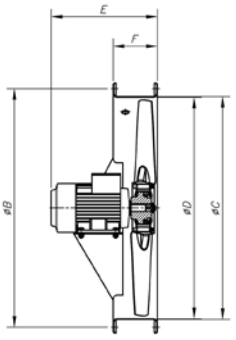


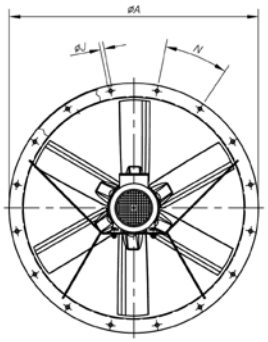


Model	∅A	∅B	D	E	E1	∅J	N
HCT/MAR-35-2T	425	395	355	230	230	10	8x45
HCT/MAR-35-4T	425	395	355	230	230	10	8x45
HCT/MAR-40-2T-1,5	490	450	410	320	351	12	8x45
HCT/MAR-40-4T-0,33	490	450	410	320	320	12	8x45
HCT/MAR-45-2T-2	540	500	460	360	379	12	8x45
HCT/MAR-45-2T-3	540	500	460	360	379	12	8x45
HCT/MAR-45-4T-0,5	540	500	460	360	370	12	8x45
HCT/MAR-50-4T-0,75	600	560	514	360	366	12	12x30
HCT/MAR-56-4T-0,75	660	620	560	400	400	12	12x30
HCT/MAR-56-4T-1	660	620	560	400	400	12	12x30
HCT/MAR-56-4T-1,5	660	620	560	400	420	12	12x30
HCT/MAR-56-4T-2	660	620	560	400	420	12	12x30
HCT/MAR-56-6T-0,33	660	620	560	400	400	12	12x30
HCT/MAR-56-6T-0,5	660	620	560	400	400	12	12x30
HCT/MAR-56-6T-0,75	660	620	560	400	400	12	12x30
HCT/MAR-63-4T-1	730	690	640	430	430	12	12x30
HCT/MAR-63-4T-1,5	730	690	640	430	430	12	12x30
HCT/MAR-63-4T-2	730	690	640	430	430	12	12x30
HCT/MAR-63-4T-3	730	690	640	430	490	12	12x30
HCT/MAR-63-4T-4	730	690	640	430	490	12	12x30
HCT/MAR-63-6T-0,5	730	690	640	430	430	12	12x30
HCT/MAR-63-6T-0,75	730	690	640	430	430	12	12x30
HCT/MAR-63-6T-1	810	690	640	430	430	12	12x30
HCT/MAR-71-4T-1,5	810	770	710	500	500	12	16x2230'
HCT/MAR-71-4T-2	810	770	710	500	500	12	16x2230'
HCT/MAR-71-4T-3	810	770	710	500	517	12	16x2230'

Model	∅A	∅B	D	E	E1	∅J	N
HCT/MAR-71-4T-4	810	770	710	500	517	12	16x2230'
HCT/MAR-71-6T-0,75	810	770	710	500	500	12	16x2230'
HCT/MAR-71-6T-1	810	770	710	500	500	12	16x2230'
HCT/MAR-71-6T-1,5	810	770	710	500	500	12	16x2230'
HCT/MAR-80-4T-3	900	860	800	500	517	12	16x2230'
HCT/MAR-80-4T-4	900	860	800	500	517	12	16x2230'
HCT/MAR-80-4T-5,5	900	860	800	500	535	12	16x2230'
HCT/MAR-80-6T-1	900	860	800	500	500	12	16x2230'
HCT/MAR-80-6T-1,5	900	860	800	500	500	12	16x2230'
HCT/MAR-80-6T-2	900	860	800	500	517	12	16x2230'
HCT/MAR-80-6T-3	900	860	800	500	535	12	16x2230'
HCT/MAR-90-4T-4	1015	970	900	500	517	15	16x2230'
HCT/MAR-90-4T-5,5	1015	970	900	500	535	15	16x2230'
HCT/MAR-90-4T-7,5	1015	970	900	500	571	15	16x2230'
HCT/MAR-90-4T-100	1015	970	900	500	616	15	16x2230'
HCT/MAR-90-6T-2	1015	970	900	500	517	15	16x2230'
HCT/MAR-90-6T-3	1015	970	900	500	535	15	16x2230'
HCT/MAR-90-6T-4	1015	970	900	500	571	15	16x2230'
HCT/MAR-100-4T-7,5	1115	1070	1000	550	567	15	16x2230'
HCT/MAR-100-4T-10	1115	1070	1000	550	612	15	16x2230'
HCT/MAR-100-4T-15	1115	1070	1000	650	701	15	16x2230'
HCT/MAR-1004T-20	1115	1070	1000	650	701	15	16x2230'
HCT/MAR-100-6T-3	1115	1070	1000	550	565	15	16x2230'
HCT/MAR-100-6T-4	1115	1070	1000	550	567	15	16x2230'
HCT/MAR-100-6T-5,5	1115	1070	1000	550	612	15	16x2230'

HFT/MAR





					E															
Model	øA	øB	øC	øD	0,33	0,5	0,75	1	1,5	2	3	4	5,5	7,5	10	15	20	F	øJ	N
HFT/MAR-56-4	660	620	564	560	-	-	344	344	376	376	-	-	-	-	-	-	-	150	12	12x30°
HFT/MAR-56-6	660	620	564	560	310	344	344	-	-	-	-	-	-	-	-	-	-	150	12	12x30°
HFT/MAR-63-4	730	690	645	640	-	-	-	325	398	398	430	430	-	-	-	-	-	150	12	12x30°
HFT/MAR-63-6	730	690	645	640	-	325	325	398	-	-	-	-	-	-	-	-	-	150	12	12x30°
HFT/MAR-71-4	810	770	715	710	-	-	-	-	400	400	440	440	-	-	-	-	-	150	12	16x22°30'
HFT/MAR-71-6	810	770	715	710	-	-	325	400	400	-	-	-	-	-	-	-	-	150	12	16x22°30'
HFT/MAR-80-4	900	860	805	800	-	-	-	-	-	-	425	425	445	-	-	-	-	180	12	16x22°30'
HFT/MAR-80-6	900	860	805	800	-	-	-	390	390	425	445	-	-	-	-	-	-	180	12	16x22°30'
HFT/MAR-80-8	900	860	805	800	-	390	390	425	-	-	-	-	-	-	-	-	-	180	12	16x22°30'
HFT/MAR-90-4	1015	970	906	900	-	-	-	-	-	-	-	430	440	470	470	-	-	180	15	16x22°30'
HFT/MAR-90-6	1015	970	906	900	-	-	-	-	-	430	440	470	-	-	-	-	-	180	15	16x22°30'
HFT/MAR-90-8	1015	970	906	900	-	-	-	430	430	440	470	-	-	-	-	-	-	180	15	16x22°30'
HFT/MAR-100-4	1115	1070	1006	1000	-	-	-	-	-	-	-	-	-	485	485	590	590	200	15	16x22°30'
HFT/MAR-100-6	1115	1070	1006	1000	-	-	-	-	-	-	440	485	485	-	-	-	-	200	15	16x22°30'

Characteristic Curves

See page 91

HTP

Cased high-pressure axial fans

High-pressure impeller

Robust cased axial high-pressure fans, especially designed for mining and naval installations or applications with large losses of load

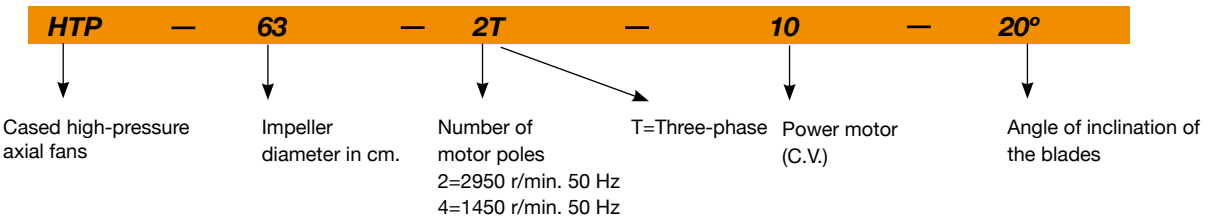
Fan:
- Sheet steel thick long casing
- Motor base welded to the casing
- Guidelines for high aerodynamic performance for pressure gain
- Optimum surface protection by means of high-quality steel.
- High-performance, cast aluminium impeller.
- Airflow direction from impeller to motor
- Electrical connection in outside terminal board.

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP-55 protection
- Three-phase 230/400V.-50Hz (up to 5.5CV) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -20ºC +70ºC

Finish:
- High-protection, anti-corrosion steel, specially primed and high-quality paint for corrosive environments.
- Finish surface quality C3H

On request:
- Finish surface quality C4H, C5M

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m³/h)	Approx. weight (Kg)	NPS dB(A)
HTP-50-2T-4	2920	10.09	5.80	-	3.00	13850	49	82
HTP-50-2T-5,5	2920	13.22	7.60	-	4.00	16450	65	83
HTP-56-2T-5,5	2920	13.22	7.60	-	4.00	18050	69	88
HTP-56-2T-10	2920	-	14.00	8.12	7.50	25500	147	89
HTP-63-2T-10	2920	-	14.00	8.12	7.50	23850	94	94
HTP-63-2T-15	2950	-	19.20	11.13	11.00	29400	94	94
HTP-63-2T-20	2950	-	26.00	15.07	15.00	34400	97	97
HTP-63-2T-25	2950	-	31.50	18.26	18.50	37200	98	98
HTP-63-2T-30	2950	-	39.50	22.90	22.00	39800	99	99
HTP-63-4T-1,5	1430	4.17	2.40	-	1.10	12850	79	79
HTP-63-4T-2	1430	5.74	3.30	-	1.50	15650	79	79
HTP-63-4T-3	1450	8.00	4.60	-	2.20	18600	83	83
HTP-63-4T-4	1450	10.96	6.30	-	3.00	19900	84	84
HTP-71-2T-15	2950	-	19.20	11.13	11.00	32850	93	93
HTP-71-2T-20	2950	-	26.00	15.07	15.00	39250	95	95
HTP-71-2T-25	2950	-	31.50	18.26	18.50	43450	95	95
HTP-71-2T-30	2950	-	39.50	22.90	22.00	45500	95	95
HTP-71-2T-40	2950	-	51.60	29.91	30.00	52550	98	98
HTP-71-4T-2	1430	5.74	3.30	-	1.50	17500	83	83
HTP-71-4T-3	1450	8.00	4.60	-	2.20	20650	83	83
HTP-71-4T-4	1450	10.96	6.30	-	3.00	23950	84	84

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Approx. weight (Kg)	NPS dB(A)
HTP-71-4T-5,5	1450	15.30	8.80	-	4.00	27400	87	87
HTP-71-4T-7,5	1450	-	11.20	6.49	5.50	31700	90	90
HTP-80-4T-4	1450	10.96	6.30	-	3.00	19300	86	86
HTP-80-4T-5,5	1450	15.30	8.80	-	4.00	22850	86	86
HTP-80-4T-7,5	1450	-	11.20	6.49	5.50	28000	86	86
HTP-80-4T-10	1450	-	15.30	8.87	7.50	31500	87	87
HTP-80-4T-15	1450	-	20.90	12.12	11.00	40000	91	91
HTP-90-4T-7,5	1450	-	11.20	6.49	5.50	27450	90	90
HTP-90-4T-10	1450	-	15.30	8.87	7.50	32500	90	90
HTP-90-4T-15	1450	-	20.90	12.12	11.00	42200	90	90
HTP-90-4T-20	1450	-	28.50	16.52	15.00	50050	94	94
HTP-90-4T-25	1480	-	34.50	20.00	18.50	54550	95	95
HTP-90-4T-30	1480	-	40.90	23.71	22.00	61750	97	97
HTP-100-4T-15	1450	-	20.90	12.12	11.00	46100	93	93
HTP-100-4T-20	1450	-	28.50	16.52	15.00	56300	93	93
HTP-100-4T-25	1480	-	34.50	20.00	18.50	59900	93	93
HTP-100-4T-30	1480	-	40.90	23.71	22.00	69900	96	96
HTP-100-4T-40	1480	-	55.30	32.06	30.00	80500	98	98
HTP-125-4T-40	1480	-	55.30	32.06	30.00	81000	100	100
HTP-125-4T-50	1480	-	68.00	39.42	37.00	96800	100	100
HTP-125-4T-60	1480	-	81.30	47.13	45.00	105050	100	100
HTP-125-4T-75	1480	-	98.90	57.33	55.00	127800	100	100
HTP-125-4T-100	1480	-	135.00	78.26	75.00	147350	104	104
HTP-125-4T-125	1480	-	163.00	94.49	90.00	156800	105	105

Acoustic features

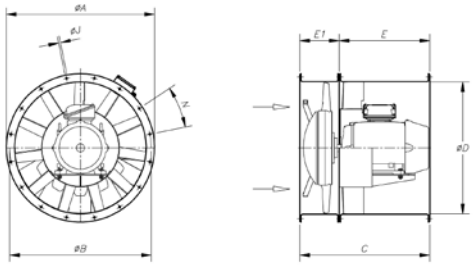
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

Model	LpdB(A)	63	125	250	500	1000	2000	4000	8000
HTP-50-2T-4	80	57	77	85	90	92	89	82	71
HTP-50-2T-5,5	81	58	78	86	91	93	90	83	72
HTP-56-2T-5,5	86	63	83	91	96	98	95	88	77
HTP-56-2T-10	87	64	84	92	97	99	96	89	78
HTP-63-2T-10	94	70	82	92	104	105	104	99	91
HTP-63-2T-15	94	70	82	92	104	105	104	99	91
HTP-63-2T-20	97	73	85	95	107	108	107	102	94
HTP-63-2T-25	98	74	86	96	108	109	108	103	95
HTP-63-2T-30	99	75	87	97	109	110	109	104	96
HTP-63-4T-1,5	79	55	67	77	89	90	89	84	76
HTP-63-4T-2	79	55	67	77	89	90	89	84	76
HTP-63-4T-3	83	59	71	81	93	94	93	88	80
HTP-63-4T-4	84	60	72	82	94	95	94	89	81
HTP-71-2T-15	93	65	83	93	102	104	103	100	93
HTP-71-2T-20	95	67	85	95	104	106	105	102	95
HTP-71-2T-25	95	67	85	95	104	106	105	102	95
HTP-71-2T-30	95	67	85	95	104	106	105	102	95
HTP-71-2T-40	98	70	88	98	107	109	108	105	98
HTP-71-4T-2	83	55	73	83	92	93	93	90	83
HTP-71-4T-3	83	55	72	83	92	93	93	90	83
HTP-71-4T-4	84	56	74	84	94	95	95	91	85
HTP-71-4T-5,5	87	59	77	87	97	98	98	95	88
HTP-71-4T-7,5	90	62	80	90	100	101	101	97	91

Model	63	125	250	500	1000	2000	4000	8000
HTP-80-4T-4	86	58	75	86	95	96	96	93	86
HTP-80-4T-5,5	86	58	76	86	95	96	96	93	86
HTP-80-4T-7,5	86	58	76	86	95	96	96	93	86
HTP-80-4T-10	87	59	77	87	97	98	98	94	88
HTP-80-4T-15	91	63	81	91	101	102	102	99	92
HTP-90-4T-7,5	90	62	79	90	99	100	100	97	90
HTP-90-4T-10	90	62	80	90	99	100	100	97	90
HTP-90-4T-15	90	62	80	90	100	101	101	98	91
HTP-90-4T-20	94	66	83	94	103	104	104	101	94
HTP-90-4T-25	95	67	85	95	104	105	105	102	95
HTP-90-4T-30	97	69	87	97	107	108	108	104	98
HTP-100-4T-15	93	65	83	93	102	103	103	100	93
HTP-100-4T-20	93	65	82	93	102	103	103	100	93
HTP-100-4T-25	93	65	83	93	102	103	103	100	93
HTP-100-4T-30	96	67	85	96	105	106	106	103	96
HTP-100-4T-40	98	70	88	98	107	108	108	105	98
HTP-125-4T-40	100	72	89	100	109	110	110	107	100
HTP-125-4T-50	100	72	90	100	109	110	110	107	100
HTP-125-4T-60	100	72	89	100	109	110	110	107	100
HTP-125-4T-75	100	72	90	100	110	111	111	108	101
HTP-125-4T-100	104	76	93	104	113	114	114	111	104
HTP-125-4T-125	105	77	95	105	114	115	115	112	105

Dimensions in mm



Model	Installed	ØA	ØB	ØD	E	E1	C	ØJ	N
HTP-50-2T		600	560	514	-	-	500	12	12x30°
HTP-56-2T		660	620	560	-	-	500	12	12x30°
HTP-63-2T		730	690	640	650	220	870	12	12x30°
HTP-63-4T		730	690	640	340	220	560	12	12x30°
HTP-71-2T		810	770	710	700	240	940	12	16x22°30'
HTP-71-4T		810	770	710	420	240	660	12	16x22°30'
HTP-80-4T	4 / 5'5	900	860	800	360	240	600	12	16x22°30'
HTP-80-4T	7'5 / 10 / 15	900	860	800	550	240	790	12	16x22°30'
HTP-90-4T	7'5 / 10	1015	970	900	420	250	670	15	16x22°30'
HTP-90-4T	15 / 20 / 25 / 30	1015	970	900	650	250	900	15	16x22°30'
HTP-100-4T	15 / 20	1115	1070	1000	550	270	820	15	16x22°30'
HTP-100-4T	25 / 30 / 40	1115	1070	1000	700	270	970	15	16x22°30'
HTP	-125	1360	1311	1258	-	-	810	14	20x18°

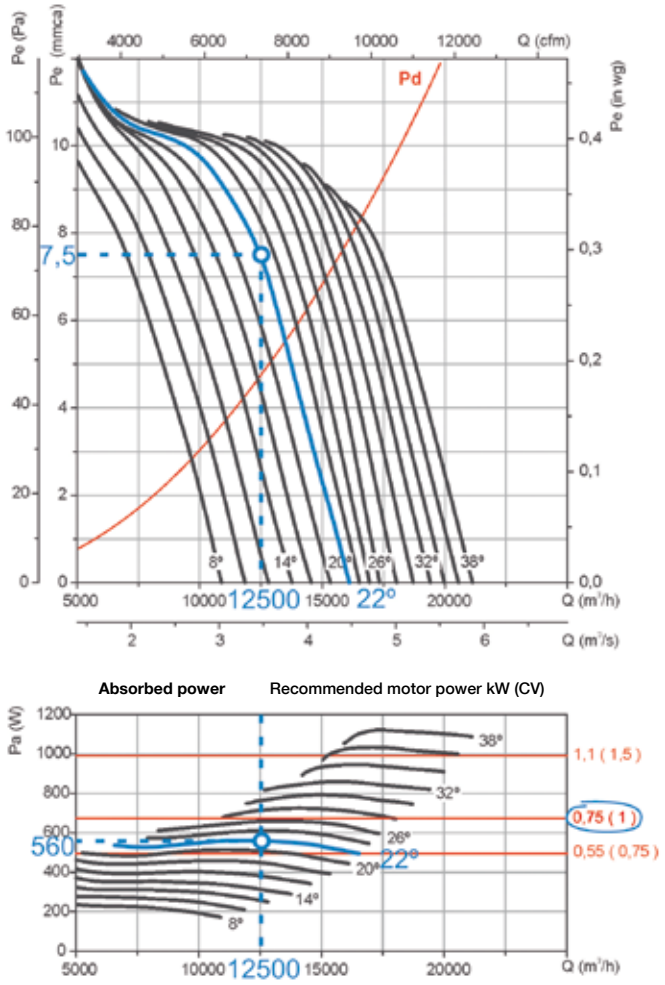
EXAMPLE OF SELECTION

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

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

HTP-63-4T



Initial data

- Working point:
- Airflow: 12,500 m³/h
- Loss of load: 7.5 mm w.c.

Steps for the selection of equipment

On the pressure graph:

- 1. Mark the working point, defined by the airflow (12,500 m³/h) and the loss of load (7.5 mm w.c.).
- 2. Select the curve of the equipment which is closest above the working point. In our case, a curve with a blade angle of 22º is obtained.

On the power graph:

- 3. Mark the working point, defined by the airflow (12,500 m3/h) and the selected blade angle (22º).
- 4. Read the absorbed power on the power axis on the left. Pa= 560 W at the working point.
- 5. Look for the straight red line which is closest to the working point above. On the right-hand side of the graph, the value of the installed motor power is obtained. In our case, this is 0.75 kW or 1 CV.

EXAMPLE OF ORDER CODE

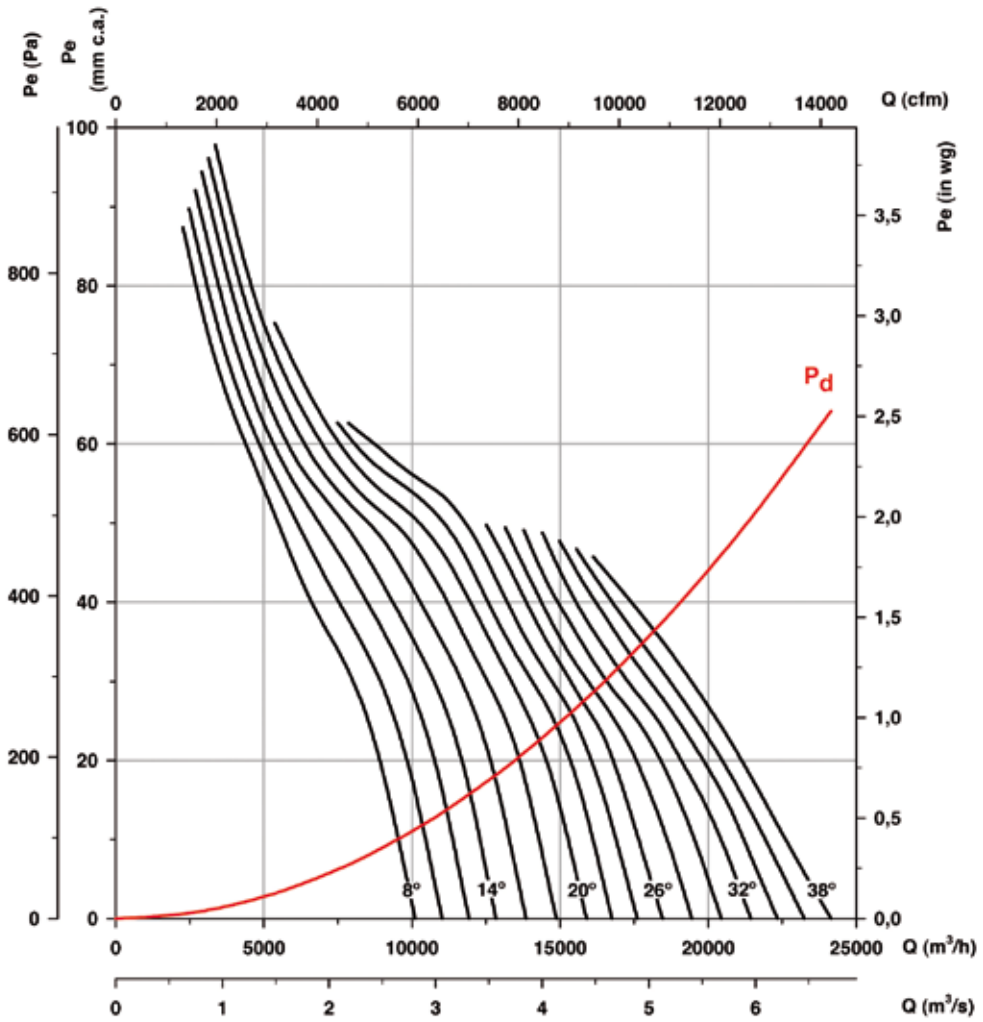
HTP	—	63	—	4T	—	1	—	22º
Cased high-pressure axial fans		Impeller diameter in cm.		Number of motor poles 4=1400 r/min. 50 Hz 6=900 r/min. 50 Hz 8=750 r/min. 50 Hz		T=Three-phase M=Single-phase		Power motor (C.V.)		Angle of inclination of the blades

Characteristic curves

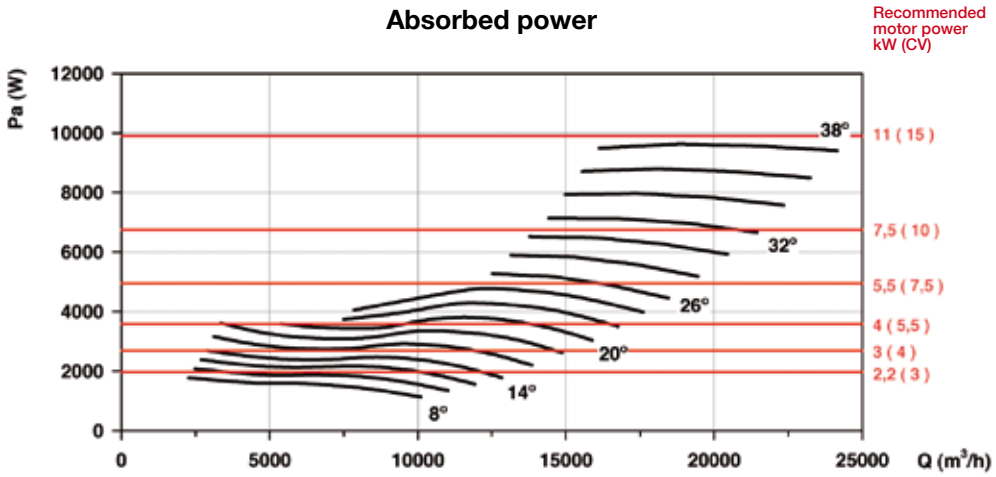
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-50-2T



Absorbed power

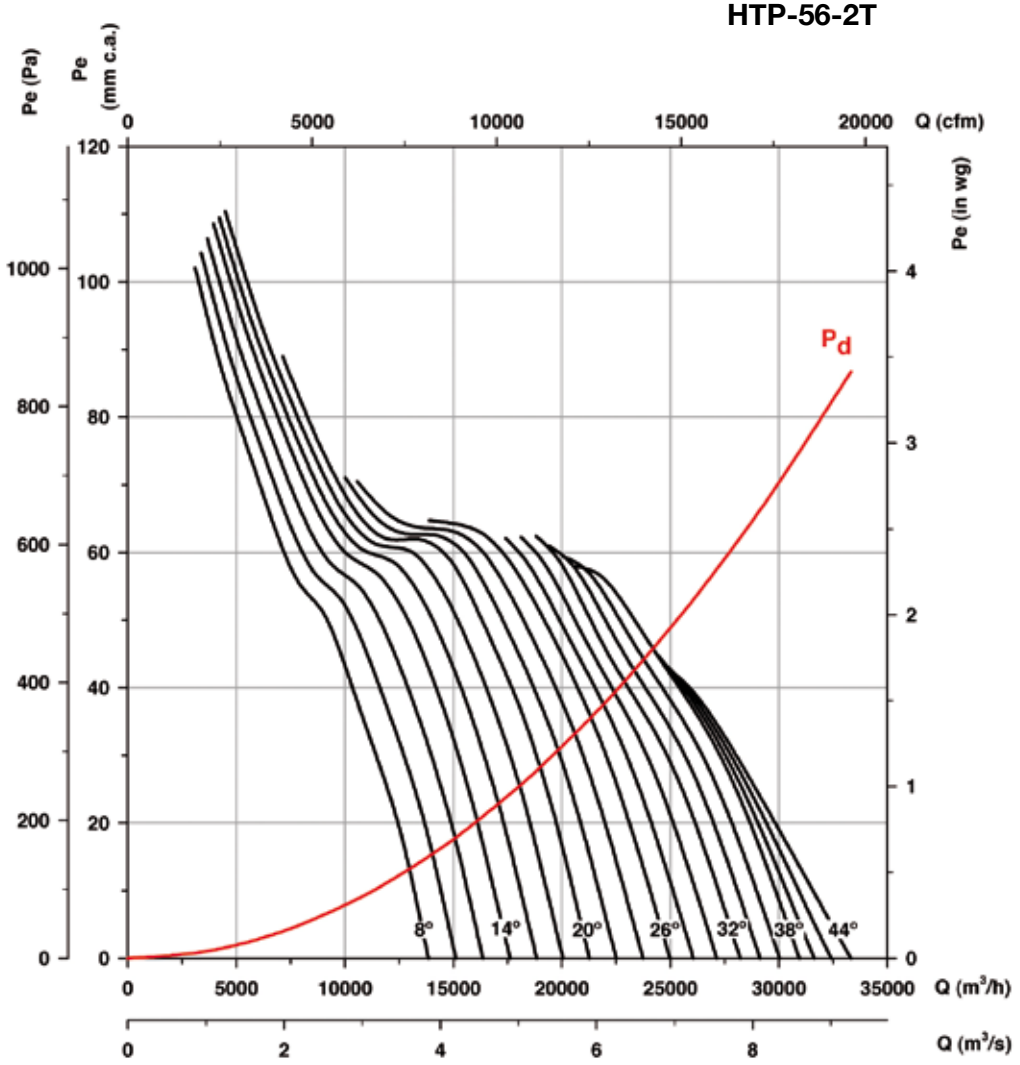


Characteristic curves

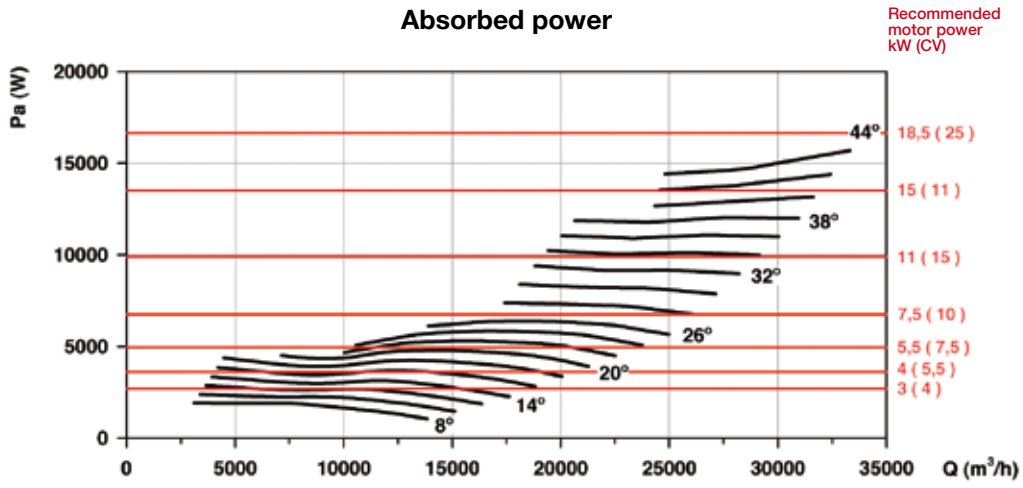
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-56-2T



Absorbed power

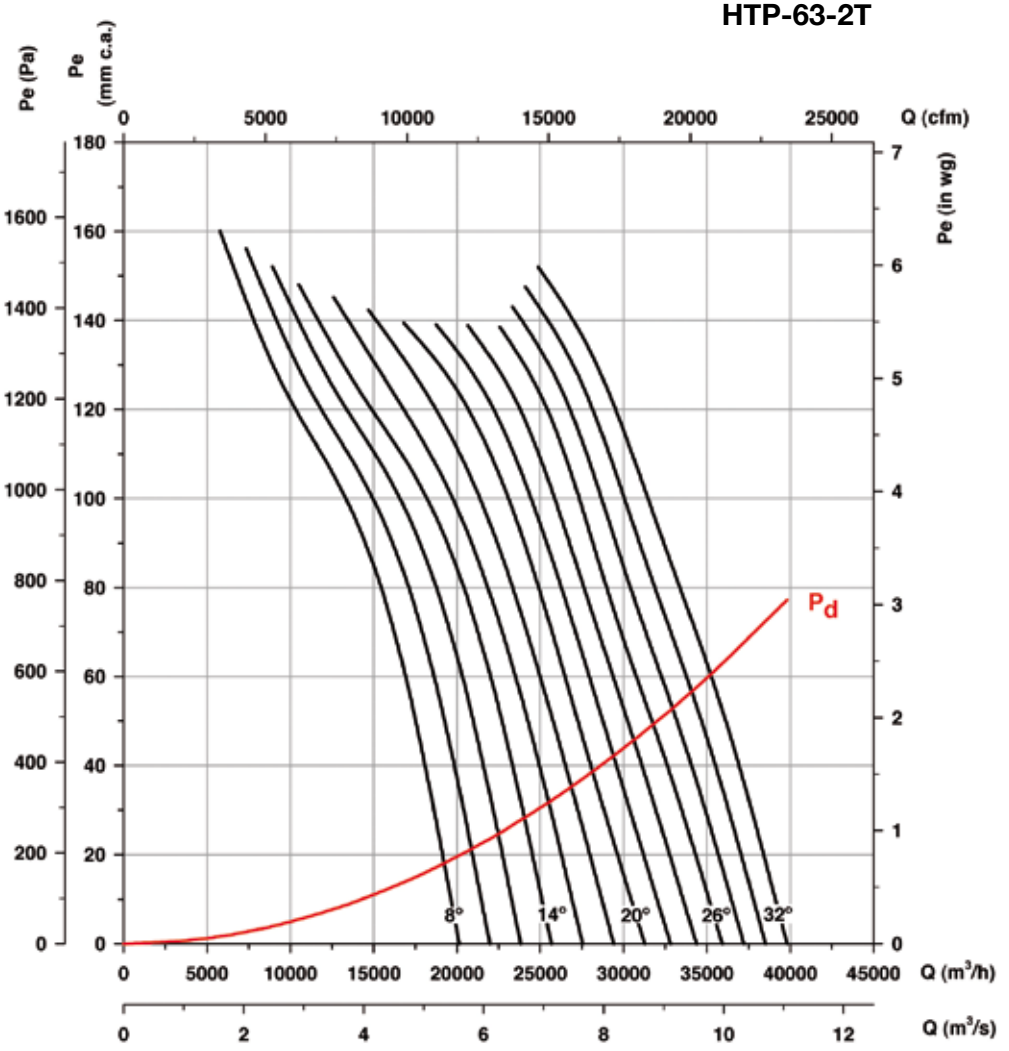


Characteristic curves

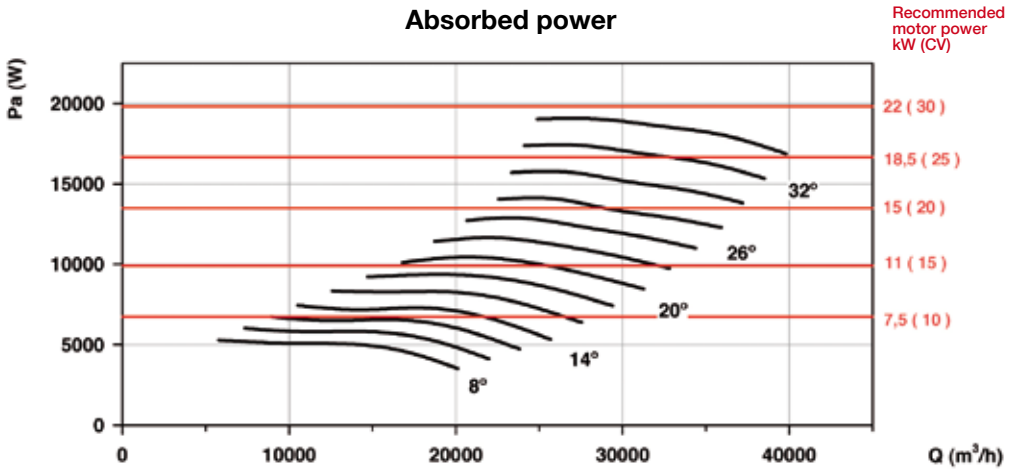
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-63-2T



Absorbed power

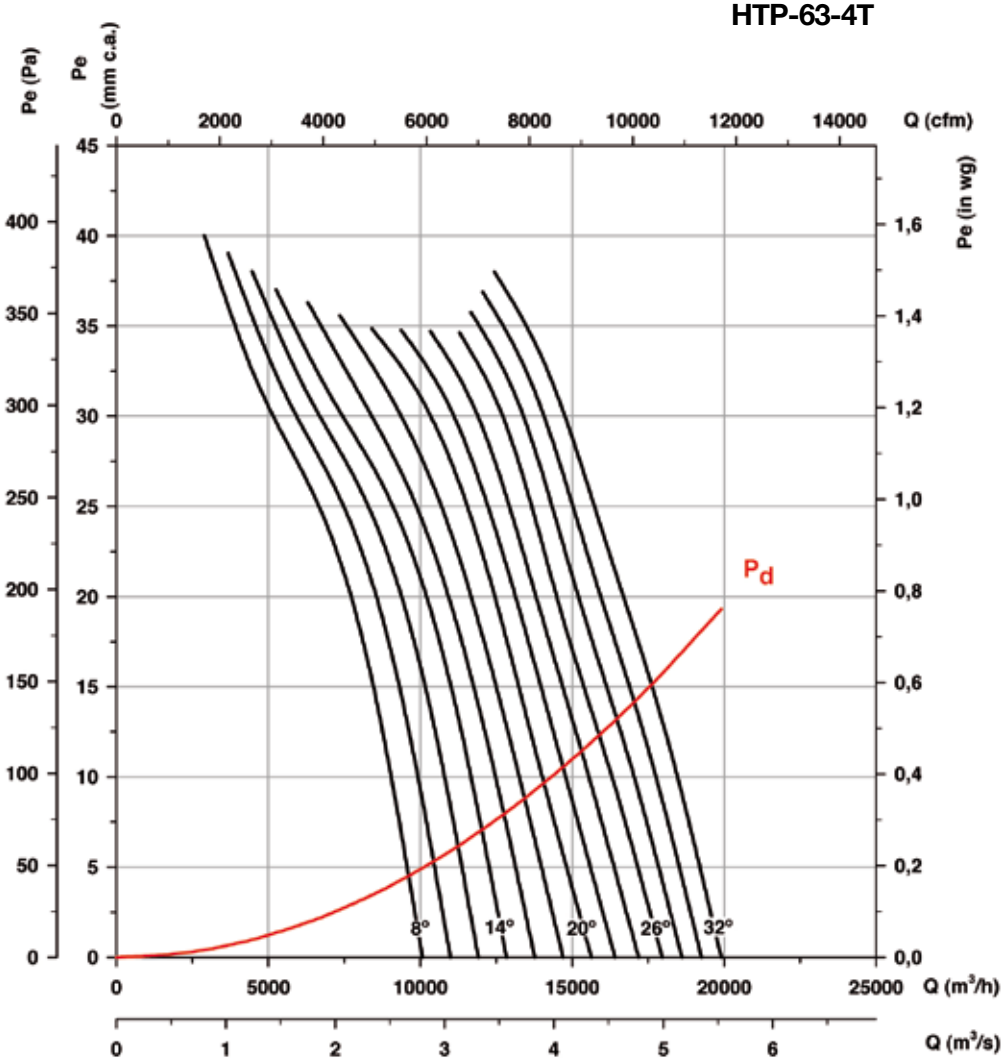


Characteristic curves

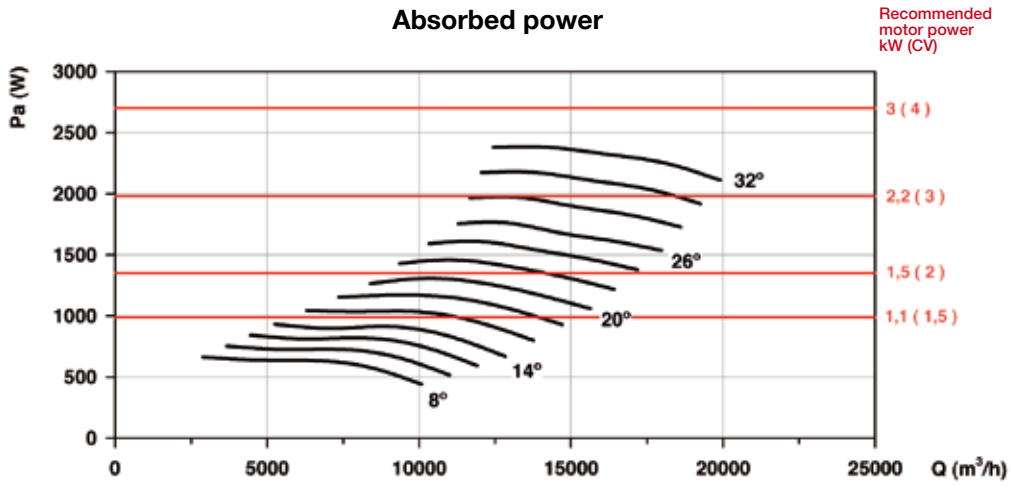
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-63-4T



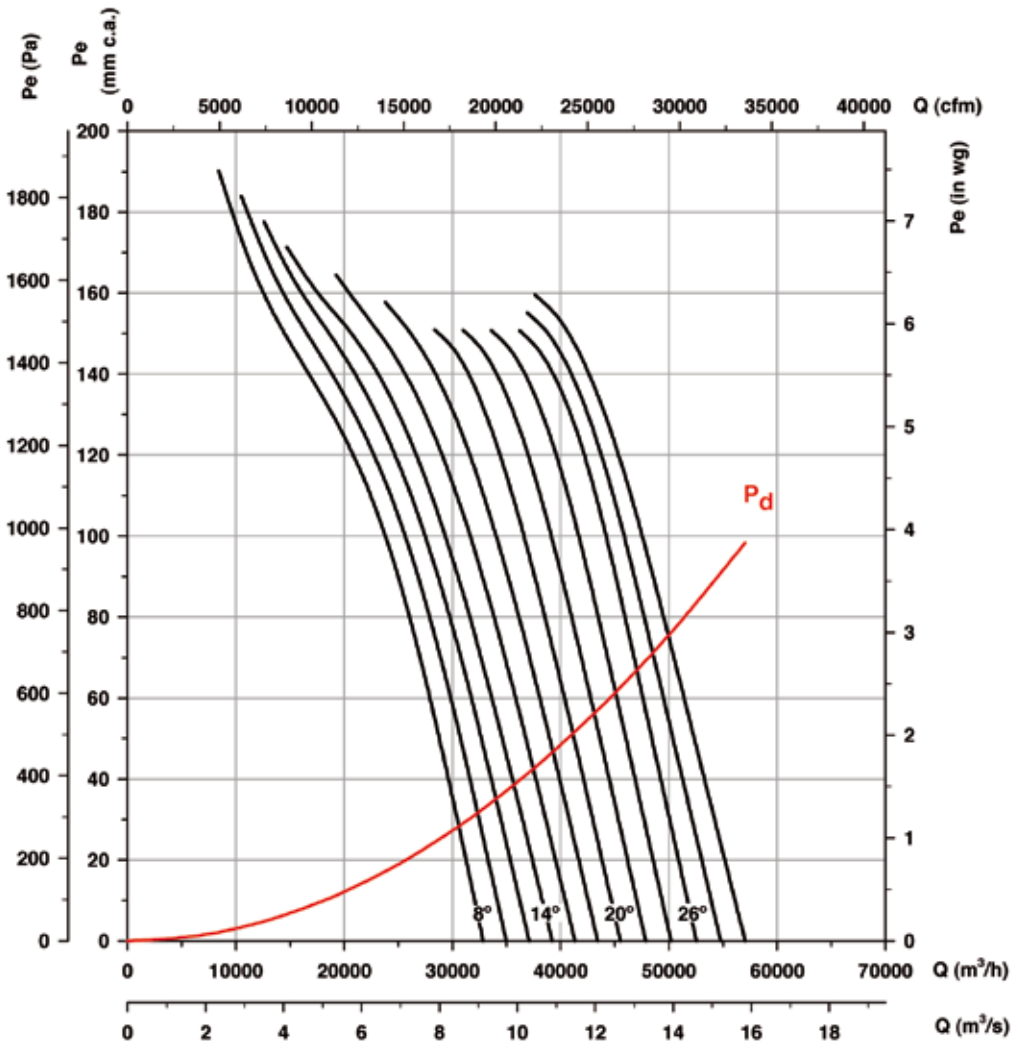
Absorbed power



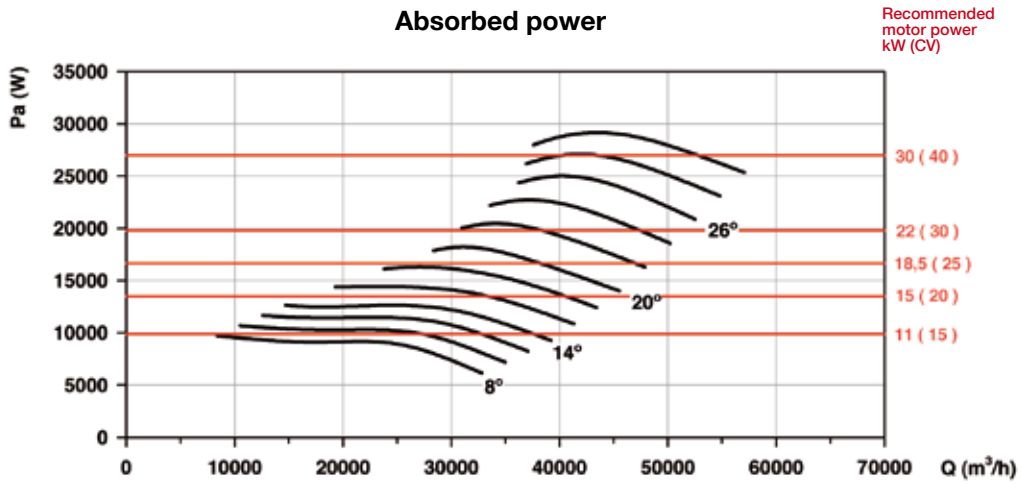
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

HTP-71-2T



Absorbed power

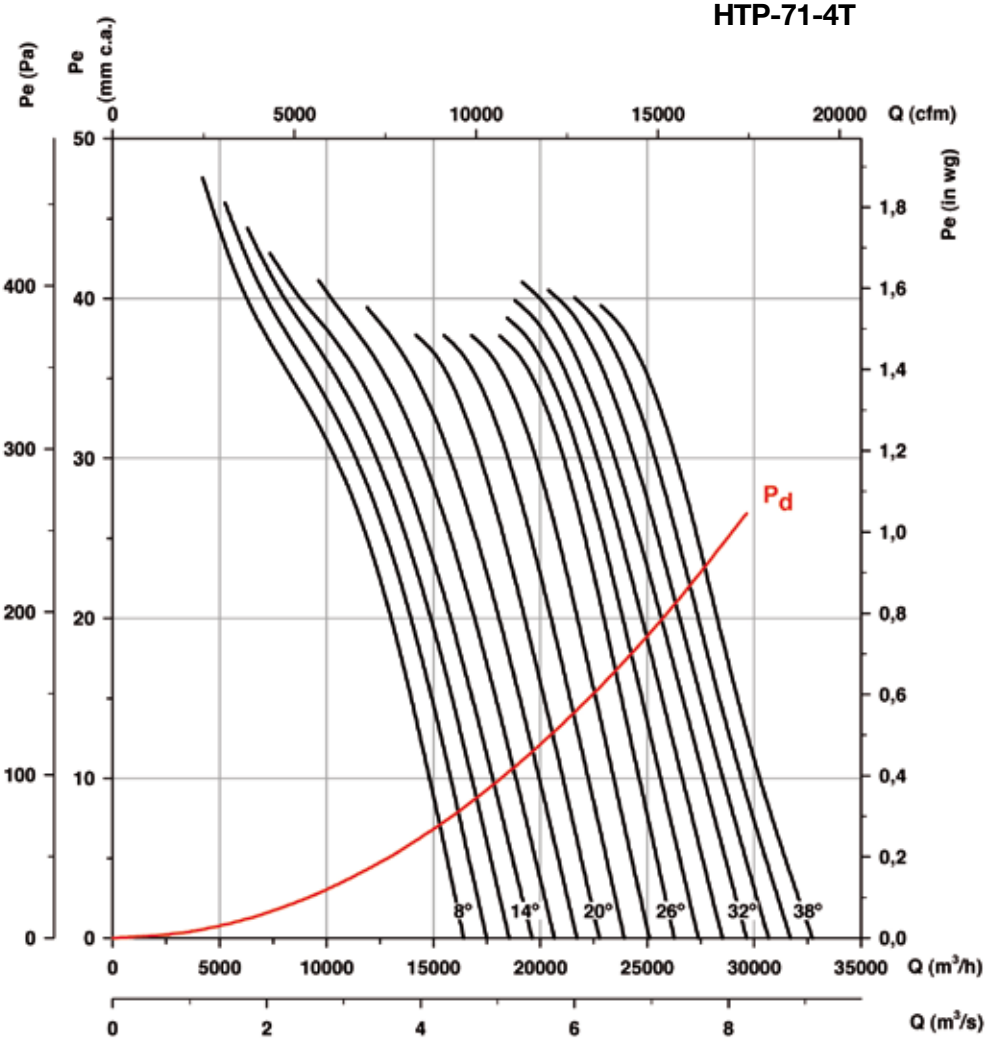


Characteristic curves

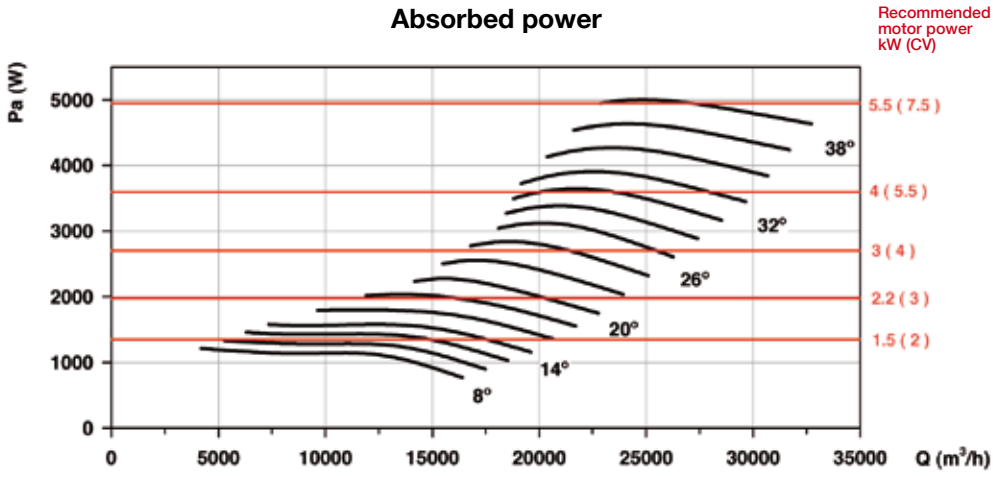
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-71-4T



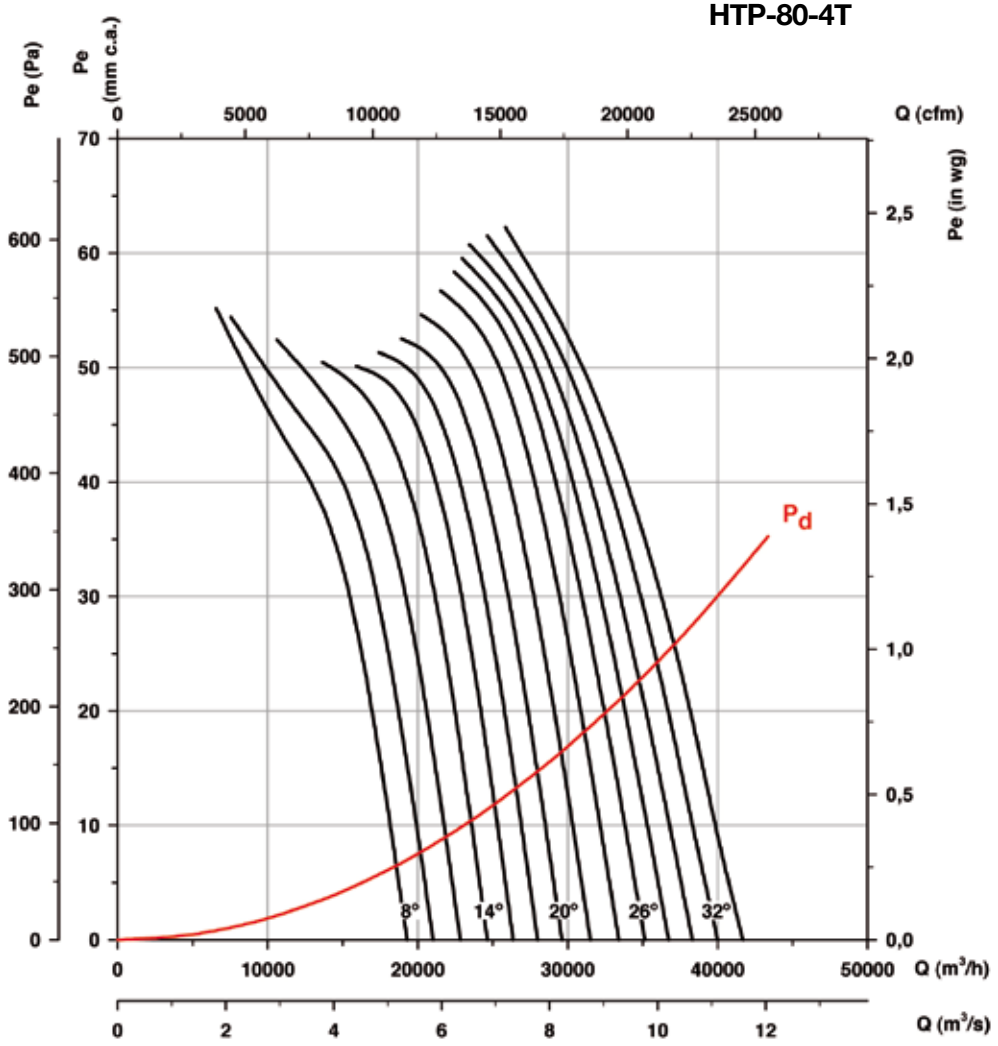
Absorbed power



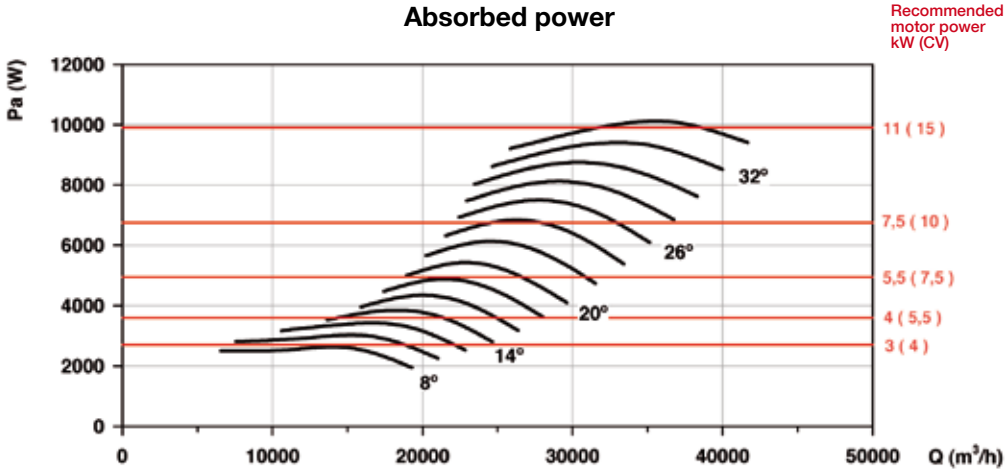
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

HTP-80-4T



Absorbed power

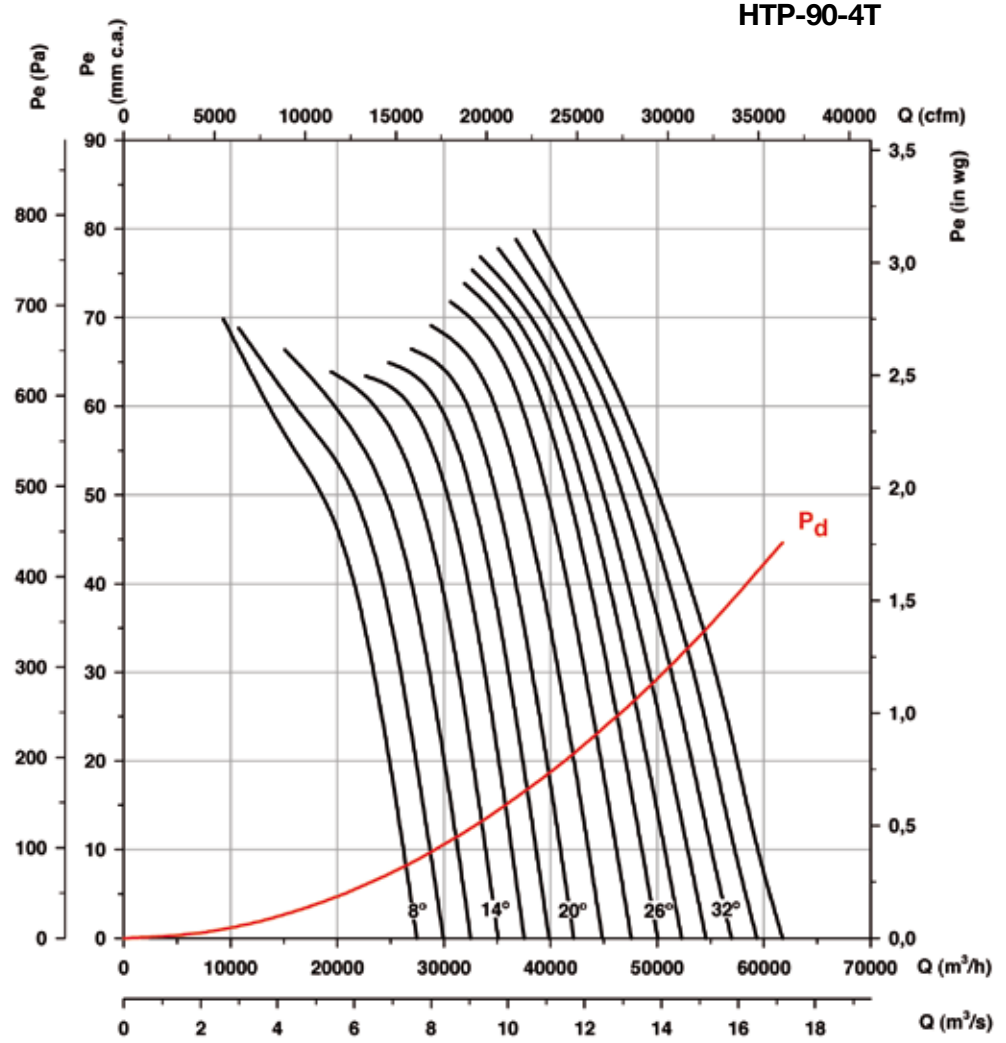


Characteristic curves

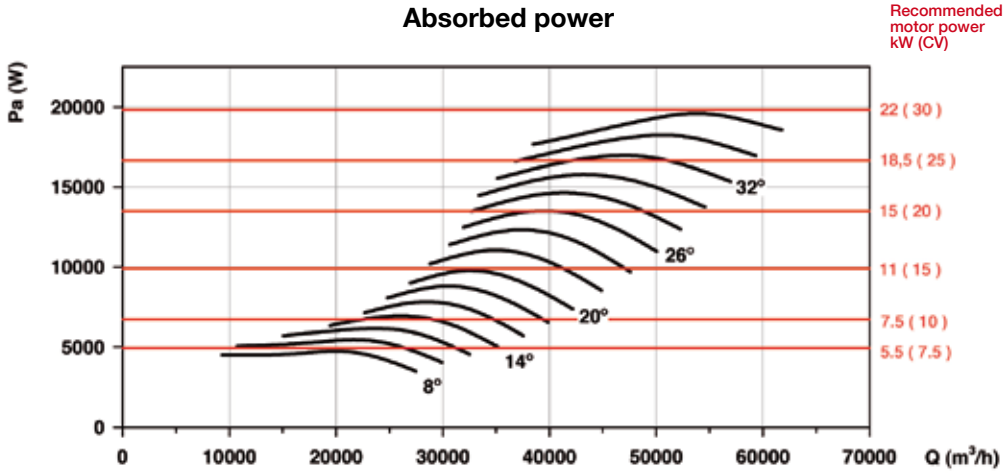
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-90-4T



Absorbed power

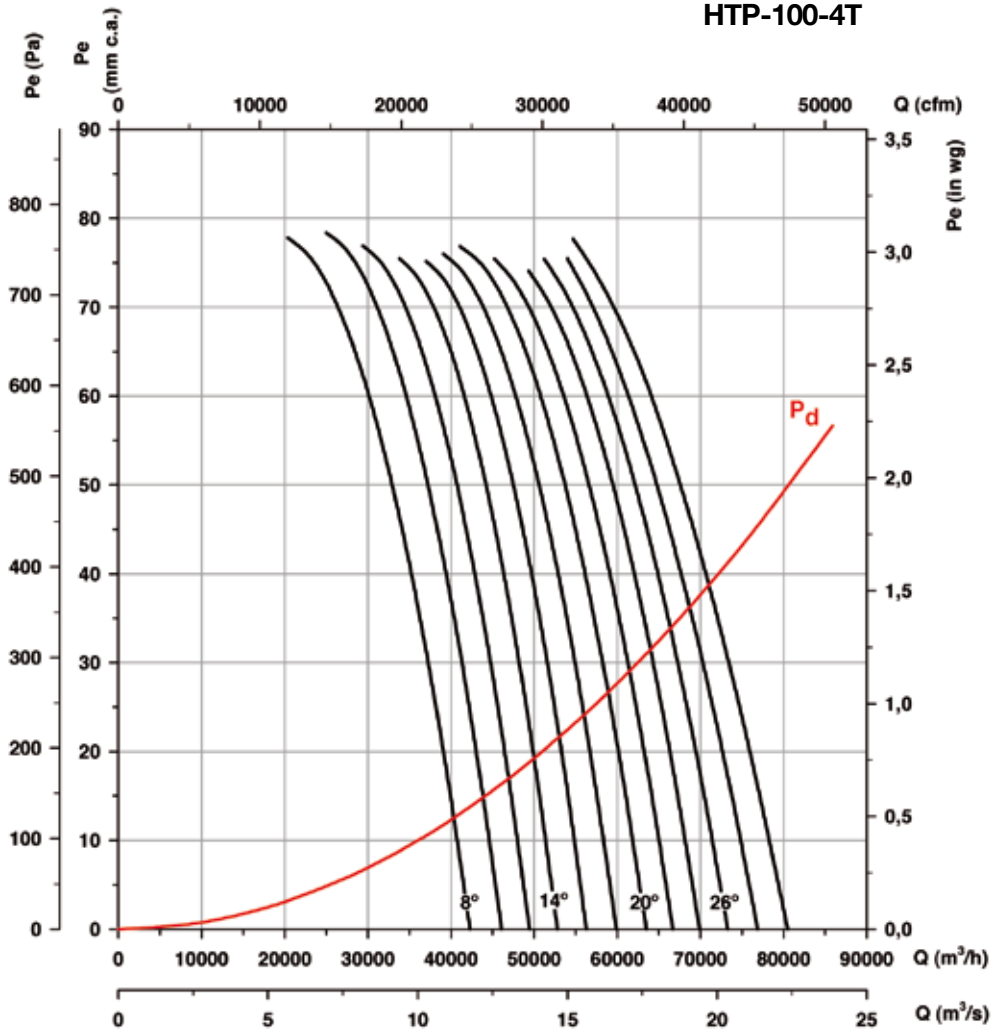


Characteristic curves

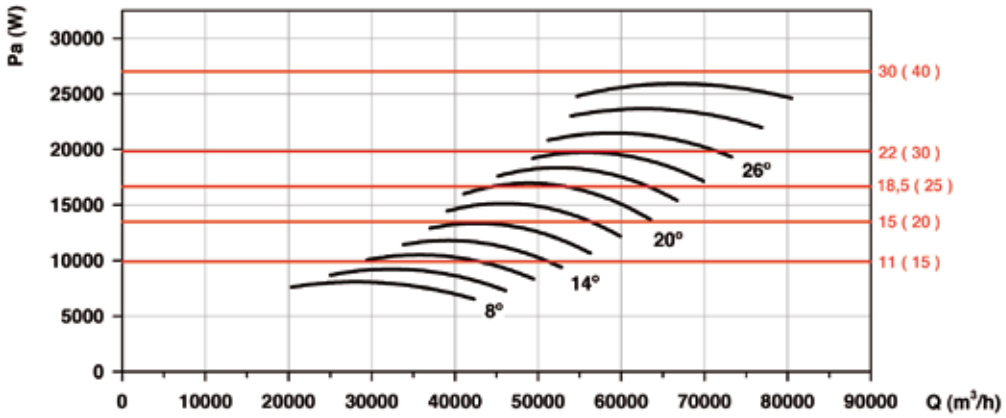
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-100-4T

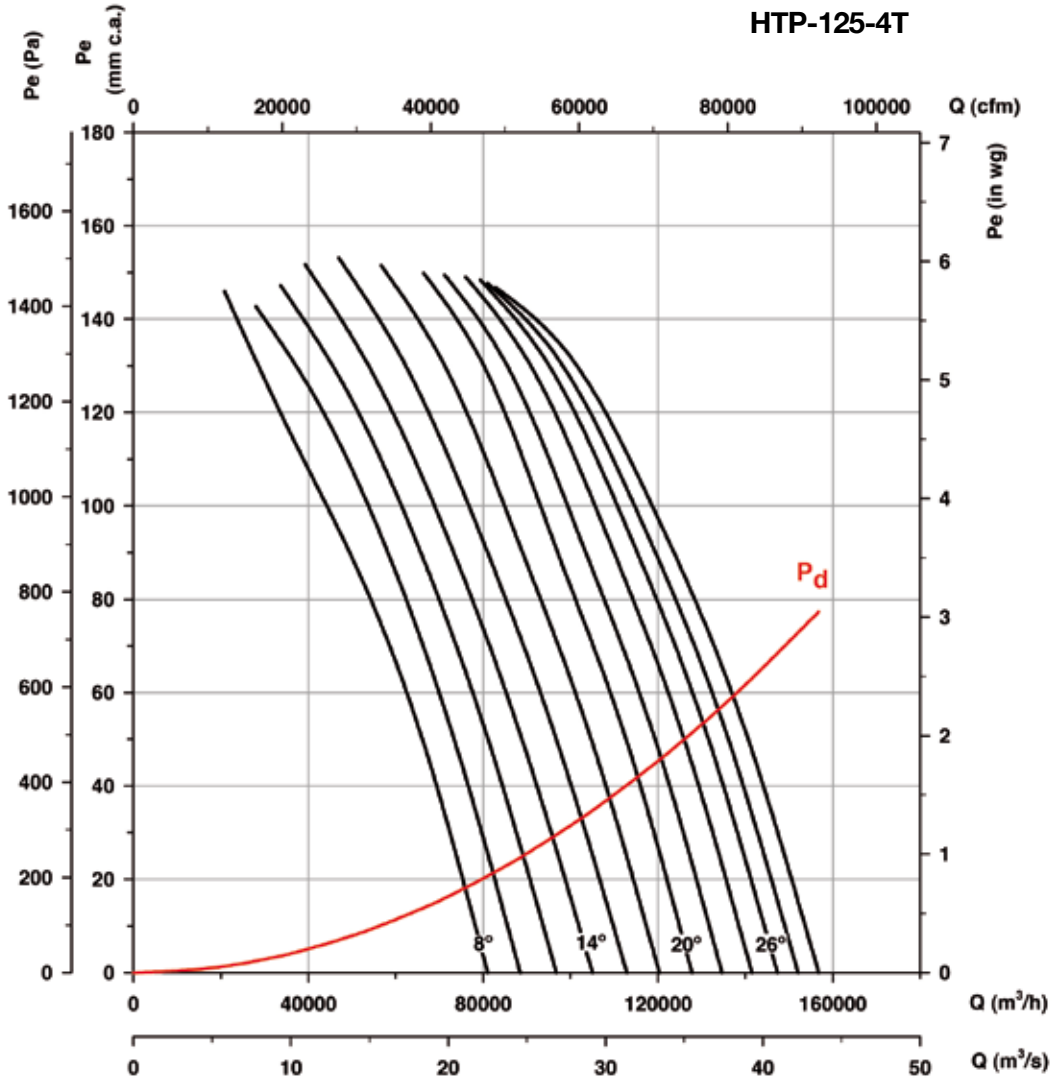


Absorbed power

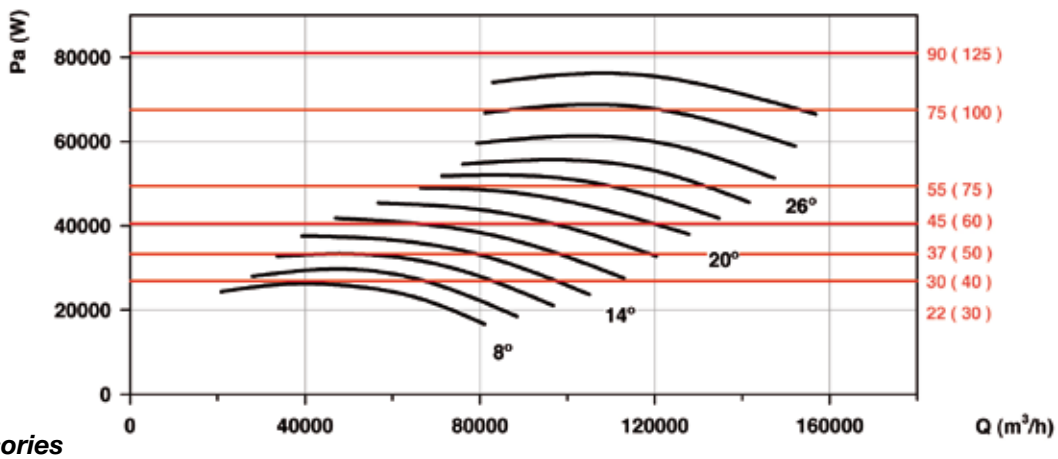


Characteristic curves

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



Absorbed power

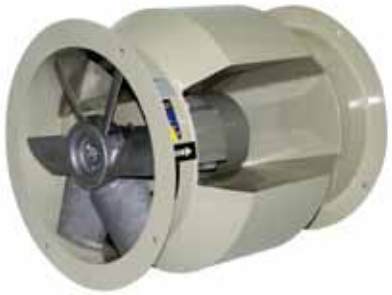


Accessories

See accessories section.

INT AR RFT/ RFM PANELS PL P RT BTUB BAC PS S

HBA



Forked tubular axial fans with motor outside the air flow

Forked tubular fans for moving air of up to 150ºC continuously and up to 200ºC sporadically

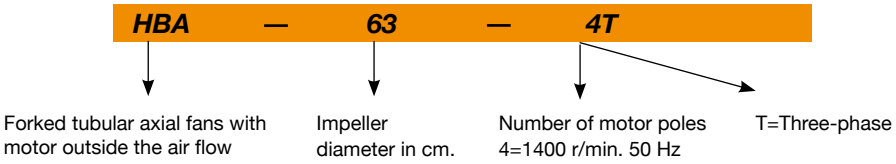
Fan:
- Sheet steel long casing
- Impeller made from cast aluminium
- Airflow direction from impeller to motor

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP-55 protection
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -25ºC. + 150ºC

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

On request:
- Casing made from stainless steel
- Hot galvanised finish
- Special windings for different voltages and motors with PTC
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)
- CE, NEMA, UL, CSA motors
- Finish surface quality C3H, C4H, C5M

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HBA-31-2T	2880	2.24	1.29	0.55	2900	77	25
HBA-31-2M	2810	3.50	-	0.55	2900	77	26
HBA-31-4T	1365	1.25	0.72	0.25	1600	66	24
HBA-31-4M	1380	2.15	-	0.25	1600	66	25
HBA-40-2T	2870	4.35	2.50	1.10	6200	82	45
HBA-40-2M	2810	6.80	-	1.10	6200	82	46
HBA-40-4T	1375	1.67	0.96	0.37	3200	75	40
HBA-45-2T	2920	10.09	5.80	3.00	8550	84	57
HBA-50-4T	1415	2.87	1.65	0.75	6750	76	73
HBA-63-4T	1435	4.17	2.40	1.10	11150	77	91
HBA-71-4T	1445	15.30	8.80	4.00	15850	79	164
HBA-71-6T	905	2.75	1.58	0.55	11200	74	140
HBA-80-6T	935	5.22	3.00	1.10	14900	77	190
HBA-100-6T	935	5.22	3.00	1.10	21700	80	260

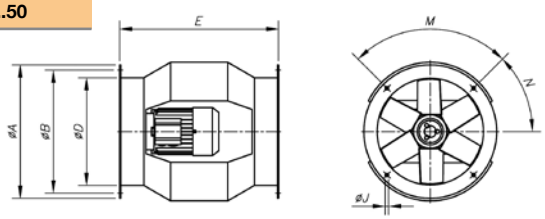
Accessories

See accessories section.

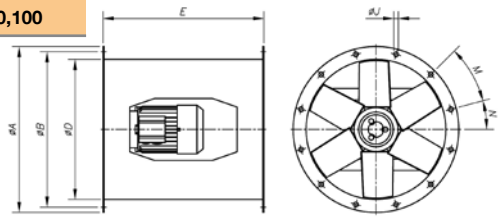
INT AR RFT/ RFM PANELS RT BTUB BAC PS S

Dimensions in mm

HBA-31...50



HBA-63..0,100

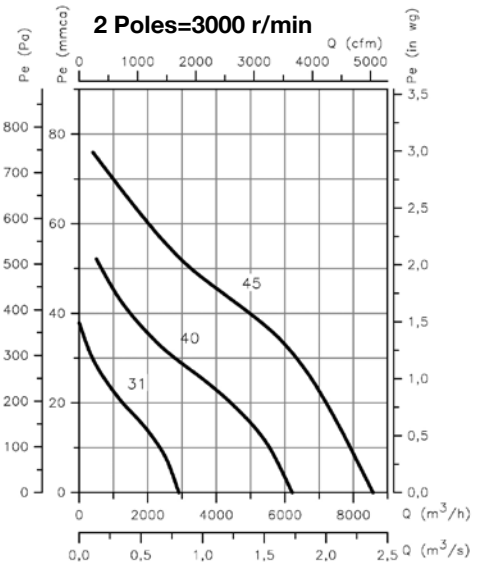


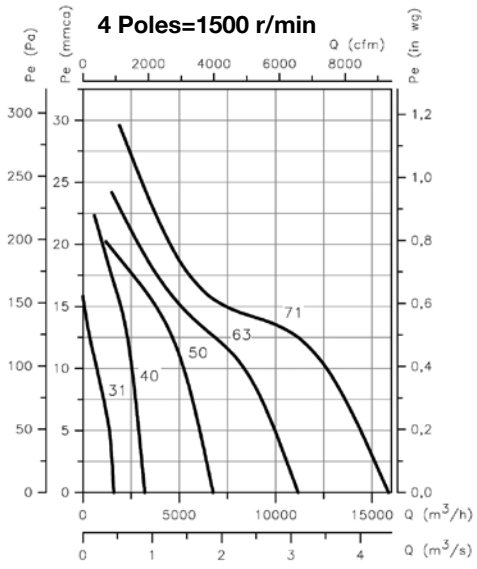
Model	ØA	ØB	ØD	E	ØJ	M	N
HBA-31	385	355	308	460	10	4x90°	45°
HBA-40	490	450	410	580	12	8x45°	22'5°
HBA-45	540	500	460	640	12	8x45°	22'5°
HBA-50	600	560	514	730	12	12x30°	15°
HBA-63	730	690	640	730	12	12x30°	15°
HBA-71	810	770	710	770	12	16x22'5°	11'25°
HBA-80	900	860	800	830	12	16x22'5°	11'25°
HBA-90	1015	970	900	1000	15	16x22'5°	11'25°
HBA-100	1115	1070	1000	1270	15	16x22'5°	11'25°

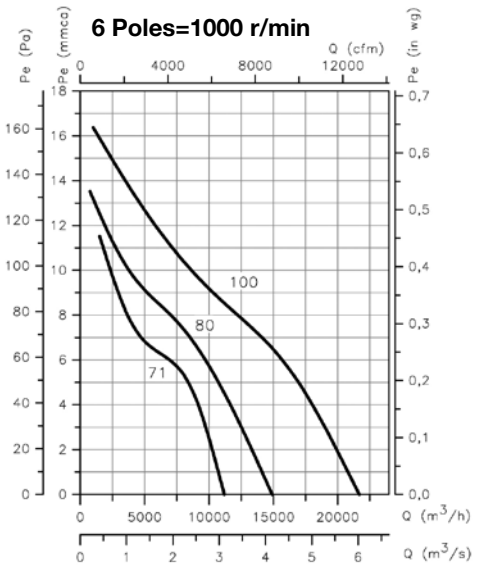
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm.

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







CMP/MAR

Centrifugal medium-pressure fans fitted with multi-blade impeller for marine applications

Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller to work in marine environments and fitted with motor for service marine

Fan:
- Steel sheet casing
- Impeller with forward-facing blades made from galvanised sheet steel
- Inlet ring in sheet steel

Motor:
- Class F motors for marine service, with ball bearings, IP55 protection, with compliance with the classification for naval service not essential.
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 120ºC.

Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.
- Finish surface quality C3H

On request:
- Hot-rolled galvanised steel finish
- Made from stainless steel
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Motors with built-in PTC
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)
- Finish surface quality C4H, C5M

The marine motors used may be certified by the majority of international naval classification bodies:

ABS: América Bureau of shipping	DNV: Det Norske Veritas	NK: Nippon Kaiji Kyokai
BV: Bureau Veritas	GL: Germanischer Lloyd	RINA: Registro Italiano Navale
CCS: China Classification Societies	KR: Korean Register of shipping	RS: Russian Maritime Register of Shipping
CR: China Corporation Register of Shiping	LR: Lloyd´s Register of Shipping	

Order code

CMP/MAR — 1128 — 2T — 5,5

- ***CMP/MAR***: Centrifugal medium-pressure fans for marine applications
- ***1128***: Impeller size
- ***2T***: Number of motor poles 2=2900 r/min. 50 Hz 4=1400 r/min. 50 Hz
- ***T***: T=Three-phase
- ***5,5***: Power motor (c.v)

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg)
CMP/MAR-616-2T	2740	0.37	1430	69	9
CMP/MAR-616-4T	1400	0.12	1000	61	9
CMP/MAR-620-2T	2740	0.37	830	68	11
CMP/MAR-620-4T	1375	0.12	920	61	9
CMP/MAR-718-2T	2855	0.75	1400	70	14
CMP/MAR-718-4T	1410	0.25	1200	63	11
CMP/MAR-820-2T	2845	1.10	1950	73	18
CMP/MAR-820-4T	1350	0.25	2100	66	12
CMP/MAR-922-2T-1,5	2845	1.10	1650	70	23
CMP/MAR-922-2T-2	2860	1.50	2050	71	24
CMP/MAR-922-2T-3	2880	2.20	2900	74	27
CMP/MAR-922-4T	1395	0.55	2750	66	20
CMP/MAR-1025-2T-3	2880	2.20	2520	73	29

Technical characteristics

Model	Speed (r/min)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight with motor (Kg)
CMP/MAR-1025-2T-4	2895	3.00	3125	77	34
CMP/MAR-1025-4T	1410	1.10	3400	70	27
CMP/MAR-1128-2T-4	2895	3.00	3000	77	37
CMP/MAR-1128-2T-5.5	2900	4.00	4000	81	41
CMP/MAR-1128-4T	1420	2.20	5000	74	37
CMP/MAR-1231-4T-3	1420	2.20	4900	73	46
CMP/MAR-1231-4T-4	1420	3.00	5750	75	49
CMP/MAR-1231-4T-5.5	1440	4.00	6800	77	53
CMP/MAR-1435-4T-4	1420	3.00	5700	76	54
CMP/MAR-1435-4T-5.5	1440	4.00	7200	78	61
CMP/MAR-1435-4T-7.5	1455	5.50	8300	80	74
CMP/MAR-1640-4T-5.5	1440	4.00	6750	77	79
CMP/MAR-1640-4T-7.5	1455	5.50	9000	80	92
CMP/MAR-1640-4T-10	1455	7.50	10400	82	100
CMP/MAR-1845-4T-7.5	1455	5.50	8000	82	94
CMP/MAR-1845-4T-10	1455	7.50	11000	85	102
CMP/MAR-2050-4T-10	1455	7.50	9000	83	135
CMP/MAR-2050-4T-15	1460	11.00	14000	87	162
CMP/MAR-2050-4T-20	1455	15.00	16500	89	181

Acoustic features

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

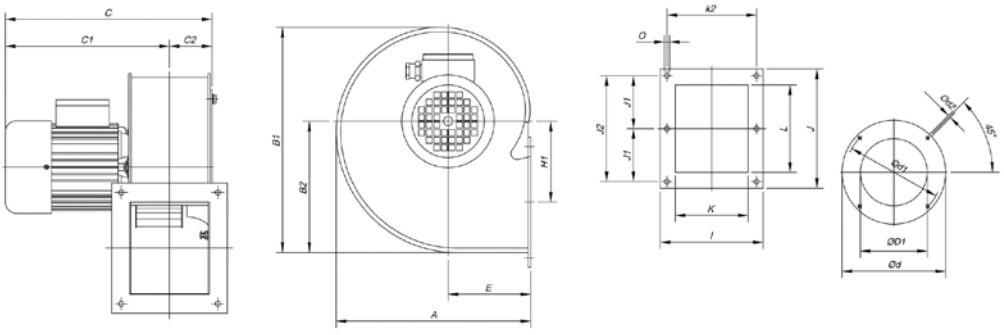
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMP/MAR-616-2T	69	44	54	65	72	76	73	71	64
CMP/MAR-616-4T	61	36	46	57	64	68	65	63	56
CMP/MAR-620-2T	68	43	53	64	71	75	72	70	63
CMP/MAR-620-4T	61	36	46	57	64	68	65	63	56
CMP/MAR-718-2T	70	45	55	66	73	77	74	72	65
CMP/MAR-718-4T	63	38	48	59	66	70	67	65	58
CMP/MAR-820-2T	73	48	58	69	76	80	77	75	68
CMP/MAR-820-4T	66	41	51	62	69	73	70	68	61
CMP/MAR-922-2T-1,5	70	45	55	66	73	77	74	72	65
CMP/MAR-922-2T-2	71	46	56	67	74	78	75	73	66
CMP/MAR-922-2T-3	74	49	59	70	77	81	78	76	69
CMP/MAR-922-4T	66	41	51	62	69	73	70	68	61
CMP/MAR-1025-2T-3	73	48	58	69	76	80	77	75	68
CMP/MAR-1025-2T-4	77	52	62	73	80	84	81	79	72
CMP/MAR-1025-4T	70	45	55	66	73	77	74	72	65
CMP/MAR-1128-2T-4	77	52	62	73	80	84	81	79	72

Model	Lp dB(A)	63	125	250	500	1000	2000	4000	8000
CMP/MAR-1128-2T-5,5	81	56	66	77	84	88	85	83	76
CMP/MAR-1128-4T	74	49	59	70	77	81	78	76	69
CMP/MAR-1231-4T-3	73	51	60	71	78	82	80	78	71
CMP/MAR-1231-4T-4	75	53	62	73	80	84	82	80	73
CMP/MAR-1231-4T-5,5	77	55	64	75	82	86	84	82	75
CMP/MAR-1435-4T-4	76	54	63	74	81	85	83	81	74
CMP/MAR-1435-4T-5,5	78	56	65	76	83	87	85	83	76
CMP/MAR-1435-4T-7,5	80	58	67	78	85	89	87	85	78
CMP/MAR-1640-4T-5,5	77	55	64	75	82	86	84	82	75
CMP/MAR-1640-4T-7,5	80	58	67	78	85	89	87	85	78
CMP/MAR-1640-4T-10	82	60	69	80	87	91	89	87	80
CMP/MAR-1845-4T-7,5	82	61	71	82	89	93	91	89	81
CMP/MAR-1845-4T-10	85	64	74	85	92	96	94	92	84
CMP/MAR-2050-4T-10	83	62	72	83	90	94	92	90	82
CMP/MAR-2050-4T-15	87	66	76	87	94	98	96	94	86
CMP/MAR-2050-4T-20	89	68	78	89	96	100	98	96	88

Dimensions in mm

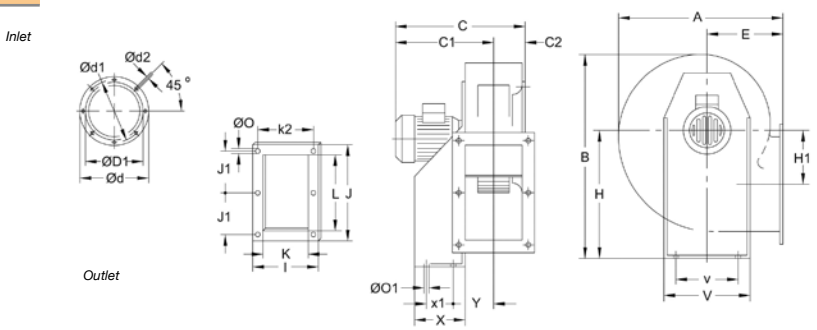
CMP/MAR-616...820



Model	A	B1	B2	C	C1	C2	øD1	ød	ød1	ød2	E	H1	I	J	J1	J2	K	k2	L	øO
CMP/MAR-616-2T	258	297	173.5	375	318	56	160	204	180	M.6	110	105.5	153	172	-	147	103	128	125	7
CMP/MAR-616-4T	258	297	173.5	345	288	56	160	204	180	M.6	110	105.5	153	172	-	147	103	128	125	7
CMP/MAR-620-2T	298	347	202.5	376	320	56	200	247	230	M.6	126	145.5	159	153	-	128	105	134	100	8
CMP/MAR-620-4T	298	347	202.5	345	290	56	200	247	230	M.6	126	145.5	159	153	-	128	105	134	100	8
CMP/MAR-718-2T	303.5	348	201	396	335	64	180	238	210	M.6	129.5	122	169	192	85	170	115	145	146	9
CMP/MAR-718-4T	303.5	348	201	385	324	64	180	238	210	M.6	129.5	122	169	192	85	170	115	145	146	9
CMP/MAR-820-2T	322	377	223	411	343	68	200	247	230	M.6	137.5	137	184	213	94.5	189	130	160	156	9
CMP/MAR-820-4T	322	377	223	400	332	68	200	247	230	M.6	137.5	137	184	213	94.5	189	130	160	156	9

Dimensions in mm

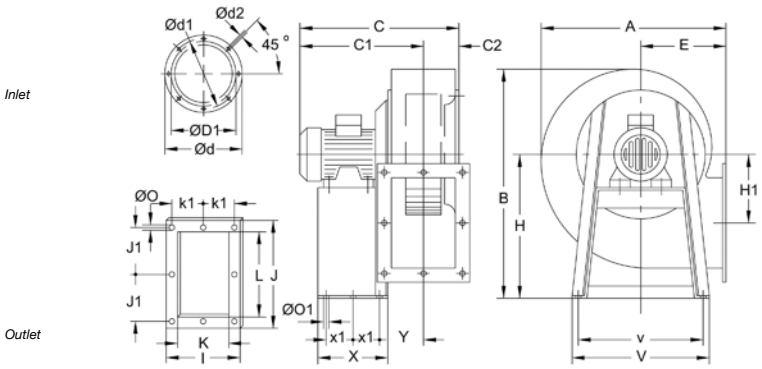
CMP/MAR-922...1231



Model	A	B	EEx-"e" C	EEx-"e" C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	x1	Y
CMP/MAR-922-2T-1,5	388.5	455	382	309	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP/MAR-922-2T-2	388.5	455	423.5	350	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP/MAR-922-2T-3X	388.5	455	423.5	350	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP/MAR-922-4T	388.5	455	382.5	309	73.5	224	278	256	M.8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP/MAR-1025-2T-3	427	503	456	370	86	250	305	282	M.8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP/MAR-1025-2T-4	427	503	486	400	86	250	305	282	M.8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP/MAR-1025-4T	427	503	456	370	86	250	305	282	M.8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP/MAR-1128-2T-4	472	553	493.5	400	93.5	280	348	320	M.8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMP/MAR-1128-2T-5,5	472	553	553.5	451	93.5	280	348	320	M.8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMP/MAR-1128-4T	472	553	493.5	400	93.5	280	348	320	M.8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMP/MAR-1231-4T-3	526	630	520.5	417	103.5	315	382	354	M.8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMP/MAR-1231-4T-4	526	630	520.5	417	103.5	315	382	354	M.8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMP/MAR-1231-4T-5,5	526	630	543.5	440	103.5	315	382	354	M.8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126

* Recommended nominal diameter for duct.

CMP/MAR-1435...2050



Model	A	B	EEx-"e" C	EEx-"e" C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k1	L	øO	øO1	V	v	X	x1	Y
CMP/MAR-1435-4T-4	573.5	715	527	409	118	355	422	394	M.8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMP/MAR-1435-4T-5,5	573.5	715	572	545	118	355	422	394	M.8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMP/MAR-1435-4T-7,5	573.5	715	610	492	118	355	422	394	M.8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMP/MAR-1640-4T-5,5	634	799	596	465	130	400	464	438	M.8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMP/MAR-1640-4T-7,5	634	799	634	504	130	400	464	438	M.8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMP/MAR-1640-4T-10	634	799	634	504	130	400	464	438	M.8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMP/MAR-1845-4T-7,5	711	901	668	521	147	450	515	485	M.8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMP/MAR-1845-4T-10	711	901	668	521	147	450	515	485	M.8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMP/MAR-2050-4T-10	797	987	700.5	538	162.5	500	565	535	M.10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMP/MAR-2050-4T-15	797	987	818.5	656	162.5	500	565	535	M.10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMP/MAR-2050-4T-20	797	987	859.5	697	162.5	500	565	535	M.10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196

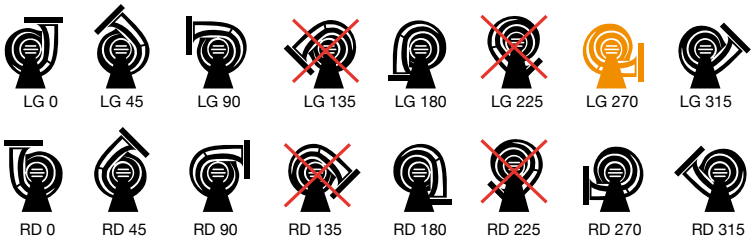
* Recommended nominal diameter for duct.

Characteristic curves

See page 91

Positions

LG 270 standard supply
LG 180 and RD 180 positions on request and with special fixing measures.



Accessories

See accessories section.

CMPI

Centrifugal medium-pressure fans fitted with multi-blade impeller made from stainless steel AISI-304 or 316

Centrifugal medium-pressure and single inlet fans with casing and turbine in stainless steel, to work in chemical, aggressive or marine environments

Fan:
- Stainless sheet steel casing AISI-304 or 316
- Impeller with forward-facing blades made from stainless sheet steel AISI-304
- Inlet ring in stainless steel AISI-304 or 316

Motor:
- Class F motors with ball bearings, IP55 protection, except single-phase models which have IP54 protection.
- Single-phase 230V -50Hz. and three-phase 230/400V.50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 120ºC.

Finish:
- Anticorrosive stainless steel.

On request:
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Construction with a motor for marine service
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)
- CE, NEMA, UL, CSA motors

Order code

CMPI — 1128 — 2T — 5,5

- ***CMPI***: Centrifugal medium-pressure fans fitted with multi-blade impeller made from stainless steel AISI-304 or 316
- ***1128***: Impeller size
- ***2T***: Number of motor poles 2=2900 r/min. 50 Hz 4=1400 r/min. 50 Hz 6=900 r/min. 50 Hz; T=Three-phase M=Single-phase
- ***5,5***: Power motor (c.v.)

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CMPI-512-2T	2850	0.55	0.32		0.08	490	62	4.0
CMPI-512-2M	2900	0.60			0.08	490	62	4.0
CMPI-512-4T	1440	0.55	0.32		0.05	255	55	3.5
CMPI-512-4M	1440	0.60			0.05	255	55	3.5
CMPI-514-2T	2850	1.21	0.70		0.18	800	65	5.0
CMPI-514-2M	2700	1.80			0.18	800	65	5.0
CMPI-514-4T	1440	0.55	0.32		0.08	565	58	4.5
CMPI-514-4M	1440	0.60			0.08	565	58	4.5
CMPI-616-2T	2740	1.73	1.00		0.55	1380	69	8.0
CMPI-616-2M	2760	2.95			0.55	1380	69	9.5
CMPI-616-4T	1400	0.65	0.37		0.10	850	61	7.5
CMPI-616-4M	1400	0.72			0.10	850	61	7.5
CMPI-620-2T	2740	1.73	1.00		0.37	765	68	9.5
CMPI-620-2M	2760	2.95			0.37	765	68	10.0
CMPI-620-4T	1375	0.69	0.40		0.10	810	61	7.5
CMPI-620-4M	1375	0.76			0.10	810	61	7.5
CMPI-718-2T	2855	3.00	1.73		0.75	1485	70	12.5
CMPI-718-2M	2750	5.20			0.75	1485	70	12.8
CMPI-718-4T	1410	1.32	0.76		0.25	1280	63	9.5
CMPI-718-4M	1410	1.40			0.25	1280	63	9.5
CMPI-820-2T	2845	4.16	2.40		1.10	1950	73	15.0
CMPI-820-2M	2850	7.10			1.10	1950	73	16.0
CMPI-820-4T	1350	1.32	0.76		0.25	1670	66	10.0

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CMPI-820-4M	1400	2.00			0.25	1670	66	10.0
CMPI-922-2T-1,5	2845	4.16	2.40		1.10	1650	70	20.0
CMPI-922-2T-2	2860	5.63	3.25		1.50	2010	71	23.0
CMPI-922-2T-3	2880	7.97	4.60		2.20	2600	74	25.5
CMPI-922-4T	1395	2.51	1.45		0.55	2450	66	19.0
CMPI-1025-2T-3	2880	7.97	4.60		2.20	2100	73	28.5
CMPI-1025-2T-4	2895	10.57	6.10		3.00	2830	77	37.6
CMPI-1025-4T	1410	4.59	2.65		1.10	3400	70	38.5
CMPI-1128-2T-4	2895	10.57	6.10		3.00	2220	77	41.5
CMPI-1128-2T-5,5	2900	13.34	7.70		4.00	3210	81	47.0
CMPI-1128-4T	1420	8.49	4.90		2.20	5000	74	39.0
CMPI-1128-6T	910	3.91	2.26		0.75	3300	60	28.5
CMPI-1231-4T-3	1420	8.49	4.90		2.20	4740	73	47.0
CMPI-1231-4T-4	1420	11.09	6.40		3.00	5910	75	49.0
CMPI-1231-4T-5,5	1440	14.38	8.30		4.00	6850	77	56.0
CMPI-1231-6T	940	7.48	4.30		1.50	5115	64	49.0
CMPI-1435-4T-4	1420	11.09	6.40		3.00	5560	76	53.0
CMPI-1435-4T-5,5	1440	14.38	8.30		4.00	6260	78	61.5
CMPI-1435-4T-7,5	1455		11.40	6.60	5.50	7210	80	75.5
CMPI-1435-6T	930	9.32	5.36		2.20	6400	66	58.5
CMPI-1640-4T-5,5	1440	14.38	8.30		4.00	7500	77	78.5
CMPI-1640-4T-7,5	1455		11.40	6.60	5.50	8035	80	92.5
CMPI-1640-4T-10	1455		15.10	8.70	7.50	9710	82	103.5
CMPI-1640-6T	930	9.32	5.36		2.20	8100	71	75.5
CMPI-1845-4T-7,5	1455		11.40	6.60	5.50	8965	82	93.5
CMPI-1845-4T-10	1455		15.10	8.70	7.50	10350	85	104.5
CMPI-1845-6T	930	9.32	5.36		2.20	8330	77	84.0
CMPI-2050-4T-10	1455		15.10	8.70	7.50	9000	83	134.0
CMPI-2050-4T-12,5	1450		17.80	10.30	9.20	10730	85	137.0
CMPI-2050-4T-15	1460		21.50	12.40	11.00	12525	87	153.0
CMPI-2050-4T-20	1455		28.50	16.50	15.00	19000	89	172.0
CMPI-2050-6T	940	15.60	8.95		4.00	11000	79	146.0
CMPI-2563-6T	970		31.00	17.90	15.00	21000	86	251.0

Acoustic features

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

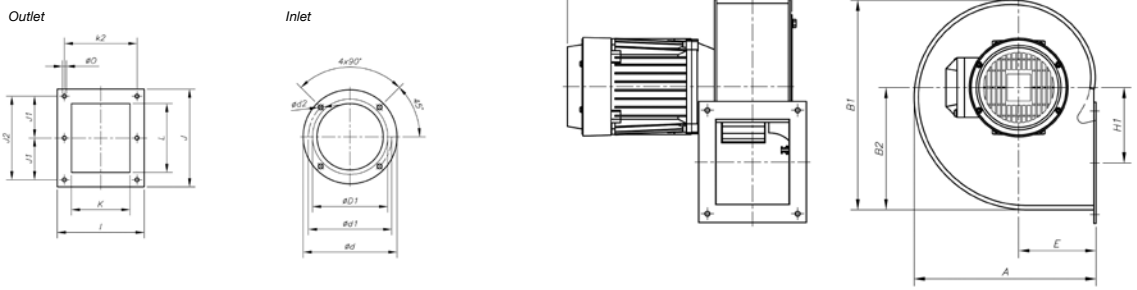
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
512-2	37	47	58	65	69	66	64	57
512-4	30	40	51	58	62	59	57	50
514-2	40	50	61	68	72	69	67	60
514-4	33	43	54	61	65	62	60	53
616-2	44	54	65	72	76	73	71	64
616-4	36	46	57	64	68	65	63	56
620-2	43	53	64	71	75	72	70	63
620-4	36	46	57	64	68	65	63	56
718-2	45	55	66	73	77	74	72	65
718-4	38	48	59	66	70	67	65	58
820-2	48	58	69	76	80	77	75	68
820-4	41	51	62	69	73	70	68	61
922-2-1,5	45	55	66	73	77	74	72	65
922-2-2	46	56	67	74	78	75	73	66
922-2-3	49	59	70	77	81	78	76	69
922-4	41	51	62	69	73	70	68	61
1025-2-3	48	58	69	76	80	77	75	68
1025-2-4	52	62	73	80	84	81	79	72
1025-4	45	55	66	73	77	74	72	65
1128-2-4	52	62	73	80	84	81	79	72
1128-2-5,5	56	66	77	84	88	85	83	76
1128-4	49	59	70	77	81	78	76	69
1128-6	35	45	56	63	67	64	62	55

Model	63	125	250	500	1000	2000	4000	8000
1231-4-3	51	60	71	78	82	80	78	71
1231-4-4	53	62	73	80	84	82	80	73
1231-4-5,5	55	64	75	82	86	84	82	75
1231-6	42	51	62	69	73	71	69	62
1435-4-4	54	63	74	81	85	83	81	74
1435-4-5,5	56	65	76	83	87	85	83	76
1435-4-7,5	58	67	78	85	89	87	85	78
1435-6	44	53	64	71	75	73	71	64
1640-4-5,5	55	64	75	82	86	84	82	75
1640-4-7,5	58	67	78	85	89	87	85	78
1640-4-10	60	69	80	87	91	89	87	80
1640-6	49	58	69	76	80	78	76	69
1845-4-7,5	61	71	82	89	93	91	89	81
1845-4-10	64	74	85	92	96	94	92	84
1845-6	56	66	77	84	88	86	84	76
2050-4-10	62	72	83	90	94	92	90	82
2050-4-12,5	64	74	85	92	96	94	92	84
2050-4-15	66	76	87	94	98	96	94	86
2050-4-20	68	78	89	96	100	98	96	88
2050-6	58	68	79	86	90	88	86	78
2563-6	67	77	88	95	99	96	94	87

Dimensions in mm

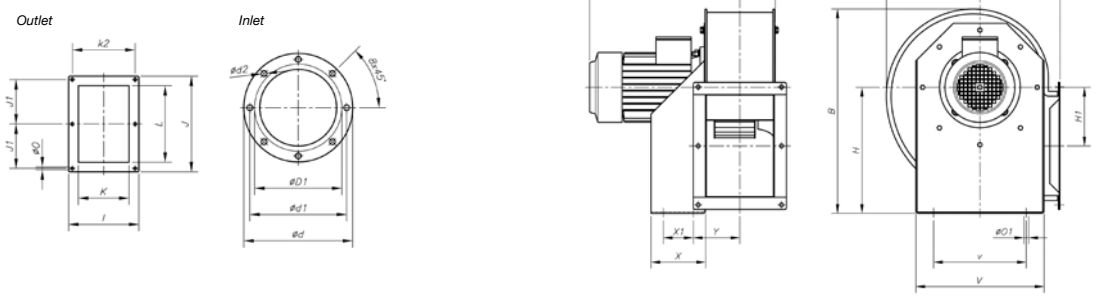
CMPI-512...820



Model	A	B1	B2	C	C1	C2	øD1*	ød	ød1	ød2	E	H1	I	J	J1	J2	K	k2	L	øO
CMPI-512-2T	185	206.5	118	251	212	39	112	140	132	M4	82.5	69	104	117	-	104.5	75	92	86	5.5
CMPI-512-4T	185	206.5	118	249	210	39	112	140	132	M4	82.5	69	104	117	-	104.5	75	92	86	5.5
CMPI-514-2T	225	254	150	281	236	45	140	169	151.5	M4	100	91	122	147	64	128	838	105	107	6.5
CMPI-514-4T	225	254	150	261	216	45	140	169	151.5	M4	100	91	122	147	64	128	83	105	107	6.5
CMPI-616-2T	258	297	173.5	320	264	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CMPI-616-4T	258	297	173.5	283	227	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CMPI-620-2T	298	347	202.5	321	265	56	200	247	230	M6	126	145.5	159	153	-	128	105	134	100	8
CMPI-620-4T	298	347	202.5	283	227	56	200	247	230	M6	126	145.5	159	153	-	128	105	134	100	8
CMPI-718-2T	303.5	348	201	355	294	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CMPI-718-2M	303.5	348	201	355	245	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CMPI-718-4T	303.5	348	201	331	270	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CMPI-718-4M	303.5	348	201	331	270	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CMPI-820-2T	322	377	223	369.5	301	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9
CMPI-820-2M	322	377	223	369.5	301	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9
CMPI-820-4T	322	377	223	345.5	277	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9
CMPI-820-4M	322	377	223	345.5	277	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	160	160	156	9

* Recommended nominal diameter for duct.

CMPI-922...1231

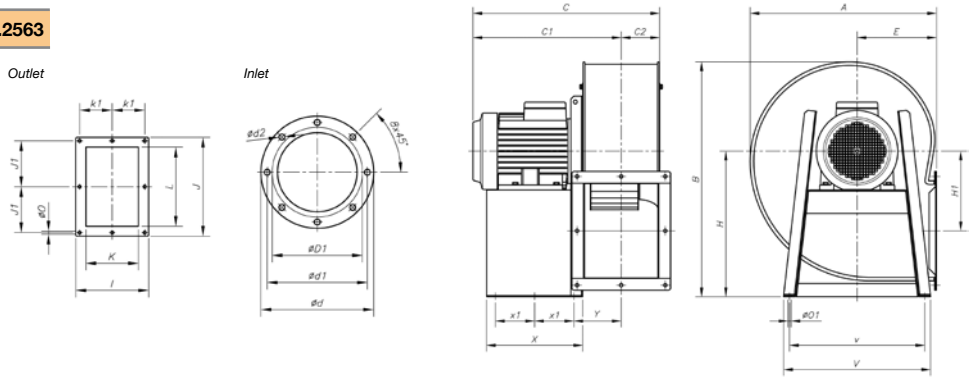


Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	X1	Y
CMPI-922-2T-1'5	388.5	455	382.5	309	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMPI-922-2T-2	388.5	455	430.5	357	73.5	224	278	25	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMPI-922-2T-3	388.5	455	430.5	357	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMPI-922-4T	388.5	455	382.5	309	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMPI-1025-2T-3	427	503	456	370	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMPI-1025-2T-4	427	503	486	400	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMPI-1025-4T	427	503	456	370	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMPI-1128-2T-4	472	553	500.5	407	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMPI-1128-2T-5'5	472	553	523.5	430	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMPI-1128-4T	472	553	500.5	407	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMPI-1128-6T	472	553	470.5	377	93.5	280	348	320	M8	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
CMPI-1231-4T-3	526	630	520.5	417	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMPI-1231-4T-4	526	630	520.5	417	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMPI-1231-4T-5'5	526	630	543.5	440	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126
CMPI-1231-6T	526	630	520.5	417	103.5	315	382	354	M8	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	126

* Recommended nominal diameter for duct.

Dimensions in mm

CMPI-1435...2563



Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k1	L	øO	øO1	V	v	X	X1	Y
CMPI-1435-4T-4	573.5	715	549	431	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMPI-1435-4T-5'5	573.5	715	572	454	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMPI-1435-4T-7'5	573.5	715	610	492	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMPI-1435-6T	573.5	715	572	454	118	355	422	394	M8	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	150
CMPI-1640-4T-5'5	634	799	596	465	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMPI-1640-4T-7'5	634	799	634	504	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMPI-1640-4T-10	634	799	634	504	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMPI-1640-6T	634	799	596	466	130	400	464	438	M8	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	162.5
CMPI-1845-4T-7'5	711	901	668	521	147	450	515	485	M8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMPI-1845-4T-10	711	901	668	521	147	450	515	485	M8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMPI-1845-6T	711	901	630	483	147	450	515	485	M8	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	179.5
CMPI-2050-4T-10	797	987	700.5	538	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMPI-2050-4T-12'5	797	987	752.5	590	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMPI-2050-4T-15	797	987	805.5	643	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMPI-2050-4T-20	797	987	805.5	643	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMPI-2050-6T	797	987	700.5	538	162.5	500	565	535	M10	345	610	313	411	544	250	315	182.5	451	11.5	12	653	615	435	188	196
CMPI-2563-6T	1027	1213	1016	805	211	630	710	675	M10	460	742	378	512	706	330	410	230	600	17	14	590	540	450	200	239

* Recommended nominal diameter for duct.

Accessories

See accessories section.

INT AR RFT/ RFM PANELS RPA B BIC ACE/ATEX CJACUS REG S

CMP/ATEX

Centrifugal medium-pressure fans fitted with multi-blade impeller with ATEX certification

Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller to work in explosive atmospheres.

CMP/MAR

Centrifugal medium-pressure fans fitted with multi-blade impeller for marine applications

Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller to work in marine environments and fitted with motor for service marine

CMPI

Centrifugal medium-pressure fans fitted with multi-blade impeller made from stainless steel AISI-304 or 316

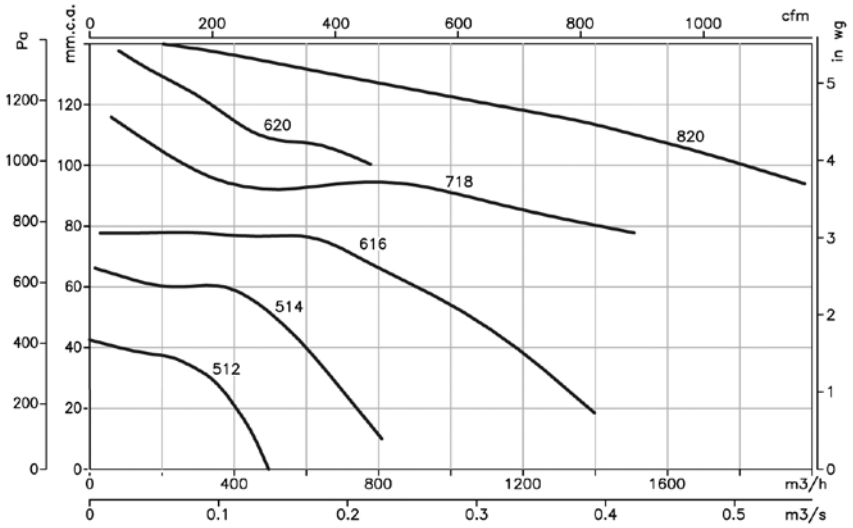
Centrifugal single-inlet, medium-pressure fans with casing and turbine in stainless steel, to work in chemical, aggressive or marine environments

Characteristic curves

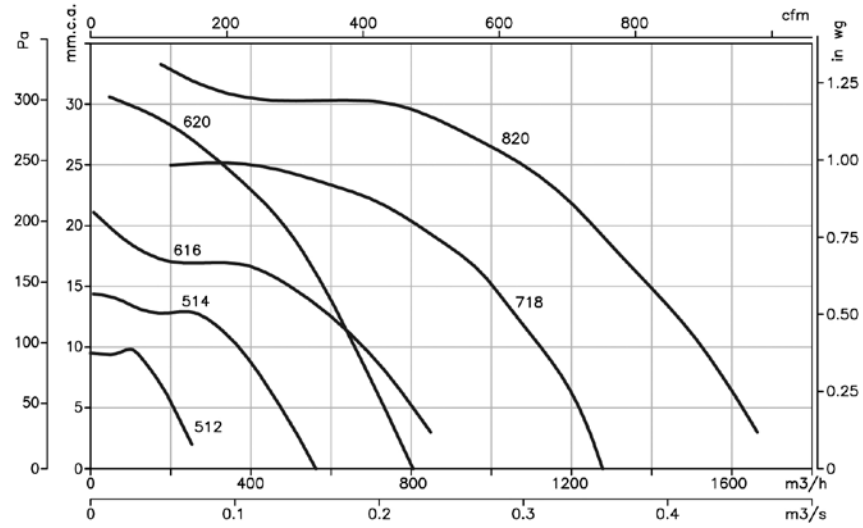
Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

2T/2M=3000 r/min

512...820

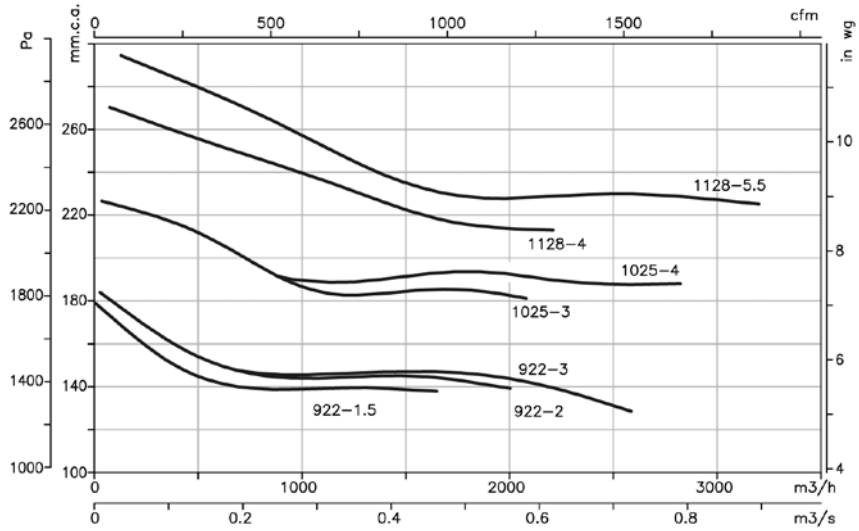


4T/4M=1500 r/min



2T=3000 r/min

922...1231

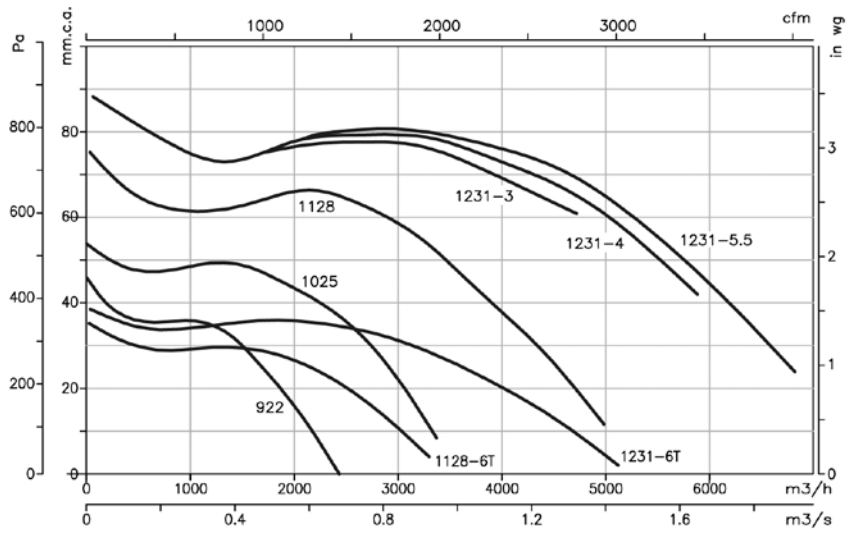


Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

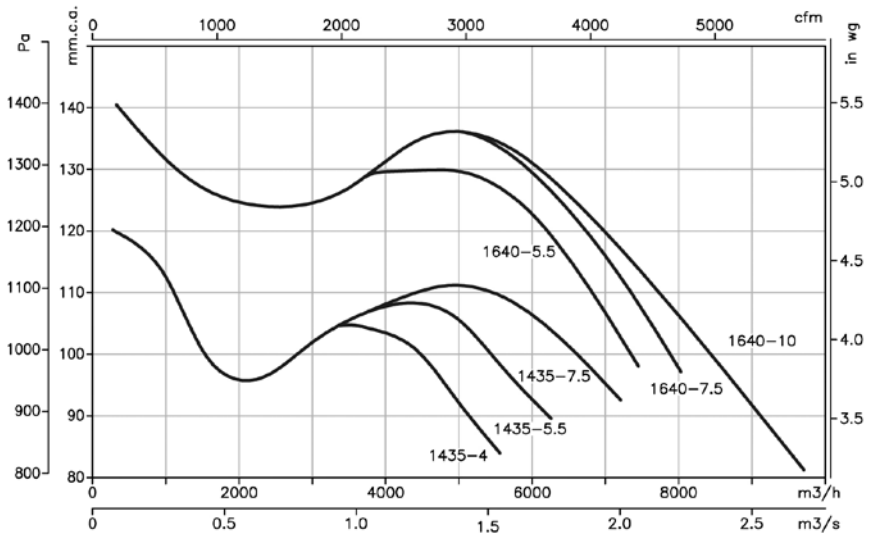
922...1231

4T=1500 r/min 6T=1000 r/min



1435...2563

4T=1500 r/min

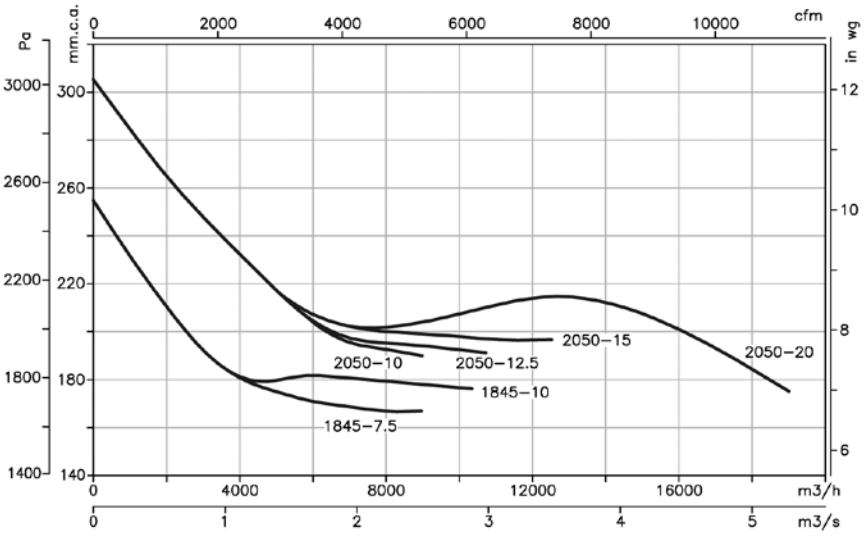


Characteristic curves

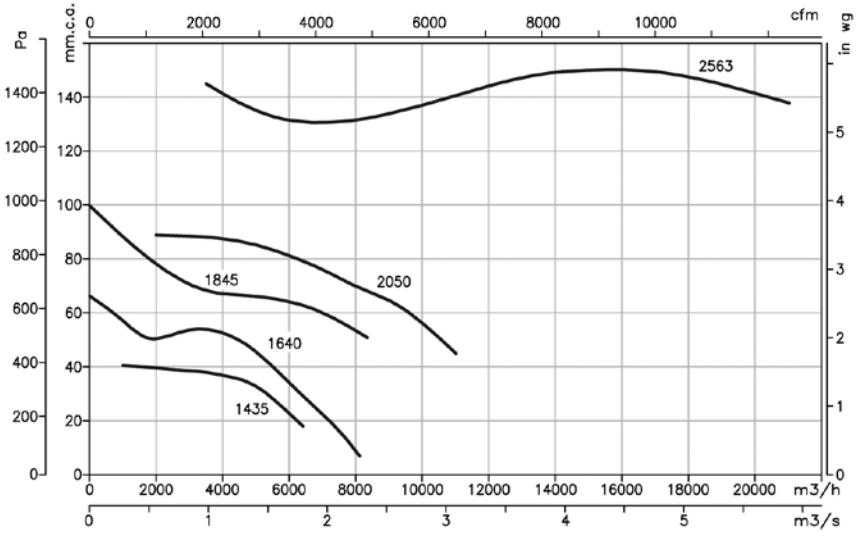
Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

1435...2563

4T=1500 r/min



6T=1000 r/min



CMRG

Centrifugal single-inlet, medium-pressure fans, with impeller with backward-facing blades, hot galvanised to work in chemical, aggressive or marine environments.

Fan:
- Casing in hot-galvanised sheet steel of great strength
- Impeller with backward-curved blades, in hot-galvanised sheet steel of great strength
- Hot-galvanised aspiration ring

Motor:
- Class F motors with ball bearings, IP55 protection, except single-phase models which have IP54 protection.
- Single-phase 230V -50Hz. and three-phase 230/400V.50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 120ºC.

Finish:
- Rust retardant in hot galvanised steel
- Finish surface quality C5M

On request:
- Special windings for different voltages and frequencies
- ATEX construction for different categories
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)
- Made from stainless steel
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)
- CE, NEMA, UL, CSA motors

Order code

CMRG — 1650 — 2T

- CMRG: Galvanised centrifugal single-inlet, medium-pressure fans with backward-facing blades
- 1650: Impeller size
- 2T: Number of motor poles
  - 2=2900 r/min. 50 Hz
  - 4=1400 r/min. 50 Hz
  - 6=900 r/min. 50 Hz
  - 8=750 r/min. 50 Hz
  - T=Three-phase

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CMRG-622-2T	2930	1.23	0.71		0.25	1040	74	11.6
CMRG-625-2T	2930	1.67	0.97		0.33	1280	75	13.7
CMRG-728-2T	2930	2.45	1.42		0.50	1800	76	17.6
CMRG-731-2T	2930	3.06	1.77		0.75	2350	77	22.8
CMRG-1031-2T	2900	5.63	3.25		1.50	5160	80	44.3
CMRG-1135-2T	2900	7.88	4.55		2.20	7800	83	54.9
CMRG-1240-2T	2895	13.51	7.80		4.00	11100	86	93.5
CMRG-1240-4T	1455	3.22	1.86		0.75	5800	71	70.5
CMRG-1445-2T	2915		13.90	8.00	7.50	16500	87	126.0
CMRG-1445-4T	1460	4.42	2.55		1.10	8030	72	92.5
CMRG-1650-2T	2910		20.00	11.50	11.00	18850	89	178.0
CMRG-1650-4T	1440	5.89	3.40		1.50	10500	74	114.0
CMRG-1650-6T	970	3.91	2.26		0.75	7410	64	114.0
CMRG-1856-4T	1455	11.09	6.40		3.00	15150	79	152.0
CMRG-1856-6T	965	5.04	2.90		1.10	10050	70	146.5
CMRG-2063-4T	1460		11.40	6.60	5.50	24450	80	226.0
CMRG-2063-6T	935	7.48	4.30		1.50	16100	71	208.5
CMRG-2063-8T	725	5.90	3.39		1.10	11600	65	210.5
CMRG-2271-4T	1465		21.50	12.40	11.00	34610	85	315.0
CMRG-2271-6T	950	12.20	6.82		3.00	22750	76	293.5
CMRG-2271-8T	720	7.10	4.08		1.50	17360	69	275.5
CMRG-2380-4T	1400		41.00	23.70	22.00	48000	83	416.0
CMRG-2380-6T	900		15.40	8.90	7.50	30000	75	363.0
CMRG-2380-8T	700	12.80	7.38		3.00	22000	66	317.0
CMRG-2590-4T	1475		68.00	39.30	37.00	54000	86	418.0
CMRG-2590-6T	970		23.00	13.30	11.00	34000	76	378.0
CMRG-28100-4T	1475		98.00	56.60	55.00	75000	87	553.0
CMRG-28100-6T	985		36.00	20.80	18.50	48000	77	521.0

Acoustic features

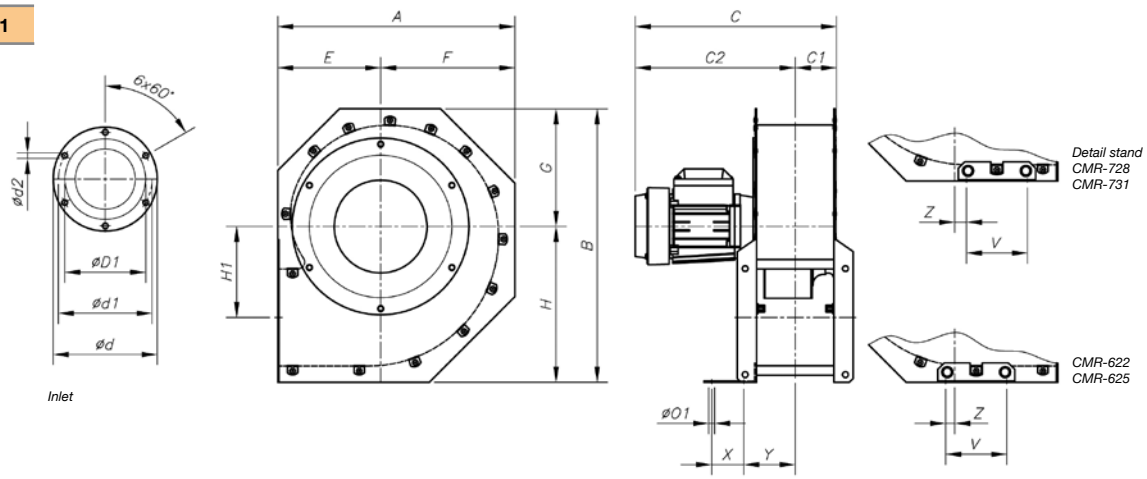
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the turbine's diameter, with a minimum of 1.5 m.

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
622-2T	59	72	72	85	80	80	80	73	1856-6	61	69	81	83	80	81	71	60
625-2T	60	73	73	86	81	81	81	74	2063-4	80	85	91	93	91	88	81	73
728-2T	61	74	74	87	82	82	82	75	2063-6	69	70	82	82	81	83	73	63
731-2T	62	75	75	88	83	83	83	76	2063-8	64	70	77	76	77	74	66	57
1031-2	65	78	78	91	86	86	86	79	2271-4	83	84	93	96	98	99	95	82
1135-2	72	79	77	89	87	93	92	79	2271-6	73	73	87	86	90	90	79	68
1240-2	68	83	81	93	90	94	96	83	2271-8	68	73	78	85	81	80	70	59
1240-4	56	70	76	79	79	80	70	59	2380-4	76	78	94	91	96	97	93	82
1445-2	73	85	83	95	93	97	99	89	2380-6	68	70	86	83	88	89	85	74
1445-4	59	72	78	83	80	83	78	64	2380-8	59	61	77	74	79	80	76	65
1650-2	73	81	85	99	97	99	99	88	2590-4	79	84	97	100	96	89	84	66
1650-4	64	74	82	84	83	85	76	66	2590-6	70	79	89	88	85	84	74	68
1650-6	53	65	72	77	73	69	62	54	28100-4	82	89	101	102	97	93	87	78
1856-4	69	78	91	87	90	91	85	71	28100-6	73	82	91	90	88	86	77	70

Dimensions in mm

CMRG-622...731

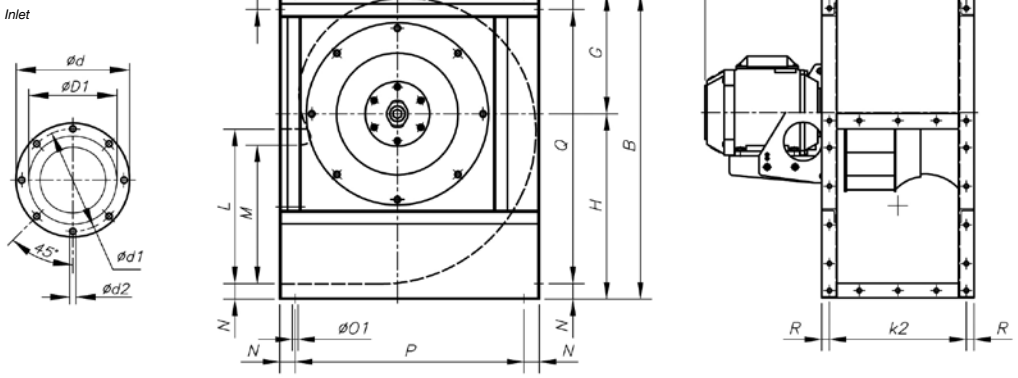


Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	F	G	H	H1	øO1	V	X	Y	Z
CMRG-622-2T	364	415.5	338.5	64	274.5	162	284	256	9.5	160	204	178	237.5	141.5	9	95	50	80	14
CMRG-625-2T	407	457	343.5	66.5	277	160	315	282	9.5	183	224	195.5	261.5	155	9	95	50	82.5	6
CMRG-728-2T	453.5	506.5	357.5	72.5	285	192	354	320	9.5	205	248.5	216	290.5	176	9	95	50	88.2	6.5
CMRG-731-2T	507	564	374	70	304	192	382	354	9.5	230	277	240.5	323.5	197.5	9	95	50	85.2	20.5

* Recommended nominal diameter for duct.

Dimensions in mm

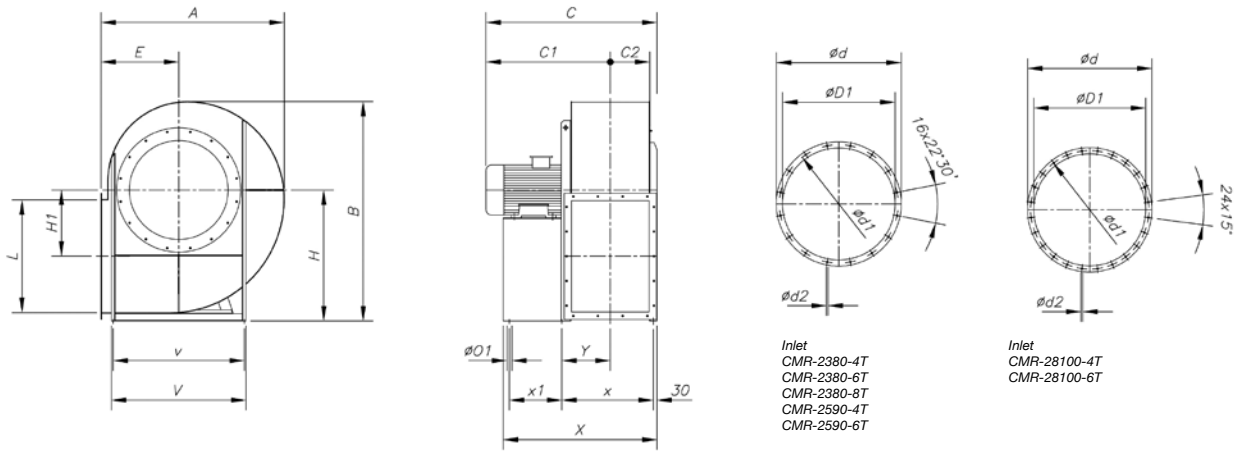
CMRG-1031...2271



Model	A	B	C	øD1*	ød	ød1	ød2	E	F	G	H	I	K	k2	L	M	N	øO1	P	Q	R
CMRG-1031-2T	542	626	567	315	383	356	M8	250	292	245	381	320	250	285	315	276	35	11	472	556	17.5
CMRG-1135-2T	600	696	583	355	425	398	M8	275	325	273	423	350	280	315	355	310	35	11	530	626	17.5
CMRG-1240-2T	673	790	728	400	472	444	M10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CMRG-1240-4T	673	790	590	400	472	444	M10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CMRG-1445-2T	765	880	810	450	522	494	M10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CMRG-1445-4T	765	880	649	450	522	494	M10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CMRG-1650-2T	832	970	961	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CMRG-1650-4T	832	970	715	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CMRG-1650-6T	832	970	695	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CMRG-1856-4T	925	1084	832	560	645	615	M10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CMRG-1856-6T	925	1084	771	560	645	615	M10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CMRG-2063-4T	1037	1218	973	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CMRG-2063-6T	1037	1218	893	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CMRG-2063-8T	1037	1218	893	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CMRG-2271-4T	1173	1375	1126	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32.5
CMRG-2271-6T	1173	1375	1039	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32.5
CMRG-2271-8T	1173	1375	1002	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32.5

* Recommended nominal diameter for duct.

CMRG-2380...28100



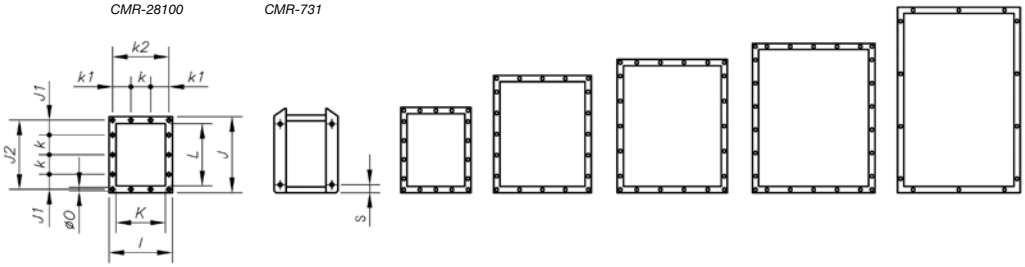
Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	L	øO1	V	v	X	x	x1	Y
CMRG-2380-4T	1350	1660	1245	899	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CMRG-2380-6T	1350	1660	1030	744	286	808	906	861	11.5	56	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CMRG-2380-8T	1350	1660	1035	681	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CMRG-2590-4T	1495	1785	1390	1012	321	908	1008	958	14	630	1060	535	900	19	1030	970	1246	425	751	393
CMRG-2590-6T	1495	1785	1235	857	321	908	1008	958	14	630	1060	535	900	19	1030	970	1121	340	721	373
CMRG-28100-4T	1680	1990	1470	1051	362	1008	1108	1067	14	710	1180	610	1000	19	1130	1060	1378	460	843	454
CMRG-28100-6T	1680	1990	1395	976	362	1008	1108	1067	14	710	1180	610	1000	19	1130	1060	1278	385	823	434

* Recommended nominal diameter for duct.

Dimensions in mm

Outlet

CMR-1031 CMR-1135 CMR-2590 CMR-28100 | *CMR-622 CMR-625 CMR-728 CMR-731* | *CMR-1240 CMR-1445 CMR-1650* | *CMR-1856* | *CMR-2063* | *CMR-2271* | *CMR-2380*

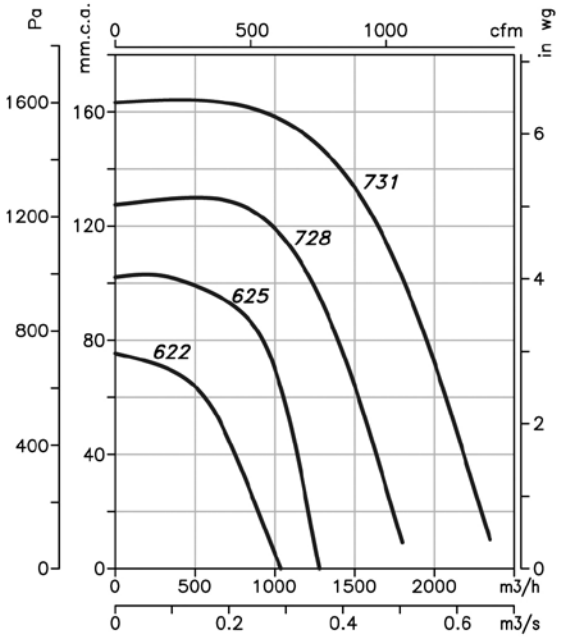


Model	l	J	J1	J2	K	k	k1	k2	L	øO	S
CMRG-622	180	191.5	-	165	120	-	-	156	150	9	12
CMRG-625	185	207.5	-	181.5	125	-	-	161	167.5	9	12
CMRG-728	196.5	234.5	-	202	136.5	-	-	172.5	187.5	9	12
CMRG-731	190.5	250.5	-	227.5	130.5	-	-	166.5	211	9	12
CMRG-1031	320	385	75	350	250	100	92.5	285	315	11	-
CMRG-1135	350	425	95	390	280	100	107.5	315	355	11	-
CMRG-1240	395	480	70	440	315	100	77.5	355	400	11	-
CMRG-1445	445	540	99	498	355	100	102.5	405	450	11	-
CMRG-1650	490	590	87.5	550	400	125	100	450	500	13	-
CMRG-1856	550	660	55	610	450	125	125	500	560	13	-
CMRG-2063	620	750	95	690	500	125	92.5	560	630	13	-
CMRG-2271	690	840	75	775	560	125	62.5	625	710	13	-
CMRG-2380	680	920	160	871	560	200	140	639	800	14	-
CMRG-2590	750	1020	84	968	630	200	54	708	900	14	-
CMRG-28100	830	1120	138.5	1077	710	200	92.5	785	1000	14	-

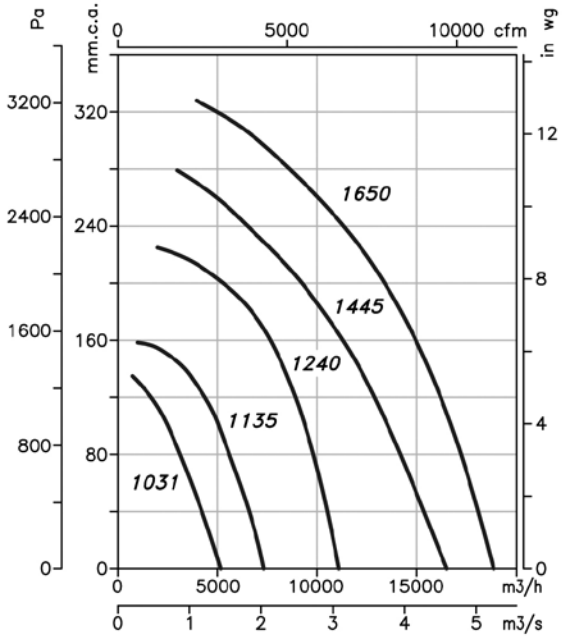
Characteristic Curves

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

2T=3000 r/min



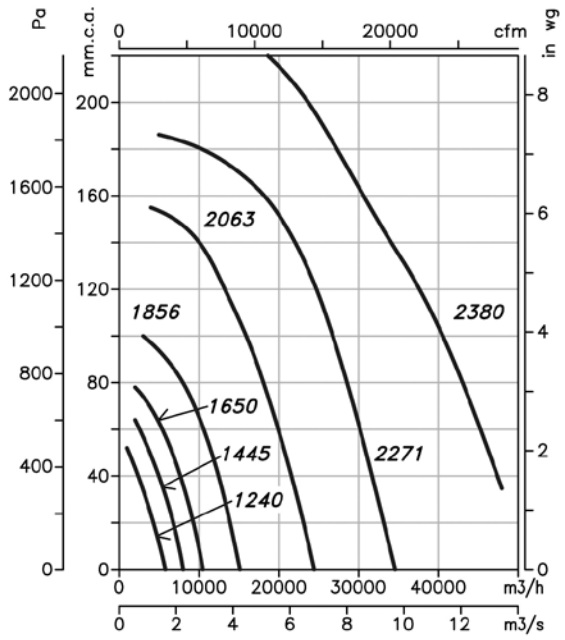
2T=3000 r/min



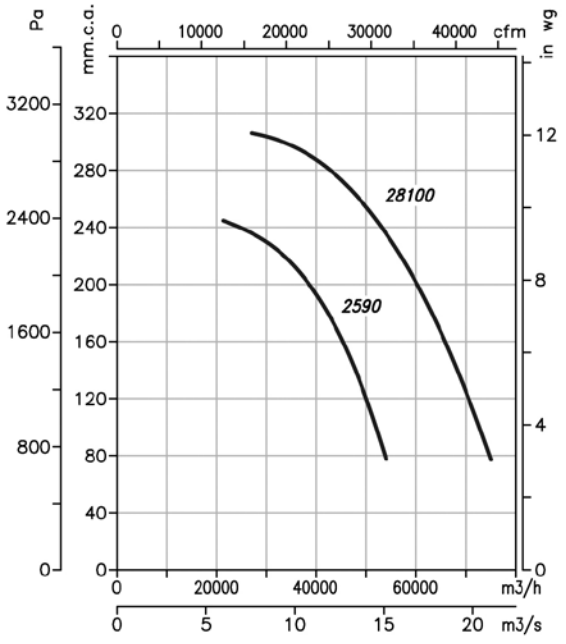
Characteristic Curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

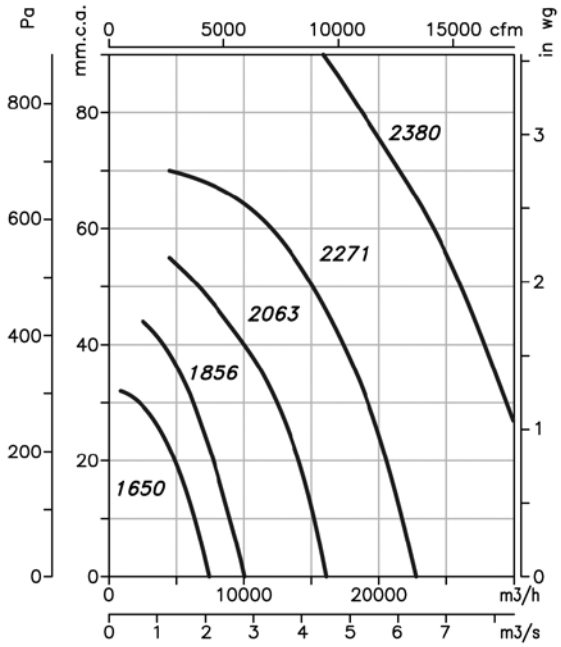
4T=1500 r/min



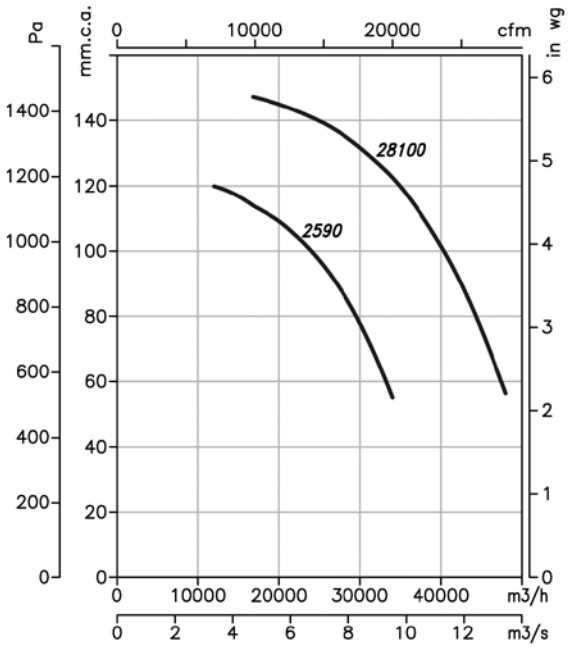
4T=1500 r/min



6T=1000 r/min



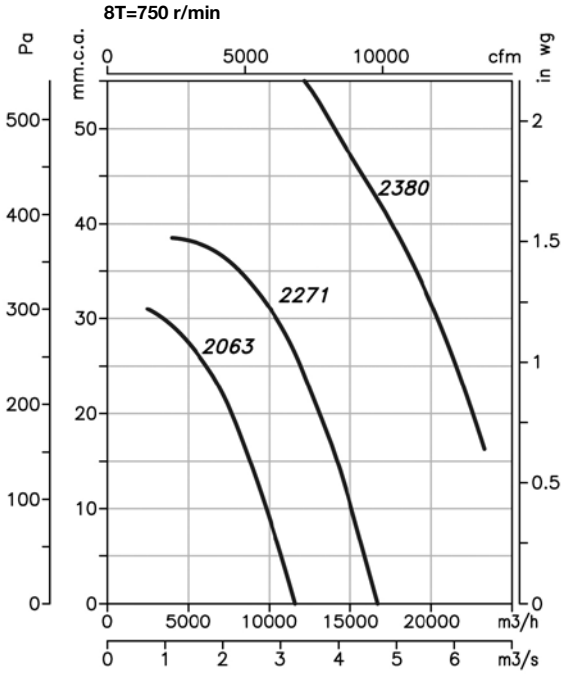
6T=1000 r/min



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

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



Positions

LG 270 standard supply
Models 2380, 2590 and 28100 fixed positions LG 270 (other positions on request only)

LG 0 LG 90 LG 180 LG 270 RD 0 RD 90 RD 180 RD 270

Accessories

See accessories section.

INT AR RFT/ RFM PANELS RPA B BIC ACE/ATEX CJACUS REG S

CPV

Centrifugal anti-corrosive single-inlet fans made from polypropylene.

Fan:
- Polypropylene casing
- Impeller with forward-facing blades made from polypropylene

Aesthetic and modern design

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW
- Class F motors with ball bearings, IP55 protection
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20ºC.+ 50ºC.

Finish:
- Plastic anticorrosive

On request:
- Special windings for different voltages
- ATEX certification, Category 3

Order code

CPV — 1942 — 4T — 10

- **CPV**: Centrifugal anti-corrosive single-inlet fans made from polypropylene.
- **1942**: Impeller size
- **4T**: Number of motor poles
  2=2900 r/min. 50 Hz
  4=1400 r/min. 50 Hz
  6=900 r/min. 50 Hz
  8=750 r/min. 50 Hz
  T=Three-phase
- **10**: Power motor (c.v.)

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
CPV-815-2T	2810	1.73	1.00		0.37	950	75	14.0
CPV-815-4T	1360	1.32	0.76		0.25	450	58	14.0
CPV-1020-2T	2800	3.00	1.73		0.75	2000	81	19.5
CPV-1020-4T	1360	1.32	0.76		0.25	1250	65	19.5
CPV-1020-6T	880	1.67	0.96		0.25	750	53	19.5
CPV-1325-2T	2850	7.97	4.60		2.20	3250	87	27.0
CPV-1325-4T	1360	1.78	1.03		0.37	2300	69	27.0
CPV-1325-6T	880	1.67	0.96		0.25	1400	59	27.0
CPV-1630-4T	1420	5.98	3.45		1.50	4500	75	34.5
CPV-1630-6T	910	2.80	1.61		0.55	2700	63	34.5
CPV-1840-4T	1420	11.09	6.40		3.00	6000	70	48.0
CPV-1840-6T	900	5.04	2.90		1.10	4200	65	42.0
*CPV-1942-4T-7,5	1450		11.40	6.60	5.50	8500	79	66.0
*CPV-1942-4T-10	1450		15.10	8.70	7.50	10500	84	77.0
*CPV-1942-6T	930	9.32	5.36		2.20	7000	75	49.0
*CPV-1942-8T	710	7.10	4.08		1.50	5500	70	56.0
CPV-2045-4T	1450		15.10	8.70	7.50	10400	78	102.0
CPV-2045-6T	950	12.20	7.00		3.00	7000	72	88.0
*CPV-1030-2T	2900	19.23	11.10		4.00	2900	75	66.0
CPV-1335-2T	2915		14.70	8.50	5.50	4700	84	91.0
CPV-1160-4T	1460		21.50	12.40	11.00	8000	83	243.0
CPV-2060-4T	1460		21.50	12.40	11.00	12000	81	245.0
CPV-2160-4T	1455		28.50	16.50	15.00	15500	77	282.0
*CPV-720-2T	2840	1.82	1.05		0.37	525	75	10.0
*CPV-825-2T	2850	4.33	2.50		1.10	1140	79	17.0
*CPV-930-2T	2880	7.57	4.37		2.20	1750	84	24.0

**Only LG position allowed*

Acoustic features

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

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

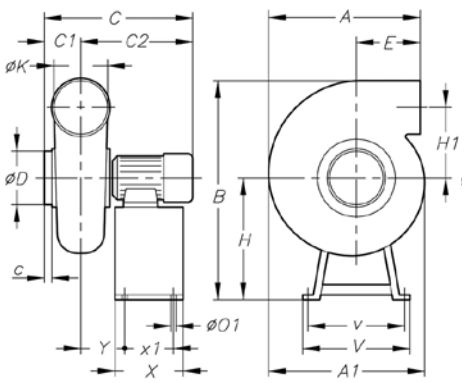
Model	63	125	250	500	1000	2000	4000	8000
815-2	56	69	77	81	81	77	73	65
815-4	39	52	60	64	64	60	56	48
1020-2	62	75	83	87	87	83	79	71
1020-4	46	59	67	71	71	67	63	55
1020-6	34	47	55	59	59	55	51	43
1325-2	70	83	91	95	96	92	88	79
1325-4	52	65	73	77	78	74	70	61
1325-6	42	55	63	67	68	64	60	51
1630-4	60	73	81	85	86	82	78	69
1630-6	48	61	69	73	74	70	66	57
1840-4	55	68	76	80	81	77	73	64
1840-6	50	63	71	75	76	72	68	59
1942-4-7,5	75	85	87	90	89	89	87	78

Model	63	125	250	500	1000	2000	4000	8000
1942-4-10	80	90	92	95	94	94	92	83
1942-6	71	81	83	86	85	85	83	74
1942-8	66	76	78	81	80	80	78	69
2045-4	63	76	84	88	89	85	81	72
2045-6	57	70	78	82	83	79	75	66
1030	58	71	79	83	84	80	76	67
1335	67	80	88	92	93	89	85	76
1160	68	81	89	93	94	90	86	77
2060	66	79	87	91	92	88	84	75
2160	64	77	85	89	89	85	81	73
720	56	69	77	81	81	77	73	65
825	60	73	81	85	85	81	77	69
930	65	78	86	90	90	86	82	74

Dimensions in mm

CPV-720..0,1942

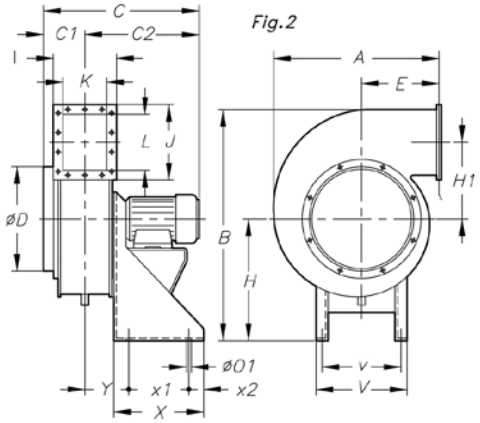
Fig.1

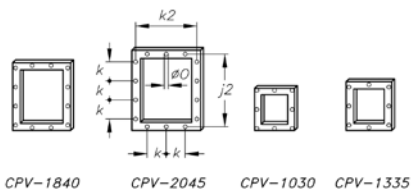


Model	Fig.	A	A1	B	C	C1	C2	c	øD	E	H	øK	ø01	V	v	X	x1	Y
CPV-720	1	375	-	456	350	80	270	45	90	212	281	90	8	355	335	180	160	92
CPV-815	1	303	335	521	371	100	271	30	125	100	281	125	8	355	335	180	160	90
CPV-825	1	445	-	522	433	110	323	55	125	218	290	125	8	355	335	180	160	103
CPV-930	1	540	-	658	477	100	377	40	160	262	370	160	8	400	380	180	160	117
CPV-1020-2T	1	340	397	584	440	116	324	32	160	100	281	160	8	355	335	180	160	121
CPV-1020-2T	1	340	397	584	413	116	297	32	160	100	281	160	8	355	335	180	160	116
CPV-1325-2T	1	413	505	735	487	130	357	35	200	103	370	200	8	400	380	180	160	126
CPV-1325	1	413	505	716	438	130	308	35	200	103	351	200	8	400	380	180	160	127
CPV-1630-4T	1	490	602	888	529	145	384	35	250	117	440	250	8	450	430	240	220	143
CPV-1630-6T	1	490	602	878	495	145	350	35	250	117	430	250	8	450	430	240	220	137
CPV-1942-4T	1	580	750	1170	792	210	642	60	315	130	600	315	8	600	564	350	314	188
CPV-1942-6T	1	580	750	1150	724	210	574	60	315	130	580	315	8	600	564	350	314	188
CPV-1942-8T	1	580	750	1150	724	210	574	60	315	130	580	315	8	600	564	350	314	188

CPV-1030..0,2045

Fig.2

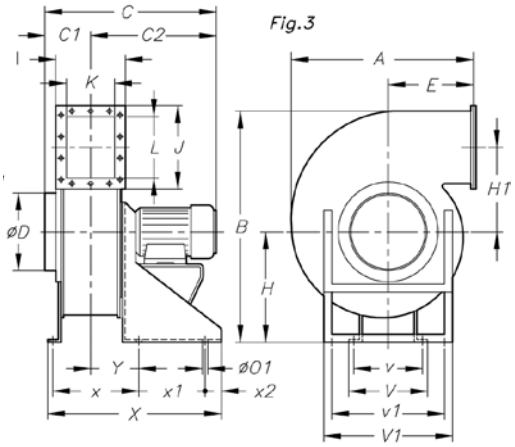


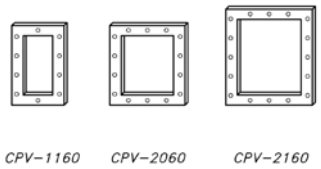


Model	Fig.	A	B	C	C1	C2	øD	E	H	I	J	J2	øK	k	k2	L	øO	ø01	V	v	X	x1	x2	Y
CPV-1030	2	494	698	-	155	-	200	225	410	210	221	200	140	100	186	155	9	12	260	234	-	175	50	130
CPV-1335	2	566	788	-	175	-	225	255	452	240	256	226	160	100	210	180	9	12	320	285	-	200	50	140
CPV-1840-4T	2	631	819	660	210	450	355	275	420	305	356	326	225	100	275	280	9	12	320	285	300	200	50	170
CPV-1840-6T	2	631	809	630	210	420	355	275	410	305	356	326	225	100	275	280	9	12	320	285	300	200	50	170
CPV-2045	2	736	1020	810	245	565	400	310	542	362	421	381	270	100	322	335	9	12	350	315	350	250	50	195

Dimensions in mm

CPV-1160...2160



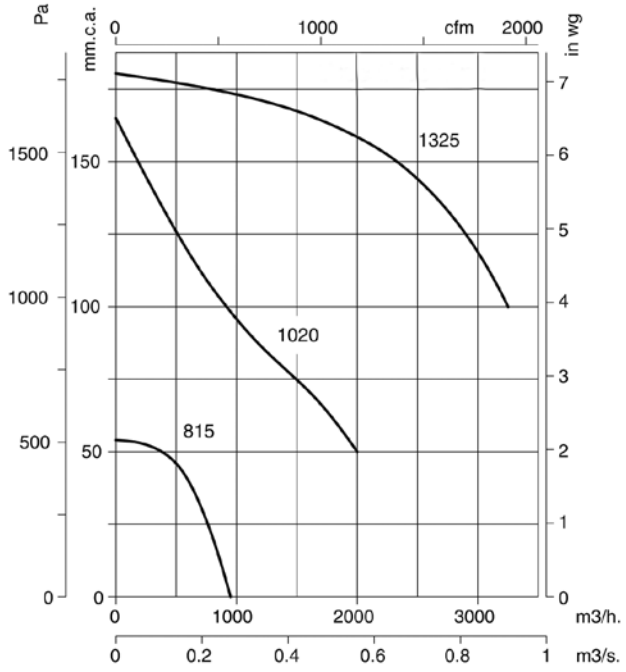


Model	Fig.	A	B	C1	øD	E	H	I	J	J2	øK	k	k2	L	øO	øO1	V	V1	v	v1	X	x	x1	x2	Y
CPV-1160	3	937	1276	210	350	410	700	275	416	366	155	100	225	310	9	14	500	790	450	670	710	265	360	60	155
CPV-2060	3	937	1276	270	400	410	700	395	416	366	275	100	345	310	9	14	500	790	450	670	830	385	360	60	215
CPV-2160	3	981	1336	285	600	414	700	455	501	451	335	100	405	395	9	14	500	790	450	670	890	445	360	60	240

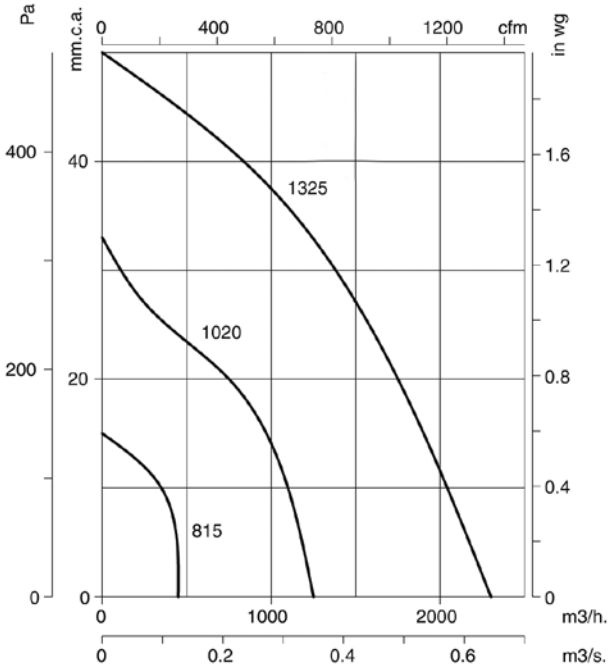
Characteristic curves

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

2T=3000 r/min.



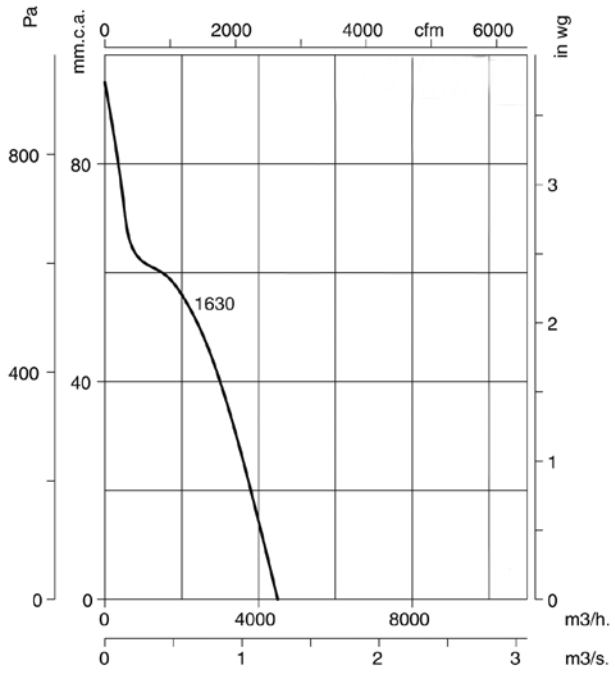
4T=1500 r/min.



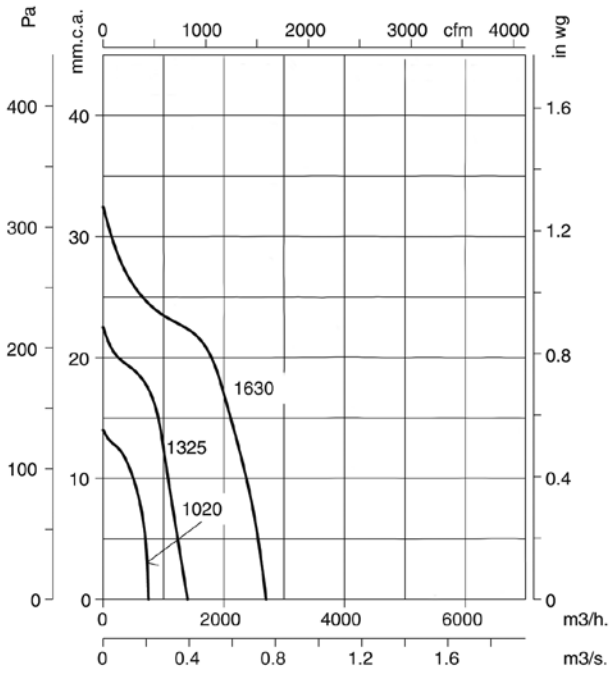
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

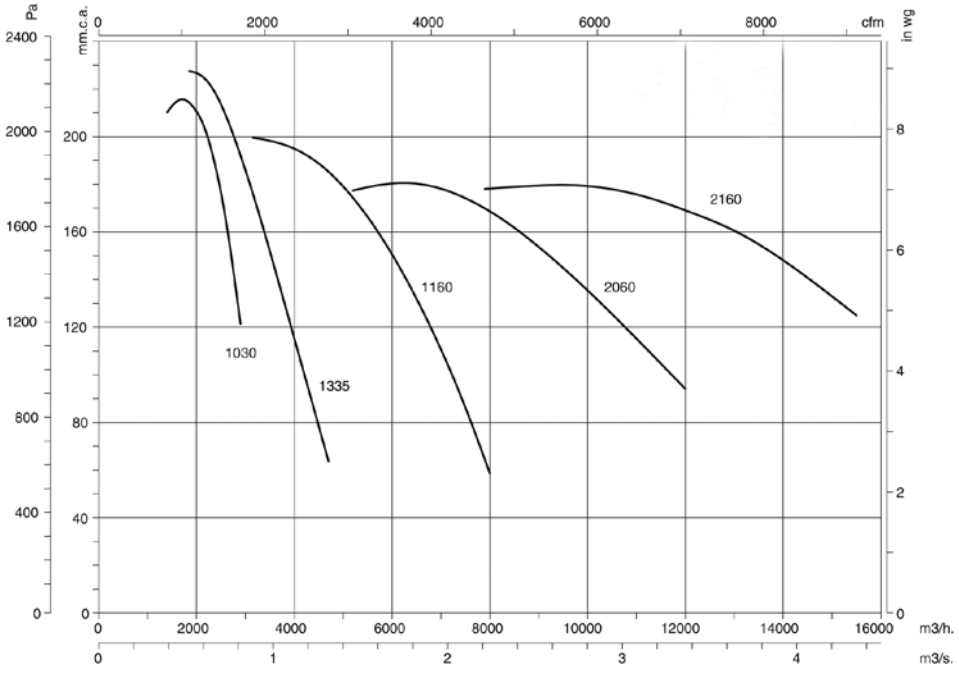
4T=1500 r/min.



6T=1000 r/min.



2T=3000 r/min. 4T=1500 r/min.

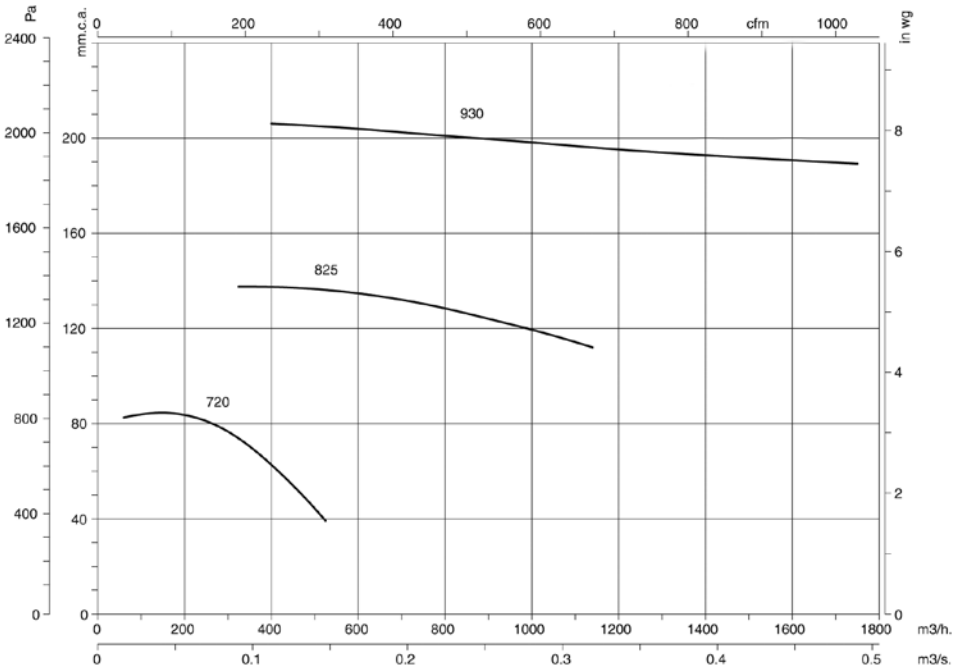


Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm.

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

2T=3000 r/min.



Positions

LG 90 standard supply

LG 0 LG 45 LG 90 LG 315 RD 0 RD 45 RD 90 RD 315

Accessories

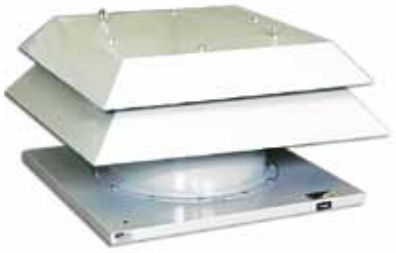
See accessories section.

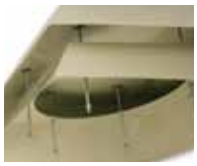
INT AR RFT AET BIC

HTMH

Multifunctional roof fans for large flows

Strongly-built multi-functional roof extractors for extraction of large flows





Hood with natural outlet air due to differential pressure

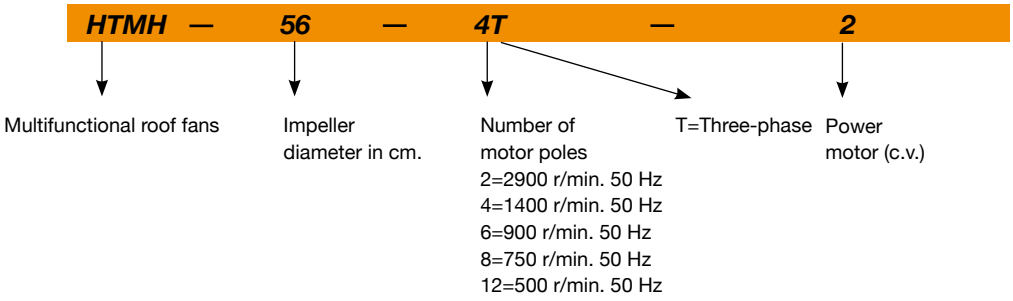
Fan:
- Sheet steel base plate.
- Turnable impellers cast aluminium.
- Protection guard against contacts, in accordance with standard UNE 100-250
- Sheet steel hood with natural outlet air.

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with ball bearings and IP55 protection, except single-phase versions from size 45 to size 56, IP54 protection. One- or two-speed depending on the model
- Single-phase 230V -50Hz. and three-phase 230/400V.50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -25ºC.+ 50ºC.

Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.
- Finish surface quality C4H

On request:
- ATEX motors and two speeds
- Made entirely from stainless steel.
- Hot-rolled galvanised steel construction
- Marine motors with naval applications, with certification for service essential according to different classification bodies (BV, DNV, LR)
- CE, NEMA, UL, CSA motors
- Finish surface quality C5M

Order code



Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power	Maximum airflow	Sound pressure (1) level dB(A)		Approx. weight
	(r/min)	230V	400V	690V	(kW)	(m^3/h)	Inlet	Outlet	(Kg)
HTMH-56-4T-1	1430	3.50	2.00		0.75	10545	62	59	79.0
HTMH-56-4T-1,5	1430	4.80	2.80		1.10	11400	63	60	79.0
HTMH-56-4/8T-1,5	1440 / 710		2.90 / 1.40		1.10 / 0.25	11400 / 5700	63 / 48	60 / 45	79.0
HTMH-56-6T-0,75	960	4.10	2.40		0.55	8170	51	49	80.0
HTMH-63-4T-1,5	1430	4.80	2.80		1.10	13870	65	62	94.0
HTMH-63-4/8T-1,5	1440 / 710		2.90 / 1.40		1.10 / 0.25	13870 / 6935	65 / 50	62 / 47	94.0
HTMH-63-4T-2	1420	6.20	3.60		1.50	15485	66	63	96.0
HTMH-63-4/8T-2	1415 / 715		3.60 / 1.50		1.50 / 0.30	15485 / 7742.5	66 / 51	63 / 48	106.0
HTMH-63-4T-3	1430	9.00	5.20		2.20	17955	67	64	108.0
HTMH-63-4/8T-3	1415 / 715		5.20 / 1.90		2.20 / 0.45	17955 / 8977.5	67 / 52	64 / 49	112.0
HTMH-63-6T-0,75	960	4.10	2.40		0.55	10260	56	54	95.0
HTMH-63-6T-1	950	4.70	2.70		0.75	11305	57	55	95.0
HTMH-71-4T-2	1420	6.20	3.60		1.50	16150	69	66	109.0
HTMH-71-4/8T-2	1415 / 715		3.60 / 1.50		1.50 / 0.30	16150 / 8075	69 / 54	66 / 51	119.0
HTMH-71-4T-3	1430	9.00	5.20		2.20	18430	71	68	122.0
HTMH-71-4/8T-3	1415 / 715		5.20 / 1.90		2.20 / 0.45	18430 / 9215	71 / 56	68 / 53	125.0
HTMH-71-4T-4	1430	11.80	6.80		3.00	22610	72	69	133.0
HTMH-71-4/8T-4	1425 / 710		6.80 / 2.20		3.00 / 0.60	22610 / 11305	72 / 57	69 / 54	135.0
HTMH-71-6T-1	950	4.70	2.70		0.75	13205	58	56	109.0

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure (1) level dB(A) Inlet	Outlet	Approx. weight (Kg)
HTMH-71-6T-1,5	955	5.90	3.40		1.10	16245	59	57	116.0
HTMH-80-4T-4	1430	11.80	6.80		3.00	27600	73	70	163.0
HTMH-80-4/8T-4	1425 / 710		6.80/ 2.20		3.00 / 0.60	27600 / 13800	73 / 58	70 / 55	165.0
HTMH-80-4T-5,5	1435		8.40	4.80	4.00	30176	74	71	163.0
HTMH-80-4/8T-5,5	1455 / 725		9.30/ 3.40		4.00 / 0.80	30176 / 15088	74 / 59	71 / 56	195.0
HTMH-80-6T-1,5	955	5.90	3.40		1.10	19412	62	60	145.0
HTMH-80-6T-2	950	6.70	3.90		1.50	22172	63	61	148.0
HTMH-80-6T-3	935	9.50	5.50		2.20	24932	64	62	160.0
HTMH-80-8T-1	710	4.80	2.80		0.75	16376	61	60	151.0
HTMH-90-4T-5,5	1435		8.40	4.80	4.00	35052	79	76	208.0
HTMH-90-4/8T-5,5	1455 / 725		9.30/ 3.40		4.00 / 0.80	35052 / 17526	79 / 64	76 / 61	238.0
HTMH-90-4T-7,5	1460		12.60	7.30	5.50	38456	81	78	240.0
HTMH-90-4/8T-7,5	1455 / 725		12.80/ 4.60		5.50 / 1.10	38456 / 19228	81 / 66	78 / 63	243.0
HTMH-90-4T-10	1460		17.70	10.20	7.50	41308	82	79	244.0
HTMH-90-4/8T-9	1455 / 725		15.60/ 6.30		6.70 / 1.50	41308 / 20654	82 / 67	79 / 64	243.0
HTMH-90-6T-3	935	9.50	5.50		2.20	29256	68	66	205.0
HTMH-90-6/12T-3	975 / 450		6.30/ 2.20		2.20 / 0.37	29256 / 14628	68 / 53	66 / 51	245.0
HTMH-90-6T-4	970	13.50	7.80		3.00	32016	69	67	235.0
HTMH-90-6/12T-4	975 / 450		8.40/ 2.50		3.00 / 0.40	32016 / 16008	69 / 54	67 / 52	245.0
HTMH-90-8T-1	710	4.80	2.80		0.75	17020	61	60	196.0
HTMH-90-8T-2	705	8.00	4.60		1.50	19596	63	62	208.0
HTMH-100-4T-7,5	1460		12.60	7.30	5.50	40756	84	81	265.0
HTMH-100-4/8T-7,5	1455 / 725		12.80/ 4.60		5.50 / 1.10	40756 / 20378	84 / 69	81 / 66	269.0
HTMH-100-4T-10	1460		17.70	10.20	7.50	47564	85	82	269.0
HTMH-100-4/8T-9	1455 / 725		15.60/ 6.30		6.70 / 1.50	44528 / 22264	84 / 69	81 / 66	269.0
HTMH-100-4T-15	1460		22.00	12.70	11.00	51336	86	83	332.0
HTMH-100-4/8T-14	1455 / 730		20.00/ 7.00		10.00 / 2.00	48300 / 24150	85 / 70	82 / 67	301.0
HTMH-100-6T-3	935	9.50	5.50		2.20	32476	74	72	231.0
HTMH-100-6/12T-3	975 / 450		6.30/ 2.20		2.20 / 0.37	32476 / 16238	74 / 59	72 / 57	271.0
HTMH-100-6T-4	970	13.50	7.80		3.00	35420	75	73	260.0
HTMH-100-6/12T-4	975 / 450		8.40/ 2.50		3.00 / 0.40	35420 / 17710	75 / 60	73 / 58	271.0
HTMH-100-6T-5,5	970		11.00	6.40	4.00	40020	76	74	277.0
HTMH-100-6/12T-5,5	975 / 450		10.50/ 5.00		4.00 / 0.80	40020 / 20010	76 / 61	74 / 59	289.0
HTMH-100-8T-3	705	10.40	6.00		2.20	26404	69	68	260.0
HTMH-100-8T-4	705	14.00	8.10		3.00	28704	70	69	270.0

(1) The sound level values are free field measurements of pressure in dB(A) at a distance of 6 m.

Acoustic features

Values taken at inlet with maximum airflow. Values taken at outlet with maximum airflow.

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

Model	63	125	250	500	1000	2000	4000	8000
56-4-1	46	67	74	79	82	78	71	60
56-4-1	43	64	71	76	79	75	68	57
56-4-1,5	47	68	75	80	83	79	72	61
56-4-1,5	44	65	72	77	80	76	69	58
56-6	35	56	63	68	71	67	60	49
56-6	33	54	61	66	69	65	58	47
56-8	32	53	60	65	68	64	57	46
56-8	29	50	57	62	65	61	54	43
63-4-1,5	49	70	77	82	85	81	74	63
63-4-1,5	46	67	74	79	82	78	71	60
63-4-2	50	71	78	83	86	82	75	64
63-4-2	47	68	75	80	83	79	72	61
63-4-3	51	72	79	84	87	83	76	65
63-4-3	48	69	76	81	84	80	73	62
63-6-0,75	40	61	68	73	76	72	65	54
63-6-0,75	38	59	66	71	74	70	63	52
63-6-1	41	62	69	74	77	73	66	55
63-6-1	39	60	67	72	75	71	64	53
63-8-1,5	34	55	62	67	70	66	59	48
63-8-1,5	31	52	59	64	67	63	56	45
63-8-2	35	56	63	68	71	67	60	49
63-8-2	32	53	60	65	68	64	57	46
63-8-3	36	57	64	69	72	68	61	50
63-8-3	33	54	61	66	69	65	58	47
71-4-2	53	74	81	86	89	85	78	67

Model	63	125	250	500	1000	2000	4000	8000
71-4-2	50	71	78	83	86	82	75	64
71-4-3	55	76	83	88	91	87	80	69
71-4-3	52	73	80	85	88	84	77	66
71-4-4	56	77	84	89	92	88	81	70
71-4-4	53	74	81	86	89	85	78	67
71-6-1	42	63	70	75	78	74	67	56
71-6-1	40	61	68	73	76	72	65	54
71-6-1,5	43	64	71	76	79	75	68	57
71-6-1,5	41	62	69	74	77	73	66	55
71-8-2	38	59	66	71	74	70	63	52
71-8-2	35	56	63	68	71	67	60	49
71-8-3	40	61	68	73	76	72	65	54
71-8-3	37	58	65	70	73	69	62	51
71-8-4	41	62	69	74	77	73	66	55
71-8-4	38	59	66	71	74	70	63	52
80-4-4	57	78	85	90	93	89	82	71
80-4-4	54	75	82	87	90	86	79	68
80-4-5,5	58	79	86	91	94	90	83	72
80-4-5,5	55	76	83	88	91	87	80	69
80-6-1,5	46	67	74	79	82	78	71	60
80-6-1,5	44	65	72	77	80	76	69	58
80-6-2	47	68	75	80	83	79	72	61
80-6-2	45	66	73	78	81	77	70	59
80-6-3	48	69	76	81	84	80	73	62
80-6-3	46	67	74	79	82	78	71	60

Acoustic features

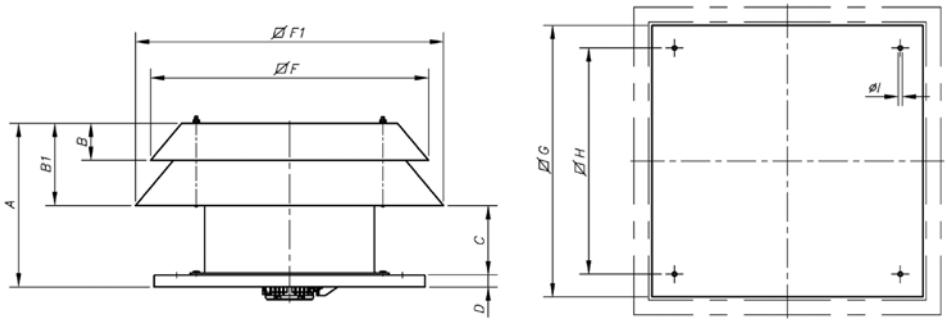
Values taken at inlet with maximum airflow. Values taken at outlet with maximum airflow.

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

Model	63	125	250	500	1000	2000	4000	8000
80-8-1	45	66	73	78	81	77	70	59
80-8-1	44	65	72	77	80	76	69	58
80-8-4	42	63	70	75	78	74	67	56
80-8-4	39	60	67	72	75	71	64	53
80-8-5,5	43	64	71	76	79	75	68	57
80-8-5,5	40	61	68	73	76	72	65	54
90-4-5,5	63	84	91	96	99	95	88	77
90-4-5,5	60	81	88	93	96	92	85	74
90-4-7,5	65	86	93	98	101	97	90	79
90-4-7,5	62	83	90	95	98	94	87	76
90-4-9	66	87	94	99	102	98	91	80
90-4-9	63	84	91	96	99	95	88	77
90-4-10	66	87	94	99	102	98	91	80
90-4-10	63	84	91	96	99	95	88	77
90-6-3	52	73	80	85	88	84	77	66
90-6-3	50	71	78	83	86	82	75	64
90-6-4	53	74	81	86	89	85	78	67
90-6-4	51	72	79	84	87	83	76	65
90-8-1	45	66	73	78	81	77	70	59
90-8-1	44	65	72	77	80	76	69	58
90-8-2	47	68	75	80	83	79	72	61
90-8-2	46	67	74	79	82	78	71	60
90-8-5,5	48	69	76	81	84	80	73	62
90-8-5,5	45	66	73	78	81	77	70	59
90-8-7,5	50	71	78	83	86	82	75	64
90-8-7,5	47	68	75	80	83	79	72	61
90-8-9	51	72	79	84	87	83	76	65
90-8-9	48	69	76	81	84	80	73	62
90-12-3	37	58	65	70	73	69	62	51
90-12-3	35	56	63	68	71	67	60	49
90-12-4	38	59	66	71	74	70	63	52
90-12-4	36	57	64	69	72	68	61	50

Model	63	125	250	500	1000	2000	4000	8000
100-4-7,5	68	89	96	101	104	100	93	82
100-4-7,5	65	86	93	98	101	97	90	79
100-4-9	68	89	96	101	104	100	93	82
100-4-9	65	86	93	98	101	97	90	79
100-4-10	69	90	97	102	105	101	94	83
100-4-10	66	87	94	99	102	98	91	80
100-4-14	69	90	97	102	105	101	94	83
100-4-14	66	87	94	99	102	98	91	80
100-4-15	70	91	98	103	106	102	95	84
100-4-15	67	88	95	100	103	99	92	81
100-6-3	58	79	86	91	94	90	83	72
100-6-3	56	77	84	89	92	88	81	70
100-6-4	59	80	87	92	95	91	84	73
100-6-4	57	78	85	90	93	89	82	71
100-6-5,5	60	81	88	93	96	92	85	74
100-6-5,5	58	79	86	91	94	90	83	72
100-8-3	53	74	81	86	89	85	78	67
100-8-3	52	73	80	85	88	84	77	66
100-8-4	54	75	82	87	90	86	79	68
100-8-4	53	74	81	86	89	85	78	67
100-8-7,5	53	74	81	86	89	85	78	67
100-8-7,5	50	71	78	83	86	82	75	64
100-8-9	53	74	81	86	89	85	78	67
100-8-9	50	71	78	83	86	82	75	64
100-8-14	54	75	82	87	90	86	79	68
100-8-14	51	72	79	84	87	83	76	65
100-12-3	43	64	71	76	79	75	68	57
100-12-3	41	62	69	74	77	73	66	55
100-12-4	44	65	72	77	80	76	69	58
100-12-4	42	63	70	75	78	74	67	56
100-12-5,5	45	66	73	78	81	77	70	59
100-12-5,5	43	64	71	76	79	75	68	57

Dimensions in mm

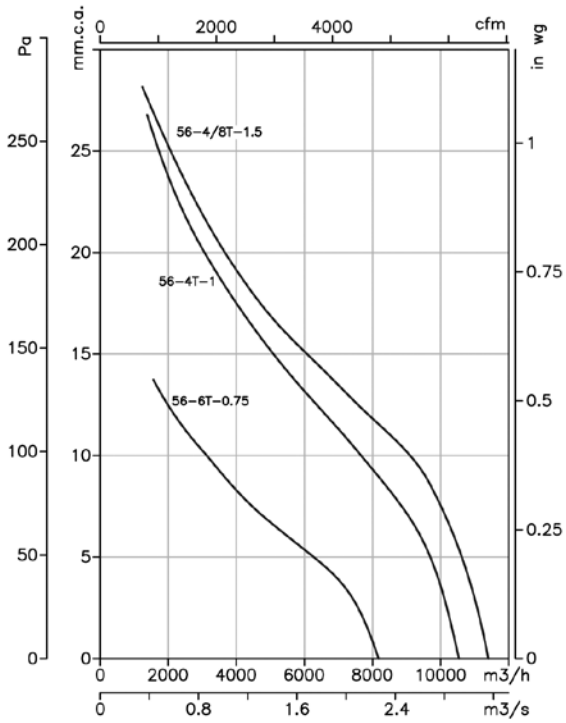


Model	A	B	B1	C	D	F	F1	G	H	ØI
HTMH-56	532	132	266	225	40	925	936	900	750	14
HTMH-63	577	141.5	311.5	225	40	1026	1058	1000	850	14
HTMH-71	661	156.5	351.5	270	40	1138	1180	1000	850	14
HTMH-80	721	176.5	401.5	270	50	1262	1313	1150	1000	14
HTMH-90	817	202	452	315	50	1425	1482	1150	1000	14
HTMH-100	957	212	492	415	50	1580	1642	1250	1100	14

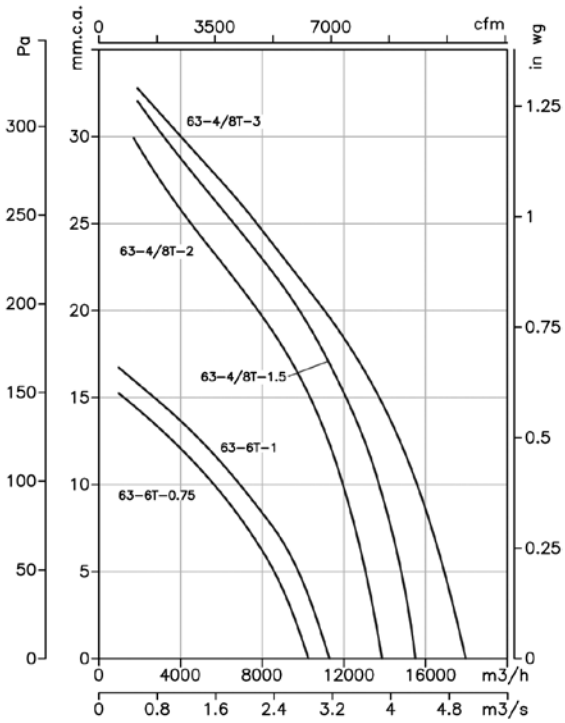
Characteristic curves

Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

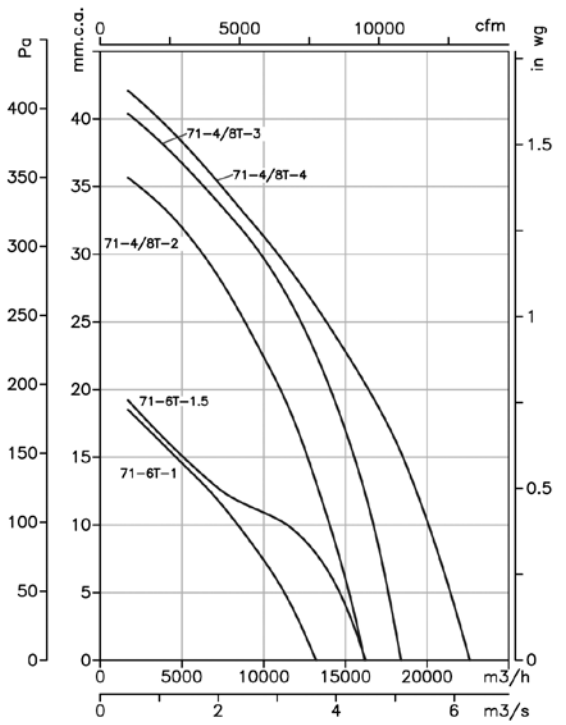
HTMH-56



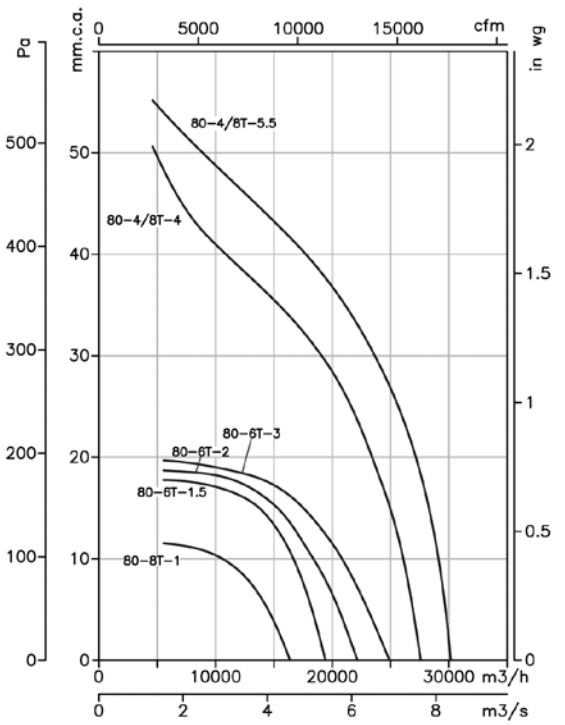
HTMH-63



HTMH-71



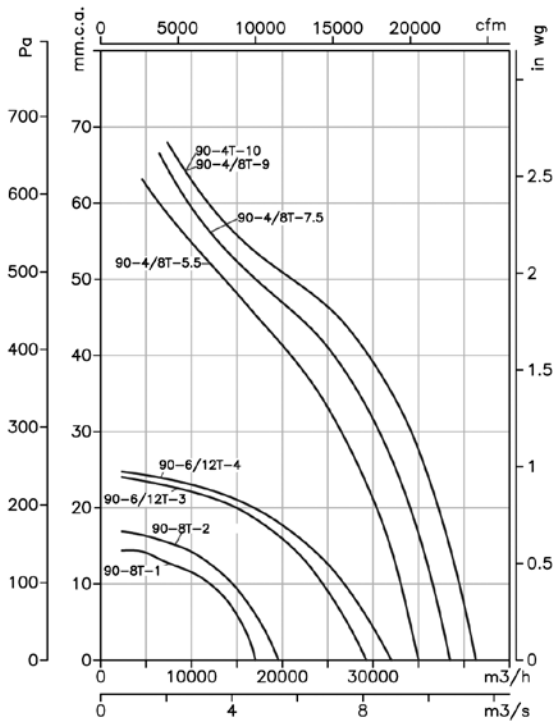
HTMH-80



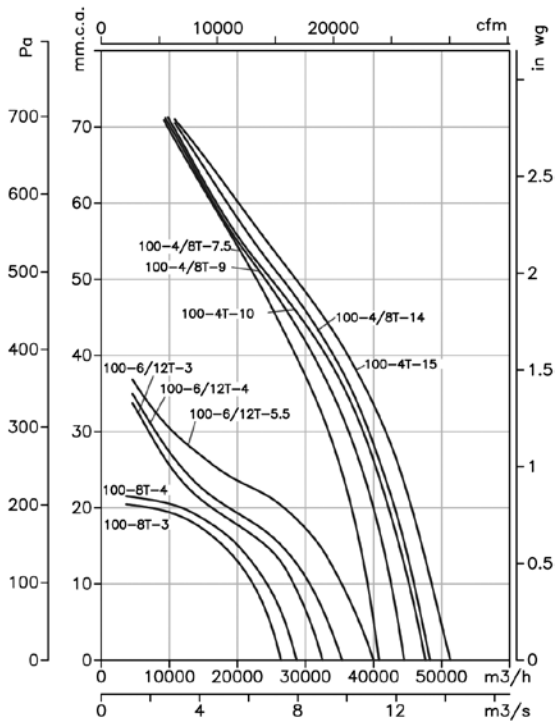
Characteristic curves

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

HTMH-90

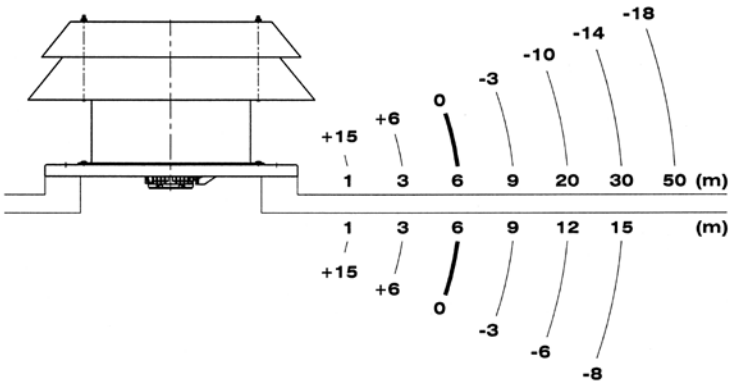


HTMH-100



Validation of the sound pressure according to distance

The sound level may vary depending on the roof structure.

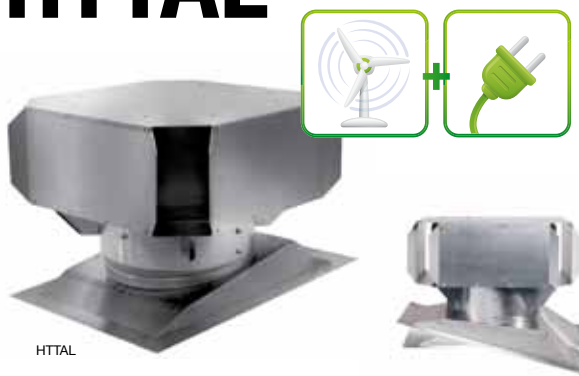


Accessories

See accessories section

INT AET AR RFT RT

HTTAL



Mixed (wind + dynamic) roof fans with adjustable base

Roof fan operating by means of natural convection (due to depression of hot air and the Venturi effect) and with an additional fan to improve the performance.

Fan
- Adjustable base for roof slopes between 0 and 30%
- Built in sheet aluminium with a stainless steel base to prevent corrosion
- Impeller made from polyamide

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP55 protection
- Three-phase 230/400V – 50 Hz
- Max. air temperature to transport: - 25ºC y +60ºC

Order code

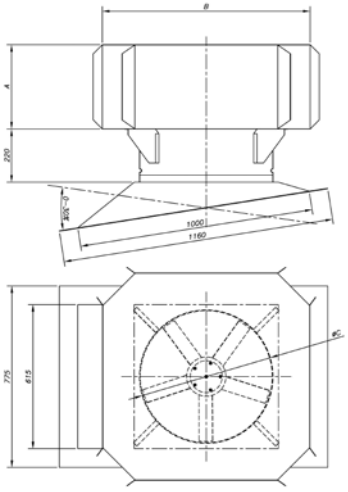
HTTAL — 56 — 4T

- HTTAL: Mixed roof fan with adjustable base
- 56: Impeller diameter (cm)
- 4T: Number of motor poles 4=1400 r/min. 50 Hz 6=900 r/min. 50 Hz
- T= Three-phase

Technical characteristics

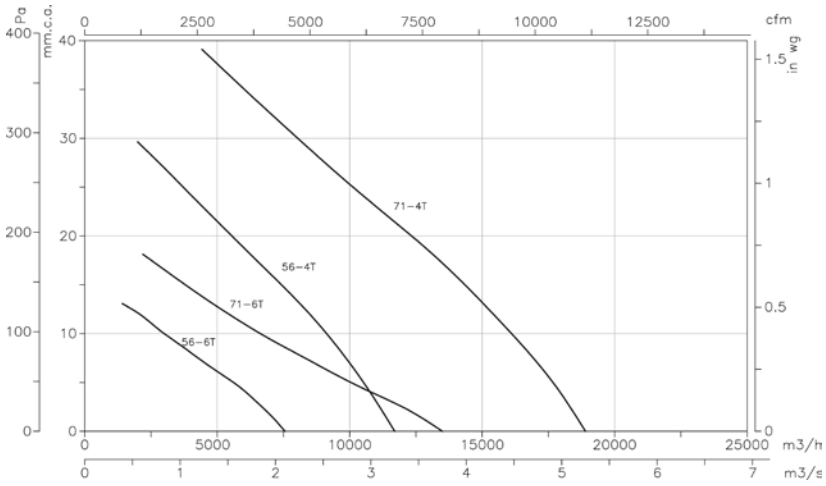
Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HTTAL-56-4T	1440	4.68	2.70	1.10	11700	72	44.00
HTTAL-56-6T	940	2.25	1.30	0.37	7560	61	43.60
HTTAL-71-4T	1450	6.06	3.50	1.50	18900	78	56.00
HTTAL-71-6T	950	2.96	1.71	0.55	13500	61	55.00

Dimensions in mm



Model	A	B	ØC
HTTAL-56-4T	360	920x920	570
HTTAL-56-6T	360	920x920	570
HTTAL-71-4T	460	1150x1150	730
HTTAL-71-6T	460	1150x1150	730

Characteristic Curves

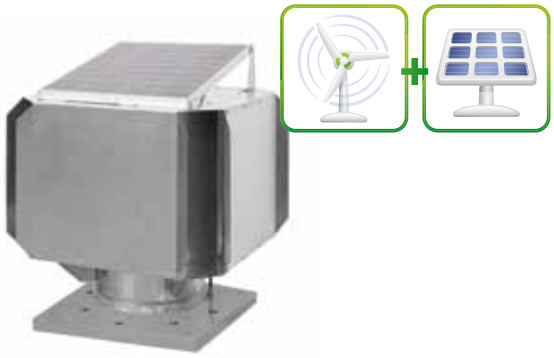


Accessories

See accessories section.

INT AR RFT/ RFM PANELS S

HTSOLAR



HTSOLAR-45

Mixed (wind + solar) roof fans without electrical installation and without electricity consumption

Roof fan with operation by means of photovoltaic panel with variable angle of incidence or by means of wind energy. Totally self-sufficient WITHOUT electrical installation and WITHOUT electricity consumption

Fan:
- Made from galvanised sheet
- Aluminium sheet impeller
- Activation of the fan by means of a built-in thermostat: ON (26.5ºC)/OFF (18ºC)

HTSOLAR-45-S

HTSOLAR-45-D

Solar-powered roof fans without electrical installation and without electricity consumption

Roof fan with operation by means of photovoltaic panel with variable angle of incidence.

Fan:
- Sheet steel base with anti-corrosive treatment
- Impellers made from polyamide
- Sheet steel hood with anti-corrosive treatment
- Activation of the fan by means of a built-in thermostat: ON (26.5ºC)/OFF (18ºC)

Order code

HTSOLAR — 45 — D

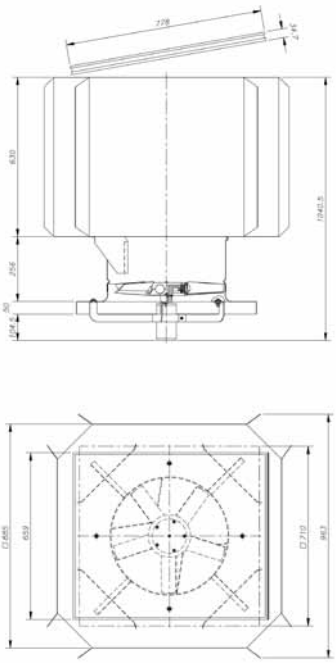
- HTSOLAR: Roof fans without electrical installation and without electricity consumption
- 45: Impeller diameter (cm)
- D: two-fan version; S: one-fan version

Technical characteristics

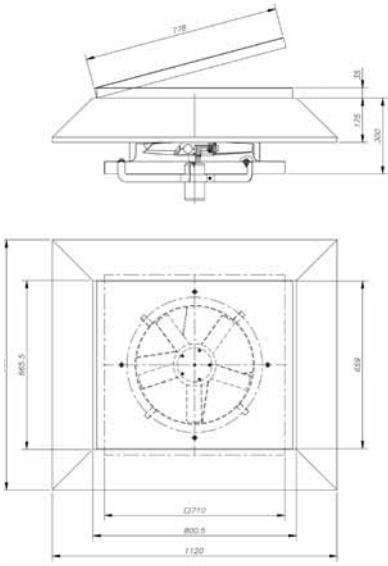
Model	Speed (r/min)	Maximum admissible current (A)	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A) Inlet	Sound pressure level dB(A) Outlet	Approx. weight (Kg)
HTSOLAR-45	1350	3.50	0.10	3010	48	50	55
HTSOLAR-45-S	1350	3.50	0.10	2800	48	50	34
HTSOLAR-45-D	1350	3.50	2 x 0.10	5600	51	53	65

Dimensions in mm

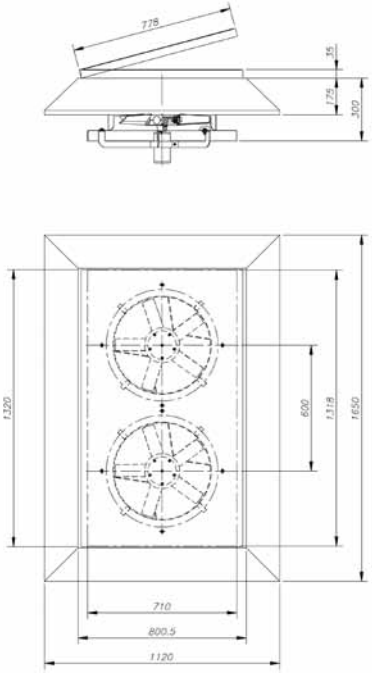
HTSOLAR-45



HTSOLAR-45-S

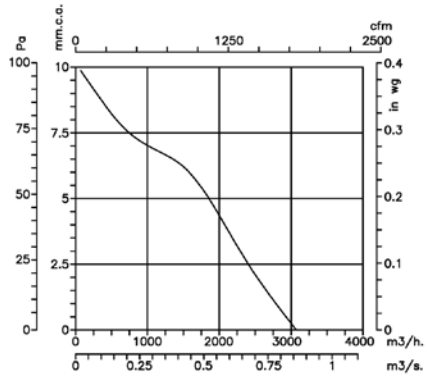


HTSOLAR-45-D

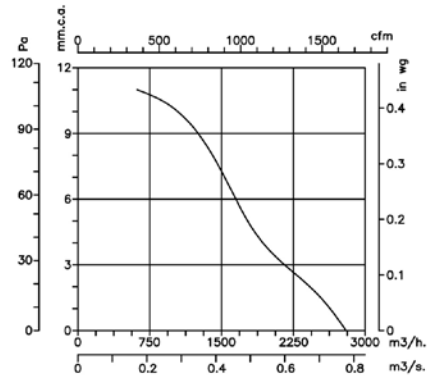


Characteristic Curves

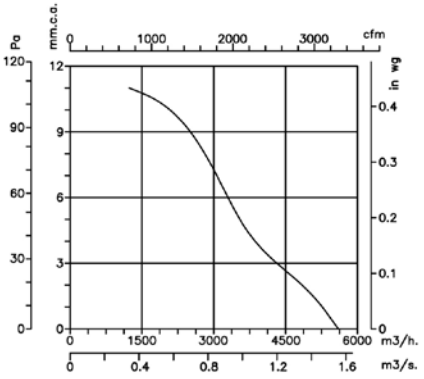
HTSOLAR-45



HTSOLAR-45-S



HTSOLAR-45-D



KIT SOBREPRESIÓN

The system of pressurisation of staircases, escape routes or of confinement makes it possible to control the airflow automatically and to maintain a differential pressure of 50 Pa in a single stage, according to standard UNE EN 12101-6-2006.

STAIRWELL KIT SOBREPRESIÓN
For three-phase equipment

STAIRWELL KIT SOBREPRESIÓN
For single-phase equipment

KIT SOBREPRESIÓN WITH
RESERVE FAN

STAIRWELL KIT SOBREPRESIÓN

- Stairwell overpressure kit made up of control panel (BOXPRES KIT) and outlet units (CJHCH or CJBD) , for the pressurisation of the stairwells and escape routes. It also available for single-phase equipment NEOLINEO AND CJBC.

KIT SOBREPRESIÓN WITH RESERVE FAN

- Overpressure kit with reserve fan, made up of control panel (BOXPRES KIT II), which incorporates a system of automatic switching to keep the overpressure in the case of a stop by the main fan and TWIN or CJHCH/DUPLEX air outlet units with reserve fan.

BOXPRES

- Easy to install
- Compact and self-sufficient solution
- Preventive maintenance
- Easy starting
- Safe and functional installation

- The proper operation of the pressurisation systems depends not only on correct design but also on the proper regulation carried out by the system with the result that it is of vital importance to have calibrated and highly-precise regulation elements which make it possible to have the two situations in the case of fire, in a rapid and stable manner.
- The BOXPRES control panel, apart from satisfying the most demanding requirements, simplifies the work of the installer to the greatest possible extent.

Includes:
- Frequency varier programmed to 50 Pa
- Differential pressure probe
- Magneto thermal
- Line LED and fault
- Check button

BOXPRES is a piece of equipment with all its interconnections made and tested
- Ready to work and carry out its duties on the pressure control of the installation.
- Possibility of checking the installation so as to prevent faults
- Only the power cable, the impulsion fan and the fire signal should be connected.

The panels for single-phase equipment include:
- Frequency voltage programmed to 50 Pa
- Differential pressure probe external to the equipment.

Order code

KIT SOBREPRESIÓN — 7.100

Kit sobrepresión: Overpressure set for staircases
Kit sobrepresión II: Overpressure set with reserve fan

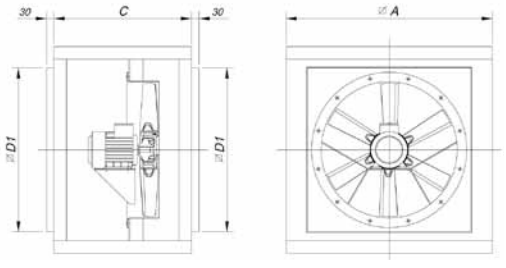
Maximum Airflow

Technical characteristics

Model	Power supply	Output	Outlet unit	Airflow (m³/h)	Irradiated sound level * dB(A)
KIT SOBREPRESION-1060-LED	230 Vac II	230 Vac II	NEOLINEO-200	1060	38
KIT SOBREPRESION-2300-LED	230 Vac II	230 Vac II	NEOLINEO-315	2300	47
KIT SOBREPRESION-2880-LED	230 Vac II	230 Vac II	CJBC-2828-6M 1/3	2880	61
KIT SOBREPRESION-7100-LED	230 Vac II	230 Vac III	CJHCH-45-4T-0,5	7100	55
KIT SOBREPRESION-7800-LED	230 Vac II	230 Vac III	CJBD-3333-6T-1,5	7800	55
KIT SOBREPRESION-12900-LED	230 Vac II	230 Vac III	CJHCH-56-4T-1	12900	60
KIT SOBREPRESION-17000-LED	230 Vac II	230 Vac III	CJHCH-63-4T-1,5	17000	61
KIT SOBREPRESION-7100-BOX	400 Vac III	400 Vac III	CJHCH-45-4T-0,5	7100	55
KIT SOBREPRESION-7800-BOX	400 Vac III	400 Vac III	CJBD-3333-6T-1,5	7800	55
KIT SOBREPRESION-12900-BOX	400 Vac III	400 Vac III	CJHCH-56-4T-1	12900	60
KIT SOBREPRESION-17000-BOX	400 Vac III	400 Vac III	CJHCH-63-4T-1,5	17000	61
KIT SOBREPRESION II-6240-BOX	400 Vac III	400 Vac III	TWIN-12/12-6T-1,5	6240	55
KIT SOBREPRESION II-9520-BOX	400 Vac III	400 Vac III	TWIN-15/15-6T-3	9520	54
KIT SOBREPRESION II-12900-BOX	400 Vac III	400 Vac III	CJHCH/DUPLEX-56-4T-1-H	12900	60
KIT SOBREPRESION II-17000-BOX	400 Vac III	400 Vac III	CJHCH/DUPLEX-63-4T-1,5-H	17000	61
SONDA TPDA SI-PRESIÓN c/DISPLAY					
SONDA TPDA 984M.523 P04					
SONDA TPDA 984M.523 P14 LED					
BOXPRES KIT-3A 230Vac	230 Vac II	230 Vac II			
BOXPRES KIT-10A 230Vac	230 Vac II	230 Vac II			
BOXPRES KIT-0,75KW 230Vac	230 Vac II	230 Vac III			
BOXPRES KIT-1,5KW 230Vac	230 Vac II	230 Vac III			
BOXPRES KIT-0,75KW 400Vac	400 Vac III	400 Vac III			
BOXPRES KIT-1,5KW 400Vac	400 Vac III	400 Vac III			
BOXPRES KIT-2,2KW 400Vac	400 Vac III	400 Vac III			
BOXPRES KIT II - 1,5KW 400Vac	400 Vac III	400 Vac III			
BOXPRES KIT II - 2,2KW 400Vac	400 Vac III	400 Vac III			

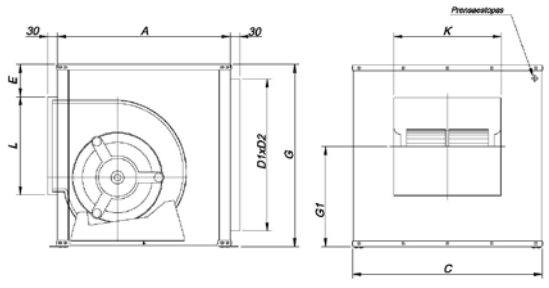
Dimensions in mm

CJHCH



Model	ØA	C	ØD1
CJHCH-40/45/50	700	550	565
CJHCH-56/63	825	550	690

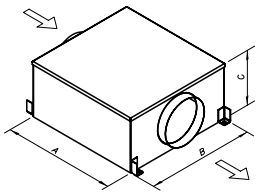
CJBD



Model	Equiv. inches	A	B	C	E	D1xD2	G1	L	K
CJBD-3333	12/12	650	650	700	92	556X606	379	358	400

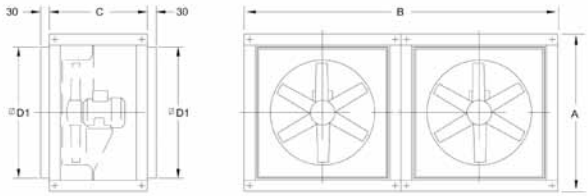
Dimensions in mm

TWIN



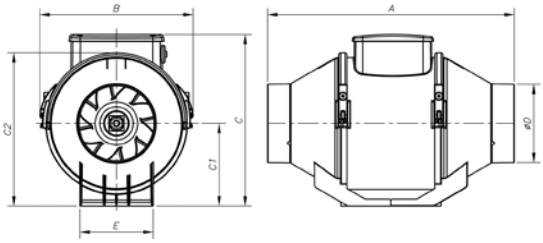
Model	A	B	C
TWIN-12/12	1103	1139	610
TWIN 15/15	1279	1639	698

CJHCH/DUPLEX



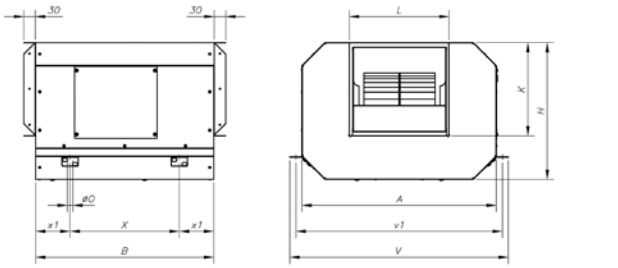
Model	ØA	B	C	ØD1
CJHCH/DUPLEX-56/63	825	1650	550	690

NEOLINEO



Model	A	B	C	C1	C2	øD	E
NEOLINEO-200	300	234,5	260,5	125,5	235	196	140
NEOLINEO-315	448	361,5	392,5	188,5	359	312	220,5

CJBC



Model	A	B	H	K	L	øO	V	v1	X	x1
CJBC-2828-6M-1/3	696	645	460	290	320	15	755	725	445	100

BOXPRESS KIT SOBREPRESIÓN

Technical characteristics and measurements

Model	Power kW	Power supply (V/Hz)	Output (V/Hz)	Output current (A)	Size	Measurements (L x W x D)
BOXPRES KIT-3A 230Vac	-	230 Vac II	230 Vac II	3	-	255 x 170 x 140 mm
BOXPRES KIT-10A 230Vac	-	230 Vac II	230 Vac II	10	-	255 x 170 x 140 mm
BOXPRES KIT-0,75kW 230Vac	0,75	230 V II / 50Hz	230 V III / 50Hz	4.3	1	270 x 270 x 170 mm
BOXPRES KIT-1,5kW 230Vac	1,5	230 V II / 50Hz	230 V III / 50Hz	7	1	270 x 270 x 170 mm
BOXPRES KIT-0,75KW 400Vac	0,75	400 V III / 50Hz	400 V III / 50Hz	2,2	1	270 x 270 x 170 mm
BOXPRES KIT-1,5KW 400Vac	1,5	400 V III / 50Hz	400 V III / 50Hz	4,1	1	270 x 270 x 170 mm
BOXPRES KIT-2,2KW 400Vac	2,2	400 V III / 50Hz	400 V III / 50Hz	5,8	2	360 x 360 x 205 mm

BOXPRES KIT-3A / KIT-10A

Connection of power and motor

Regulator

Probe

Pressure connection

Stuffing-box for cable input to equipment Size 1

M 20 x 1.5mm
Connection of power and motor

M 12 x 1.5mm
Fire signal connection

Pressure connection

Stuffing-box for cable input to equipment Size 2

M 20 x 1.5mm
Connection of power and motor

M 12 x 1.5mm
Fire signal connection

Pressure connection

BOXPRESS KIT SOBREPRESIÓN II

For equipment with reserve fan.

Technical characteristics and measurements

Model		Power kW	Power supply (V/Hz)	Output (V/Hz)	Output current (A)	Size	Measurements (L x W x D)
BOXPRES KIT II - 1,5KW	400Vac	1,5	400 V III / 50Hz	400 V III / 50Hz	4,1	1	270 x 270 x 170 mm
BOXPRES KIT II - 2,2KW	400Vac	2,2	400 V III / 50Hz	400 V III / 50Hz	5,4	2	360 x 360 x 205 mm

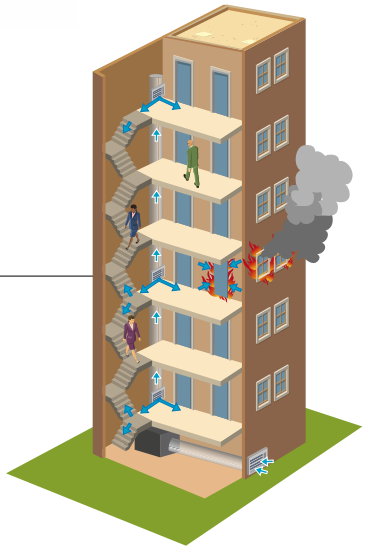
* The two motors never operate simultaneously

Stuffing-box for cable input to equipment Size 1

Stuffing-box for cable input to equipment Size 2

Example of use

Overpressure smoke control method; this system consists of pressurization by means of the injection of air in spaces which are used as escape routes for people in case of fire, such as stair wells, passageways, corridors, elevators, etc. Above all in densely occupied tall buildings. This method is based on smoke control by means of the speed of air and the artificial barrier which is created by excess air pressure over smoke, so that it cannot enter escape routes.



FANS FOR
WIND APPLICATIONS

CMR/EOL

HFT/EOL

HC/EOL

Fan:
- The harsh conditions to which extractors and fans for wind applications are subject mean that they require a specific, high-quality design to work for years with the maximum guarantee of operation.
- Due to a large quantity of experience in different projects of wind applications, SODECA has developed specific products for these applications which fulfil the most demanding specifications in this market.

Motor:
- Reinforced windings
- Encapsulated windings
- Special windings to 690V, 500V, etc.
- Heating resistances for storage at -40ºC
- PTC sensors in the winding

Surface finish:
- The harsh environmental conditions to which the fans are subject for wind applications make different surface finishes necessary according to the place of installation
- Finishes in high-quality, long-lasting paint, C3H, C4H and C5M quality
- Finishes for highly-saline environments
- Hot galvanised
- Stainless constructions

ACCESSORIES

INT

On/Off safety switches in accordance with Standard UNE-EN 60204-1.

120

AR

Smooth starters for three-phase motors.

120

RFT RFM

Frequency converters for 400 V three-phase motors.

121

ELECTRICAL PANELS

Electrical panels

122

PL

Backdraught shutters

123

P

Aluminium backdraught louvres

123

R

Protection guard for aspiration of axial fans.

123

RI

Protection guard for outlet of axial fans.

124

RT

Protection guard for inlet or outlet of long-cased axial fans.

124

RPA

Protection guard for inlet of centrifugal fans.

124

BTUB

Coupling flange for axial fans.

124

B

Coupling flange for centrifugal fans.

125

BD

Double, elastic coupling flange for centrifugal fans.

126

BAC

Double, elastic coupling flange for axial fans

127

BIC

Flange to change from rectangular to circular for centrifugal fans.

126

PS

Support stands for long-cased fans.

127

MS

Support frame to facilitate mounting on-site

127

PA

Adaptation plate to mount accessories on roof fans.

127

PT

Automatic-closing shutters to work in vertical position

128

OP

Backdraught shutters for roof fans

128

ACE/ATEX

Elastic coupling to absorb vibrations

128

REG

Record of regulation manual

128

CJACUS

Soundproofed boxes for centrifugal fans

129

S

Silencers to fit to inlet or outlet

129

INTELLIGENT SENSORS

133

INT

On/off safety switches in accordance with Standard UNE-EN 60204-1.

Features:

- Switch to be placed beside the fan, so that mains current can be cut without handling the fan
- IP65 protection
- For three-phase or two-speed fans, use 6-pole switch
- For single-phase fans, use a 3-pole switch

Model	Current (A)	(kW)	Cable input (mm)
INT-CA 10/3CA	20	5.5	19
INT-KG 10/3CA	20	5.5	23
INT-KG 20/3CA	25	7.5	29
INT-KG 32/3CA	32	11	29
INT-KG 41/3CA	40	15	37.5
INT-KG 64/3CA	63	22	37.5
INT-KG 80/3CA	80	30	37.5
INT-KG 100/3CA	100	37	37.5

Model	Current (A)	(kW)	Cable input (mm)
INT-CA 10/6CA	20	5.5	19
INT-KG 10/6CA	20	5.5	23
INT-KG 20/6CA	25	7.5	29
INT-KG 32/6CA	32	11	29
INT-KG 41/6CA	40	15	37.5
INT-KG 64/6CA	63	22	37.5
INT-KG 80/6CA	80	30	37.5
INT-KG 100/6CA	100	37	37.5

AR

Soft starters for three-phase motors.

Features:

- Especially designed to reduce the current peak caused during start-up of fans with three-phase motors.
- Power Voltage 400V + - 10% 50/60Hz
- Mounted in box for DIN-35 rail
- Possibility of adjusting the starting torque, acceleration time and deceleration time.

Model		AR-2	AR-4	AR-7,5	AR-10	AR-15	AR-20	AR-30
Supplied voltage		400 V ±10% 50/60 Hz						
Motor power in kW at 400 V		1.5	3	5.5	7.5	11	15	22
Minimum motor power		40% of the motor's nominal power			20% of the motor's nominal power			
External fuses (quick-action) in (A)		16	25	35	25	35/40	50	63
Nominal current in (A)		3.5	6.5	12	17	25	32	45
Adjustment range of start-up torque		From 0 to 80%						
Adjustment range of start-up time		From 0.5 to 12 s			From 0.5 to 10 s			
Braking torque		Level set at 70%						
Adjustment range of deceleration time		From 0.5 to 12 s			From 0.5 to 10 s			
Setup time		200 ms						
Working temperature		0ºC....45ºC						
Storage temperature		-25ºC....75ºC						
Protection level		IP20						
Environmental conditions		Overpressure category III, Pollution level 2						
Power reduced with max. temperature		1% for every 1ºC increase in the maximum temperature						
Maximum height for mounting		Up to 1000 m						
Power reduced with max. height		0.5% for every 100 m over 1000 m.						
Humidity		93% maximum without condensation						
Maximum cycles per hour (3 x I nom, 10 sec)		90/h	60/h	30/h	60/h	40/h	30/h	20/h
Weight in kg.		0.4			1.0			
Measurements	Width (W) mm	45			45			52.5
	Height (H) mm	73			173			178
	Depth (D) mm	122			152			158
Assembly	Fixing A x B	On DIN guide rail						

RFT RFM

Frequency converter for 400V three-phase motors.

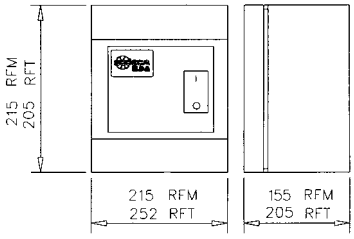
Features:
- The RFT converter series are suitable to vary the speed, via voltage and frequency, of axial and centrifugal fans with 400V three-phase motors. Converter power supply: 400V three-phase. 50/60 Hz.
- In accordance with Electromagnetic Compatibility Directives 92/31/EEC and 93/68/EEC and in accordance with Low Voltage Directive 73/23/EEC

Features:
- The RFM converter series are suitable to vary the speed, via voltage and frequency, of axial and centrifugal fans with 230V three-phase motors. Converter power supply: 230V single-phase. 50/60 Hz.
- In accordance with Electromagnetic Compatibility Directives 92/31/EEC and 93/68/EEC and in accordance with Low Voltage Directive 73/23/EEC

Model		RFT-0,5	RFT-1	RFT-2	RFT-3	RFT-5,5	RFT-7,5	RFT-10	RFT-15	RFT-20	RFT-25	RFT-30
Motor	(C.V.)	0.5	1	2	3	5.5	7.5	10	15	20	25	30
	(kW)	0.37	0.75	1.5	2.2	4	5.5	7.5	11	15	18.5	22
Current	(A)	1.25	2.5	4	6	9	12	16	24	30	39	45
kVA		0.95	1.9	3	4.5	6.9	9.1	12.2	19.1	23.9	31.1	35.9
Input		Three-phase										
Voltage	(V)	3 x 380…480 V (-15% +10%)										
Frequency	(Hz)	50 – 60 Hz (± 5%)										
Output		Three-phase										
Voltage	(V)	3 x 380…480 V										
Frequency (Hz)		0….400 Hz							0...120 Hz			
Braking torque		20% (with external resistance: 100%, 150%)										
Braking unit		Incorporated in the equipment							Optional			
Size Width	(W1) mm	70	70	100	140	140	180	180	200	250	250	304
Height	(H1) mm	128	128	128	128	128	220	220	284	385	385	460
Depth	(D1) mm	130	130	130	155	155	170	170	182	201	201	234
Weight	(Kg)	0.76	0.77	1.12	1.84	1.89	3.66	3.66	6	12.5	13	20
Method of refrigeration		Forced air										

Model		RFM-0,5	RFM-1	RFM-2	RFM-3
Motor	(C.V.)	0.5	1	2	3
	(kW)	0.37	0.75	1.5	2.2
Current	(A)	2.5	5	8	12
kVA		0.95	1.9	3	4.5
Input		Single-phase			
Voltage	(V)	2 x 200 ÷ 230 V (±10%)			
Frequency	(Hz)	50 – 60 Hz (± 5%)			
Output		Three-phase			

Model		RFM-0,5	RFM-1	RFM-2	RFM-3
Voltage	(V)	3 x 200 ÷ 230 V			
Frequency	(Hz)	0-200Hz	0-400Hz	0-400Hz	0-400Hz
RFI Filter		Built in			
Size Width	(W1) mm	68	79	156	156
Height	(H1) mm	128	143	143	143
Depth	(D1) mm	115	143	143	143
Weight	(Kg)	0.95	0.97	1.94	2.00
Method of refrigeration		Radiator	Forced air	Forced air	Forced air



1. In general, all SODECA fans with a three-phase motor under normal operating conditions are suitable for working supplied with a static frequency converter (in accordance with IEC 60034-17). Nevertheless, some motors require special measures.
The maximum operating frequency or speed must never exceed that for which the fan has been designed. In applications with quadratic torques such as fans and pumps, when the speed varies the absorbed power is directly proportional to the cube of the rotating speed: $Pa_2 = Pa_1 (n_2 / n_1)^3$

2. The insulation of motors coupled to fans is sufficient to work without restrictions with a frequency converter up to voltages of < 500 V.
The use of sinusoidal filters at the converter output will help the motor to operate properly, reducing breakdowns and increasing the fan's service life.
It is recommended that, for motors of sizes > 225, they be ordered with special windings to work with a frequency converter.

3. The length of the wires running from the converter to the fan have a particular influence on voltage characteristics at the motor terminals. The definition of "long wires" will depend on the nominal value and the converter type. The manufacturer's technical documentation must be consulted.

4. EEx-d flame-resistant motors must be ordered for operation using a frequency converter. The motor manufacturer will request information about the application via a questionnaire in order to establish the working parameters. These motors must also be fitted with PTC probes.

5. EEx-e increased safety motors cannot be operated with a frequency converter (a joint motor-converter certification would be required for this).

Не може да ползвате честотен инвертор

KME - 10K

External control kit for On/Off and velocity control for RFM and RFT frequency converters

Features:
- On/Off by button
- Display by means of LED of the position of On or Off
- Memory of the latest position for speed regulation
- Possibility of installation on the surface or built-in

GMP

Electrical starter panel and protection of fans with three-phase motor, with On/Off buttons

Features:
- On/Off by button
- Incorporates fully-cabled contactor and adjustable thermal relay for protection of the motor
- The Off button is used to reset the thermal relay, in case it should go off due to overload
- For assembly on the surface, IP-55 protection

For fan with three-phase motor 230V

Model	Current of regulation (A)	Power motor 3x230V (kW)
GMP-0.2-0,33/230	1.2-1.8	0.25
GMP-02-0,75/230	1.8-2.8	0.37 / 0.55
GMP-02-1/230	2.8-4	0.75
GMP-02-1,5/230	4-6.3	1.10
GMP-02-2/230	5.6-8	1.50
GMP-04-3/230	7-10	2.20
GMP-04-4/230	8-12.5	3.00
GMP-04-5,5/230	11-17	4.00
GMP-04-7,5/230	15-23	5.50
GMP-04-10/230	22-32	7.50
GMP-06-12,5/230	25-40	9.20
GMP-06-15/230	25-40	11.00

For fan with three-phase motor 400V

Model	Current of regulation (A)	Power motor 3x400V (kW)
GMP-0,2-0,33/400	0.56-0.8	0.25
GMP-02-0,5/400	0.8-1.2	0.37
GMP-02-0,75/400	1.2-1.8	0.55
GMP-02-1,5/400	1.8-2.8	1.10
GMP-02-2/400	2.8-4	1.50
GMP-02-3/400	4-3	2.20
GMP-02-4/400	5.6-8	3.00
GMP-04-5,5/400	7-10	4.00
GMP-04-7,5/400	8-12.5	5.50
GMP-04-10/400	11-17	7.50
GMP-06-12,5/400	15-23	9.20
GMP-06-15/400	15-23	11.00
GMP-06-20/400	22-32	15.00
GMP-06-25/400	25-40	18.50

GMM

Electrical starter panel and protection from overload and short-circuits of fans with three-phase motor, with rotary controls

Features:
- On/Off by means of a rotary control with the possibility of blocking with three locks
- Incorporates adjustable thermal relay for protection from overload and short-circuit
- For assembly on the surface, IP-55 protection

For fan with three-phase motor 400V

Model	Current of regulation (A)	Power motor 3x400V (kW)
GMM-01-1/400	1.6-2.5	0.75
GMM-01-2/400	2.5-4	1.10 1.50
GMM-01-3/400	4-6.3	2.20
GMM-01-5,5/400	6.3-10	3.00 4.00
GMM-01-7,5/400	10-16	5.50
GMM-01-10/400	16-20	7.50
GMM-01-15/400	20-25	11.00
GMM-01-20/400	25-32	15.00

AET

Electrical starter panel, star / triangle and protection of fans with three-phase motor, with On/Off buttons

Features:
- On/Off by button
- Display of condition by means of luminous pilot lights
- Incorporates adjustable thermal relay for protection of the motor
- Fully cabled
- Metal plate for assembly on the surface, IP-65 protection

For fan with three-phase motor 230V/400V. Power supply 3x230V

Model	Current regulation of thermal relay (A)	Power motor 3x230/400V (kW)
AET-01-3/230	4-6.3	2.2
AET-01-4/230	5-8	3.0
AET-01-5,5/230	7-10	4.0
AET-01-7,5/230	12-18	5.5
AET-01-10/230	12-18	7.5
AET-01-15/230	18-26	11.0
AET-01-20/230	24-36	15.0
AET-01-25/230	28-40	18.5
AET-02-30/230	34-50	22.0
AET-02-40/230	45-65	30.0
AET-02-50/230	63-85	37.0

For fan with three-phase motor 400V/690V. Power supply 3x400V+N

Model	Current regulation of thermal relay (A)	Power motor 3x400/690V (kW)
AET-01-5,5/230	4-6.3	4.0
AET-01-7,5/230	5-8	5.5
AET-01-10/230	7-10	7.5
AET-01-15/230	12-18	11.0
AET-01-20/230	12-18	15.0
AET-02-30/230	18-26	18.5 22.0
AET-02-40/230	28-40	30.0
AET-02-50/230	34-50	37.0
AET-02-60/230	45-65	45.0
AET-02-75/230	45-65	55.0

AD

Electrical starter panel and protection of fans with three-phase motor, with two DAHLANDER speeds

Features:
- Switch for selecting speed (1-0-2), Low-Off-High.
- Display of condition by means of luminous pilot lights
- Incorporates adjustable thermal relay for protection of the motor
- Fully cabled
- Metal plate for assembly on the surface, IP-65 protection

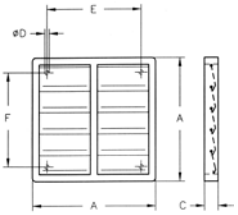
For fan with three-phase 400V Dahlander motor. Power supply 3x400V+N

Model	Current regulation of thermal relay	
	High speed (A)	Low speed (A)
AD-01-2,5-1/400	1.6-2.5	0.63-1
AD-01-4-1,6/400	2.5-4	1-1.6
AD-01-4-2,5/400	2.5-4	1.6-2.5
AD-01-6-2,5/400	4-6	1.6-2.5
AD-01-9-2,5/400	6-9	1.6-2.5
AD-01-9-4/400	6-9	2.5-4
AD-02-13-4/400	9-13	2.5-4
AD-02-18-6/400	12-18	4-6
AD-02-18-9/400	12-18	6-9
AD-02-26-9/400	18-26	6-9
AD-02-36-9/400	24-36	6-9
AD-02-36-13/400	24-36	9-13
AD-02-40-18/400	28-40	12-18

PL

Plastic backdraught louvres.

Features:
- The backdraught louvre is adapted directly to the wall where the fan is mounted.
- Opening through excess pressure due to airflow
- Closed when the fan is on standby
- Made from plastic
- Maximum recommended speed 12m/sec for models 80,90 and 100

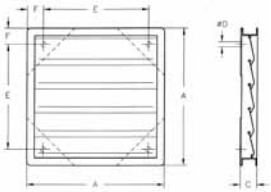


Model	Measurements				
	A	C	ØD	E	F
PL-20	240	28	5.2	193	167
PL-25	294	26	5	232	232
PL-31	347	26	5	276	276
PL-35	397	26	5	310	310
PL-40	459	26	5	364	364
PL-45	501	26	5	395	395
PL-50	549	31	5	445	445
PL-56	605	28	5	522	522
PL-63	696	31	5	626	626
PL-71	760	40	5	692	692
PL-80	840	40	5	772	772
PL-90	940	40	5	872	87
PL-100	1040	40	5	972	972

P

Aluminium backdraught louvres, spark-proof build

Features:
- The backdraught louvre is adapted directly to the wall where the fan is mounted.
- Opening through excess pressure due to airflow
- Closed when the fan is on standby
- Aluminium sheet construction
- Maximum recommended speed 18m/sec for models 90 and 100



Model	Measurements				
	A	C	ØD	E	F
P-25	290	51	6	187	51.5
P-35	400	81	6	266	67
P-45	500	51	6	347	76.5
P-56	600	51	6	447	76.5
P-63	715	72	6	535	90
P-71	780	72	6	605	87.5
P-80	875	72	6	675	100
P-90	970	72	6	755	107.5
P-100	1070	72	6	850	110

R

Protection guard for inlet of axial fans.

Model	HC	HCH/HFT/HDF
R-35/B	-	35
R-40	-	40
R-45	-	45
R-56	-	56-4T/M-0.75, 56-4T-1, 56-6T/M-0.33, 56-6T-0.5, 56-6T-0.75
R-56 - 1,5	-	56-4T-1.5, 56-4T-2
R-63 - 0,5	-	63-4T-1, 63-6T/M-0.5, 63-6T-0.75
R-63 - 1,5	-	63-4T-1.5, 63-4T-2, 63-6T-1
R-63 - 4	-	63-4T-3, 63-4T-4
R-71	-	71-4T-1.5, 71-4T-2, 71-6T/M-0.75, 71-6T-1, 71-6T-1.5
R-71/C	71	
		71-4T-3, 71-4T-4
R-80	-	80-6T-1, 80-6T-1.5, 80-8T-0.5, 80-8T-0.75

Model	HC	HCH/HFT/HDF
R-80/C	80	
R-80 - 5,5	-	80-4T-3, 80-4T-4, 80-4T-5.5, 80-6T-2, 80-6T-3, 80-8T-1
R-90	-	90-4T-4, 90-4T-5.5, 90-6T-2, 90-6T-3, 90-8T-1, 90-8T-1.5, 90-8T-2
R-90/C	90	
R-90 - 7,5	-	90-4T-7.5, 90-4T-10, 90-6T-4, 90-8T-3
R-100	-	100-6T-3, 100-8T-1.5, 100-8T-2
R-100/C	100	
R-100-7,5/C	100 4T/H	
R-100 - 10	-	100-4T-7.5, 100-4T-10, 100-6T-4, 100-6T-5.5, 100-8T-1.5, 100-8T-2
R-100 - 20	-	100-4T-15, 100-4T-20

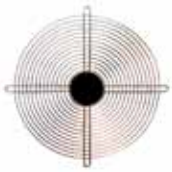
RI

Protection guard for outlet of axial fans.

Model	HCDF	HC	HCH/HDF
RI-25	25	25	-
RI-31	31	31	-
RI-35/C	35	35	-
RI-40	40	40	40

Model	HCDF	HC	HCH/HDF
RI-45	45	45	45
RI-50	50	50	-
RI-56	56	56	56
RI-63	-	63	63

Model	HCDF	HC	HCH/HDF
RI-71	-	71	71
RI-80	-	80	80
RI-90	-	90	90
RI-100	-	100	100



RT

Protection guard for inlet or outlet of long-cased axial fans.

Model	HTP/HBA	HCT/HFT	HPX
RT-25	-	25	-
RT-31/B	-	31	-
RT-35	-	35	35
RT-40	-	40	-

Model	HTP/HBA	HCT/HFT	HPX
RT-45	-	45	45
RT-50	50	50	50
RT-56	56	56	56
RT-63	63	63	63

Model	HTP/HBA	HCT/HFT	HPX
RT-71	71	71	71
RT-80	80	80	80
RT-90	90	90	90
RT-100	100	100	100

RPA

Protection guard for inlet of centrifugal fans.

Features:

- Protects against contact with the impeller and prevents objects from entering, in accordance with standard UNE-100250
- Made from sheet steel.

Model	Applies to models				
	CMA	CAS	CA	CMP	CMR
RPA-10	-	-	-	38	-
RPA-11	218	-	-	-	-
RPA-13	324	-	234	-	-
RPA-15	325/426	242	142	512	-
RPA-17	527	248	148	514	-
RPA-18	528	254	154	-	-
RPA-20	531	260	-	616	-
RPA-23	-	680	160/166/172	718	-
RPA-25	540/545	790	-	620/820	-
RPA-28	-	463/467	-	922	-
RPA-31	-	571/640/645/650/980/1080	-	1025	-
RPA-35	-	852/990/1090	-	1128	-
RPA-38	-	-	-	231	1031
RPA-42	-	856	-	1435	1135
RPA-44	-	1250/A	-	-	-
RPA-47	-	863/971	-	1640	1240
RPA-48	-	1456/A	-	-	-
RPA-52	-	-	-	1845	1445
RPA-55	-	-	-	-	-
RPA-60	-	-	-	2050	1650
RPA-65	-	1663/A	-	-	-
RPA-66	-	-	-	-	1856
RPA-73	-	1671/A-2071/A	-	2563	2063
RPA-81	-	2080/A	-	-	2271
RPA-88	-	-	-	-	2380
RPA-90	-	-	-	-	2590
RPA-100	-	-	-	-	28100

BTUB

Coupling flange for axial fans.

Model	HTP/HBA	HCT/HFT	HPX	HT
BTUB-250	-	25	-	25
BTUB-280	-	31	-	-
BTUB-315	31	-	-	31
BTUB-355	35	35	-	35
BTUB-400	40	40	-	40

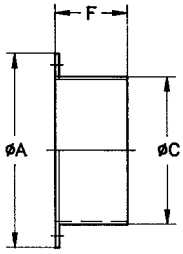
Model	HTP/HBA	HCT/HFT	HPX	HT
BTUB-450	45	45	45	45
BTUB-500	50	50	50	50
BTUB-560	56	56	56	56
BTUB-630	63	63	63	63
BTUB-710	71	71	71	71

Model	HTP/HBA	HCT/HFT	HPX	HT
BTUB-800	80	80	80	80
BTUB-900	90	90	90	90
BTUB-1000	100	100	100	100

B

Coupling flange for centrifugal fans.

Features:
- Adapted to inlet and outlet.
- Aids installation on duct



	A	C	F
B-52-E	100	52	67
B-63	110	63	60
B-80	150	80	60
B-80-E	150	80	60
B-100	150	100	60
B-100-E	170	100	60
B-112	160	112	60
B-125	180	125	60
B-140	190	140	60
B-150	210	150	60
B-160	220	160	60
B-160/1	220	160	60
B-180	240	180	60
B-200	260	200	60

	A	C	F
B-224	280	224	60
B-250/1	310	250	80
B-250/2	310	250	80
B-250/3	310	250	80
B-250/4	310	250	80
B-250/5	310	250	80
B-280/1	350	280	80
B-280/2	350	280	80
B-280/3	350	280	80
B-315/1	350	315	80
B-315/2	380	315	80
B-315/3	380	315	80
B-315/4	380	315	80
B-355/1	430	355	80

	A	C	F
B-355/2	430	355	80
B-355/3	430	355	80
B-355/4	430	355	80
B-400/1	480	400	80
B-400/2	480	400	80
B-400/3	480	400	80
B-400/4	480	400	80
B-450/1	530	450	80
B-450/2	530	450	80
B-450/3	530	450	80
B-500/1	590	500	80
B-500/2	590	500	80
B-500/3	590	500	80
B-500/4	590	500	80

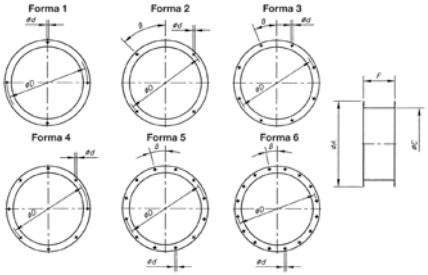
	A	C	F
B-500/5	590	500	80
B-560/1	650	560	80
B-560/2	650	560	80
B-560/3	650	560	80
B-630/1	720	630	80
B-630/2	720	630	80
B-630/3	720	630	80
B-630/4	720	630	80
B-710/1	800	710	80
B-710/2	800	710	80
B-710/3	800	710	80
B-800	890	800	100
B-900/1	1000	900	100
B-1000/1	1100	1000	100

Model	Applies to models (INLET)						Applies to models (OUTLET)	
	CMA	CAS	CA	CMP	CHT/CVT	CMR	CMA	CA
B-52-E	-	-	-	-	-	-	-	234
B-63	-	-	-	-	-	-	218/324	142
B-80	218/324	-	-	-	-	-	325	-
B-80-E	-	-	-	-	-	-	-	148/154/160/166
B-100	325	-	234	-	-	-	426/527	-
B-100-E	-	242	142	-	-	-	-	172
B-112	426	248	148	512	-	-	-	-
B-125	527/528	254	154	-	-	-	528	-
B-140	-	-	-	514	-	-	-	-
B-150	531	260	160	-	-	-	531/540	-
B-160	-	-	-	616	-	-	-	
B-160/1	-	680	-	-	-	-	-	-
B-180	540/545	790	166/172	718	-	-	545	
B-200	-	463	-	620/820	-	-	-	-
B-224	-	467	-	922	-	-	-	-
B-250/1	-	571/640/645/650	-	-	-	-	-	-
B-250/2	-	-	-	-	-	-	-	-
B-250/3	-	-	-	1025	200/225	-	-	-
B-250/5	-	980/1080	-	-	-	-	-	-
B-280/1	-	852	-	-	-	-	-	-
B-280/2	-	-	-	1128	-	-	-	-
B-280/3	-	9907/1090	-	-	-	-	-	-
B-315/3	-	-	-	-	-	1031	-	-
B-315/4	-	-	-	1231	-	-	-	-
B-355/1	-	-	-	-	-	1135	-	-
B-355/2	-	863	-	-	-	-	-	-
B-355/3	-	856	-	1435	250/315	-	-	-
B-355/4	-	1250/A	-	-	-	-	-	-
B-400/1	-	-	-	1640	-	-	-	-
B-400/2	-	-	-	-	-	1240	-	-
B-400/3	-	971	-	-	-	-	-	-
B-400/4	-	1456/A	-	-	-	-	-	-
B-450/1	-	-	-	1845	-	-	-	-
B-450/2	-	-	-	-	-	1445	-	-
B-500/1	-	-	-	2050	-	-	-	-
B-500/2	-	-	-	-	-	1650	-	-
B-500/4	-	-	-	-	400/450	-	-	-
B-560/1	-	-	-	-	-	-	-	-
B-560/2	-	-	-	-	-	1856	-	-
B-560/3	-	1663/A	-	-	-	-	-	-
B-630/1	-	-	-	2563	-	-	-	-
B-630/2	-	-	-	-	-	2063	-	-
B-630/3	-	-	-	-	500	-	-	-
B-630/4	-	1671/A-2071/A	-	-	-	-	-	-
B-710/1	-	-	-	-	-	2271	-	-
B-710/2	-	-	-	-	560/360	-	-	-
B-710/3	-	2080/A	-	-	-	-	-	-
B-800	-	-	-	-	-	2380	-	-
B-900/1	-	-	-	-	-	2590	-	-
B-1000/1	-	-	-	-	-	28100	-	-

BD

Dual coupling flange for centrifugal fans

Features:
- Adapted to the inlet
- Aids installation on duct with flange



	ØA	ØC	ØD	Ød	F	β	Form
BD-200	260	200	225	7	80	15°	2
BD-224	280	224	254	7	80	-	1
BD-250/1	310	250	280	10	80	45°	2
BD-280	350	280	320	10	100	-	4
BD-315/3	390	315	355	10	100	22°30'	3
BD-355/3	430	355	395	10	100	22°30'	3
BD-400/1	480	400	450	12	100	22°30'	3
BD-400/2	480	400	450	12	100	22°30'	3
BD-450/1	530	450	500	12	100	22°30'	3
BD-450/2	530	450	500	12	100	22°30'	3
BD-500/2	590	500	560	12	100	15°	5
BD-560	650	560	620	12	120	15°	5
BD-630/2	720	630	690	12	120	15°	5
BD-710	800	710	770	12	120	11°15'	6

Model	Applies to models	
	CMP	CMR
BD-112	512	-
BD-140	514	-
BD-160	616	-
BD-180	718	-
BD-200	620/820	-
BD-224	922	-
BD-250/1	1025	-
BD-250/2	-	-
BD-280	1128	-
BD-315/1	-	-

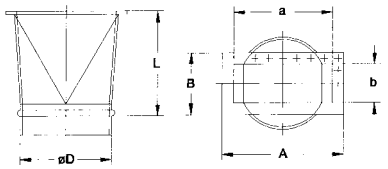
Model	Applies to models	
	CMP	CMR
BD-315/2	-	1031
BD-315/3	1231	-
BD-355/1	-	1135
BD-355/2	-	-
BD-355/3	1435	-
BD-400/1	1640	-
BD-400/2	-	1240
BD-450/1	1845	-
BD-450/2	-	1445
BD-500/1	2050	-

Model	Applies to models	
	CMP	CMR
BD-500/2	-	1650
BD-560	-	1856
BD-630/1	2563	-
BD-630/2	-	2063
BD-710	-	2271
BD-800	-	2380
BD-900/1	-	2590
BD-1000/1	-	28100

BIC

Flange conversion from rectangular to circular for centrifugal fans.

Features:
- Adapted to the outlet
- Aids installation on circular duct

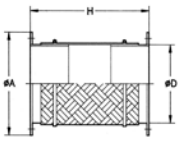


Model	L	D	a	b	A	B	Applies to models
BIC-242	200	100	95	60	155	120	CAS-242
BIC-248	200	112	105	66	165	126	CAS-248
BIC-254	200	125	115	75	175	135	CAS-254
BIC-260	200	150	125	85	185	145	CAS-260
BIC-463	200	200	125	85	185	145	CAS-463
BIC-467	250	224	130	90	190	150	CAS-467
BIC-571	250	250	145	95	205	155	CAS-571
BIC-640	250	250	200	125	260	185	CAS-640
BIC-645	250	250	224	140	284	200	CAS-645
BIC-650	250	250	250	160	310	220	CAS-650
BIC-680	250	180	100	71	160	131	CAS-680
BIC-790	250	180	112	80	172	140	CAS-790
BIC-852	250	280	280	180	340	240	CAS-852
BIC-856	280	355	280	180	340	240	CAS-856
BIC-863	280	355	315	200	375	260	CAS-863
BIC-971	280	400	355	224	425	294	CAS-971
BIC-980	300	250	200	140	270	210	CAS-980
BIC-990	300	280	224	160	294	230	CAS-990
BIC-1080	300	250	200	140	270	210	CAS-1080
BIC-1090	300	280	224	160	294	230	CAS-1090
BIC-1250	450	400	400	280	480	360	CAS-1250/A
BIC-1456	450	450	450	315	530	395	CAS-1456/A
BIC-1663	450	500	500	355	580	435	CAS-1663/A
BIC-1671	450	630	560	400	660	500	CAS-1671/A-2071/A
BIC-2080	450	710	630	450	730	550	CAS-2080/A
BIC-512	300	112	86	75	118	104	CMP-512

Model	L	D	a	b	A	B	Applies to models
BIC-514	300	140	107	83	147	122	CMP-514
BIC-616	300	160	125	103	172	153	CMP-616
BIC-620	300	200	100	105	153	159	CMP-620
BIC-718	300	180	146	115	192	169	CMP-718
BIC-820	300	200	156	160	213	184	CMP-820
BIC-922	300	224	216	140	282	204	CMP-922
BIC-1025	300	250	250	165	314	229	CMP-1025
BIC-1128	300	280	300	180	364	244	CMP-1128
BIC-1231	300	315	320	200	384	266	CMP-1231
BIC-1435	300	355	280	228	344	294	CMP-1435
BIC-1640	300	400	320	250	404	336	CMP-1640
BIC-1845	450	450	360	284	444	370	CMP-1845
BIC-2050	450	500	450	315	545	412	CMP-2050
BIC-2563	450	630	600	410	706	512	CMP-2563
BIC-1031	300	315	315	250	385	320	CMR-1031
BIC-1135	450	355	355	280	425	350	CMR-1135
BIC-1240	450	400	400	315	480	395	CMR-1240
BIC-1445	450	450	450	355	540	445	CMR-1445
BIC-1650	450	500	500	400	590	490	CMR-1650
BIC-1856	450	560	560	450	660	550	CMR-1856
BIC-2063	450	630	630	500	750	620	CMR-2063
BIC-2271	450	710	710	560	840	690	CMR-2271
BIC-2380	600	800	800	560	920	680	CMR-2380
BIC-2590	600	900	900	630	1020	750	CMR-2590
BIC-28100	600	1000	1000	710	1120	830	CMR-28100

BAC

Double, elastic coupling flange for axial fans



Features:
- Adapted to inlet and outlet
- Aids installation on duct with flange
- Prevents transmission of vibrations

Model	HCT/HFT	CHT	HT	HPX
BAC-250	25	200/225	25	-
BAC-315/B	31	-	-	-
BAC-315	-	-	31	-
BAC-355	35	250/315	35	35
BAC-400	40	-	40	-
BAC-450	45	-	45	45
BAC-500	50	400/450	50	50

Model	HCT/HFT	CHT	HT	HPX
BAC-560	56	-	56	56
BAC-630	63	500	63	63
BAC-710	71	560/630	71	71
BAC-800	80	-	80	80
BAC-900	90	-	90	90
BAC-1000	100	-	100	100
BAC-1250	-	-	-	-

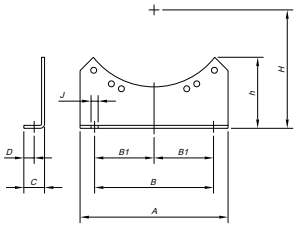
	ØD*	ØA*	H
BAC-250	250	310	340
BAC-355	355	430	340
BAC-400	400	480	340
BAC-450	450	530	340
BAC-500	500	590	340
BAC-560	560	650	340
BAC-630	630	720	340
BAC-710	710	800	340
BAC-800	800	890	340
BAC-900	900	1000	340
BAC-1000	1000	1100	340
BAC-1250	1250	1365	340

*Nominal diameter for pipe.

PS

Support stands for long-cased fans.

Features:
- When fixed to the flange, it allows the fan to be fixed to flat surfaces.



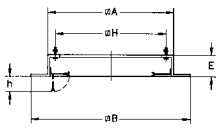
	A	B	B1	C	D	h	H	ØJ
PS-35/40	240	200	-	40	17	75	270.5	12
PS-45/50	450	400	200	40	17	175	328	12
PS-45/50	450	400	200	40	17	175	355	12
PS-56/63	520	430	215	45	20	242	425	14
PS-56/63	520	430	215	45	20	242	472.5	14
PS-71	620	530	265	50	20	228	530	16
PS-80	730	640	320	60	25	255	590	16
PS-90	780	690	345	70	30	273	650	18
PS-100	860	770	385	75	35	310	730	18
PS-125	1020	920	460	55	25	411	830	13

Model	HCT/HBA	HPX/HTP
PS-25/31	25/31	-
PS-35/40	35/40	35
PS-45/50	45/50	45/50
PS-56/63	56/63	56/63
PS-71	71	71
PS-80	80	80
PS-90	90	90
PS-100	100	100

MS

Support frame to facilitate mounting on-site

Features:
- Used to facilitate on-site mounting of fans in ducts.



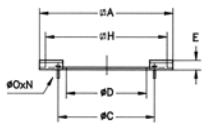
	ØA	ØB	E	ØH	h
MS-348	348	520	60	295	70
MS-393	393	565	60	320	70
MS-443	443	615	60	360	70
MS-493	493	665	60	410	70
MS-553	553	725	60	450	70

	ØA	ØB	E	ØH	h
MS-623	623	795	60	530	70
MS-701	701	875	60	590	90
MS-791	791	965	60	680	90
MS-891	891	1065	60	750	90
MS-991	991	1165	60	850	90
MS-1086	1086	1260	60	850	90
MS-1140	1140	1314	60	1000	90
MS-1240	1240	1414	60	1100	90

Model	CHT	HT
MS-348	-	-
MS-393	-	-
MS-443	200/225	25
MS-493	-	31
MS-553	250/315	35
MS-623	-	40
MS-701	400/450	45
MS-791	-	50
MS-891	500	56
MS-991	-	63/71
MS-1086	560/630	-
MS-1140	-	80/90
MS-1240	-	100

PA

Adaptation plate to mount accessories on roof fans



Features:
- Used to mount PT, B, BTUB, BAC accessories. Allows fan to be separated from its base without dismantling accessories.

	ØA	ØJ	ØD	E	ØH	ØO	N
PA-345	345	200	165	20	245	M.8	4x90°
PA-390	390	210	190	20	320	M.8	4x90°
PA-440/250	440	280	249	20	360	M.6	4x90°
PA-490	490	355	314	20	410	M.8	8x45°
PA-550	550	395	354	20	450	M.6	8x45°
PA-620	620	450	399	20	530	M.10	8x45
PA-700/500	700	560	499	20	590	M.10	12x30°
PA-700/450	700	500	449	20	590	M.10	8x45°
PA-790	790	560	499	20	680	M.10	12x30°

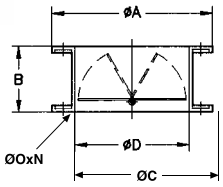
	ØA	ØJ	ØD	E	ØH	ØO	N
PA-890/630	890	690	629	20	750	M.10	12x30°
PA-890/560	890	620	559	20	750	M.10	12x30°
PA-990/630	990	690	629	20	850	M.10	12x30°
PA-990/710	990	770	709	20	850	M.10	16x22°30'
PA-1085	1085	770	709	20	850	M.10	16x22°30'
PA-1138/800	1138	860	799	25	1000	M.10	16x22°30'
PA-1138/900	1138	970	899	25	1000	M.12	16x22°30'
PA-1238	1238	1070	999	25	1100	M.12	16x22°30'

Model	CHT	HT
PA-440/250	200/225	25
PA-490	-	31
PA-550	250/315	35
PA-620	-	40
PA-700/500	400/450	-
PA-700/450	-	45
PA-790	-	50
PA-890/630	500	-
PA-890/560	-	56
PA-990/630	-	63
PA-990/710	-	71
PA-1085	560/630	-
PA-1138/800	-	80
PA-1138/900	-	90
PA-1238	-	100

PT

Automatic-closing shutters to work in vertical position

Features:
- Automatic-closing circular shutters to be installed on inlet of roof fans.
- Use of PA adaptor plate recommended for assembly.



	ØA	B	ØC	ØD*	ØOxN
PT-250	310	150	280	250	10 4X90*
PT-355	435	200	395	355	10 8X45*
PT-500	600	280	560	500	12 12X30*
PT-630	730	355	690	630	12 12X30*
PT-710	810	400	770	710	12 16 22'X30*

Model	CHT
PT-160	-
PT-180	-
PT-250	200/225
PT-355	250/3151
PT-500	400/450
PT-630	500
PT-710	560/630

OP

Backdraught shutters for roof fans

OP-25	HT-25	OP-40	HT-40	OP-56	HT-56	OP-80	HT-80
OP-31	HT-31	OP-45	HT-45	OP-63	HT-63	OP-90	HT-90
OP-35	HT-35	OP-50	HT-50	OP-71	HT-71	OP-100	HT-100

ACE/ATEX

Elastic coupling to absorb vibrations

Features:
- Used between the fan inlet/outlet and the duct to avoid transmitting vibrations

	Applies to models (INLET)				Applies to models (OUTLET)				
	CMA	CAS	CA	CMP	CMA	CAS	CA	CMP	CMR
ACE-52	-	-	-	-	-	-	234	-	-
ACE-63	-	-	-	-	218/324	-	142	-	-
ACE-80	218/324	-	-	-	325	-	148/154/160/166	-	-
ACE-100	325	242	234/142	-	426/527	242	172	-	-
ACE-112	426	248	148	512	-	248	-	512	-
ACE-125	527/528	254	154	-	528	254	-	-	-
ACE-140	-	-	-	514	-	-	-	514	-
ACE-150	531	260	160	-	531/540	260	-	-	-
ACE-160	-	680	-	616	-	-	-	616	-
ACE-180	540/545	790	166/172	718	545	680/790	-	718	-
ACE-200	-	463	-	620/820	-	463	-	620/820	-
ACE-224	-	467	-	922	-	467	-	922	-
ACE-250	-		-	1025	-	570/640/645 650/980/1080	-	1025	-
ACE-280	-	571/640/645 650/980/1080	-	1128	-	852/990/1090	-	1128	-
ACE-315	-	852/990/1090	-	1231	-	-	-	1231	1031
ACE-355	-		-	1435	-	856/863	-	1435	1135
ACE-400	-	856/863/1250/A	-	1640	-	971/1250/A	-	1640	1240
ACE-450	-	971/1456/A	-	1845	-	1456/A	-	1845	1445
ACE-500	-	-	-	2050	-	1663/A	-	2050	1650
ACE-560	-	1663/A	-	-	-	-	-	-	1856
ACE-630	-	1671/A-2071/A	-	2563	-	1671/A-2071/A	-	2563	2063
ACE-710	-	2080/A	-	-	-	2080/A	-	-	2271
ACE-800	-	-	-	-	-	-	-	-	2380
ACE-900	-	-	-	-	-	-	-	-	2590
ACE-1000	-	-	-	-	-	-	-	-	28100

REG

Record of manual regulation

Features:
- Their design allows them to be installed in ducting systems to adjust the airflow.

Model	L	ØD*
REG-80	100	80
REG-100	100	100
REG-112	100	112
REG-125	100	125
REG-140	100	140
REG-150	100	150
REG-160	100	160
REG-180	100	180
REG-200	100	200
REG-224	100	224

Model	L	ØD*
REG-250	100	250
REG-280	100	280
REG-315	100	315
REG-355	100	355
REG-400	100	400
REG-450	150	450
REG-500	150	500
REG-560	150	560
REG-630	250	630
REG-800	250	800

CJACUS

Soundproofed boxes for centrifugal fans

Features:
- Ventilation box in galvanised sheet steel with acoustic insulation
- Mounting feet and Silent-Blocks included
- CJACUS/C: With inlet and outlet connection outside through ducts Motor cooling grille vent included
- CJACUS/L: With free inlet through vent built into the box and outlet connection to the outside

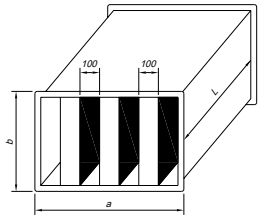
Model	Applies to models CAS	CA
CJACUS-0	640	154
CJACUS-1	254/645	160
CJACUS-2	260/463/650	166
CJACUS-3	467/852/856	172
CJACUS-4	571/863	-
CJACUS-5	971	-

S

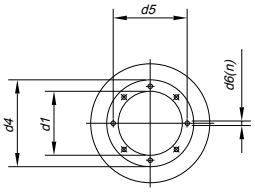
Silencers to fit to inlet or outlet.

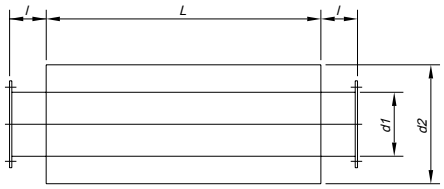
Features:
- Circular or rectangular silencers to fit to inlet or outlet on centrifugal or axial fans.

INLET / OUTLET (Rectangular cross section)



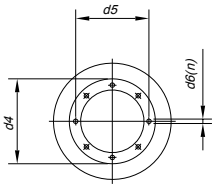
	L	a	b	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
SR-1000/900/900	900	1000	900	64	4	10	21	37	44	37	HCH/HCT
SR-1200/900/900	900	1200	900	74	4	10	21	37	44	37	HCH/HCT
SR-1400/1200/900	900	1400	1200	102	4	12	25	41	47	42	HCH/HCT
SR-1800/1200/1200	1200	1800	1200	169	4	12	25	41	47	42	HCH/HCT
SR-1800/15001200	1200	1800	1504	195	4	12	25	41	47	42	HCH/HCT

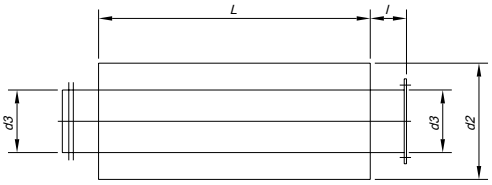




INLET / OUTLET (Circular cross section)

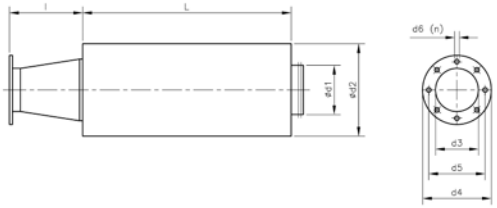
	L	d1	d2	l	d3	d4	d5	d6	n	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
SC-630/900	900	630	800	100	630	720	690	12	12x30°	44	5	8	14	12	13	9	HCH/HCT
SC-710/900	900	710	900	100	710	800	770	12	16x22°30'	65	5	8	13	11	12	8	HCH/HCT
SC-800/900	900	800	1000	100	800	900	860	12	16x22°30'	70	4	8	11	9	9	8	HCH/HCT
SC-900/1200	1200	900	1120	100	900	1000	970	15	16x22°30'	87	5	7	11	11	7	5	HCH/HCT
SC-1000/1200	1200	1000	1200	100	1000	1100	1070	15	16x22°30'	95	4	7	11	10	7	6	HCH/HCT





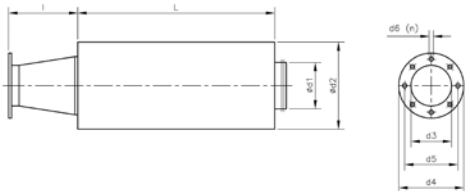
INLET

	L	d2	d3	d4	d5	d6	n	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
S-250/600-A	600	450	250	310	280	10	4x90°	14	5	12	20	24	23	14	CVT-CHT-200/225 / HT-25
S-315/900-A	900	500	315	390	355	10	8x45°	22	4	12	21	26	19	15	HT-31
S-355/900-A	900	560	355	430	395	10	8x45°	25	4	12	20	24	18	14	CVT-CHT-250/315 / HT-35
S-400/900-A	900	600	400	480	450	12	8x45°	29	5	12	19	22	18	13	HT-40
S-450/900-A	900	630	450	530	500	12	8x45°	32	5	12	18	20	16	12	HT-45
S-500/900-A	900	710	500	590	560	12	12x30°	35	4	11	18	16	14	11	CVT-CHT-400/450 / HT-50
S-560/900-A	900	750	560	650	620	12	12x30°	41	4	10	16	14	13	10	HT-56
S-630/900-A	900	800	630	720	690	12	12x30°	44	5	8	14	12	13	9	CVT-CHT-500 / HT-63
S-710/900-A	900	900	710	800	770	12	16x22°30'	65	5	8	13	11	12	8	CVT-CHT-560/630 / HT-71
S-800/900-A	900	1000	800	900	860	12	16x22°30'	70	4	8	11	9	9	8	HT-80
S-900/1200-A	1200	1120	900	1000	970	12	16x22°30'	85	5	7	11	11	7	6	HT-90
S-1000/1200-A	1200	1200	1000	1100	1070	12	16x22°30'	95	4	7	11	10	7	6	HT-100



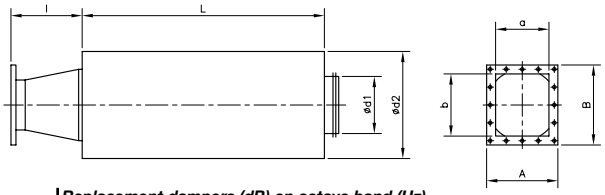
INLET

	L	d1	d2	l	d3	d4	d5	d6	n	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
S-80/600/218-A	600	80	280	103	80	113	95	6	4x90°	6	17	26	29	53	53	45	CMA-218
S-100/600/324-A	600	100	300	108	80	130	112	6	4x90°	8	13	23	34	46	52	40	CMA-324
S-125/600/325-A	600	125	315	114	94	140	122	7	4x90°	8	11	20	30	40	45	30	CMA-325
S-150/600/426-A	600	150	355	132	117	155	132	7	4x90°	9	10	19	29	37	42	25	CMA-426
S-150/600/527-A	600	150	355	114	125	170	147	7	4x90°	9	10	19	29	37	42	25	CMA-527
S-160/600/528-A	600	160	355	107	135	190	162	7	4x90°	9	9	16	28	33	37	21	CMA-528
S-200/600/531-A	600	200	400	135	160	215	180	7	4x90°	12	6	12	22	28	28	18	CMA-531
S-250/600/540-A	600	250	450	204	170	240	205	11	4x90°	14	5	12	20	24	23	14	CMA-540
S-315/900/545-A	900	315	500	266	180	255	220	11	4x90°	22	4	12	21	26	19	15	CMA-545
S-100/600/242-A	600	100	300	115	100	150	130	10	8x45°	8	13	23	34	46	52	40	CAS-242
S-150/900/248-A	900	150	355	200	112	160	140	10	8x45°	11	10	27	37	51	53	37	CAS-248
S-160/900/254-A	900	160	355	200	125	180	155	10	8x45°	12	11	24	35	49	51	27	CAS-254
S-200/900/260-A	900	200	400	200	150	210	175	10	8x45°	17	8	18	28	40	37	23	CAS-260
S-200/900/463-A	900	200	400	200	200	260	240	10	8x45°	17	8	18	28	40	37	23	CAS-463
S-250/900/467-A	900	250	450	200	224	280	258	10	8x45°	22	6	17	30	34	28	17	CAS-467
S-250/900/571-A	900	250	450	200	250	310	275	10	8x45°	22	6	17	30	34	28	17	CAS-571
S-250/600/640-A	600	250	450	200	250	310	275	10	8x45°	14	5	12	20	24	23	14	CAS-640
S-315/900/645-A	900	315	500	200	250	310	275	10	8x45°	22	4	12	21	26	19	15	CAS-645
S-355/900/650-A	900	355	560	200	250	310	275	10	8x45°	25	4	12	20	24	18	14	CAS-650
S-180/900/680-A	900	180	380	100	165	235	200	11	8x45°	14	9	21	31	44	44	25	CAS-680
S-180/900/790-A	900	180	380	100	185	235	219	11	8x45°	14	9	21	31	44	44	25	CAS-790
S-355/900/852-A	900	355	560	200	280	350	310	10	8x45°	25	4	12	20	24	18	14	CAS-852
S-400/1200/856-A	1200	400	600	200	355	430	395	10	8x45°	38	7	16	22	29	22	15	CAS-856
S-400/1200/863-A	1200	400	600	200	355	430	410	10	8x45°	38	7	16	22	29	22	15	CAS-863
S-450/1200/971-A	1200	450	630	200	400	480	450	12	8x45°	42	6	15	21	25	20	14	CAS-971
S-250-1200/980-A	1200	250	450	100	255	325	292	11	8x45°	28	9	22	35	39	33	20	CAS-980
S-280/1200/990-A	1200	280	450	100	286	366	332	11	8x45°	32	8	18	31	38	28	19	CAS-990
S-250/1200/1080-A	1200	250	450	100	255	325	292	11	8x45°	28	9	22	35	39	33	20	CAS-1080
S-280/1200/1090-A	1200	280	450	100	286	366	332	11	8x45°	32	8	18	31	38	28	19	CAS-1090
S-500/900/1250-A	900	500	710	300	361	441	405	11.5	8x45°	56	6	13	18	15	15	12	CAS-1250/A
S-560/900/1456-A	900	560	750	450	406	486	448	11.5	12x30°	65	5	8	13	11	12	8	CAS-1456/A
S-630/1200/1663-A	1200	630	800	450	568	668	629	11.5	16x22°30'	70	4	8	11	9	9	8	CAS-1663/A
S-80/600/234-A	600	80	280	108	98	130	115	5	6x60°	6	17	26	29	53	53	45	CA-234
S-100/600/142-A	600	100	300	108	90	160	130	9	4x90°	8	13	23	34	46	52	40	CA-142
S-150/900/148-A	900	150	355	149	100	170	140	9	4x90°	11	10	27	37	51	53	37	CA-148
S-160/900/154-A	900	160	355	146	115	183	155	11	4x90°	12	11	24	35	49	51	27	CA-154
S-200/900/160-A	900	200	400	183	130	230	192	11	4x90°	17	8	18	28	40	37	23	CA-160
S-200/900/166-A	900	200	400	162	140	230	200	11	4x90°	17	8	18	28	40	37	23	CA-166
S-200/900/172-A	900	200	400	149	148	230	200	11	4x90°	17	8	18	28	40	37	23	CA-172
S-315/600/922-A	600	315	500	238	220	278	256	9	8x45°	16	4	8	14	17	14	12	CMP-922
S-355/900/1025-A	900	355	560	224	245	305	282	9	8x45°	25	4	12	20	24	23	14	CMP-1025
S-400/900/1128-A	900	400	600	250	270	348	320	9	8x45°	29	5	12	19	22	18	13	CMP-1128
S-450/900/1231-A	900	450	630	291	295	382	354	9	8x45°	32	5	12	18	20	16	12	CMP-1231
S-500/900/1435-A	900	500	710	284	345	422	394	9	8x45°	35	4	11	18	16	14	11	CMP-1435
S-500/900/1640-A	900	500	710	227	395	464	438	9	8x45°	35	4	11	18	16	14	11	CMP-1640
S-560/900/1845-A	900	560	750	241	445	515	485	9	8x45°	41	4	10	16	14	13	10	CMP-1845
S-630/1200/2050-A	1200	630	800	269	495	565	535	11	8x45°	56	6	13	18	15	15	12	CMP-2050
S-800/1200/2563-A	1200	800	1000	370	595	710	675	14	8x45°	80	5	9	13	11	11	9	CMP-2563
S-400/900/1031-A	900	400	600	202	320	383	356	9	8x45°	29	5	12	19	22	18	13	CMR-1031
S-450/900/1135-A	900	450	630	216	345	425	398	9	8x45°	32	5	12	18	20	16	12	CMR-1135
S-500/900/1240-A	900	500	710	227	395	472	444	11	8x45°	35	4	11	18	16	14	11	CMR-1240
S-560/900/1445-A	900	560	750	241	445	522	494	11	8x45°	41	4	10	16	14	13	10	CMR-1445
S-630/1200/1650-A	1200	630	800	269	495	582	555	11	8x45°	56	6	13	18	15	15	12	CMR-1650
S-710/900/1856-A	900	710	900	301	555	645	615	11	8x45°	65	5	8	13	11	12	8	CMR-1856
S-800/900/2063-A	900	800	1000	329	625	720	688	11	8x45°	70	4	8	11	9	9	8	CMR-2063
S-800/1200/2271-A	1200	800	1000	224	705	800	768	13	8x45°	80	5	9	13	11	11	9	CMR-2271



OUTLET (circular flange)

	L	d1	d2	l	d3	d4	d5	d6	n	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
S-80/600/234-I	600	80	280	103	40	100	72	9	2x180°	6	17	26	29	53	53	45	CA-234
S-100/600/142-I	600	100	300	131	60	120	90	11	4x90°	8	13	23	34	46	52	40	CA-142
S-150/900/148-I	900	150	355	176	73	150	110	11	4x90°	11	10	27	37	51	53	37	CA-148
S-160/900/154-I	900	160	355	190	80	160	120	13	4x90°	12	11	24	35	49	51	27	CA-154
S-200/900/160-I	900	200	400	245	85	160	120	13	4x90°	17	8	18	28	40	37	23	CA-160
S-200/900/166-I	900	200	400	245	85	160	120	13	4x90°	17	8	18	28	40	37	23	CA-166
S-200/900/172-I	900	200	400	245	90	175	140	13	4x90°	17	8	18	28	40	37	23	CA-172



OUTLET (Rectangular flange)

	L	d1	d2	l	a	b	A	B	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
S-100/600/242-I		100	300	200	95	60	155	120	8	13	23	34	46	52	40	CAS-242
S-150/900/248-I	600	150	355	200	105	66	165	126	11	10	27	37	51	53	37	CAS-248
S-160/900/254-I	900	160	355	200	115	75	175	135	12	11	24	35	49	51	27	CAS-254
S-200/900/260-I	900	200	400	200	125	85	185	145	17	8	18	28	40	37	23	CAS-260
S-200/900/463-I	900	200	400	200	125	85	185	145	17	8	18	28	40	37	23	CAS-463
S-250/900/467-I	900	250	450	250	130	90	190	150	22	6	17	30	34	28	17	CAS-467
S-250/900/571-I	900	250	450	250	145	95	205	155	22	6	17	30	34	28	17	CAS-571
S-250/600/640-I	900	250	450	250	200	125	260	185	14	5	12	20	24	23	14	CAS-640
S-315/900/645-I	600	315	500	250	224	140	284	200	22	4	12	21	26	19	15	CAS-645
S-355/900/650-I	900	355	560	250	250	160	310	220	25	4	12	20	24	18	14	CAS-650
S-180/900/680-I	900	180	380	100	71	100	131	160	15	9	21	31	44	44	25	CAS-680
S-180/900/790-I	600	180	380	100	80	112	140	172	15	9	21	31	44	44	25	CAS-790
S-355/900/852-I	600	355	560	250	280	180	340	240	25	4	12	20	24	18	14	CAS-852
S-400/1200/856-I	900	400	600	280	280	180	340	240	38	7	16	22	29	22	15	CAS-856
S-400/1200/863-I	1200	400	600	280	315	200	375	260	38	7	16	22	29	22	15	CAS-863
S-450/1200/971-I	1200	450	630	280	355	224	425	294	42	6	15	21	25	20	14	CAS-971
S-250/1200/980-I	1200	250	450	100	140	200	210	270	29	9	22	35	39	33	20	CAS-980
S-280/1200/990-I	1200	280	450	100	160	224	230	294	33	8	18	31	38	28	19	CAS-990
S-250/1200/1080-I	1200	250	450	100	140	200	210	270	29	9	22	35	39	33	20	CAS-1080
S-280/1200/1090-I	1200	280	450	100	160	224	230	294	33	8	18	31	38	28	19	CAS-1090
S-500/900/1250-I	1200	500	600	300	280	400	360	480	9	6	13	18	15	15	12	CAS-1250/A
S-560/900/1456-I	900	560	630	450	315	450	395	530	9	5	8	13	11	12	8	CAS-1456/A
S-630/1200/1663-I	900	630	750	450	355	500	435	580	12	4	8	13	11	11	9	CAS-1663/A
S-315/600/922-I	600	315	500	300	216	140	282	204	16	4	8	14	17	14	12	CMP-922
S-355/900/1025-I	900	355	560	300	250	165	314	229	25	4	12	20	24	23	14	CMP-1025
S-400/900/1128-I	900	400	600	300	300	180	364	244	29	5	12	19	22	18	13	CMP-1128
S-450/900/1231-I	900	450	630	300	320	200	384	266	32	5	12	18	20	16	12	CMP-1231
S-500/900/1435-I	900	500	710	300	280	228	344	294	35	4	11	18	16	14	11	CMP-1435
S-500/900/1640-I	900	500	710	300	320	250	404	336	35	4	11	18	16	14	11	CMP-1640
S-560/900/1845-I	900	560	750	450	360	284	444	370	41	4	10	16	14	13	10	CMP-1845
S-630/1200/2050-I	1200	630	800	450	450	315	545	412	56	6	13	18	15	15	12	CMP-2050
S-800/1200/2563-I	1200	800	1000	450	600	410	706	512	80	5	9	13	11	11	9	CMP-2563
S-400/900/1031-I	900	400	600	300	315	250	385	320	29	5	12	19	22	18	13	CMR-1031
S-450/900/1135-I	900	450	630	450	355	280	425	350	32	5	12	18	20	16	12	CMR-1135
S-500/900/1240-I	900	500	710	450	400	315	480	395	35	4	11	18	16	14	11	CMR-1240
S-560/900/1445-I	900	560	750	450	450	355	540	445	41	4	10	16	14	13	10	CMR-1445
S-630/1200/1650-I	1200	630	800	450	500	400	590	490	56	6	13	18	15	15	12	CMR-1650
S-710/900/1856-I	900	710	900	450	560	450	660	550	65	5	8	13	11	12	8	CMR-1856
S-800/900/2063-I	900	800	1000	450	630	500	750	620	70	4	8	11	9	9	8	CMR-2063
S-800/1200/2271-I	1200	800	1000	450	710	560	840	690	80	5	9	13	11	11	9	CMR-2271
S-800/1201/2380-I	1200	800	1000	450	560	800	680	920	90	5	9	13	11	11	9	CMR-2380

Intelligent sensors for controlling the fans

Sensors which make it possible to sense certain environmental conditions and automatically start up the fans. This makes it possible to use the ventilation only when necessary. Using the sensors with the frequency inverters we can control the regime of operation of the fans, thus preventing the fan always working at its maximum consumption. These systems involve a significant energy saving.

SI-PIR-TF-Cenital

SI-PIR-TF-Mural

SI-PIR

Motion detector

Automatically activates the ventilation system when it detects the presence of people within its radius of action and keeps functioning for a pre-set time, which can be adjusted by means of an internal clock

Model	Power supply	Output	Detection angle	Adjustments	Height installation	Working temperature
SI-PIR	230V	230V	360ºC	Timing 5s-30 min	2.4-4.2 m	-20ºC +50ºC
SI-PIR-TFT-550-B	24V ac/24V dc	24V ac/24V dc	110ºC	Timing 5s-30 min	1.8-3.6 m	-20ºC +50ºC
SI-PIR-TF-25-360	24V ac/24V dc	24V ac/24V dc	360ºC	Timing 10s-30 min	2.4-4.2 m	-20ºC +50ºC

SI-SMOKE

Tobacco smoke detector

Automatically activates the ventilation system when tobacco smoke and other contaminants exceed the pre-set value in the sensor and keeps functioning for a pre-set time, which can be adjusted by means of an internal clock

Model	Power supply	Output	Maximum current (A)	Adjustments	Height installation	Working temperature
SI-SMOKE	220-240V ac	220-240V ac	3.0	Timing 3min-20 min	1.5-2.0 m	-20ºC +50ºC

SI-CO2

Air quality detector

Automatically activates the ventilation system when the increase in contamination, as a function of the occupation of the premises, exceeds the pre-set value

Model	Power supply	Output	Consumption (W)	Adjustments	Height installation	Working temperature
SI-CO2-GAQ24	24V ac	0-10V ac	5	Timing 10s-30 min	1.5-2.5 m	-20ºC +50ºC

SI-TEMP

Temperature sensor

Automatically activates the ventilation system when it detects a temperature greater than the pre-set value. Once the environmental temperature has descended below the pre-set point, the fan remains functioning for a pre-set period, which can be adjusted by means of the internal clock. The range of temperature oscillates between +10ºC and 40ºC

Model	Power supply	Output	Maximum current (A)	Adjustments	Height installation	Working temperature
SI-TEMP	220-240V ac	220-240V ac	3.0	Timing 3min-20 min	1.5-2.0 m	+10ºC +40ºC

SI-TEMP+HUMEDAD

Temperature and relative humidity sensor with display
Independently controls the temperature and the relative humidity of the air on the premises. Automatically activates the ventilation system when it detects a temperature or humidity greater than the pre-set value. Once the environmental temperature or humidity has descended below the pre-set point, the fan remains functioning for a pre-set period, which can be adjusted by means of the internal clock.

Model	Power supply	Output	Adjustments		Height installation	Working temperature
SI-TEMP+HUMEDAD	24V ac	0-10V dc	△T = 0.5ºC and	△HR = 2%	1.5-2.5 m	+10ºC +40ºC

SI-PRESIÓN

Pressure transmission unit
Controls the pressure in facilities with constant pressure ventilation, and transforms it into an electrical signal to regulate the ventilation system and constantly maintain the same pressure

Model	Power supply	Output	Maximum consumption (VA)	∅ Connectors	Pressure range
SI-PRESIÓN TPDA-3202	24V ac/24V dc	0-10V/4-20mA	4	6.2 mm	0-2500 Pa
SI-PRESIÓN TPDA-3202 c/DISPLAY	24V ac/24V dc	0-10V/4-20mA	4	6.2 mm	0-2500 Pa

SI-TIMER

Timer
Adjusts the operating time of the ventilation system to which it is connected. The ventilation system is automatically activated when the light switch goes on and continues to function for a pre-set time which can be altered by means of the internal clock

Model	Power supply	Output	Maximum current (A)	Adjustments	Working temperature
SI-TIMER	220-240V ac	220-240V dc	3.0	Timing 3min-20 min	-20ºC +50ºC

SI-FUENTE DE ALIMENTACIÓN ac

SI-FUENTE DE ALIMENTACIÓN dc

SI-FUENTE DE ALIMENTACIÓN

Power supply 24V dc / ac
Powers the intelligent 24V dc/ac sensors from an input voltage of 230V. single-phase

Model	Power supply	Output	Installed (VA)
SI-FUENTE DE ALIMENTACIÓN dc	230 V	24V dc	30
SI-FUENTE DE ALIMENTACIÓN ac	230/400 V	24/48V ac	25

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