HEP

HEPT

HPX

AXIAL **FANS**

ROOF **FANS**

HT

CVT

CHT

AXIAL FANS AND **ROOF** FANS

HIGH EFFICIENCY IE2

SODECA

According EU Regulation

OUR COMMITMENT TO THE **ENVIRONMENT**

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

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.

AXIAL FANS AND **ROOF** FANS

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.

For years constant investments have been made in the development of internal processes and applications to achieve the manufacture and supply of special industrial fans, with an extremely limited design and manufacturing period.

Teamwork of our engineering department, together with universities and technology centres as well as close collaboration between the design departments of our external collaborators makes it possible to achieve innovative solutions of industrial ventilation in a short period of time.

Throughout our history, we have developed all kinds of technology in fans for industrial applications which are currently used all over the world. It is our objective to continue to invest in this sector so as to continue to be one of the most esteemed manufacturers of industrial fans in the world.

AXIAL FANS

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Ask us for information

AXIAL FANS
AND
ROOF FANS

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SODECA

FULFILMENT OF STANDARDS

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

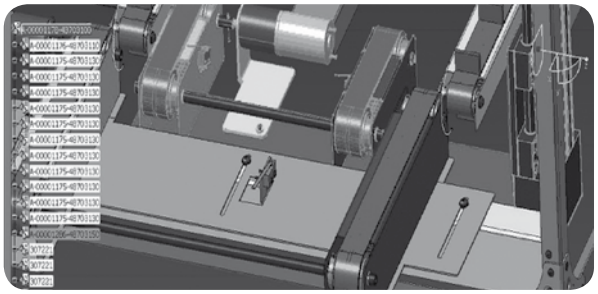
QUALITY	
ISO 9001:2008	Sistemas de gestión de la calidad. Requisitos. Quality management systems -- Requirements
TESTS	
ISO 5801	Ventiladores industriales. Ensayos de comportamiento en circuitos normalizados. Industrial fans -- Performance testing using standardized airways
AMCA 210-99	Ventiladores industriales. 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

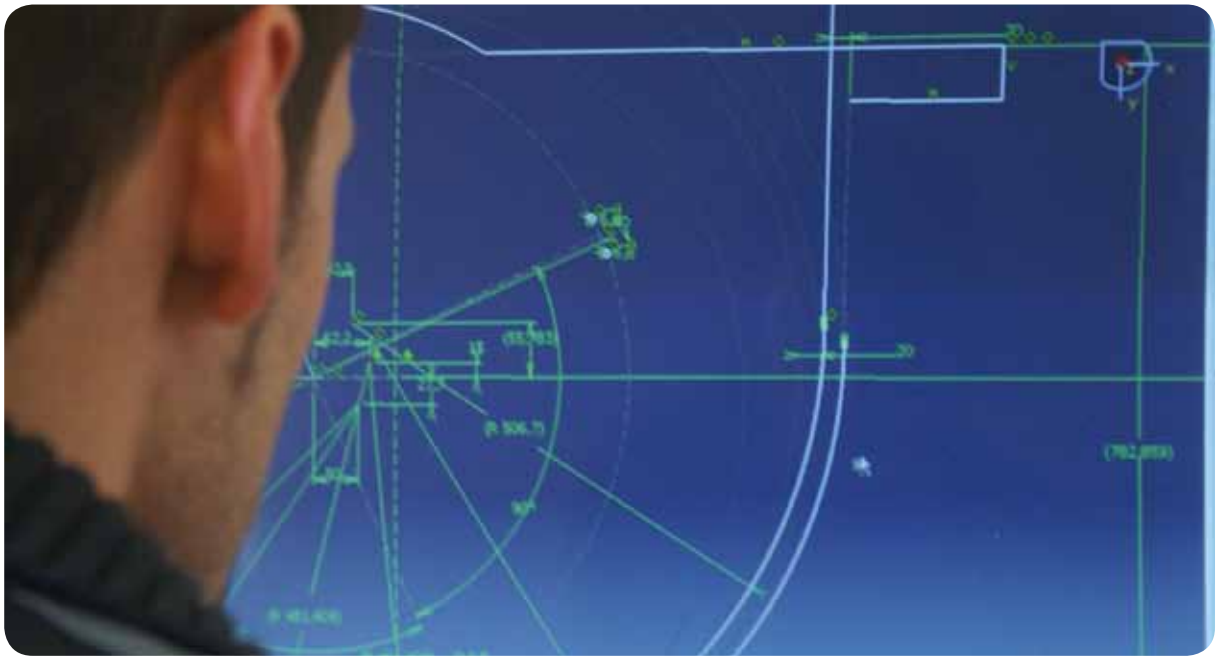
Our design, research and development department is working intensively to improve the quality and efficiency of our products day by day.

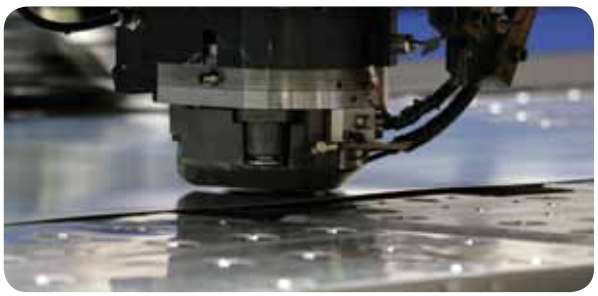
DESIGN, RESEARCH AND DEVELOPMENT

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.







HEP
HEPT

HEP

HEPT

HEP: Wall-mounted axial fans, with IP-65 motor
HEPT: Long-cased axial fans, with IP-65 motor

Wall-mounted axial (HEP) and long-cased fans (HEPT), with fibreglass-reinforced plastic impeller.

Fan:
- Airflow direction from motor to impeller
- Impeller in polyamide 6 reinforced with fibre glass
- HEP: Support frame in sheet steel
- HEP: Protection guard, meets UNE 100250 standard
- HEPT: Sheet steel long casing
- HEPT: Outside connecting box, IP-65 protection

Motor:
- Class F motors with ball bearings, IP-65 protection
- Single-phase 220-240V. -50Hz, and Three-phase 240V./380-415V.-50Hz.
- Working temperature: -25ºC. +60ºC., 4-6-8 poles motors and -25ºC. +45ºC, 2 pole motors

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

On request:
- Motor, impeller and guard unit (version F)
- Motor-impeller unit (version G)
- Airflow direction from impeller to motor
- Special windings for different voltages

Order code

HEP — 45 — 4T/H — I — F

HEP: Wall-mounted axial fans, with IP-65 motor
HEPT: Long-cased axial fans, with IP-65 motor

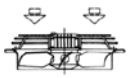
Impeller diameter in cm.

Number of motor poles
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
8=750 r/min. 50 Hz

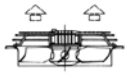
T=Three-phase
M=Single-phase

H=High airflow
L=Low airflow

Air circulation
I=Impeller Motor->Impeller



A=Airflow-in Impeller->Motor



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) 220-240V	380-415V	Absorbed power at free airflow (W)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg) HEP	HEPT
HEP-25-2T/H		2780	1.3	0.75	250	2300	64	5.3	-
HEP-25-2M/H		2750	1.95	-	285	2300	64	5.3	-
HEP-25-4T/H		1450	0.69	0.4	87	1250	52	4.5	-
HEP-25-4M/H		1440	0.65	-	100	1250	52	4.5	-
HEP-31-2T/H	HEPT-31-2T/H	2640	1.54	0.89	495	4000	74	7	7.4
HEP-31-2M/H	HEPT-31-2M/H	2640	2.3	-	515	4000	74	7	7.4
HEP-31-4T/H	HEPT-31-4T/H	1410	0.69	0.4	115	2400	55	5.7	6.2
HEP-31-4M/H	HEPT-31-4M/H	1410	0.75	-	140	2400	55	5.7	6.2
HEP-31-4T/L		1430	0.69	0.4	100	1950	54	5.1	-
HEP-31-4M/L		1420	0.7	-	110	1950	54	5.1	-
HEP-35-2T/H	HEPT-35-2T/H	2790	2.16	1.25	650	6020	76	8.8	9.4
HEP-35-2M/H	HEPT-35-2M/H	2675	2.8	-	690	6020	76	8.8	9.4

Technical characteristics

Model		Speed	Maximum admissible current (A)		Absorbed power at free airflow	Maximum airflow	Sound pressure level	Approx. weight (Kg)	
		(r/min)	220-240V	380-415V	(W)	(m^3/h)	dB(A)	HEP	HEPT
HEP-35-4T/H	HEPT-35-4T/H	1340	0.74	0.43	170	3500	58	7.1	7.6
HEP-35-4M/H	HEPT-35-4M/H	1340	0.98	-	180	3500	58	7.1	7.6
HEP-35-4T/L		1410	0.69	0.4	110	2650	56	6.5	-
HEP-35-4M/L		1410	0.75	-	115	2650	56	6.5	-
HEP-40-4T/H	HEPT-40-4T/H	1420	2.1	1.2	325	5200	61	10.6	13.5
HEP-40-4M/H	HEPT-40-4M/H	1400	1.85	-	360	5200	61	10.6	13.5
HEP-40-4T/L		1450	2.1	1.2	220	4000	60	10.6	-
HEP-40-4M/L		1420	1.55	-	260	4000	60	10.6	-
HEP-40-6T/H	HEPT-40-6T/H	960	1.12	0.65	150	3500	54	10.2	13.5
HEP-40-6M/H	HEPT-40-6M/H	960	1.06	-	180	3500	54	10.2	13.5
HEP-45-4T/H	HEPT-45-4T/H	1400	2.11	1.22	470	7300	66	12.5	15.5
HEP-45-4M/H	HEPT-45-4M/H	1400	2.35	-	480	7300	66	12.5	15.5
HEP-45-4T/L		1440	2.1	1.2	315	5810	64	11	-
HEP-45-4M/L		1360	1.85	-	360	5810	64	11	-
HEP-45-6T/H	HEPT-45-6T/H	955	1.42	0.82	210	4900	56	11.4	15.5
HEP-45-6M/H	HEPT-45-6M/H	955	1.4	-	225	4900	56	11.4	15.5
HEP-50-4T/H	HEPT-50-4T/H	1420	3.1	1.8	720	10150	69	15	18
HEP-50-4M/H	HEPT-50-4M/H	1380	3.45	-	720	10150	69	15	18
HEP-50-4T/L		1400	2.15	1.25	430	7300	67	13	-
HEP-50-4M/L		1370	2.3	-	430	7300	67	13	-
HEP-50-6T/H	HEPT-50-6T/H	950	1.38	0.8	240	6150	59	13.2	18
HEP-50-6M/H	HEPT-50-6M/H	950	1.38	-	245	6150	59	13.2	18
HEP-56-4T/H	HEPT-56-4T/H	1350	3.63	2.1	1050	12800	72	21	28
HEP-56-4M/H	HEPT-56-4M/H	1350	5.26	-	1060	12800	72	21	28
HEP-56-4T/L		1400	3.2	1.85	800	10900	70	19	-
HEP-56-4M/L		1350	3.7	-	810	10900	70	19	-
HEP-56-6T/H	HEPT-56-6T/H	915	1.73	1	400	8250	62	17	28
HEP-56-6M/H	HEPT-56-6M/H	915	2.25	-	415	8250	62	17	28
HEP-63-4T/H	HEPT-63-4T/H	1415	6.92	4	1700	18700	82	25.8	33.5
HEP-63-4T/L		1375	5.01	2.9	1290	16500	75	23	-
HEP-63-4M/L		1375	5.4	-	1295	16500	75	23	-
HEP-63-6T/H	HEPT-63-6T/H	905	2.06	1.19	500	12050	65	20.2	33.5
HEP-63-6M/H	HEPT-63-6M/H	905	2.7	-	560	12050	65	20.2	33.5
HEP-63-6T/L		945	1.62	0.94	360	9450	63	19.4	-
HEP-63-6M/L		945	1.8	-	330	9450	63	19.4	-
HEP-63-8T/H		700	1.9	1.1	325	8250	57	19.2	-
HEP-63-8M/H		700	1.89	-	325	8250	57	19.2	-

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.

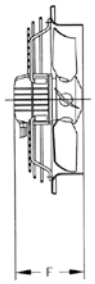
Model	63	125	250	500	1000	2000	4000	8000
25-2/H	39	52	64	68	70	70	66	58
25-4/H	27	40	52	56	58	58	54	46
31-2/H	49	62	74	78	80	80	76	68
31-4/H	30	43	55	59	61	61	57	49
31-4/L	29	42	54	58	60	60	56	48
35-2/H	51	64	76	80	82	82	78	70
35-4/H	33	46	58	62	64	64	60	52
35-4/L	31	44	56	60	62	62	58	50
40-4/H	36	49	61	65	67	67	63	55
40-4/L	35	48	60	64	66	66	62	54
40-6/H	29	42	54	58	60	60	56	48
45-4/H	43	57	69	72	74	75	71	62
45-4/L	41	55	67	70	72	73	69	60

Model	63	125	250	500	1000	2000	4000	8000
45-6/H	33	47	59	62	64	65	61	52
50-4/H	46	60	72	75	77	78	74	65
50-4/L	44	58	70	73	75	76	72	63
50-6/H	36	50	62	65	67	68	64	55
56-4/H	49	63	75	78	80	81	77	68
56-4/L	47	61	73	76	78	79	75	66
56-6/H	39	53	65	68	70	71	67	58
63-4/H	61	75	87	90	92	92	89	80
63-4/L	54	68	80	83	85	85	82	73
63-6/H	44	58	70	73	75	75	72	63
63-6/L	42	56	68	71	73	73	70	61
63-8/H	36	50	62	65	67	67	64	55

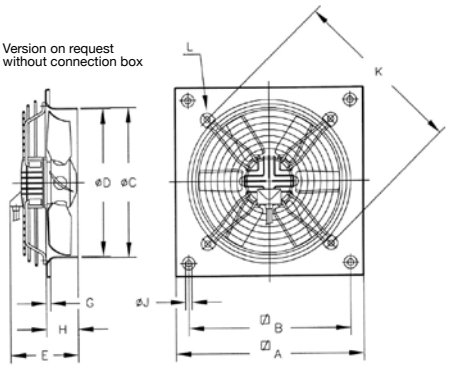
Dimensions in mm

HEP

Standard version with connection box

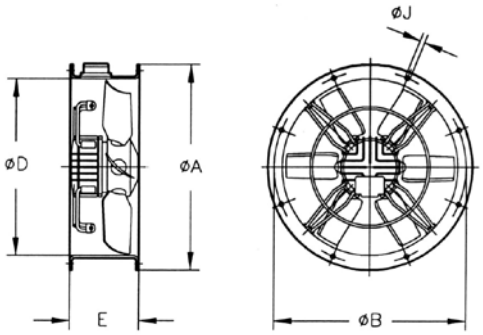


Version on request without connection box



Model	⍁A	⍁B	⌀C	⌀D	E				F				G	H	⌀J	K	L
					2T	4T	6T	8T	2T	4T	6T	8T					
HEP-25	330	275	262	260	189	179	-	-	213	203	-	-	11	56	8.5	310	M.8
HEP-31..../H	400	336	310.5	308	190	180	-	-	214	204	-	-	11	75	10.5	380	M.8
HEP-31.../L	400	336	310.5	308	-	180	-	-	-	204	-	-	11	75	10.5	380	M.8
HEP-35.../H	465	390	362.5	360	217	187	-	-	241	211	-	-	11	86	10.5	450	M.8
HEP-35.../L	465	390	362.5	360	-	187	-	-	-	211	-	-	11	86	10.5	450	M.8
HEP-40.../H	532	452	412.5	410	-	206	186	-	-	226	205	-	11	97.5	10.5	500	M.8
HEP-40.../L	532	452	412.5	410	-	206	-	-	-	226	-	-	11	97.5	10.5	500	M.8
HEP-45.../H	596	504	462.5	460	-	214	199	-	-	234	218	-	11	105	10.5	560	M.8
HEP-45.../L	596	504	462.5	460	-	214	-	-	-	234	-	-	11	105	10.5	560	M.8
HEP-50.../H	665	562	516.5	514	-	255	235	-	-	275	254	-	11	115	10.5	640	M.8
HEP-50.../L	665	562	516.5	514	-	240	-	-	-	260	-	-	11	115	10.5	640	M.8
HEP-56.../H	710	630	563	560	-	287	247	-	-	306	266	-	15	115	10.5	721	M.8
HEP-56.../L	710	630	563	560	-	267	-	-	-	286	-	-	15	115	10.5	721	M.8
HEP-63.../H	800	710	638	635	-	-	257	247	-	340	276	266	15	140	10.5	820	M.8
HEP-63.../L	800	710	638	635	-	-	247	-	-	340	266	-	15	140	10.5	820	M.8

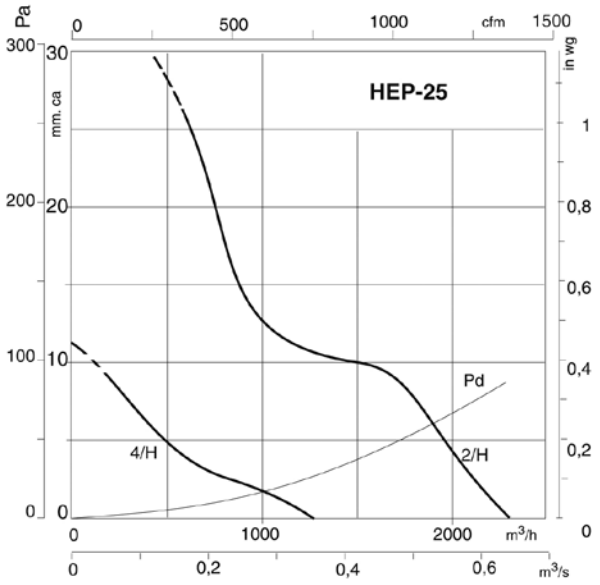
HEPT

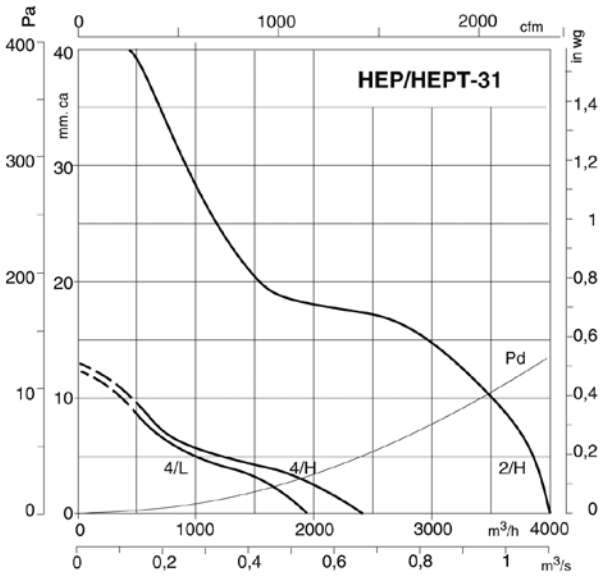


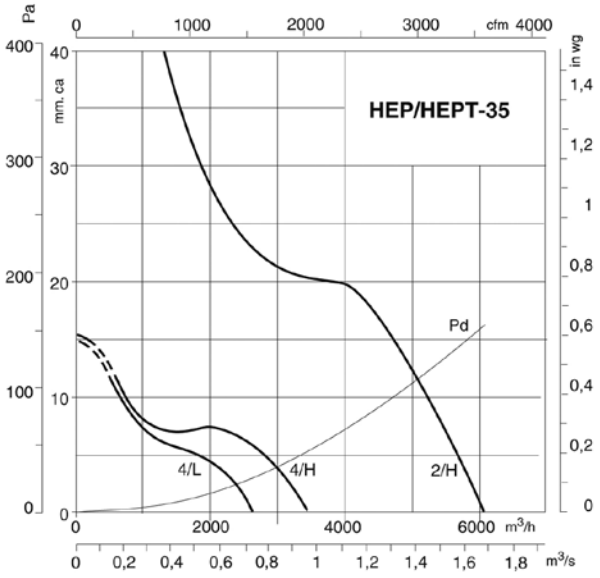
Model	⌀A	⌀B	⌀D	E	⌀J	Drills No.
HEPT-31	385	355	308	200	10	8
HEPT-35	425	395	360	220	10	8
HEPT-40	490	450	410	220	12	8
HEPT-45	540	500	460	220	12	8
HEPT-50	600	560	514	230	12	12
HEPT-56	660	620	560	260	12	12
HEPT-63	730	690	635	350	12	12

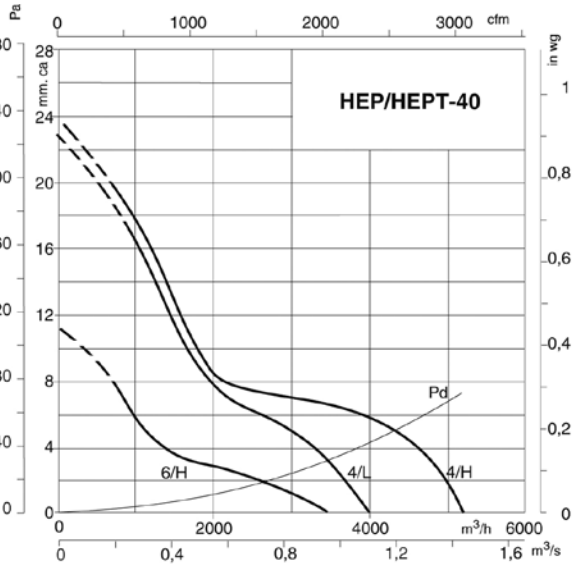
Characteristic curves

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



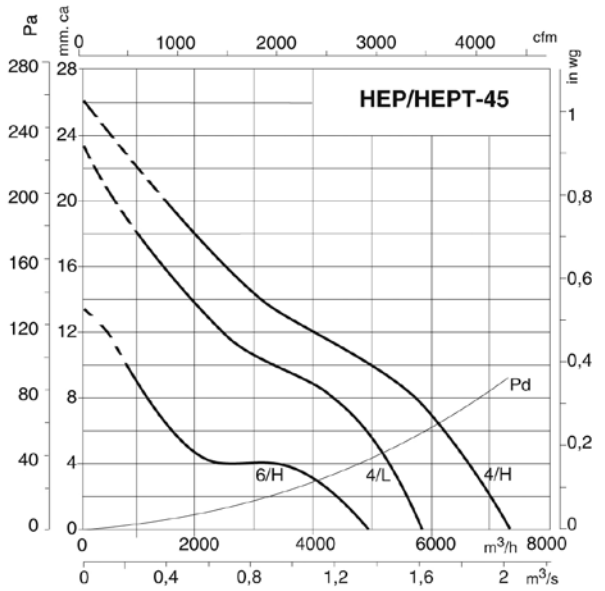


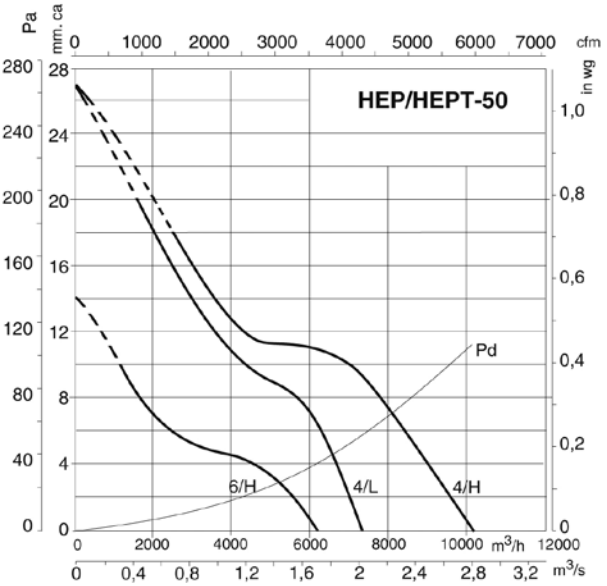


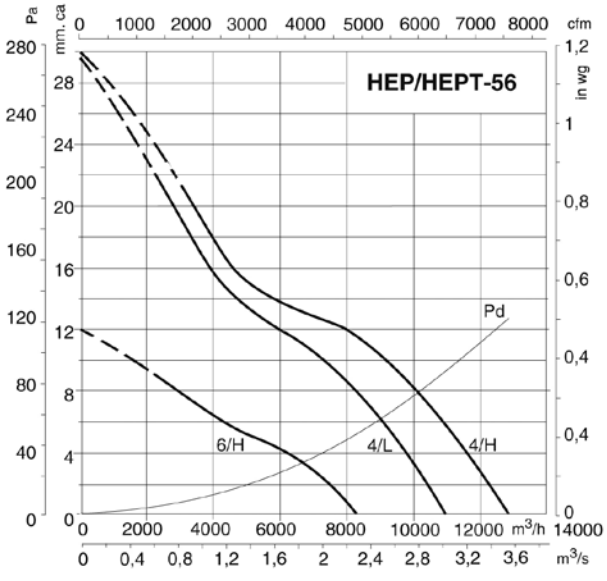


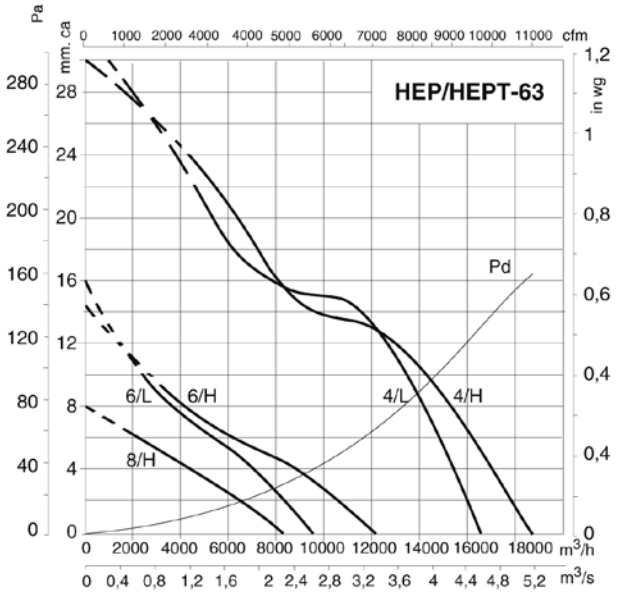
Characteristic curves

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









Accessories

See accessories section.

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

HC

Wall-mounted axial fans, with IP-55 motor

HC

HC
71, 80,
90,100

Wall-mounted axial fans with fibreglass-reinforced plastic impeller

Fan:
- Support frame in sheet steel
- Impeller in polyamide 6 reinforced with fibre glass
- Protection guard, meets UNE 100250 standard
- Models 71, 80, 90 and 100, the protective grille is supplied as an accessory
- Airflow direction from motor to impeller

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 63, 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.+ 60ºC.

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

On request:
- Motor, impeller and guard unit (version F)
- Motor-impeller unit, version G.
- Airflow direction from impeller to motor.
- Special windings for different voltages.

Order code

HC — 25 — 2T/H — I — F

HC — Wall-mounted axial fans, with IP-55 motor

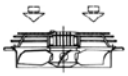
25 — Impeller diameter in cm.

2T/H — Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
8=750 r/min. 50 Hz
12=500 r/min. 50 Hz

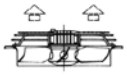
T=Three-phase
M=Single-phase

H=High airflow
L=Low airflow

I — Air circulation
I=Impeller Motor->Impeller



A=Airflow-in 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 (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HC-25-2T/H	2760	0.83	0.48		0.12	2200	64	5
HC-25-2M/H	2760	1.1			0.12	2200	64	5
HC-25-4T/H	1450	0.6	0.35		0.1	1300	51	5
HC-25-4M/H	1450	0.63			0.1	1300	51	5
HC-31-2T/H	2780	1.38	0.8		0.18	3650	72	6
*HC-31-2M/H	2780	1.85			0.18	3650	72	6
HC-31-4T/H	1430	0.64	0.37		0.1	2400	54	6

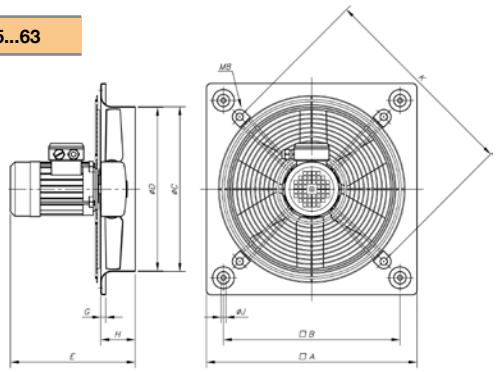
*Non-adjustable

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)
HC-31-4M/H	1430	0.75			0.1	2400	54	6
HC-31-4T/L	1455	0.65	0.38		0.08	1800	52	6
HC-31-4M/L	1455	0.67			0.1	1800	52	6
HC-35-2T/H	2830	2.25	1.3		0.37	6020	76	8
HC-35-4T/H	1360	0.72	0.42		0.1	3500	58	7
HC-35-4M/H	1360	0.87			0.1	3500	58	7
HC-35-4T/L	1440	0.64	0.37		0.1	2600	56	7
HC-35-4M/L	1440	0.67			0.1	2600	56	7
HC-40-4T/H	1400	1.82	1.05		0.25	5200	63	10
HC-40-4M/H	1340	2.2			0.25	5200	63	10
HC-40-4T/L	1335	0.7	0.41		0.1	4000	59	8
HC-40-4M/L	1335	1.01			0.1	4000	59	8
HC-40-6T/H	970	1.3	0.75		0.25	3700	55	10
HC-40-6M/H	970	1.3			0.25	3700	55	10
HC-45-4T/H	1380	2.08	1.2		0.37	7300	66	14
HC-45-4M/H	1375	3.1			0.37	7300	66	14
HC-45-4T/L	1400	1.82	1.05		0.25	5600	63	11
HC-45-4M/L	1355	2.15			0.25	5600	63	11
HC-45-6T/H	950	1.47	0.85		0.25	5200	57	14
HC-45-6M/H	950	1.5			0.25	5200	57	14
HC-50-4T/H	1380	2.94	1.7		0.55	10200	69	18
HC-50-4M/H	1350	5.02			0.55	10200	69	18
HC-50-4T/L	1400	1.82	1.05		0.25	7400	66	12
HC-50-4M/L	1340	2.3			0.25	7400	66	12
HC-50-6T/H	960	2.08	1.2		0.37	6300	59	18
HC-50-6M/H	960	2.5			0.37	6300	59	18
HC-56-4T/H	1440	4.68	2.7		1.1	13000	72	24
HC-56-4/8T/H	1440/710		2.90/1.30		1.10/0.25	13000/6500	72/57	24
HC-56-4T/L	1380	2.85	1.65		0.55	11050	70	18
HC-56-4M/L	1380	4.6			0.55	11050	70	18
HC-56-6T/H	940	2.25	1.3		0.37	8400	61	19
HC-56-6M/H	940	2.5			0.37	8400	61	19
HC-63-4T/H	1415	5.2	3		1.1	16450	74	26
HC-63-4/8T/H	1440/710	-	3.15/1.30		1.10/0.25	16450/8225	74/59	26
HC-63-4T/L	1430	3.84	2.22		0.75	14400	73	19
HC-63-4M/L	1430	4.78			0.55	14400	73	19
HC-63-6T/H	890	2.42	1.4		0.37	12400	64	21
HC-63-6M/H	890	3			0.37	12400	64	21
HC-71-4T/H	1450	6.41	3.7		1.5	22300	78	35
HC-71-4/8T/H	1420/700	-	3.50/1.50		1.50/0.37	22300/11150	78/63	35
HC-71-6T/H	950	3.91	2.26		0.75	17500	66	36
HC-71-6/12T/H	935/435	-	2.20/0.87		0.75/0.15	17500/8750	66/51	35
HC-71-6M/H	950	4.1			0.75	15600	65	36
HC-80-4T/H	1450	11.78	6.8		3	33000	82	55
HC-80-4/8T/H	1430/710	-	6.50/2.30		3.0/0.60	33000/16500	82/67	53
HC-80-4T/L	1450	6.41	3.7		1.5	25000	79	44
HC-80-6T/H	950	4.16	2.4		0.75	22000	71	45
HC-80-6/12T/H	935/435	-	2.40/0.87		0.75/0.15	22000/11000	71/56	44
HC-80-6T/L	950	2.96	1.71		0.55	19200	70	39
HC-90-4T/H	1450	15.24	8.8		4	43500	86	68
HC-90-4/8T/H	1430/710	-	8.80/2.90		4.00/0.80	43500/19800	86/69	74
HC-90-4T/L	1450	11.78	6.8		3	33800	83	63
HC-90-6T/H	950	7.62	4.4		1.5	33300	76	60
HC-90-6/12T/H	970/470	-	4.60/1.90		1.50/0.25	33300/16650	76/61	70
HC-90-6T/L	950	5	2.89		1.1	26200	73	55
HC-90-8T/H	720	3.26	1.88		0.55	19800	69	54
HC-100-4T/H	1450	-	11.9	6.9	5.5	54000	88	85
HC-100-4/8T/H	1460/725	-	12.50/4.10		5.50/1.10	54000/27000	88/73	95
HC-100-4T/L	1450	15.24	8.8		4	42500	84	71
HC-100-6T/H	950	7.62	4.4		1.5	37000	78	63
HC-100-6/12T/H	970/470	-	4.60/1.90		1.50/0.25	37000/18500	78/63	73
HC-100-6T/L	950	5	2.89		1.1	28100	76	58
HC-100-8T/H	720	4.23	2.44		0.75	27000	72	61

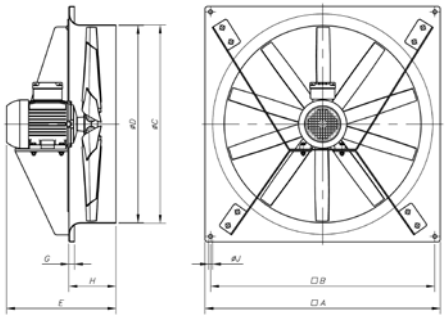
Dimensions in mm

HC 25...63



Model	∅A	∅B	∅C	∅D	E	G	H	∅J	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-50-4M/H	665	562	516.5	514	351	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-56-4M/L	710	630	563	560	351	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 71..0,100



Model	∅A	∅B	∅C	∅D	E	G	H	∅J
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-71-4T/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-90-8T/H	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
HC-100-8T/H	1170	1110	1003	999	498	20	220	14.5

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 impeller's diameter, with a minimum of 1.5 m.

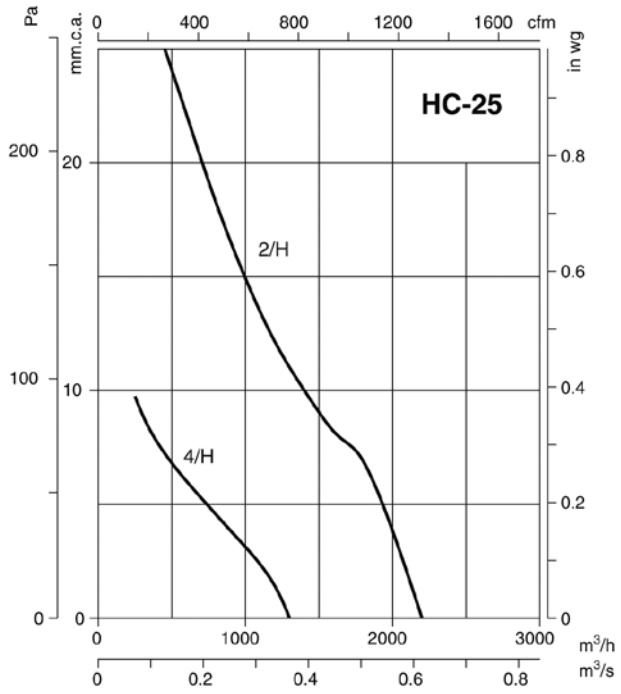
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

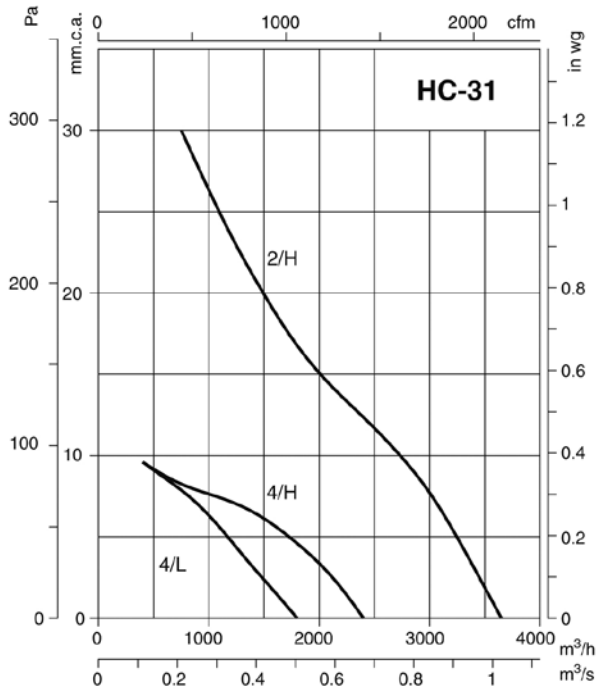
Model	63	125	250	500	1000	2000	4000	8000
25-2/H	38	48	65	65	73	69	62	53
25-4/H	25	35	52	52	60	56	49	40
31-2/H	46	56	73	73	81	77	70	61
31-4/H	28	38	55	55	63	59	52	43
31-4/L	26	36	53	53	61	57	50	41
35-2/H	50	60	77	77	85	81	74	65
35-4/H	32	42	59	59	67	63	56	47
35-4/L	30	40	57	57	65	61	54	45
40-4/H	28	45	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
56-8/H	24	41	54	61	66	67	62	55
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
63-8/H	28	45	58	65	70	71	66	59

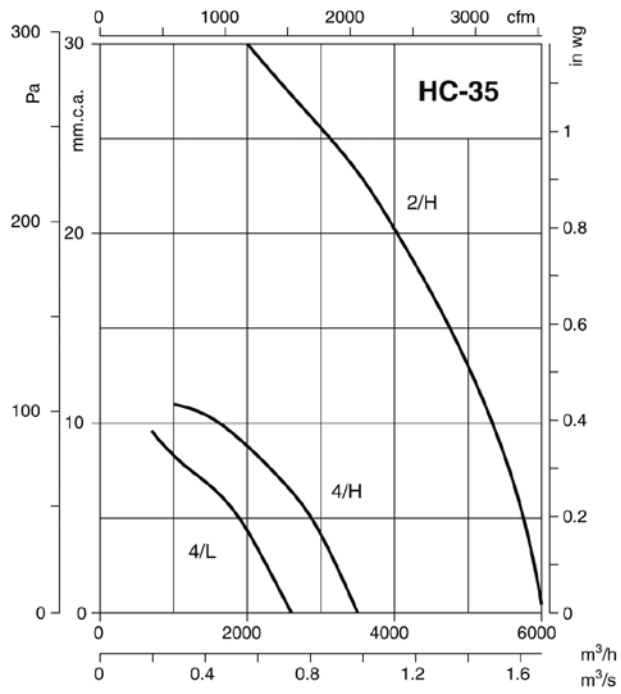
Model	63	125	250	500	1000	2000	4000	8000
63-4/L	48	63	73	78	84	85	81	74
71-4/H	47	64	77	84	89	90	85	78
71-6T/H	35	52	65	72	77	78	73	66
71-6M/H	34	51	64	71	76	77	72	65
71-8/H	32	49	62	69	74	75	70	63
71-12/H	20	37	50	57	62	63	58	51
80-4/H	60	81	88	93	96	92	85	74
80-6/H	49	70	77	82	85	81	74	63
80-8/H	45	66	73	78	81	77	70	59
80-12/H	34	55	62	67	70	66	59	48
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
90-8/H	47	68	75	80	83	79	72	61
90-12/H	39	60	67	72	75	71	64	53
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
100-8/H	52	72	80	85	87	84	77	66
100-12/H	43	63	71	76	78	75	68	57
100-4/L	64	84	92	97	99	96	89	78
100-6/L	56	76	84	89	91	88	81	70

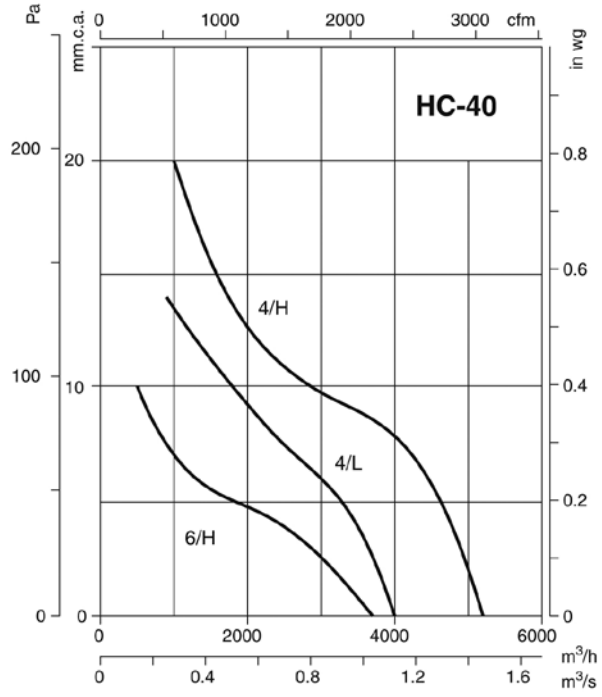
Characteristic curves

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





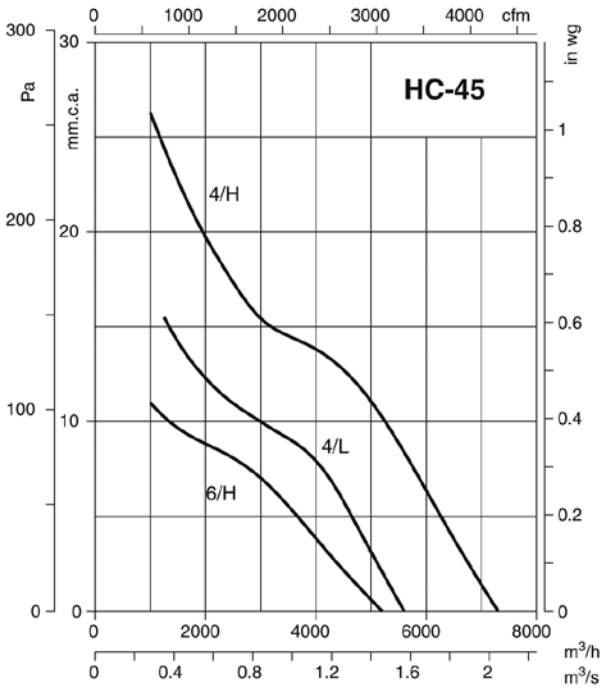


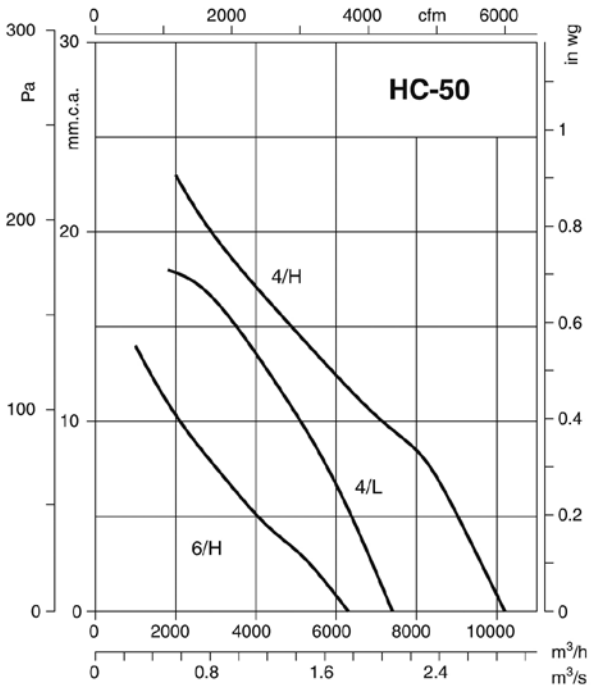


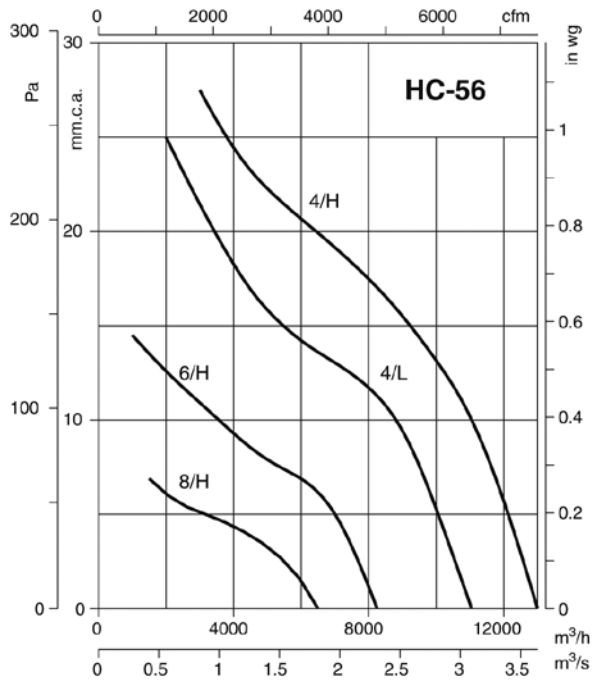
Characteristic curves

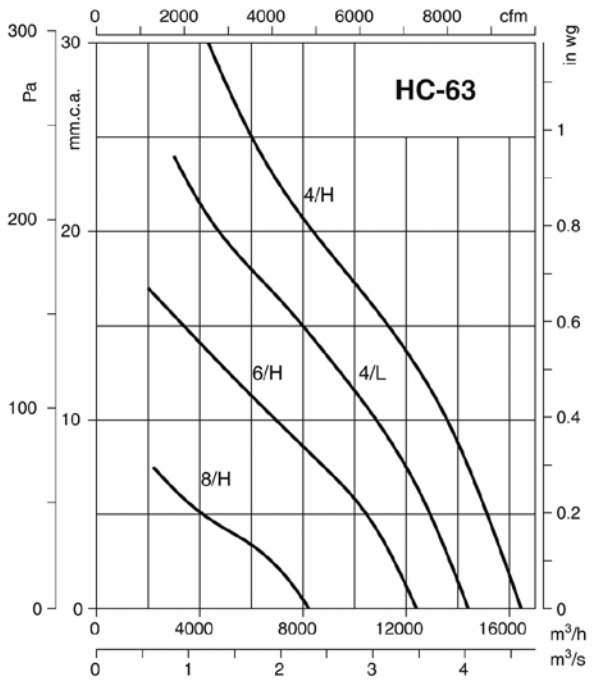
Q = Airflow in m^3/h, m^3/s and cfm.

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



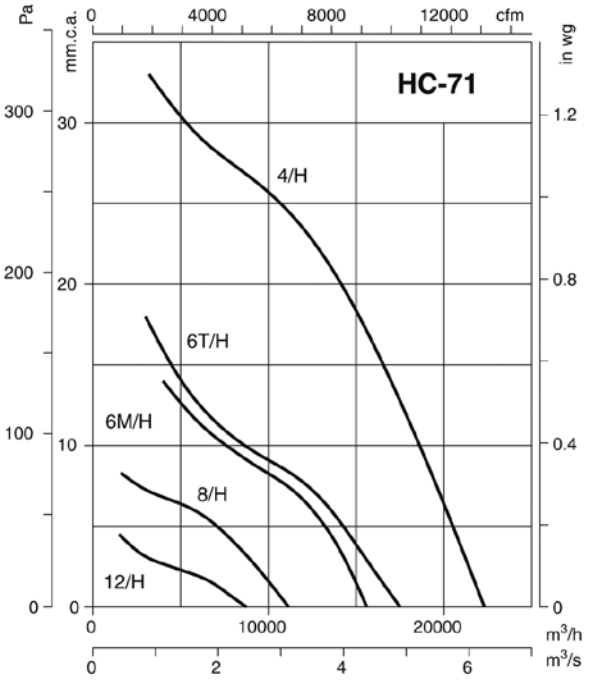


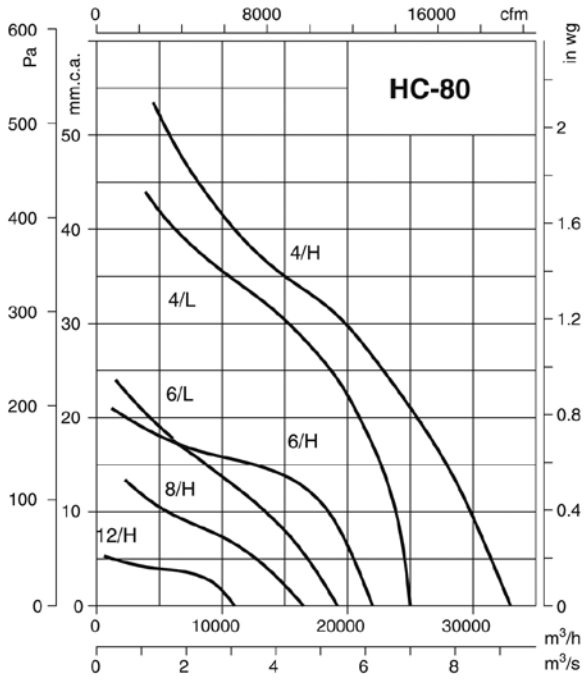


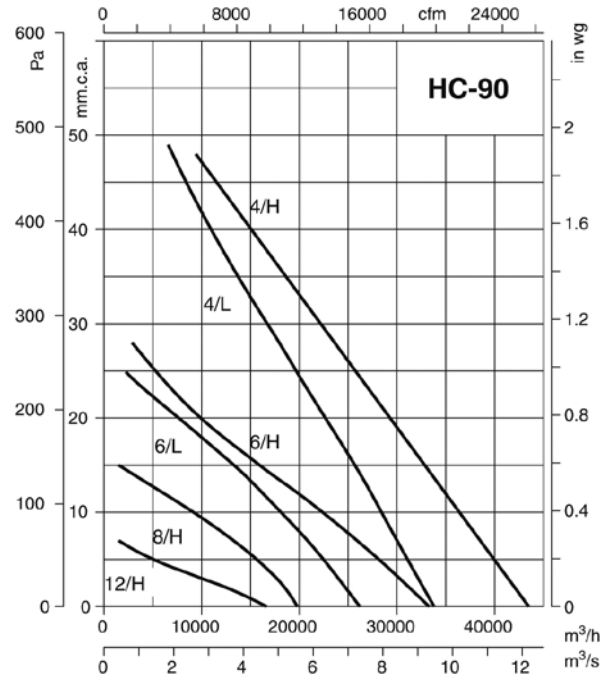


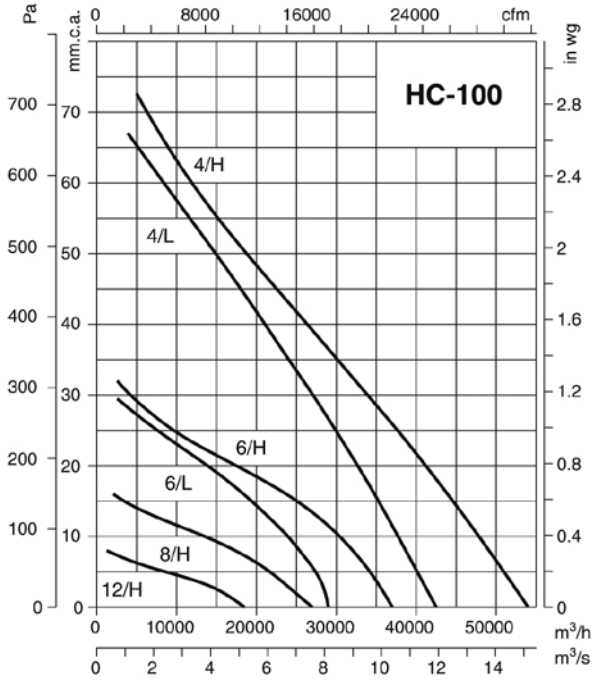
Characteristic curves

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 RM C2V AR RFT/ RFM PANELS PL P R RI S SI

HCD

Small-diameter wall-mounted axial fans

Wall-mounted axial fans with aluminium sheet impellers, shading ring motors and incorporated connection cable.

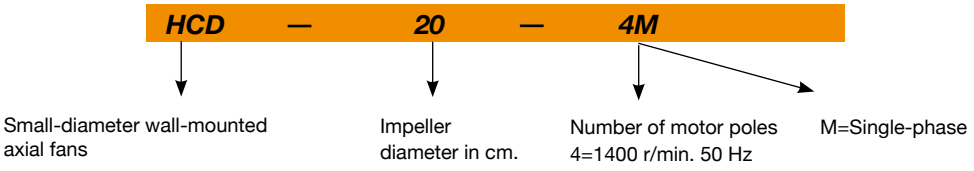
Fan:
- Support frame in sheet steel
- Aluminium sheet impeller
- Protection guard, meets UNE 100250 standard
- Airflow direction from motor to impeller

Motor:
- Class B motors with dry friction bearings, IP44 protection, except model 40 supplied with class F motor, ball bearings, IP54 protection
- Single-phase 230V.-50Hz.
- Working temperature: -25ºC.+ 50ºC

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

On request:
- Special windings for different voltages

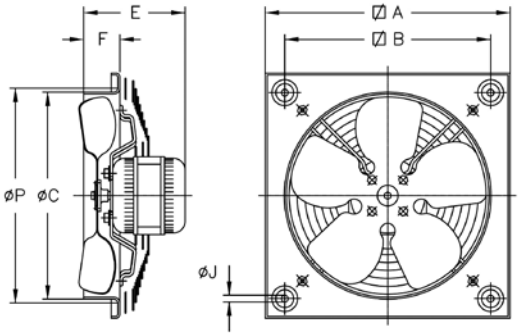
Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	Absorbed power at free airflow (W)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HCD-20-4M	1350	0.21	36	560	38	1.15
HCD-25-4M	1340	0.25	41	960	43	1.60
HCD-30-4M	1360	0.51	76	1350	48	2.15
HCD-35-4M	1365	0.80	115	1820	53	6.20
HCD-40-4M	1410	1.00	150	3100	57	7.20

Dimensions in mm

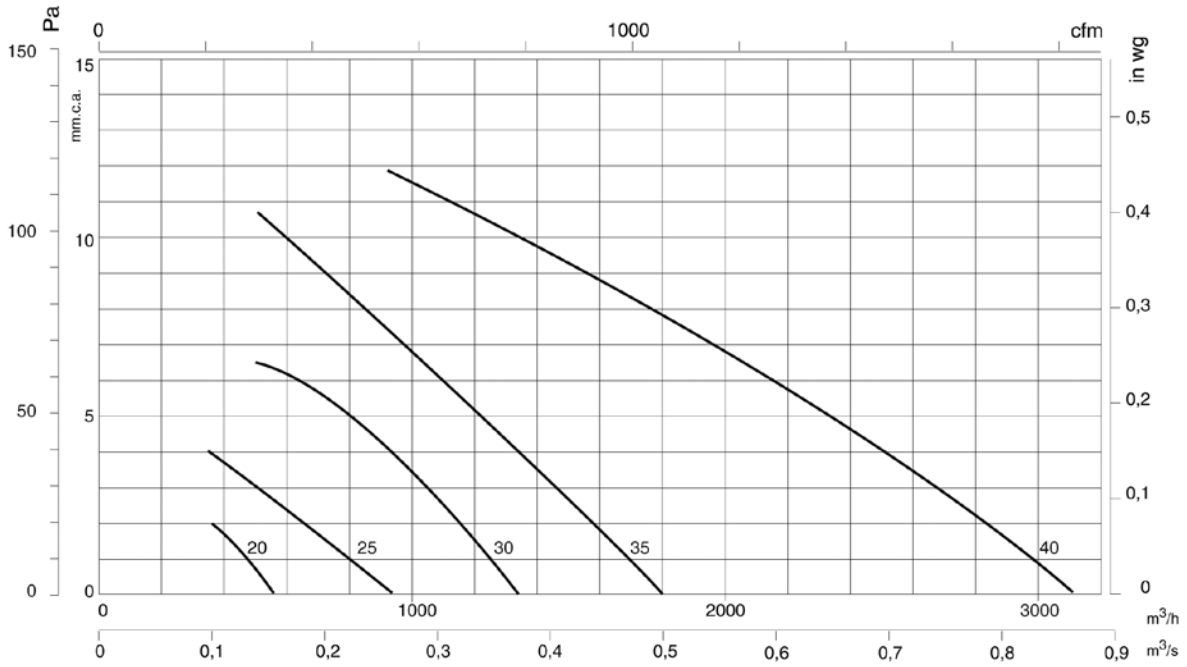


Model	ØA	ØB	ØC	E	F	ØJ	ØP
HCD-20	266	222	211	104.5	34	9	240
HCD-25	330	275	262	105.5	56	10.5	290
HCD-30	400	336	311	153	75	10.5	348
HCD-35	465	390	363	166	86	10.5	410
HCD-40	532	452	413	276	97.5	10.5	460

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 RM PL P RI SI

HCRE

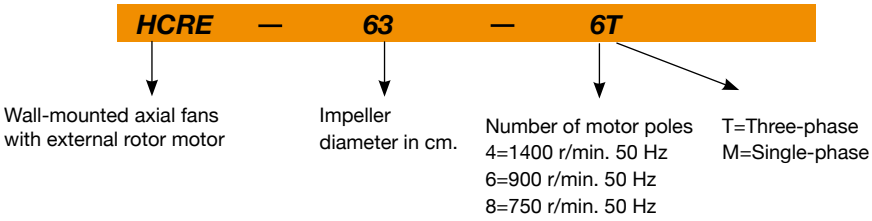
Low noise wall-mounted axial fans with sheet steel impeller and external rotor motors.

Fan:
- Support frame in sheet steel
- Sheet steel impeller
- Protection guard, meets UNE 100250 standard
- Airflow direction from impeller to motor

Motor:
- Class F motors with ball bearings, IP54 protection
- Single-phase 230V.-50Hz.
- Working temperature: -40ºC.+ 60ºC

Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.
- Motor assembly, blade (version F)

Order code

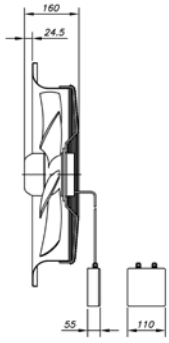


Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	Δ 400V	Y 400V	Max. absorbed power (W)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HCRE-40-4M	1250	1.35			260	4500	58	9
HCRE-50-4T	1250 / 880		1.40	1.10	700 / 500	9500 / 6800	68 /65.5	17.5
HCRE-50-6M	890	1.25			290	6600	60	15.5
HCRE-56-6T	880 / 670		0.76	0.46	420 / 280	8000 / 6000	61 /58.8	17.5
HCRE-63-6T	880 / 700		1.40	0.80	500 / 320	11800 / 8000	62 /58.7	24
HCRE-63-6M	870	2.80			630	11100	62	24.5
HCRE-71-6T	900 / 710		2.2	1.40	1130 / 800	16900 / 13800	65 /63.4	36.5
HCRE-80-6T	920 / 760		4.00	2.30	1850 / 1250	24000 / 20000	66 /64	48
HCRE-80-8T	720 / 605		2.8	1.40	850 / 650	18500 / 15600	61 /59	47.5

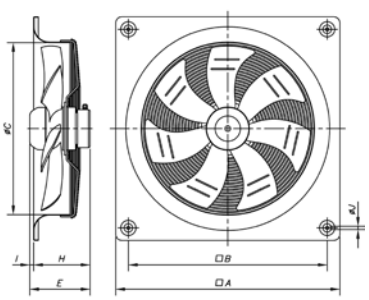
Dimensions in mm

HCRE-40



HCRE-50...80

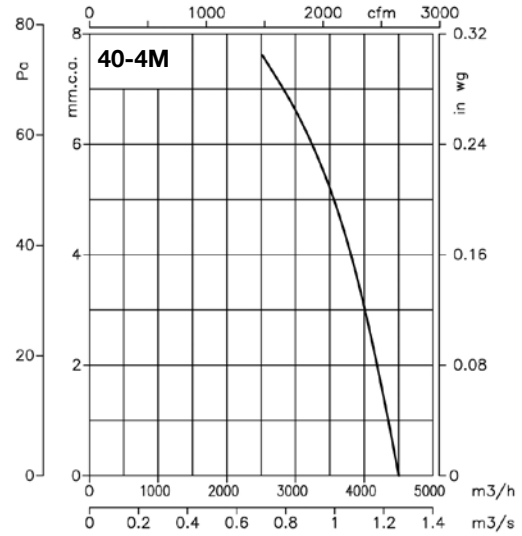
Airflow direction

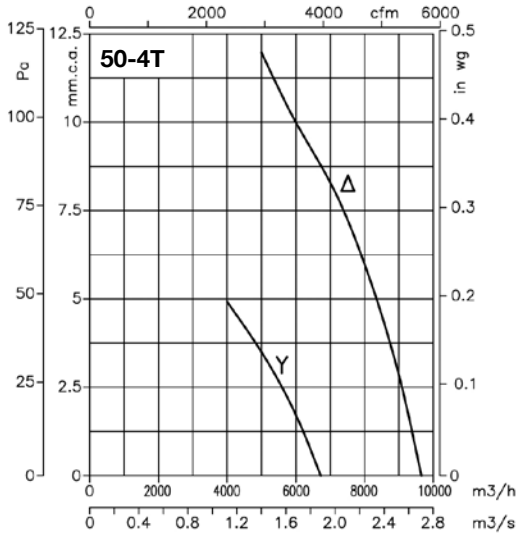


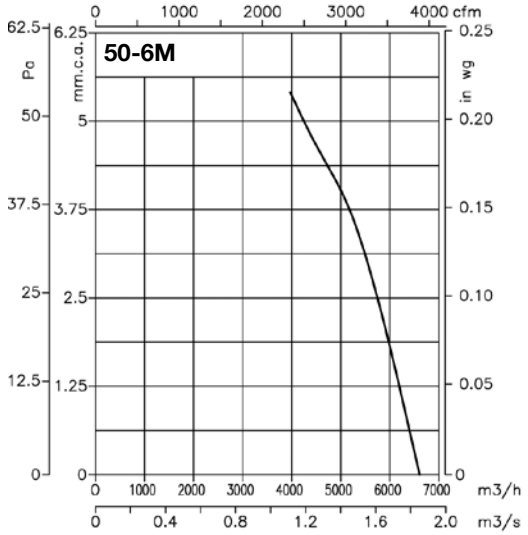
Model	ØA	ØB	ØC	E	H	I	ØJ
HCRE-40-4M	515	490	396	-	-	-	11
HCRE-50-4T	655	615	520	231	196	35	11
HCRE-50-6M	655	615	520	211	196	15	11
HCRE-56-6T	725	675	552	214	210	4	11
HCRE-63-6T/6M	805	750	630	231	214	17	11
HCRE-71-6T	850	810	697	266	226	40	15
HCRE-80-6T/8T	969	910	784	294	262	32	15

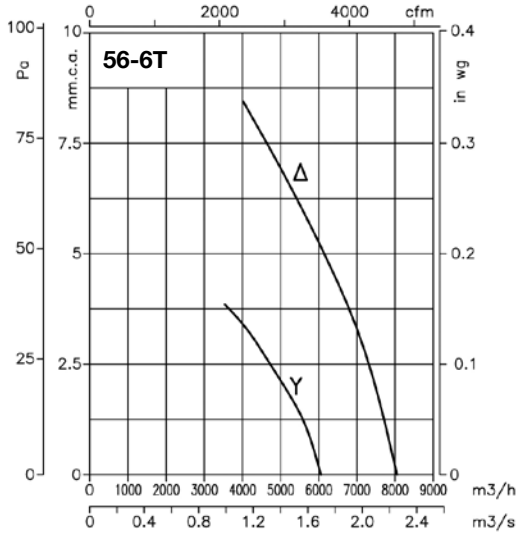
Characteristic curves

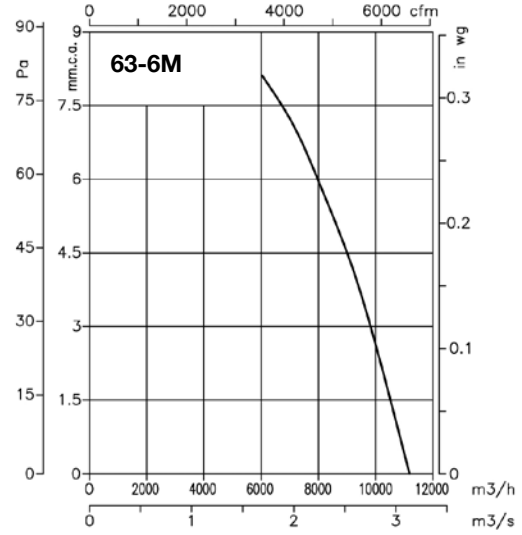
Q = Airflow in m^3/h, m^3/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.

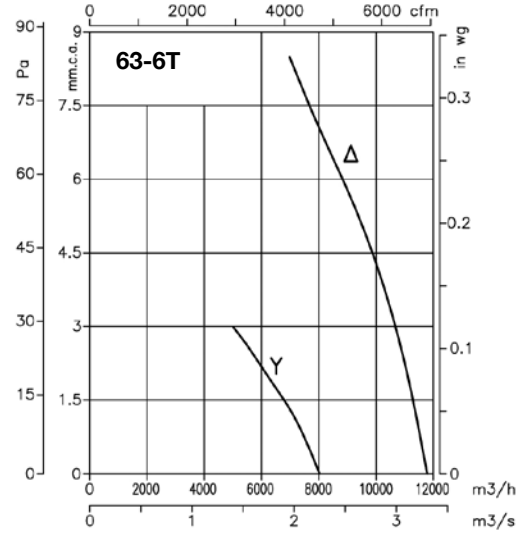








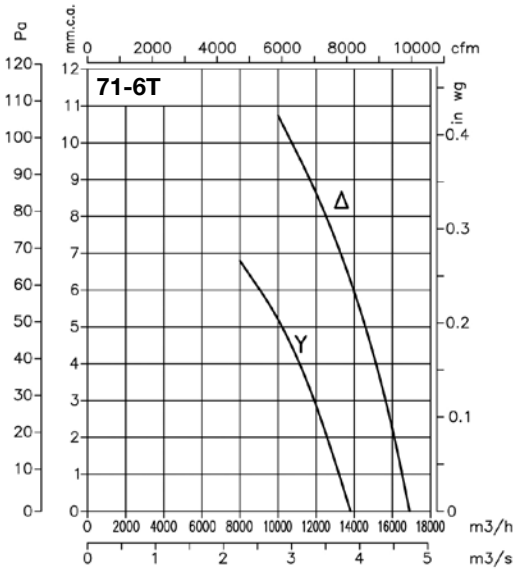


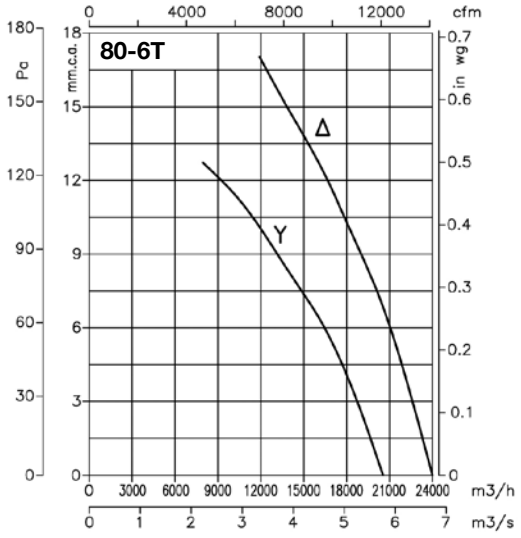


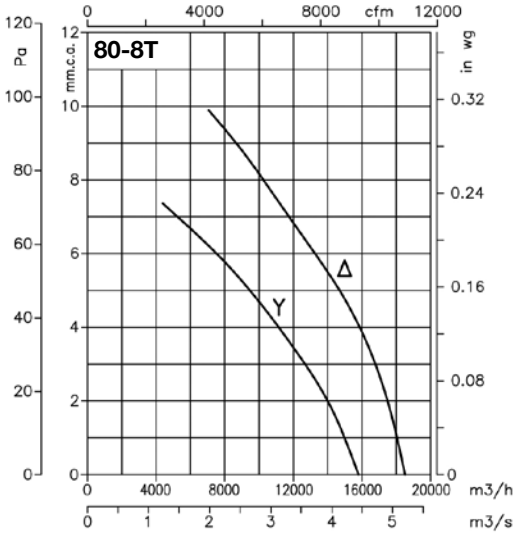
Characteristic curves

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

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







Accessories

See accessories section.

INT RM AR RFT/ RFM PANELS PL P RI S SI

HRE

Circular axial fans with external rotor motor

Circular axial fans with sheet steel impeller and external rotor motors with incorporated thermal protector.

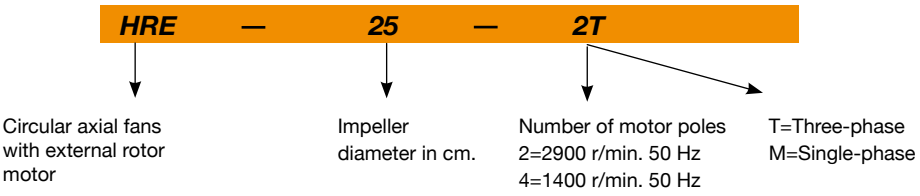
Fan:
- Support ring in sheet steel
- Sheet steel impeller
- Protection guard, meets UNE 100250 standard
- Airflow direction from motor to impeller

Motor:
- Class F external rotor motors, IP54 protection
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.
- Working temperature: -25ºC.+ 50ºC.

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

On request:
- Motor, impeller and guard unit (version F)
- Motor-impeller unit, version G
- Special windings for different voltages

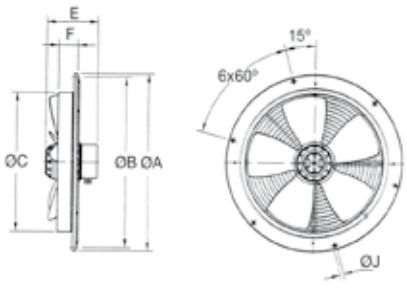
Order code



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)
HRE-25-2T	2590	0.61	0.35	0.12	1500	69	4.0
HRE-25-2M	2590	0.85		0.12	1500	69	4.0
HRE-25-4T	1410	0.55	0.32	0.05	1000	55	4.0
HRE-25-4M	1410	0.35		0.05	1000	55	4.0
HRE-31-2T	2620	0.73	0.42	0.15	2430	71	4.4
HRE-31-2M	2620	1.00		0.15	2430	71	4.4
HRE-31-4T	1340	0.55	0.32	0.06	1700	60	4.2
HRE-31-4M	1340	0.35		0.06	1700	60	4.2
HRE-35-4T	1340	0.61	0.35	0.10	2250	64	5.4
HRE-35-4M	1340	0.65		0.10	2250	64	5.4

Dimensions in mm

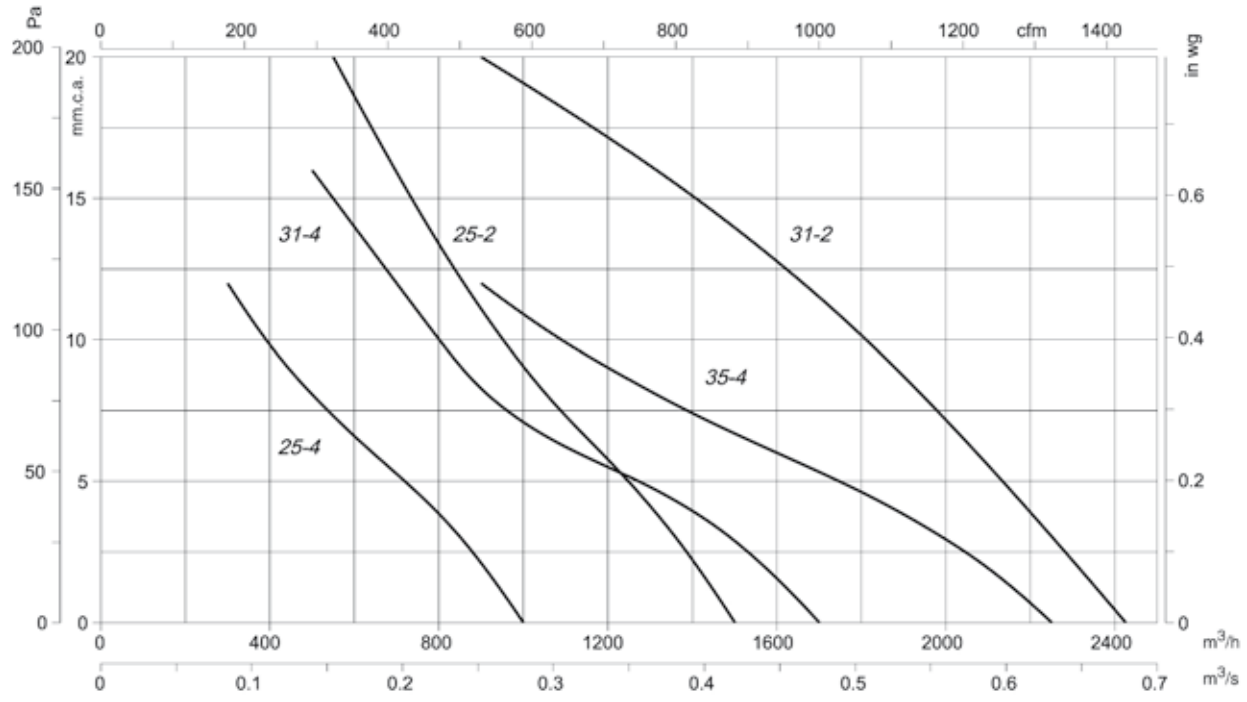


Model	ØA	ØB	ØC	E	F	ØJ
HRE-25-2T	320	300	260	145	42	7
HRE-25-2M	320	300	260	145	42	7
HRE-25-4T	320	300	260	145	42	7
HRE-25-4M	320	300	260	145	42	7
HRE-31-2T	397	366	310	152	50	9.5
HRE-31-2M	397	366	310	152	50	9.5
HRE-31-4T	397	366	310	152	50	9.5
HRE-31-4M	397	366	310	152	50	9.5
HRE-35-4T	460	426	360	145	50	9.5
HRE-35-4M	460	426	360	145	50	9.5

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


RM


PL


P


SI

HCH
HFT
HCT

Robust wall-mounted axial or long-cased fans

Robust wall-mounted axial or long-cased fans, PL version supplied with plastic impeller and AL version supplied with aluminium impeller

Fan:
- Airflow direction from motor to impeller
- PL version impellers in polyamide 6 reinforced with fibreglass and AL version in cast aluminium HCT-40-2T and HCT-45-2T models only in AL version
- HCH: Support ring in sheet steel
- HFT: Support ring in sheet steel with double clamp and packing boxes for cable entry
- HCT: Sheet steel long casing with external terminal board

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.

On request:
- Airflow direction from impeller to motor.
- 100% reversible impellers
- Special windings for different voltages.
- ATEX certification, Category 2


HCH


HFT


HCT

Order code

HCH — 40 — 2T — 1,5 — PL

HCH: Robust wall-mounted axial fans
HFT: Support ring in sheet steel with double clamp
HCT: Robust long-cased axial fans

Impeller diameter in cm.

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
12=500 r/min. 50 Hz

T=Three-phase
M=Single-phase

Motor power (C.V.)

PL=Plastic impeller
AL=Aluminium impeller

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) HCH	HCT
	HCT	25-2T	2775	0.58	0.34		0.12	1940	64		7
	HCT	25-2M	2775	0.90			0.12	1940	64		7
	HCT	25-4T	1445	0.57	0.33		0.06	980	50		7
	HCT	25-4M	1445	0.58			0.06	980	50		7
	HCT	31-2T	2750	1.12	0.65		0.18	2900	70		8
	HCT	31-2M	2700	1.45			0.18	2900	70		8
	HCT	31-4T	1450	0.60	0.34		0.08	1550	52		8
	HCT	31-4M	1450	0.65			0.08	1550	52		8
HCH	HCT	35-2T	2800	2.15	1.25		0.37	5750	77	9	12
	HCT	35-2M	2750	2.90			0.37	5750	77		12
HCH	HCT	35-4T	1440	0.64	0.37		0.10	3100	59	7	10
	HCT	35-4M	1440	0.67			0.10	3100	59		10
HCH	HCT	40-2T-1,5	2900	4.68	2.70		1.10	8750	84	17	25
HCH	HCT	40-4T-0,33	1450	1.58	0.91		0.25	5100	64	13	21
	HCT	45-2T-2	2900	5.89	3.40		1.50	10300	86		31
	HCT	45-2T-3	2900	8.23	4.75		2.20	12800	88		34
	HCT	45-2/4T-3	2910/1420	-	5.00/1.60		2.20/0.60	12800/6400	88/73		33
HCH	HCT	45-4T-0,5	1450	2.07	1.20		0.37	7100	68	15	24
HCH	HCT	45-4M-0,5	1450	3.10			0.37	7100	68	15	24
HCH			950	1.47	0.85		0.25	4750	55	14	
HCH			950	1.30			0.25	4750	55	15	
	HCT	50-4T-0,75	1450	3.00	1.73		0.55	10300	70		28
HCH HFT	HCT	56-4T-0,75	1450	3.12	1.80		0.55	11000	72	21	33

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) HCH	HCT
HCH	HFT	HCT	56-4M-0,75	1450	4.40			0.55	11000	72	21	33
HCH	HFT	HCT	56-4T-1	1450	3.46	2.00		0.75	12900	73	22	34
HCH	HFT	HCT	56-4/8T-1	1430/710	-	2.15/0.90		0.75/0.15	12900/6450	73/58	23	35
HCH	HFT	HCT	56-4T-1,5	1450	5.20	3.00		1.10	14000	74	26	37
HCH	HFT	HCT	56-4/8T-1,5	1440/710	-	3.15/1.30		1.10/0.25	14000/7000	74/59	24	35
HCH	HFT	HCT	56-4T-2	1450	6.41	3.70		1.50	15300	75	28	39
HCH	HFT	HCT	56-4/8T-2	1420/700	-	3.50/1.50		1.50/0.37	15300/7650	75/60	28	39
HCH	HFT	HCT	56-6T -0,33	950	1.47	0.85		0.25	8400	61	18	30
HCH	HFT	HCT	56-6M -0,33	950	1.85			0.25	8400	61	19	31
HCH	HFT	HCT	56-6T -0,5	950	2.11	1.22		0.37	9300	61	20	32
HCH	HFT	HCT	56-6T -0,75	950	2.96	1.71		0.55	10000	62	22	34
HCH	HFT	HCT	63-4T-1	1450	3.46	2.00		0.75	14100	73	27	42
HCH	HFT	HCT	63-4/8T-1	1430/710	-	2.15/0.90		0.75/0.15	14100/7050	73/58	27	43
HCH	HFT	HCT	63-4T-1,5	1450	5.20	3.00		1.10	17000	74	30	45
HCH	HFT	HCT	63-4/8T-1,5	1440/710	-	3.15/1.30		1.10/0.25	17000/8500	74/59	29	44
HCH	HFT	HCT	63-4T-2	1450	6.41	3.70		1.50	18900	75	33	48
HCH	HFT	HCT	63-4/8T-2	1420/700	-	3.50/1.50		1.50/0.37	18900/9450	75/60	32	48
HCH	HFT	HCT	63-4T-3	1450	8.49	4.9		2.20	22000	76	41	57
HCH	HFT	HCT	63-4/8T-3	1430/710	-	4.90/1.70		2.20/0.45	22000/11000	76/61	38	54
HCH	HFT	HCT	63-4T-4	1450	11.78	6.80		3.00	25200	77	43	59
HCH	HFT	HCT	63-4/8T-4	1430/710	-	6.50/2.30		3.00/0.60	25200/12600	77/62	42	57
HCH	HFT	HCT	63-6T -0,5	950	2.11	1.22		0.37	12000	64	25	40
HCH	HFT	HCT	63-6M -0,5	950	2.80			0.37	12000	64	25	40
HCH	HFT	HCT	63-6T -0,75	950	2.96	1.71		0.55	12600	65	27	42
HCH	HFT	HCT	63-6T -1	950	3.91	2.26		0.75	13800	66	33	48
HCH	HFT	HCT	63-6/12T-1	935/435	-	2.20/0.87		0.75/0.15	13800/6900	66/51	32	47
HCH	HFT	HCT	71-4T-1,5	1450	5.20	3.00		1.10	19900	78	33	52
HCH	HFT	HCT	71-4/8T-1,5	1440/710	-	3.15/1.30		1.10/0.25	19900/9950	78/63	32	51
HCH	HFT	HCT	71-4T-2	1450	6.41	3.70		1.50	21000	79	36	55
HCH	HFT	HCT	71-4/8T-2	1420/700	-	3.50/1.50		1.50/0.37	21000/10500	79/64	35	54
HCH	HFT	HCT	71-4T-3	1450	8.49	4.90		2.20	24000	81	45	64
HCH	HFT	HCT	71-4/8T-3	1430/710	-	4.90/1.70		2.20/0.45	24000/12000	81/66	42	61
HCH	HFT	HCT	71-4T-4	1450	11.78	6.80		3.00	29400	82	47	66
HCH	HFT	HCT	71-4/8T-4	1430/710	-	6.50/2.30		3.00/0.60	29400/14700	82/67	46	64
HCH	HFT	HCT	71-6T -0,75	950	2.96	1.71		0.55	15000	67	29	49
HCH	HFT	HCT	71-6M -0,75	950	3.80			0.55	15000	67	29	49
HCH	HFT	HCT	71-6T -1	950	3.91	2.26		0.75	17200	68	36	55
HCH	HFT	HCT	71-6/12T-1	950/435	-	2.26/0.87		0.75/0.15	17200/8600	68/53	35	54
HCH	HFT	HCT	71-6T -1,5	950	5.00	2.89		1.10	21100	69	38	57
HCH	HFT	HCT	71-6/12T-1,5	950/470	-	3.00/1.15		1.10/0.18	21100/10550	69/54	37	56
HCH	HFT	HCT	80-4T-3	1450	8.49	4.90		2.20	29500	82	53	72
HCH	HFT	HCT	80-4/8T-3	1430/710	-	4.90/1.70		2.20/0.45	29500/14750	82/67	50	69
HCH	HFT	HCT	80-4T-4	1450	11.78	6.80		3.00	37000	83	55	74
HCH	HFT	HCT	80-4/8T-4	1430/710	-	6.50/2.30		3.00/0.60	37000/18500	83/68	54	73
HCH	HFT	HCT	80-4T-5,5	1450	15.24	8.80		4.00	40500	84	60	79
HCH	HFT	HCT	80-4/8T-5,5	1430/710	-	8.80/2.90		4.00/0.80	40500/20250	84/69	66	85
HCH	HFT	HCT	80-6T -1	950	4.16	2.40		0.75	23000	71	44	64
HCH	HFT	HCT	80-6/12T-1	950/435	-	2.40/0.87		0.75/0.15	23000/11500	71/56	43	63
HCH	HFT	HCT	80-6T -1,5	950	5.80	3.35		1.10	26000	72	46	66
HCH	HFT	HCT	80-6/12T-1,5	950/470	-	3.35/1.15		1.10/0.18	26000/13000	72/57	45	65
HCH	HFT	HCT	80-6T -2	950	7.62	4.40		1.50	29700	73	52	71
HCH	HFT	HCT	80-6/12T-2	970/470	-	4.60/1.90		1.50/0.25	29700/14850	73/58	62	81
HCH	HFT	HCT	80-6T -3	950	9.35	5.40		2.20	33500	74	57	76
HCH	HFT	HCT	80-6/12T-3	940/470	-	5.60/2.20		2.20/0.37	33500/16750	74/59	62	81
HCH	HFT	HCT	80-8T-0,5	720	2.77	1.60		0.37	16500	69	43	63
HCH	HFT	HCT	80-8T-0,75	720	3.26	1.88		0.55	19500	70	45	65
HCH	HFT	HCT	80-8T-1	720	4.23	2.44		0.75	22000	71	50	69
HCH	HFT	HCT	90-4T-4	1450	11.95	6.90		3.00	40000	87	62	90
HCH	HFT	HCT	90-4/8T-4	1430/710	-	6.90/2.30		3.00/0.60	40000/20000	87/72	61	88
HCH	HFT	HCT	90-4T-5,5	1450	15.24	8.80		4.00	46500	89	67	95
HCH	HFT	HCT	90-4/8T-5,5	1450/710	-	8.80/2.90		4.00/0.80	46500/23250	89/74	73	101
HCH	HFT	HCT	90-4T-7,5	1450	-	12.40	7.20	5.50	51000	91	83	109
HCH	HFT	HCT	90-4/8T-7,5	1460/725	-	12.50/4.10		5.50/1.10	51000/25500	91/76	93	119
HCH	HFT	HCT	90-4T-10	1450	-	15.60	9.00	7.50	54700	92	94	120
HCH	HFT	HCT	90-4/8T-10	1460/725	-	15.30/5.40		7.50/1.50	54700/27350	92/77	98	124

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) HCH	HCT
HCH	HFT	HCT	90-6T -2	950	7.62	4.40		1.50	34300	77	59	87
HCH	HFT	HCT	90-6/12T-2	970/470	-	4.60/1.90		1.50/0.25	34300/17150	77/62	69	97
HCH	HFT	HCT	90-6T -3	950	9.35	5.40		2.20	38000	78	64	92
HCH	HFT	HCT	90-6/12T-3	940/470	-	5.60/2.20		2.20/0.37	38000/19000	78/63	69	97
HCH	HFT	HCT	90-6T -4	950	12.66	7.31		3.00	42400	79	88	114
HCH	HFT	HCT	90-6/12T-4	960/470	-	8.20/3.40		3.00/0.55	42400/21200	79/64	87	113
HCH	HFT	HCT	90-8T-1	720	4.23	2.44		0.75	22500	71	57	85
HCH	HFT	HCT	90-8T-1,5	720	5.99	3.46		1.10	24000	72	60	88
HCH	HFT	HCT	90-8T-2	720	7.36	4.25		1.50	26000	73	71	99
HCH	HFT	HCT	90-8T-3	720	9.75	5.63		2.20	30000	74	98	124
HCH	HFT	HCT	100-4T-7,5	1450	-	11.90	6.90	5.50	54000	92	91	121
HCH	HFT	HCT	100-4/8T-7,5	1460/725	-	12.50/4.10		5.50/1.10	54000/27000	92/77	101	128
HCH	HFT	HCT	100-4T-10	1450	-	16.90	9.80	7.50	63000	93	102	131
HCH	HFT	HCT	100-4/8T-10	1460/725	-	16.90/5.40		7.50/1.50	63000/31500	93/78	106	135
HCH	HFT	HCT	100-4T-15	1460	-	22.50	13.00	11.00	68000	94	125	160
HCH	HFT	HCT	100-4/8T-15	1460/735	-	21.00/7.40		10.50/2.20	68000/34000	94/79	125	160
HCH	HFT	HCT	100-4T-20	1455	-	30.00	17.30	15.00	72000	95	144	179
HCH	HFT	HCT	100-4/8T-20	1460/735	-	30.00/9.50		15.50/2.70	72000/36000	95/80	140	175
HCH	HFT	HCT	100-6T -3	950	10.05	5.80		2.20	43000	82	72	103
HCH	HFT	HCT	100-6/12T-3	940/470	-	5.80/2.20		2.20/0.37	43000/21500	82/67	77	108
HCH	HFT	HCT	100-6T -4	950	12.66	7.31		3.00	47000	83	96	125
HCH	HFT	HCT	100-6/12T-4	960/470	-	8.20/3.40		3.00/0.55	47000/23500	83/68	95	124
HCH	HFT	HCT	100-6T -5,5	950	15.76	9.10		4.00	53000	84	104	133
HCH	HFT	HCT	100-6/12T-5,5	970/480	-	11.00/4.00		4.00/0.65	53000/26500	84/69	100	129
HCH	HFT	HCT	100-8T-1,5	720	6.32	3.65		1.10	32500	76	67	99
HCH	HFT	HCT	100-8T-2	720	7.36	4.25		1.50	33900	77	79	110
HCH	HFT	HCT	100-8T-3	720	9.75	5.63		2.20	35000	77	106	135
HCH	HFT	HCT	100-8T-4	720	12.51	7.22		3.00	38000	78	114	143

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	35	50	69	68	69	68	63	54
25-4	21	36	55	54	55	54	49	40
31-2	41	56	75	74	75	74	69	60
31-4	23	38	57	56	57	56	51	42
35-2	48	63	82	81	82	81	76	67
35-4	30	45	64	63	64	63	58	49
40-2	55	70	89	88	89	88	83	74
40-4	35	50	69	68	69	68	63	54
45-2-2	51	68	80	88	93	93	89	82
45-2-3	53	70	82	90	95	95	91	84
45-4-3 (2v)	38	55	67	75	80	80	76	69
45-4-0,5	33	50	62	70	75	75	71	64
45-6	20	37	49	57	62	62	58	51
50-4	37	54	67	74	79	80	75	68
56-4-0,75	47	67	75	80	82	79	72	61
56-4-1	48	68	76	81	83	80	73	62
56-8-1 (2v)	33	53	61	66	68	65	58	47
56-4-1,5	49	69	77	82	84	81	74	63
56-8-1,5 (2v)	34	54	62	67	69	66	59	48
56-4-2	50	70	78	83	85	82	75	64
56-8-2 (2v)	35	55	63	68	70	67	60	49
56-6-0,33	36	56	64	69	71	68	61	50
56-6-0,5	36	56	64	69	71	68	61	50
56-6-0,75	37	57	65	70	72	69	62	51
63-4-1	50	70	78	83	85	82	75	64
63-8-1 (2v)	35	55	63	68	70	67	60	49
63-4-1,5	51	71	79	84	86	83	76	65
63-8-1,5 (2v)	36	56	64	69	71	68	61	50
63-4-2	52	72	80	85	87	84	77	66
63-8-2 (2v)	37	57	65	70	72	69	62	51
63-4-3	53	73	81	86	88	85	78	67
63-8-3 (2v)	38	58	66	71	73	70	63	52
63-4-4	54	74	82	87	89	86	79	68
63-8-4 (2v)	39	59	67	72	74	71	64	53
63-6-0,5	41	61	69	74	76	73	66	55
63-6-0,75	42	62	70	75	77	74	67	56
63-6-1	43	63	71	76	78	75	68	57
63-12-1 (2v)	28	48	56	61	63	60	53	42

Model	63	125	250	500	1000	2000	4000	8000
71-4-1,5	55	75	83	88	90	87	80	69
71-8-1,5 (2v)	40	60	68	73	75	72	65	54
71-4-2	56	76	84	89	91	88	81	70
71-8-2 (2v)	41	61	69	74	76	73	66	55
71-4-3	58	78	86	91	93	90	83	72
71-8-3 (2v)	43	63	71	76	78	75	68	57
71-4-4	59	79	87	92	94	91	84	73
71-8-4 (2v)	44	64	72	77	79	76	69	58
71-6-0,75	44	64	72	77	79	76	69	58
71-6-1	45	65	73	78	80	77	70	59
71-12-1 (2v)	30	50	58	63	65	62	55	44
71-6-1,5	46	66	74	79	81	78	71	60
71-12-1,5 (2v)	31	51	59	64	66	63	56	45
80-4-3	59	79	87	92	94	91	84	73
80-8-3 (2v)	44	64	72	77	79	76	69	58
80-4-4	60	80	88	93	95	92	85	74
80-8-4 (2v)	45	65	73	78	80	77	70	59
80-4-5,5	61	81	89	94	96	93	86	75
80-8-5,5 (2v)	46	66	74	79	81	78	71	60
80-6-1	48	68	76	81	83	80	73	62
80-12-1 (2v)	33	53	61	66	68	65	58	47
80-6-1,5	49	69	77	82	84	81	74	63
80-12-1,5 (2v)	34	54	62	67	69	66	59	48
80-6-2	50	70	78	83	85	82	75	64
80-12-2 (2v)	35	55	63	68	70	67	60	49
80-6-3	51	71	79	84	86	83	76	65
80-12-3 (2v)	36	56	64	69	71	68	61	50
80-8-0,5	46	66	74	79	81	78	71	60
80-8-0,75	47	67	75	80	82	79	72	61
80-8-1	48	68	76	81	83	80	73	62
90-4-4	65	86	93	98	101	97	90	79
90-8-4 (2v)	50	71	78	83	86	82	75	64
90-4-5,5	67	88	95	100	103	99	92	81
90-8-5,5 (2v)	52	73	80	85	88	84	77	66
90-4-7,5	69	90	97	102	105	101	94	83
90-8-7,5 (2v)	54	75	82	87	90	86	79	68
90-4-10	70	91	98	103	106	102	95	84
90-8-10 (2v)	55	76	83	88	91	87	80	69

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.

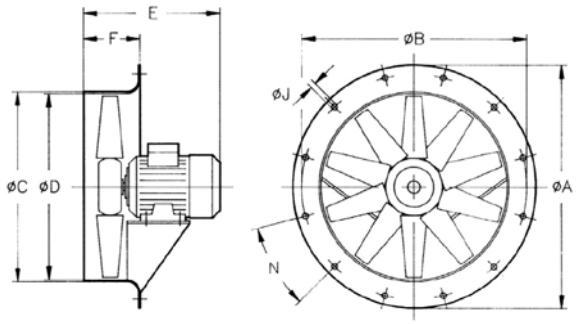
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
90-6-2	55	76	83	88	91	87	80	69
90-12-2 (2v)	40	61	68	73	76	72	65	54
90-6-3	56	77	84	89	92	88	81	70
90-12-3 (2v)	41	62	69	74	77	73	66	55
90-6-4	57	78	85	90	93	89	82	71
90-12-4 (2v)	42	63	70	75	78	74	67	56
90-8-1	49	70	77	82	85	81	74	63
90-8-1,5	50	71	78	83	86	82	75	64
90-8-2	51	72	79	84	87	83	76	65
90-8-3	52	73	80	85	88	84	77	66
100-4-7,5	72	92	100	105	107	104	97	86
100-8-7,5 (2v)	57	77	85	90	92	89	82	71
100-4-10	73	93	101	106	108	105	98	87
100-8-10 (2v)	58	78	86	91	93	90	83	72

Model	63	125	250	500	1000	2000	4000	8000
100-4-15	74	94	102	107	109	106	99	88
100-8-15 (2v)	59	79	87	92	94	91	84	73
100-4-20	75	95	103	108	110	107	100	89
100-8-20 (2v)	60	80	88	93	95	92	85	74
100-6-3	62	82	90	95	97	94	87	76
100-12-3 (2v)	47	67	75	80	82	79	72	61
100-6-4	63	83	91	96	98	95	88	77
100-12-4 (2v)	48	68	76	81	83	80	73	62
100-6-5,5	64	84	92	97	99	96	89	78
100-12-5,5 (2v)	49	69	77	82	84	81	74	63
100-8-1,5	56	76	84	89	91	88	81	70
100-8-2	57	77	85	90	92	89	82	71
100-8-3	57	77	85	90	92	89	82	71
100-8-4	58	78	86	91	93	90	83	72

Dimensions in mm

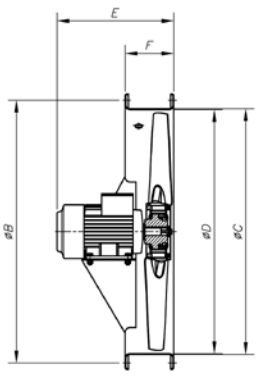
HCH

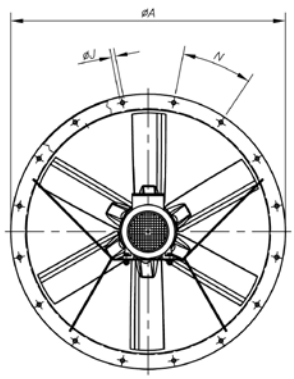


Model	ØA	ØB	ØC	ØD	E 0,16	0,33	0,5	0,75	1	1,5	2	3	4	5,5	7,5	10	15	20	F	ØJ	N
HCH-35-2	425	395	358	355	-	-	285	-	-	-	-	-	-	-	-	-	-	-	110	10	8 X 45°
HCH-35-4	425	395	358	355	257	-	-	-	-	-	-	-	-	-	-	-	-	-	110	10	8 X 45°
HCH-40-2	490	450	414	410	-	-	-	-	-	314	-	-	-	-	-	-	-	-	120	12	8 X 45°
HCH-40-4	490	450	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-80-8	900	860	805	800	-	-	380	380	410	-	-	-	-	-	-	-	-	-	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-90-8	1015	970	906	900	-	-	-	-	410	410	395	460	-	-	-	-	-	-	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'
HCH-100-8	1115	1070	1006	1000	-	-	-	-	-	405	405	470	470	-	-	-	-	-	200	15	16 X 22°30'

Dimensions in mm

HFT





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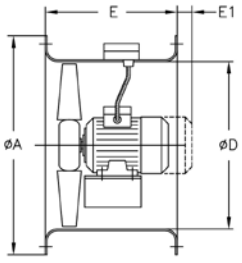
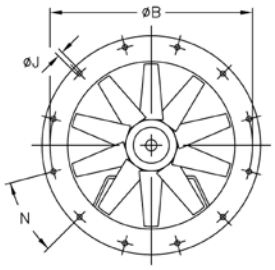
Model	**øA**	**øB**	**øC**	**øD**	**0,33**	**0,5**	**0,75**	**1**	**1,5**	**2**	**3**	**4**	**5,5**	**7,5**	**10**	**15**	**20**	**F**	**øJ**	**N**
HFT-56-4	660	620	564	560	-	-	344	344	376	376	-	-	-	-	-	-	-	150	12	12x30°
HFT-56-6	660	620	564	560	310	344	344	-	-	-	-	-	-	-	-	-	-	150	12	12x30°
HFT-63-4	730	690	645	640	-	-	-	325	398	398	430	430	-	-	-	-	-	150	12	12x30°
HFT-63-6	730	690	645	640	-	325	325	398	-	-	-	-	-	-	-	-	-	150	12	12x30°
HFT-71-4	810	770	715	710	-	-	-	-	400	400	440	440	-	-	-	-	-	150	12	16x22°30'
HFT-71-6	810	770	715	710	-	-	325	400	400	-	-	-	-	-	-	-	-	150	12	16x22°30'
HFT-80-4	900	860	805	800	-	-	-	-	-	-	425	425	445	-	-	-	-	180	12	16x22°30'
HFT-80-6	900	860	805	800	-	-	-	390	390	425	445	-	-	-	-	-	-	180	12	16x22°30'
HFT-80-8	900	860	805	800	-	390	390	425	-	-	-	-	-	-	-	-	-	180	12	16x22°30'
HFT-90-4	1015	970	906	900	-	-	-	-	-	-	-	430	440	470	470	-	-	180	15	16x22°30'
HFT-90-6	1015	970	906	900	-	-	-	-	-	430	440	470	-	-	-	-	-	180	15	16x22°30'
HFT-90-8	1015	970	906	900	-	-	-	430	430	440	470	-	-	-	-	-	-	180	15	16x22°30'
HFT-100-4	1115	1070	1006	1000	-	-	-	-	-	-	-	-	-	485	485	590	590	200	15	16x22°30'
HFT-100-6	1115	1070	1006	1000	-	-	-	-	-	-	440	485	485	-	-	-	-	200	15	16x22°30'
HFT-100-8	1115	1070	1006	1000	-	-	-	-	420	440	485	485	-	-	-	-	-	200	15	16x22°30'

HCT

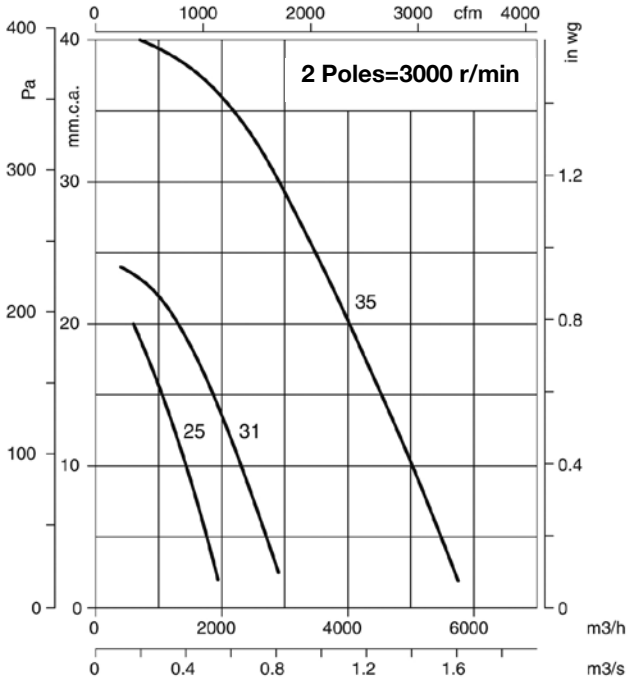


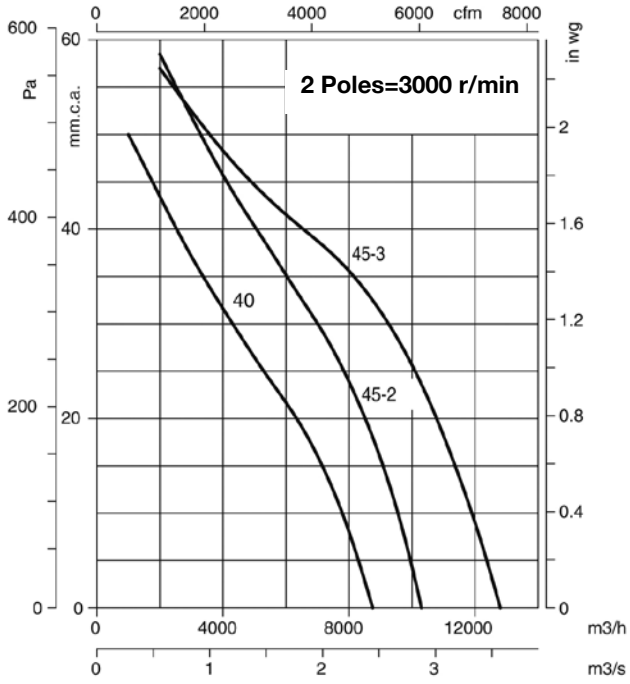


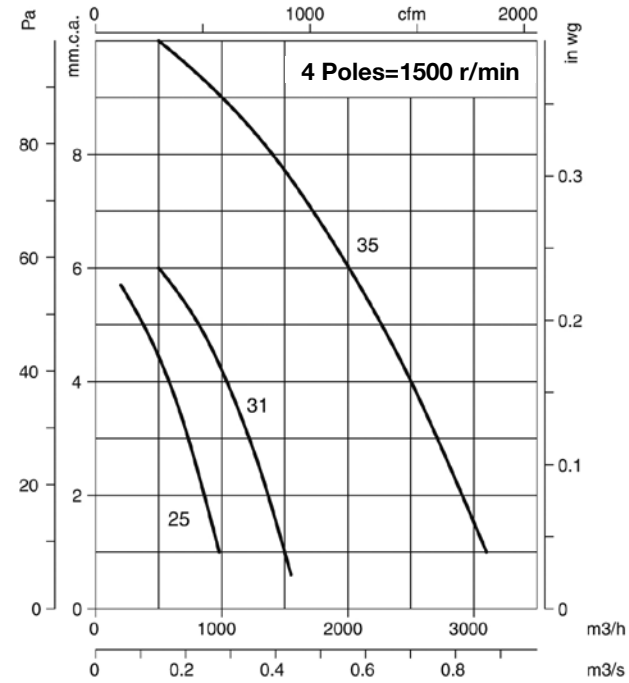
Model	**ØA**	**ØB**	**ØD**	**E**	**E1**	**ØJ**	**N**
HCT-25	310	280	240	230	10	10	4x90°
HCT-31	350	320	280	270	-	10	4x90°
HCT-35	425	395	355	280	-	10	8x45°
HCT-40	490	450	410	320	-	12	8x45°
HCT-45	540	500	460	360	-	12	8x45°
HCT-50	600	560	514	360	-	12	12x30°
HCT-56	660	620	560	400	-	12	12x30°
HCT-63	730	690	640	430	-	12	12x30°
HCT-71	810	770	710	500	-	12	16x22°30'
HCT-80	900	860	800	500	-	12	16x22°30'
HCT-90	1015	970	900	500	-	15	16x22°30'
HCT-100	1115	1070	1000	550	-	15	16x22°30'
HCT-100-4T-15	1115	1070	1000	650	-	15	16x22°30'
HCT-100-4T-20	1115	1070	1000	650	-	15	16x22°30'

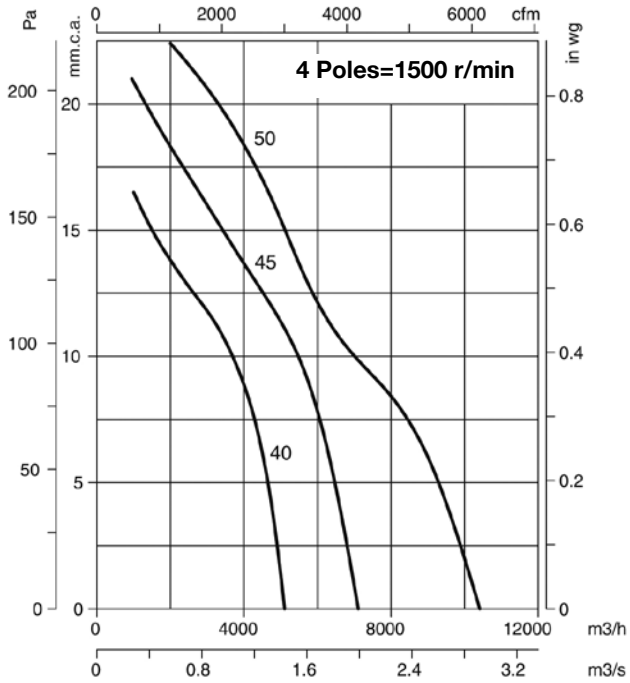
Characteristic curves

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



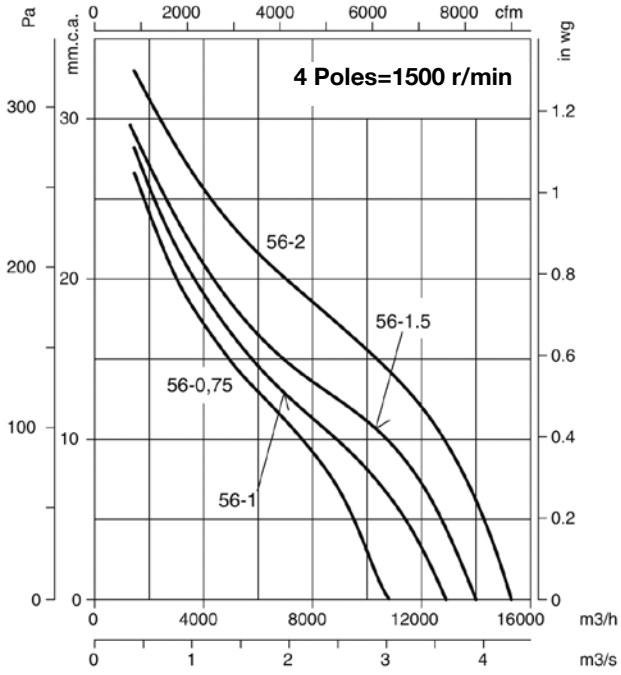


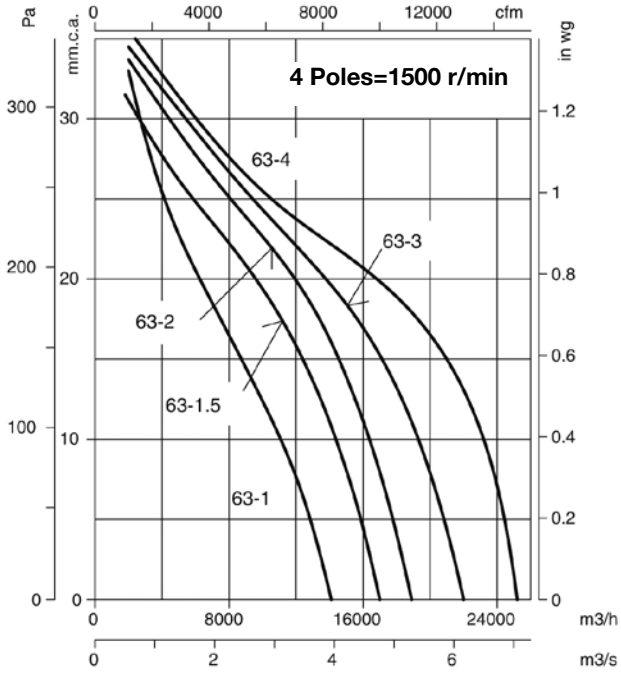


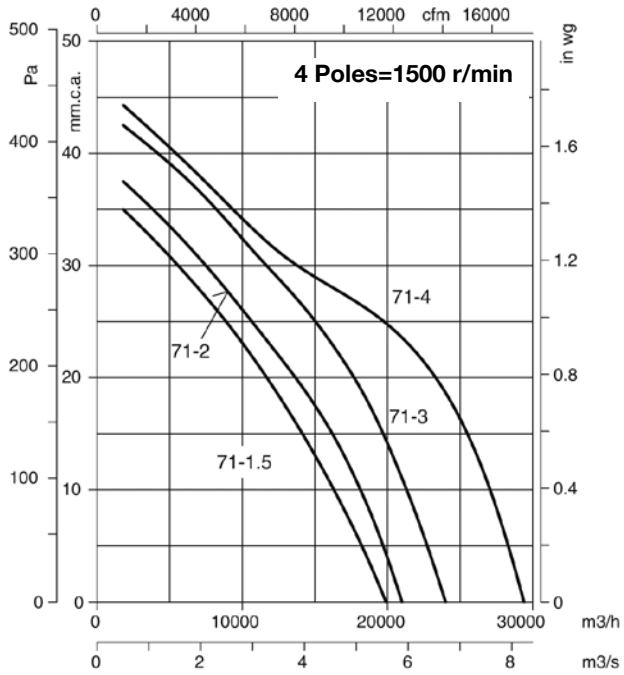


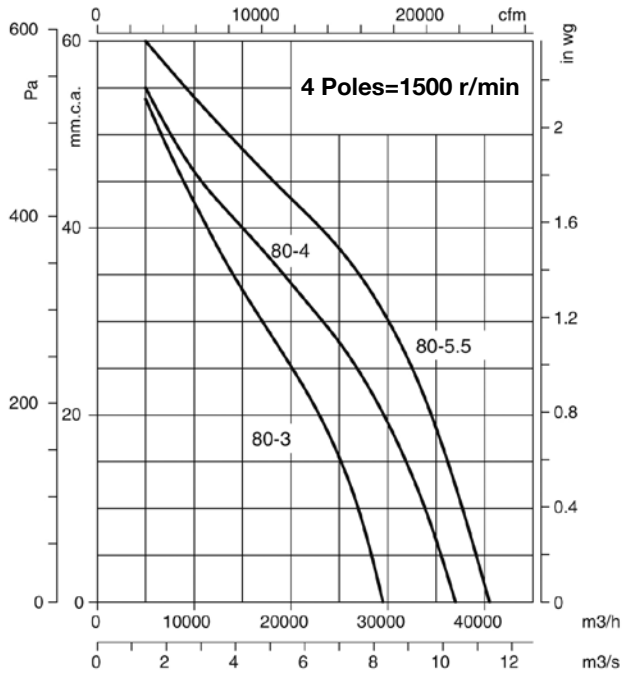
Characteristic curves

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



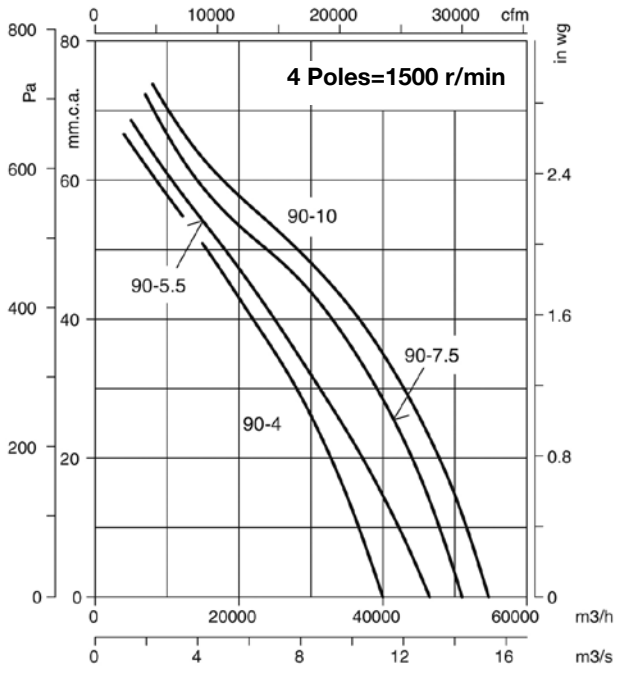


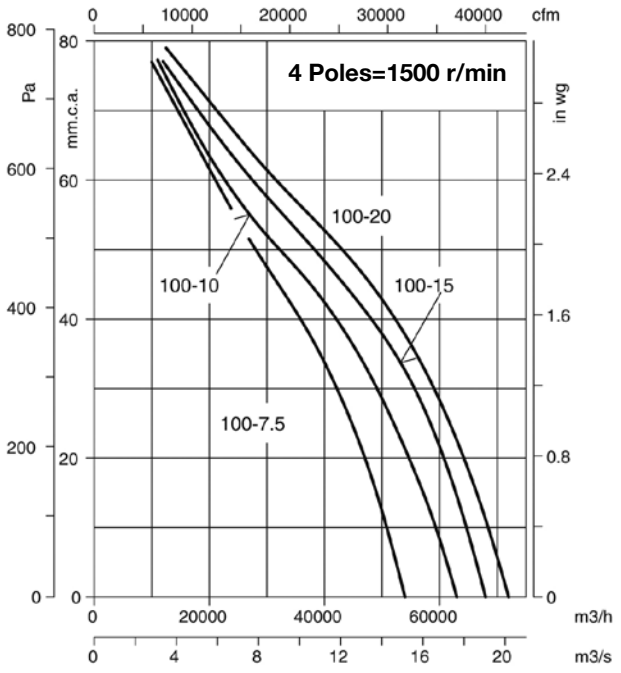


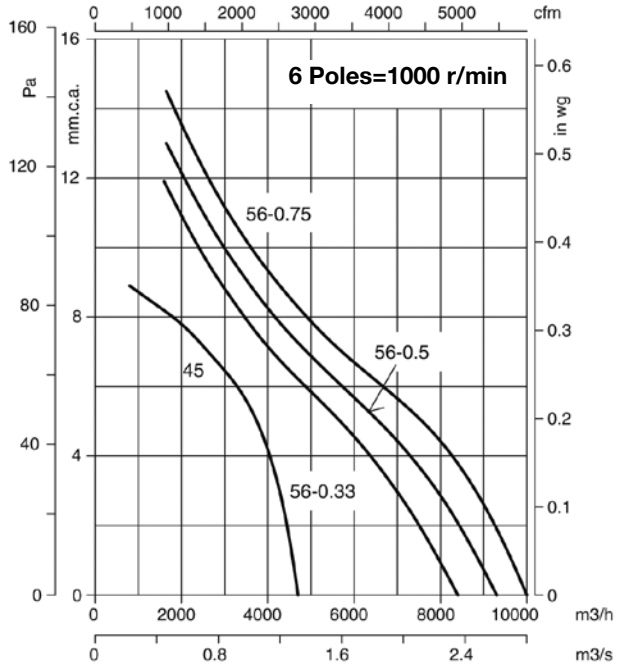


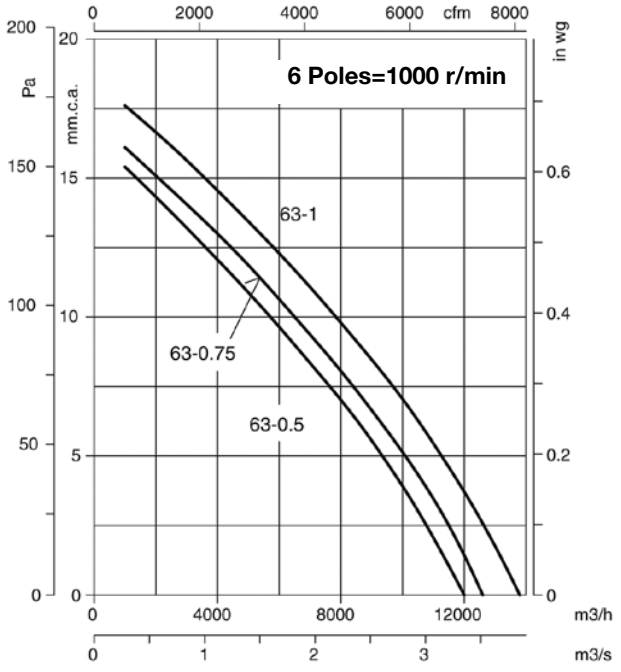
Characteristic curves

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



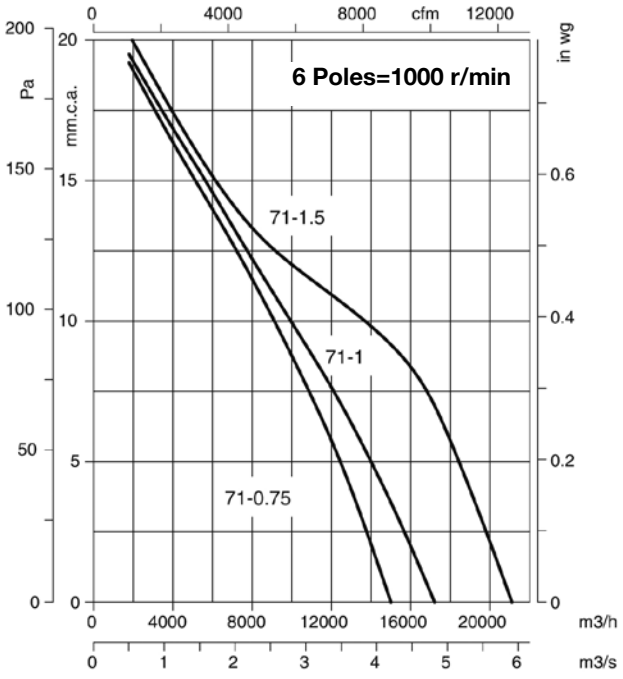


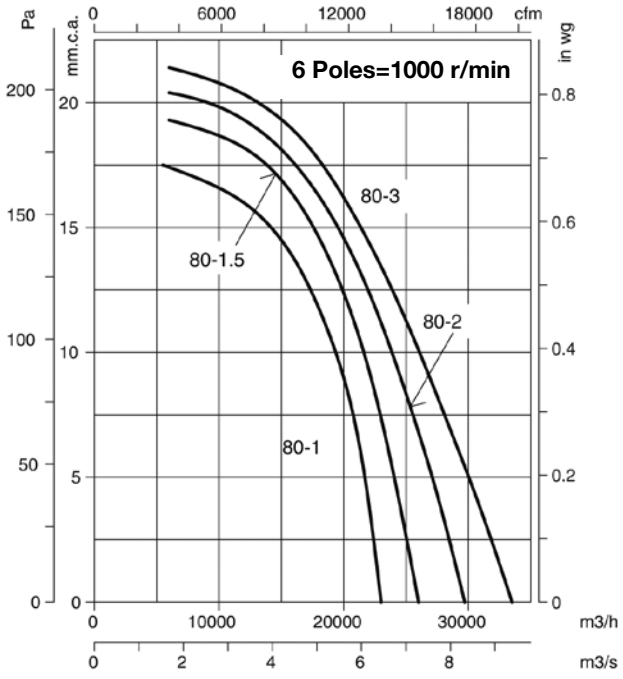


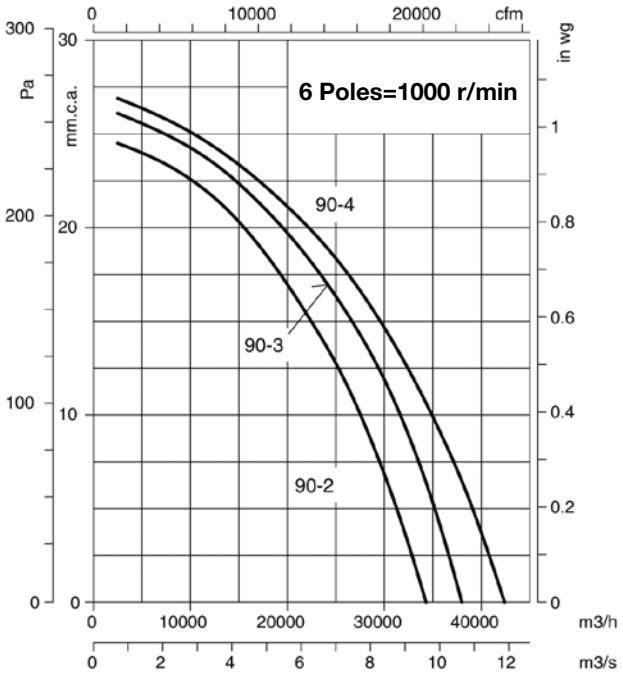


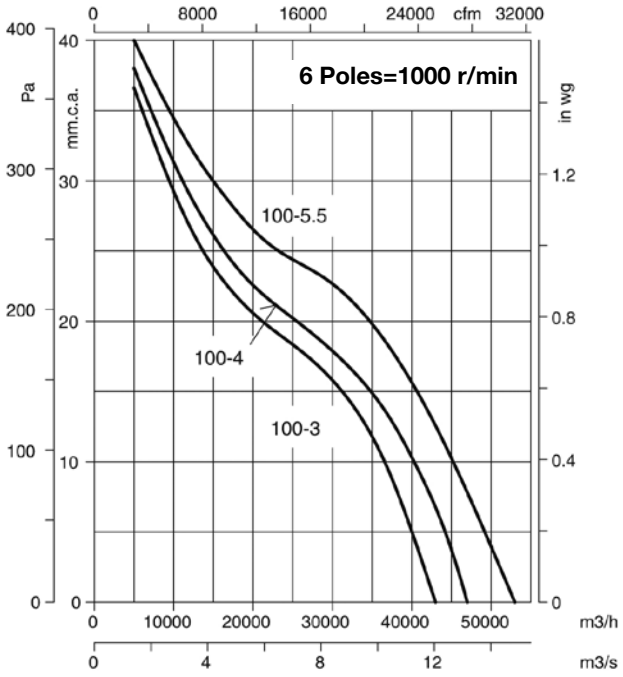
Characteristic curves

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



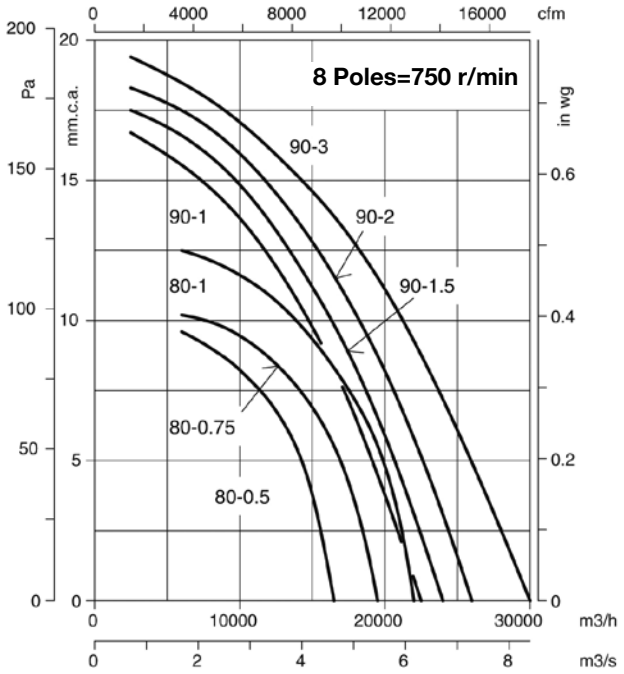


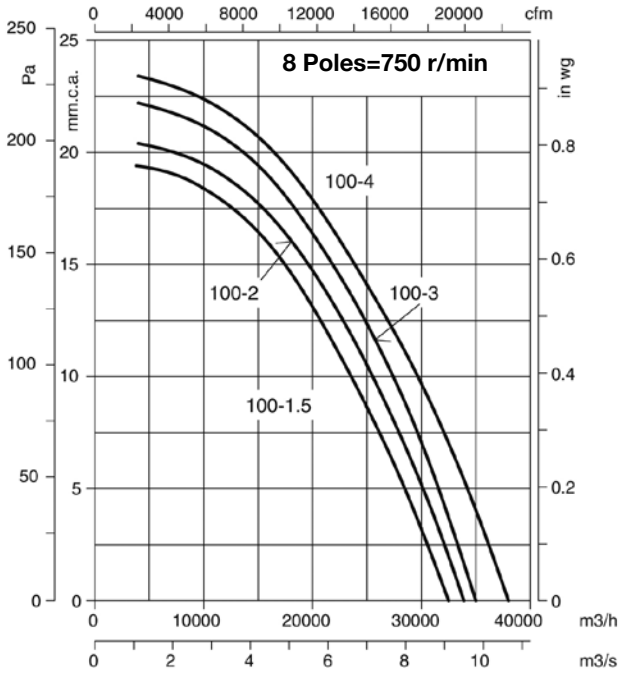


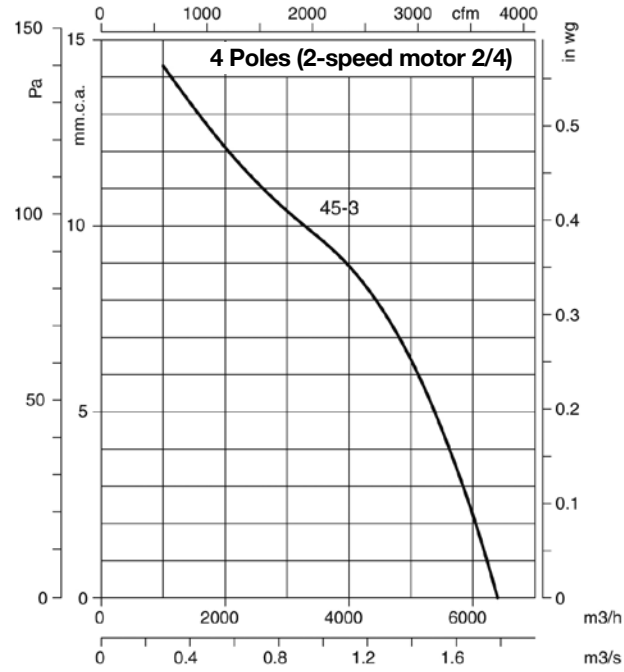


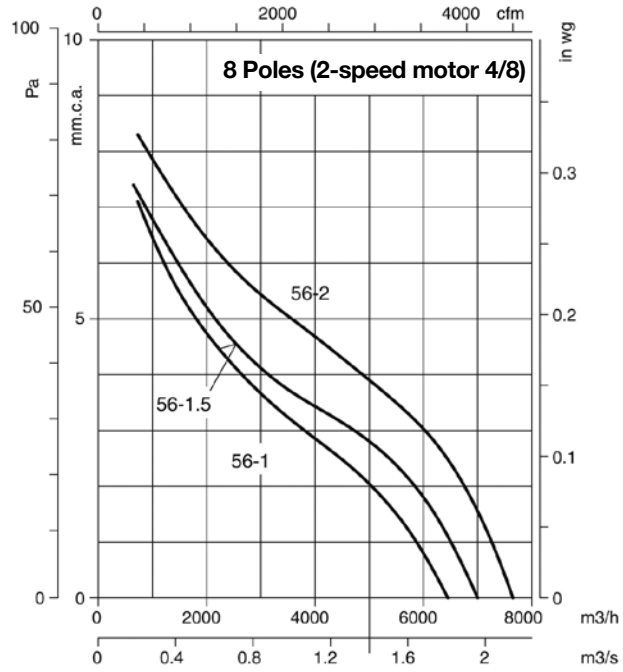
Characteristic curves

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



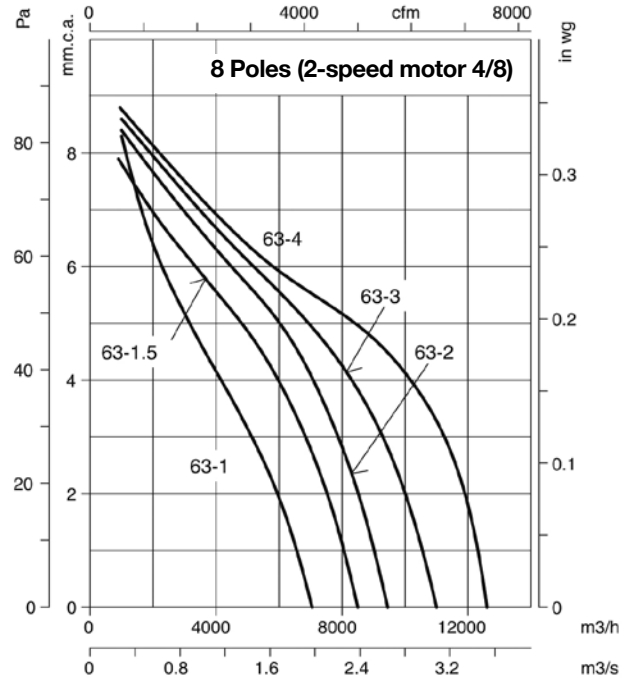


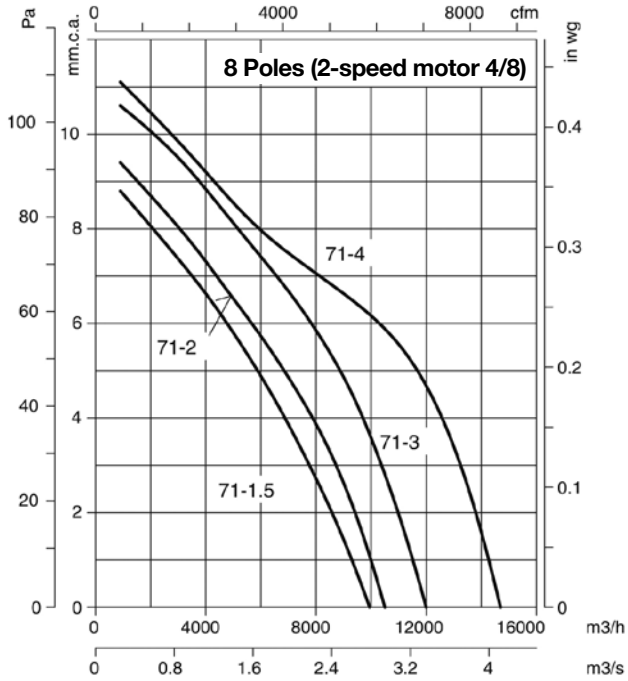


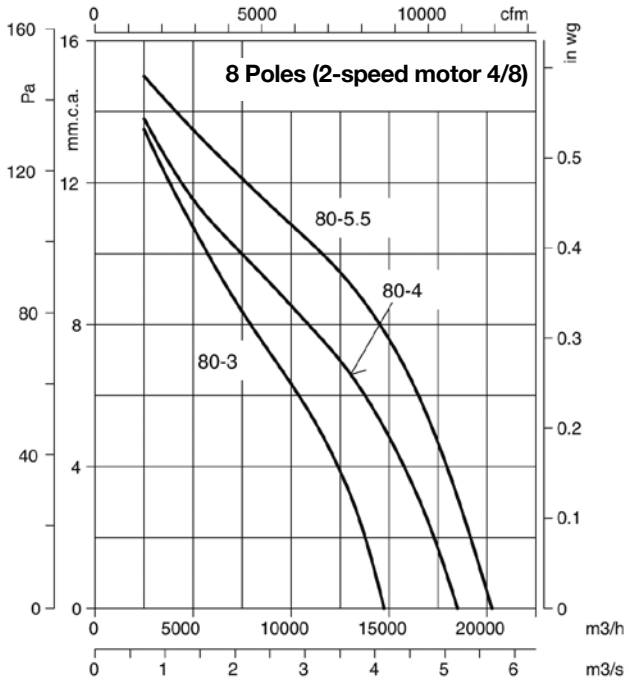


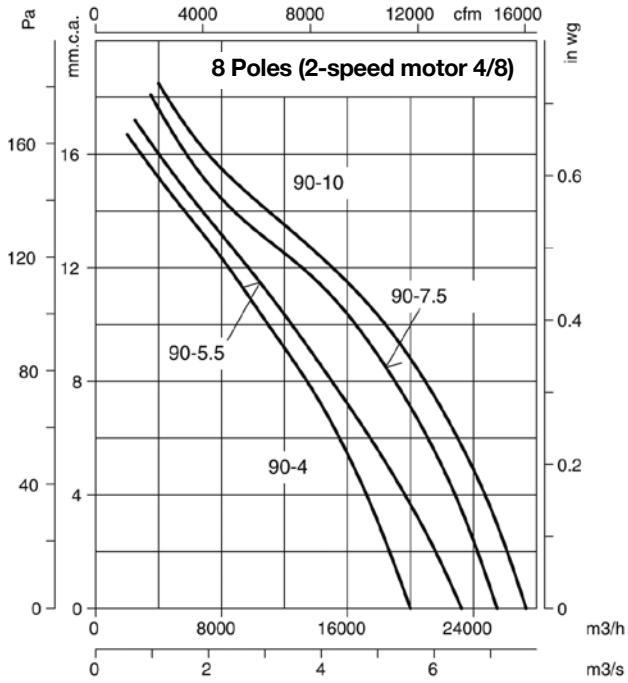
Characteristic curves

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



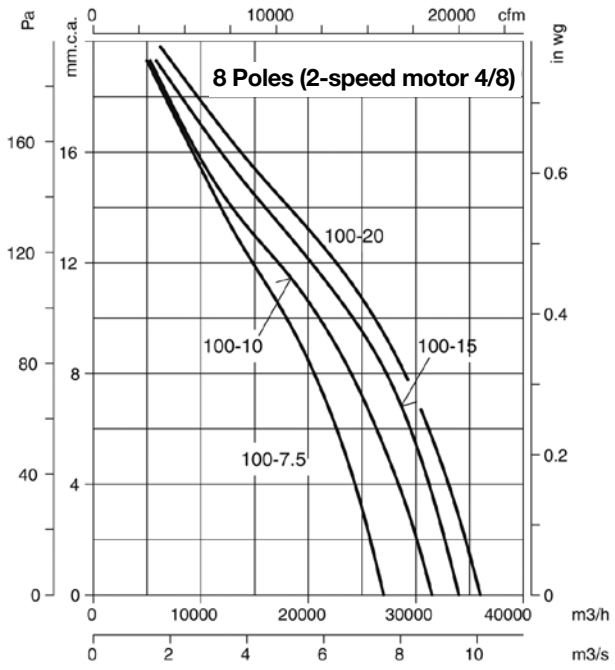


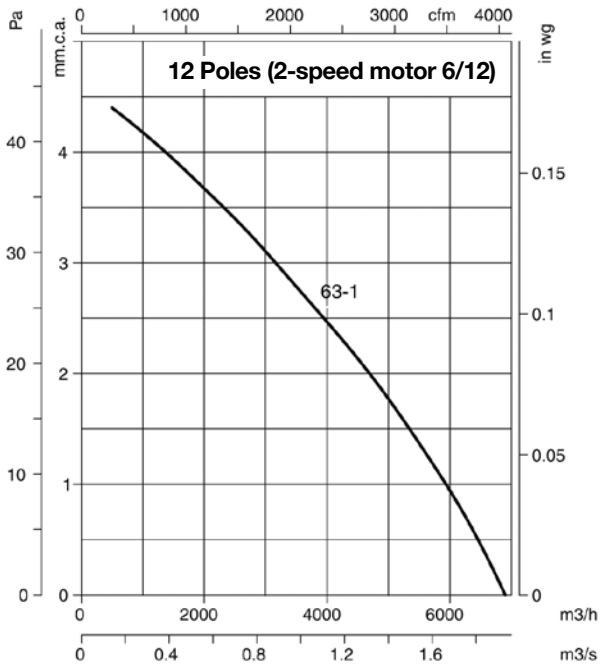


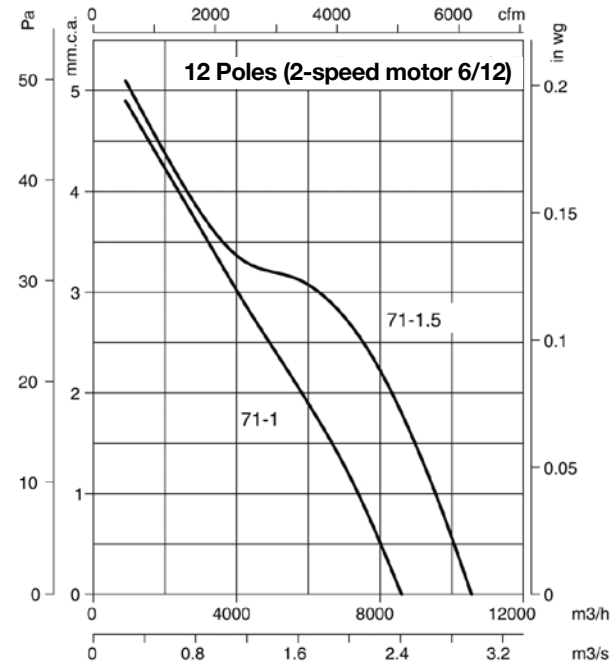


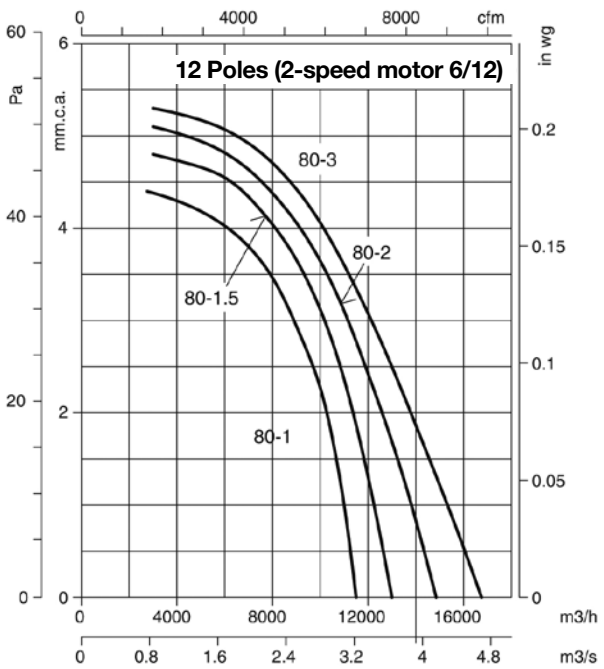
Characteristic curves

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



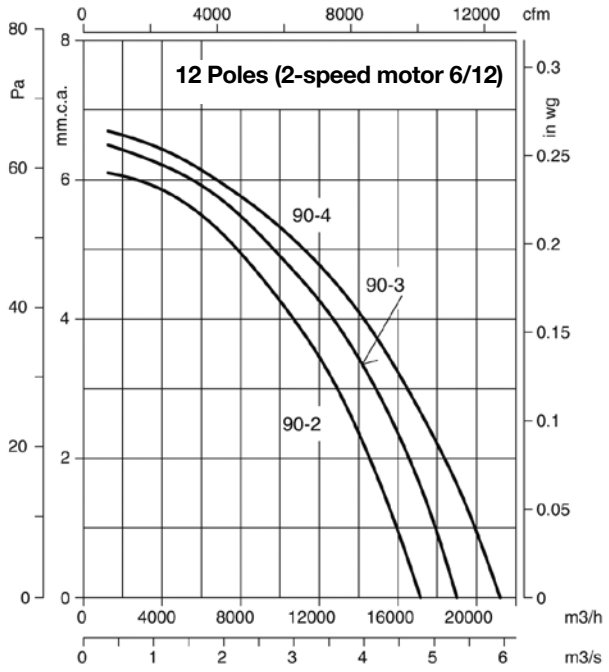


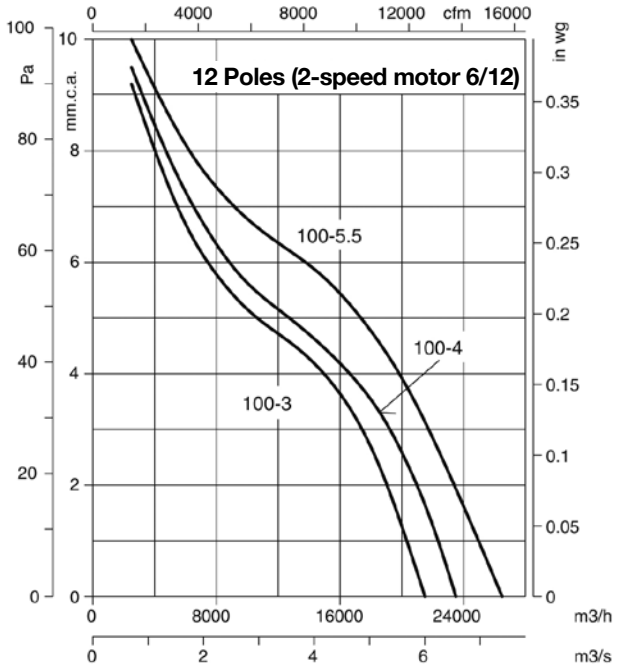




Characteristic curves

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





Accessories

See accessories section.

INT RM AR C2V RFT/ RFM PANELS PL P R RI RT BTUB BAC PS

S SI

CJHCH

Axial ventilation units with soundproofed box

Ventilation units with internal soundproofing, with dismountable inspection hatches.

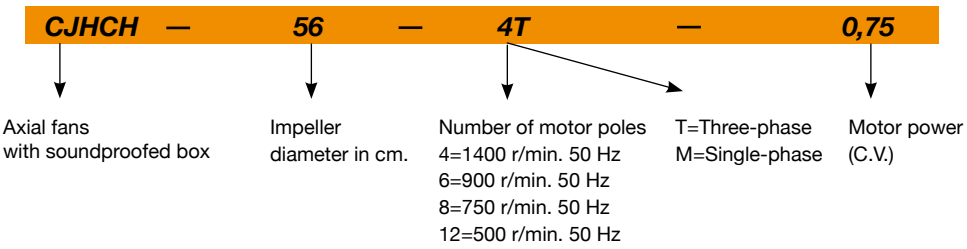
Fan:
- Galvanised steel structure with thermal insulation and soundproofing
- Impellers in polyamide 6 reinforced with fibre glass
- Ventilation units designed for working in both horizontal and vertical positions
- Airflow direction from motor to impeller

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP55 protection, except single-phase models 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 galvanized sheet steel.

On request:
- AL version cast aluminium impellers
- Airflow direction from impeller to motor.
- 100% reversible impellers.
- Special windings for different voltages

Order code



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)
CJHCH-56-4T-0,75	1450	3.12	1.80		0.55	11000	69	52.1
CJHCH-56-4M-0,75	1450	4.40			0.55	11000	69	52.1
CJHCH-56-4T-1	1450	3.46	2.00		0.75	12900	70	53.1
CJHCH-56-4/8T-1	1430 / 710		2.15 /0.90		0.75 /0.15	12900 /6450	70 /55	54.0
CJHCH-56-4T-1,5	1450	5.20	3.00		1.10	14000	71	56.8
CJHCH-56-4/8T-1,5	1440 / 710		3.15 /1.30		1.10 /0.25	14000 /7000	71 /56	55.3
CJHCH-56-4T-2	1450	6.41	3.70		1.50	15300	72	59.3
CJHCH-56-4/8T-2	1420 / 700		3.50 /1.50		1.50 /0.37	15300 /7650	72 /57	59.0
CJHCH-56-6T-0,33	950	1.47	0.85		0.25	8400	59	48.8
CJHCH-56-6M-0,33	950	1.85			0.25	8400	59	49.8
CJHCH-56-6T-0,5	950	2.11	1.22		0.37	9300	59	51.1
CJHCH-56-6T-0,75	950	2.96	1.71		0.55	10000	60	53.1
CJHCH-63-4T-1	1450	3.46	2.00		0.75	14100	70	57.5
CJHCH-63-4/8T-1	1430 / 710		2.15 /0.90		0.75 /0.15	14100 /7050	70 /55	58.4
CJHCH-63-4T-1,5	1450	5.20	3.00		1.10	17000	71	61.2
CJHCH-63-4/8T-1,5	1440 / 710		3.15 /1.30		1.10 /0.25	17000 /8500	71 /56	59.7
CJHCH-63-4T-2	1450	6.41	3.70		1.50	18900	72	63.7
CJHCH-63-4/8T-2	1420 / 700		3.50 /1.50		1.50 /0.37	18900 /9450	72 /57	63.4
CJHCH-63-4T-3	1450	8.49	4.90		2.20	22000	73	72.4
CJHCH-63-4/8T-3	1430 / 710		4.90 /1.70		2.20 /0.45	22000 /11000	73 /58	69.4
CJHCH-63-4T-4	1450	11.78	6.80		3.00	25200	74	74.4
CJHCH-63-4/8T-4	1430 / 710		6.50 /2.30		3.00 /0.60	25200 /12600	74 /59	72.8
CJHCH-63-6T-0,5	950	2.11	1.22		0.37	12000	62	55.5
CJHCH-63-6M-0,5	950	2.80			0.37	12000	62	55.5
CJHCH-63-6T-0,75	950	2.96	1.71		0.55	12600	63	57.5
CJHCH-63-6T-1	950	3.91	2.26		0.75	13800	64	64.2
CJHCH-63-6/12T-1	935 / 435		2.20 /0.87		0.75 /0.15	13800 /6900	64 /49	63.2

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)
CJHCH-71-4T-1,5	1450	5.20	3.00		1.10	19900	75	77.3
CJHCH-71-4/8T-1,5	1440 / 710		3.15 / 1.30		1.10 / 0.25	19900 / 9950	75 / 60	75.8
CJHCH-71-4T-2	1450	6.41	3.70		1.50	21000	76	79.8
CJHCH-71-4/8T-2	1420 / 700		3.50 / 1.50		1.50 / 0.37	21000 / 10500	76 / 61	79.5
CJHCH-71-4T-3	1450	8.49	4.90		2.20	24000	78	89.3
CJHCH-71-4/8T-3	1430 / 710		4.90 / 1.70		2.20 / 0.45	24000 / 12000	78 / 63	86.3
CJHCH-71-4T-4	1450	11.78	6.80		3.00	29400	79	91.3
CJHCH-71-4/8T-4	1430 / 710		6.50 / 2.30		3.00 / 0.60	29400 / 14700	79 / 64	89.7
CJHCH-71-6T-0,75	950	2.96	1.71		0.55	15000	65	73.2
CJHCH-71-6M-0,75	950	3.80			0.55	15000	65	73.2
CJHCH-71-6T-1	950	3.91	2.26		0.75	17200	66	80.3
CJHCH-71-6/12T-1	950 / 435		2.26 / 0.87		0.75 / 0.15	17200 / 8600	66 / 51	79.3
CJHCH-71-6T-1,5	950	5.00	2.89		1.10	21100	67	82.3
CJHCH-71-6/12T-1,5	950 / 470		3.00 / 1.15		1.10 / 0.18	21100 / 10550	67 / 52	81.3
CJHCH-80-4T-3	1450	8.49	4.90		2.20	29500	79	97.3
CJHCH-80-4/8T-3	1430 / 710		4.90 / 1.70		2.20 / 0.45	29500 / 14750	79 / 64	94.3
CJHCH-80-4T-4	1450	11.78	6.80		3.00	37000	80	99.3
CJHCH-80-4/8T-4	1430 / 710		6.50 / 2.30		3.00 / 0.60	37000 / 18500	80 / 65	97.7
CJHCH-80-4T-5,5	1450	15.24	8.80		4.00	40500	81	104.2
CJHCH-80-4/8T-5,5	1430 / 710		8.80 / 2.90		4.00 / 0.80	40500 / 20250	81 / 66	110.2
CJHCH-80-6T-1	950	4.16	2.40		0.75	23000	69	88.3
CJHCH-80-6/12T-1	950 / 435		2.40 / 0.87		0.75 / 0.15	23000 / 11500	69 / 54	87.3
CJHCH-80-6T-1,5	950	5.80	3.35		1.10	26000	70	90.3
CJHCH-80-6/12T-1,5	950 / 470		3.35 / 1.15		1.10 / 0.18	26000 / 13000	70 / 55	89.3
CJHCH-80-6T-2	950	7.62	4.40		1.50	29700	71	96.3
CJHCH-80-6/12T-2	970 / 470		4.60 / 1.90		1.50 / 0.25	29700 / 14850	71 / 56	106.2
CJHCH-80-6T-3	950	9.35	5.40		2.20	33500	72	101.2
CJHCH-80-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	33500 / 16750	72 / 57	106.2
CJHCH-80-8T-0,5	720	2.77	1.60		0.37	16500	67	87.3
CJHCH-80-8T-0,75	720	3.26	1.88		0.55	19500	68	89.3
CJHCH-80-8T-1	720	4.23	2.44		0.75	22000	69	94.3
CJHCH-90-4T-4	1450	11.95	6.90		3.00	40000	84	123.2
CJHCH-90-4/8T-4	1430 / 710		6.90 / 2.30		3.00 / 0.60	40000 / 20000	84 / 69	121.6
CJHCH-90-4T-5,5	1450	15.24	8.80		4.00	46500	86	128.1
CJHCH-90-4/8T-5,5	1450 / 710		8.80 / 2.90		4.00 / 0.80	46500 / 23250	86 / 71	134.1
CJHCH-90-4T-7,5	1450		12.40	7.20	5.50	51000	88	143.5
CJHCH-90-4/8T-7,5	1460 / 725		12.50 / 4.10		5.50 / 1.10	51000 / 25500	88 / 73	153.5
CJHCH-90-4T-10	1450		15.60	9.00	7.50	54700	89	154.5
CJHCH-90-4/8T-10	1460 / 725		15.30 / 5.40		7.50 / 1.50	54700 / 27350	89 / 74	158.5
CJHCH-90-6T-2	950	7.62	4.40		1.50	34300	75	120.2
CJHCH-90-6/12T-2	970 / 470		4.60 / 1.90		1.50 / 0.25	34300 / 17150	75 / 60	130.1
CJHCH-90-6T-3	950	9.35	5.40		2.20	38000	76	125.1
CJHCH-90-6/12T-3	940 / 470		5.60 / 2.20		2.20 / 0.37	38000 / 19000	76 / 61	130.1
CJHCH-90-6T-4	950	12.66	7.31		3.00	42400	77	148.5
CJHCH-90-6/12T-4	960 / 470		8.20 / 3.40		3.00 / 0.55	42400 / 21200	77 / 62	147.5
CJHCH-90-8T-1	720	4.23	2.44		0.75	22500	69	118.2
CJHCH-90-8T-1,5	720	5.99	3.46		1.10	24000	70	121.2
CJHCH-90-8T-2	720	7.36	4.25		1.50	26000	71	132.1
CJHCH-90-8T-3	720	9.75	5.63		2.20	30000	72	158.5
CJHCH-100-4T-7,5	1450		11.90	6.90	5.50	54000	89	152.1
CJHCH-100-4/8T-7,5	1460 / 725		12.50 / 4.10		5.50 / 1.10	54000 / 27000	89 / 74	162.1
CJHCH-100-4T-10	1450		16.90	9.80	7.50	63000	90	163.1
CJHCH-100-4/8T-10	1460 / 725		16.90 / 5.40		7.50 / 1.50	63000 / 31500	90 / 75	167.1
CJHCH-100-4T-15	1460		22.50	13.00	11.00	68000	91	185.7
CJHCH-100-4/8T-15	1460 / 735		21.00 / 7.40		10.50 / 2.20	68000 / 34000	91 / 76	185.7
CJHCH-100-4T-20	1455		30.00	17.30	15.00	72000	92	204.7
CJHCH-100-4/8T-20	1460 / 735		30.00 / 9.50		15.50 / 2.70	72000 / 36000	92 / 77	200.7
CJHCH-100-6T-3	950	10.05	5.80		2.20	43000	80	133.0
CJHCH-100-6/12T-3	940 / 470		5.80 / 2.20		2.20 / 0.37	43000 / 21500	80 / 65	138.0
CJHCH-100-6T-4	950	12.66	7.31		3.00	47000	81	157.1
CJHCH-100-6/12T-4	960 / 470		8.20 / 3.40		3.00 / 0.55	47000 / 23500	81 / 66	156.1
CJHCH-100-6T-5,5	950	15.76	9.10		4.00	53000	82	165.1
CJHCH-100-6/12T-5,5	970 / 480		11.00 / 4.00		4.00 / 0.65	53000 / 26500	82 / 67	161.1
CJHCH-100-8T-1,5	720	6.32	3.65		1.10	32500	74	128.3
CJHCH-100-8T-2	720	7.36	4.25		1.50	33900	75	140.0
CJHCH-100-8T-3	720	9.75	5.63		2.20	35000	75	167.1
CJHCH-100-8T-4	720	12.51	7.22		3.00	38000	76	175.1

Acoustic features

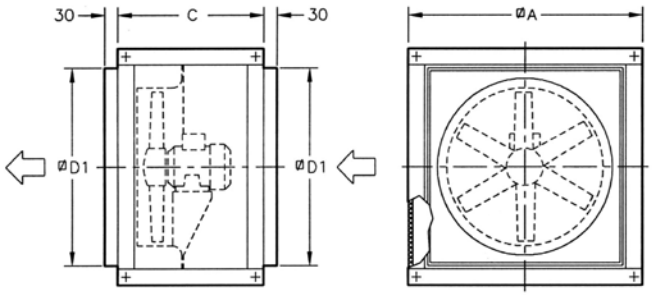
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000
56-4-0,75	44	64	72	77	79	76	69	58
56-4-1	45	65	73	78	80	77	70	59
56-8-1 (2v)	30	50	58	63	65	62	55	44
56-4-1,5	46	66	74	79	81	78	71	60
56-8-1,5 (2v)	31	51	59	64	66	63	56	45
56-4-2	47	67	75	80	82	79	72	61
56-8-2 (2v)	32	52	60	65	67	64	57	46
56-6-0,33	34	54	62	67	69	66	59	48
56-6-0,5	34	54	62	67	69	66	59	48
56-6-0,75	35	55	63	68	70	67	60	49
63-4-1	47	67	75	80	82	79	72	61
63-8-1 (2v)	32	52	60	65	67	64	57	46
63-4-1,5	48	68	76	81	83	80	73	62
63-8-1,5 (2v)	33	53	61	66	68	65	58	47
63-4-2	49	69	77	82	84	81	74	63
63-8-2 (2v)	34	54	62	67	69	66	59	48
63-4-3	50	70	78	83	85	82	75	64
63-8-3 (2v)	35	55	63	68	70	67	60	49
63-4-4	51	71	79	84	86	83	76	65
63-8-4 (2v)	36	56	64	69	71	68	61	50
63-6-0,5	39	59	67	72	74	71	64	53
63-6-0,75	40	60	68	73	75	72	65	54
63-6-1	41	61	69	74	76	73	66	55
63-12-1 (2v)	26	46	54	59	61	58	51	40
71-4-1,5	52	72	80	85	87	84	77	66
71-8-1,5 (2v)	37	57	65	70	72	69	62	51
71-4-2	53	73	81	86	88	85	78	67
71-8-2 (2v)	38	58	66	71	73	70	63	52
71-4-3	55	75	83	88	90	87	80	69
71-8-3 (2v)	40	60	68	73	75	72	65	54
71-4-4	56	76	84	89	91	88	81	70
71-8-4 (2v)	41	61	69	74	76	73	66	55
71-6-0,75	42	62	70	75	77	74	67	56
71-6-1	43	63	71	76	78	75	68	57
71-12-1 (2v)	28	48	56	61	63	60	53	42
71-6-1,5	44	64	72	77	79	76	69	58
71-12-1,5 (2v)	29	49	57	62	64	61	54	43
80-4-3	56	76	84	89	91	88	81	70
80-8-3 (2v)	41	61	69	74	76	73	66	55
80-4-4	57	77	85	90	92	89	82	71
80-8-4 (2v)	42	62	70	75	77	74	67	56
80-4-5,5	58	78	86	91	93	90	83	72
80-8-5,5 (2v)	43	63	71	76	78	75	68	57
80-6-1	46	66	74	79	81	78	71	60
80-12-1 (2v)	31	51	59	64	66	63	56	45

Model	63	125	250	500	1000	2000	4000	8000
80-6-1,5	47	67	75	80	82	79	72	61
80-12-1,5 (2v)	32	52	60	65	67	64	57	46
80-6-2	48	68	76	81	83	80	73	62
80-12-2 (2v)	33	53	61	66	68	65	58	47
80-6-3	49	69	77	82	84	81	74	63
80-12-3 (2v)	34	54	62	67	69	66	59	48
80-8-0,5	44	64	72	77	79	76	69	58
80-8-0,75	45	65	73	78	80	77	70	59
80-8-1	46	66	74	79	81	78	71	60
90-4-4	62	83	90	95	98	94	87	76
90-8-4 (2v)	47	68	75	80	83	79	72	61
90-4-5,5	64	85	92	97	100	96	89	78
90-8-5,5 (2v)	49	70	77	82	85	81	74	63
90-4-7,5	66	87	94	99	102	98	91	80
90-8-7,5 (2v)	51	72	79	84	87	83	76	65
90-4-10	67	88	95	100	103	99	92	81
90-8-10 (2v)	52	73	80	85	88	84	77	66
90-6-2	53	74	81	86	89	85	78	67
90-12-2 (2v)	38	59	66	71	74	70	63	52
90-6-3	54	75	82	87	90	86	79	68
90-12-3 (2v)	39	60	67	72	75	71	64	53
90-6-4	55	76	83	88	91	87	80	69
90-12-4 (2v)	40	61	68	73	76	72	65	54
90-8-1	47	68	75	80	83	79	72	61
90-8-1,5	48	69	76	81	84	80	73	62
90-8-2	49	70	77	82	85	81	74	63
90-8-3	50	71	78	83	86	82	75	64
100-4-7,5	69	89	97	102	104	101	94	83
100-8-7,5 (2v)	54	74	82	87	89	86	79	68
100-4-10	70	90	98	103	105	102	95	84
100-8-10 (2v)	55	75	83	88	90	87	80	69
100-4-15	71	91	99	104	106	103	96	85
100-8-15 (2v)	56	76	84	89	91	88	81	70
100-4-20	72	92	100	105	107	104	97	86
100-8-20 (2v)	57	77	85	90	92	89	82	71
100-6-3	60	80	88	93	95	92	85	74
100-12-3 (2v)	45	65	73	78	80	77	70	59
100-6-4	61	81	89	94	96	93	86	75
100-12-4 (2v)	46	66	74	79	81	78	71	60
100-6-5,5	62	82	90	95	97	94	87	76
100-12-5,5 (2v)	47	67	75	80	82	79	72	61
100-8-1,5	54	74	82	87	89	86	79	68
100-8-2	55	75	83	88	90	87	80	69
100-8-3	55	75	83	88	90	87	80	69
100-8-4	56	76	84	89	91	88	81	70

Dimensions in mm



Model	ØA	C	ØD1
CJHCH-56/63	825	550	690
CJHCH-71/80	1000	650	850
CJHCH-90/100	1200	750	1050

Characteristic curves

See HCH-HCT series characteristic curves

Accessories

See accessories section.

INT RM AR C2V RFT/ RFM PANELS PL P RI RT S SI

HTP

High-pressure impeller

Cased high-pressure axial fans

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

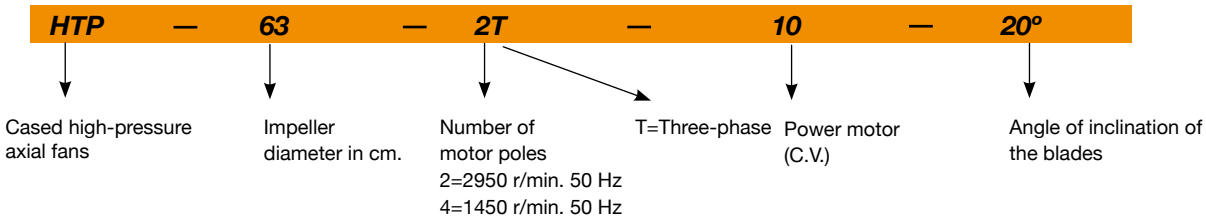
Fan:
- Sheet steel thick long casing
- Motor base welded to the casing
- Guidelines for high aerodynamic performance for pressure gain
- Optimum surface protection by means of high-quality steel.
- High-performance, cast aluminium impeller.
- Airflow direction from impeller to motor
- Electrical connection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

On request:
- Standardised IP-55 motors, ATEX motors and two speeds
- Made entirely from stainless steel.
- Hot-rolled galvanised steel construction

Order code



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-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	132	94
HTP-63-2T-15	2950	-	19,20	11,13	11,00	29400	167	94
HTP-63-2T-20	2950	-	26,00	15,07	15,00	34400	181	97
HTP-63-2T-25	2950	-	31,50	18,26	18,50	37200	199	98
HTP-63-2T-30	2950	-	39,50	22,90	22,00	39800	208	99
HTP-63-4T-1,5	1430	4,17	2,40	-	1,10	12850	92	79
HTP-63-4T-2	1430	5,74	3,30	-	1,50	15650	93	79
HTP-63-4T-3	1450	8,00	4,60	-	2,20	18600	101	83
HTP-63-4T-4	1450	10,96	6,30	-	3,00	19900	104	84
HTP-71-2T-15	2950	-	19,20	11,13	11,00	32850	184	93
HTP-71-2T-20	2950	-	26,00	15,07	15,00	39250	198	95
HTP-71-2T-25	2950	-	31,50	18,26	18,50	43450	216	95
HTP-71-2T-30	2950	-	39,50	22,90	22,00	45500	225	95
HTP-71-2T-40	2950	-	51,60	29,91	30,00	52550	303	98
HTP-71-4T-2	1430	5,74	3,30	-	1,50	17500	110	83
HTP-71-4T-3	1450	8,00	4,60	-	2,20	20650	118	83
HTP-71-4T-4	1450	10,96	6,30	-	3,00	23950	121	84

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-71-4T-5,5	1450	15,30	8,80	-	4,00	27400	127	87
HTP-71-4T-7,5	1450	-	11,20	6,49	5,50	31700	141	90
HTP-80-4T-4	1450	10,96	6,30	-	3,00	19300	146	86
HTP-80-4T-5,5	1450	15,30	8,80	-	4,00	22850	152	86
HTP-80-4T-7,5	1450	-	11,20	6,49	5,50	28000	166	86
HTP-80-4T-10	1450	-	15,30	8,87	7,50	31500	177	87
HTP-80-4T-15	1450	-	20,90	12,12	11,00	40000	217	91
HTP-90-4T-7,5	1450	-	11,20	6,49	5,50	27450	196	90
HTP-90-4T-10	1450	-	15,30	8,87	7,50	32500	207	90
HTP-90-4T-15	1450	-	20,90	12,12	11,00	42200	247	90
HTP-90-4T-20	1450	-	28,50	16,52	15,00	50050	266	94
HTP-90-4T-25	1480	-	34,50	20,00	18,50	54550	294	95
HTP-90-4T-30	1480	-	40,90	23,71	22,00	61750	311	97
HTP-100-4T-15	1450	-	20,90	12,12	11,00	46100	282	93
HTP-100-4T-20	1450	-	28,50	16,52	15,00	56300	301	93
HTP-100-4T-25	1480	-	34,50	20,00	18,50	59900	329	93
HTP-100-4T-30	1480	-	40,90	23,71	22,00	69900	346	96
HTP-100-4T-40	1480	-	55,30	32,06	30,00	80500	401	98
HTP-125-4T-40	1480	-	55,30	32,06	30,00	81000	503	100
HTP-125-4T-50	1480	-	68,00	39,42	37,00	96800	525	100
HTP-125-4T-60	1480	-	81,30	47,13	45,00	105050	558	100
HTP-125-4T-75	1480	-	98,90	57,33	55,00	127800	599	100
HTP-125-4T-100	1480	-	135,00	78,26	75,00	147350	674	104
HTP-125-4T-125	1480	-	163,00	94,49	90,00	156800	703	105

Acoustic features

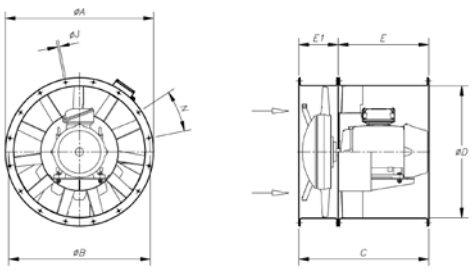
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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	Power	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°

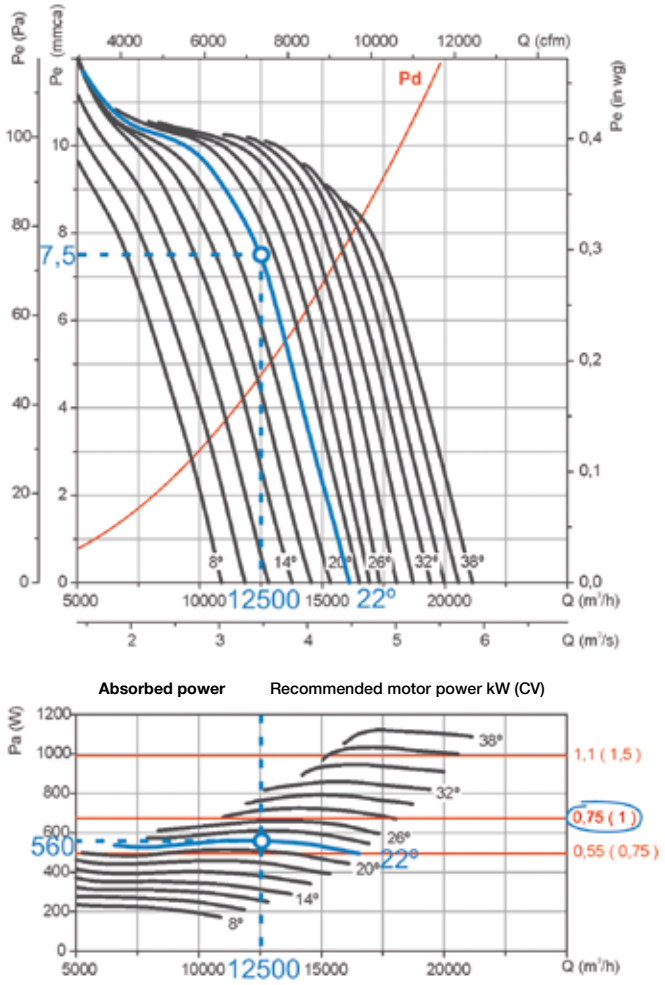
EXAMPLE OF SELECTION

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

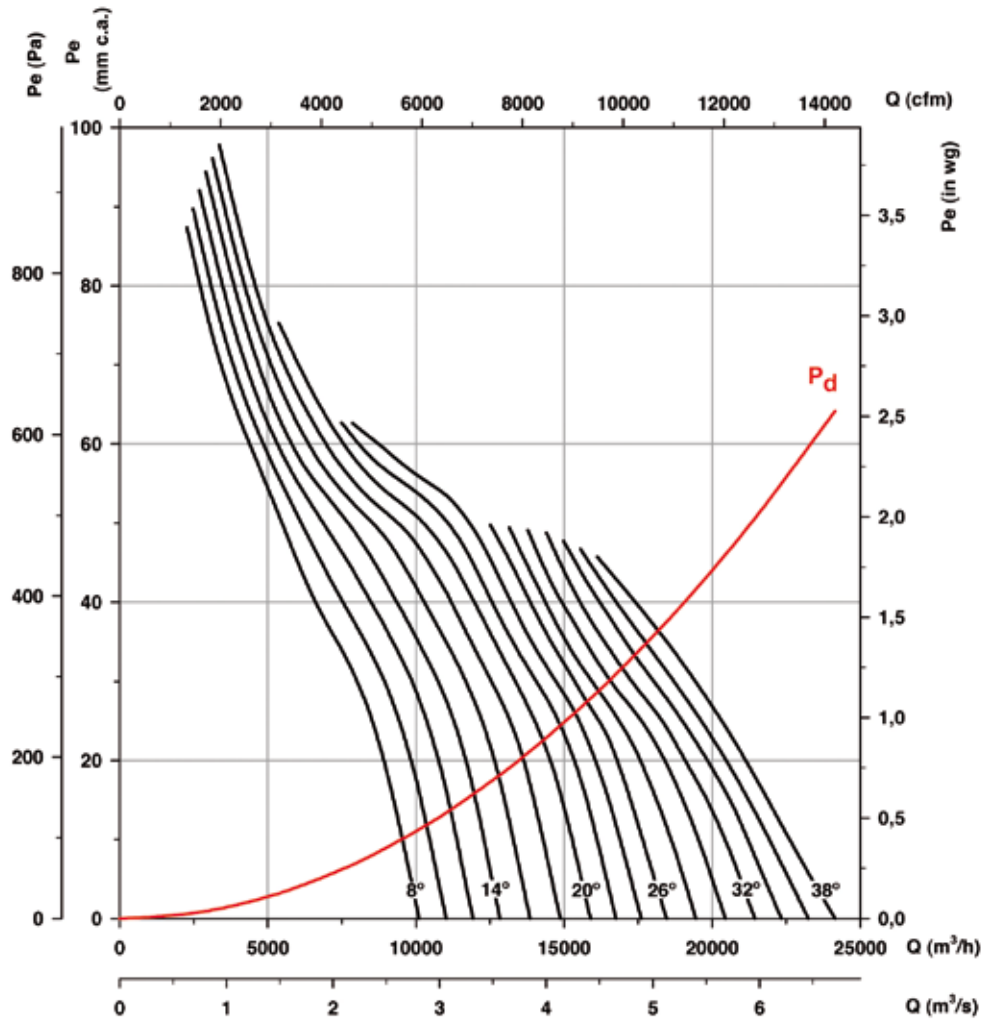
HTP	—	63	—	4T	—	1	—	22º
Cased high-pressure axial fans		Impeller diameter in cm.		Number of motor poles 4=1400 r/min. 50 Hz 6=900 r/min. 50 Hz 8=750 r/min. 50 Hz		T=Three-phase M=Single-phase		Motor power (C.V.)		Angle of inclination of the blades

Characteristic curves

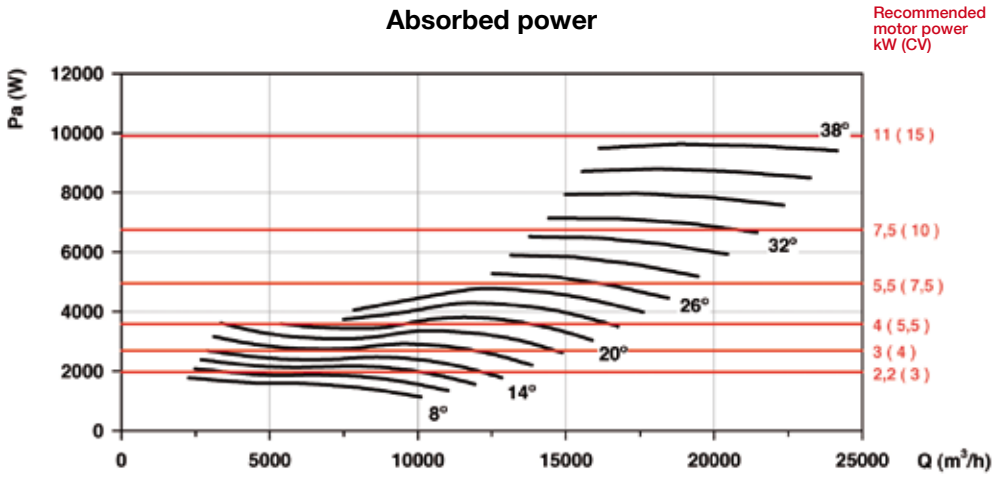
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-50-2T



Absorbed power

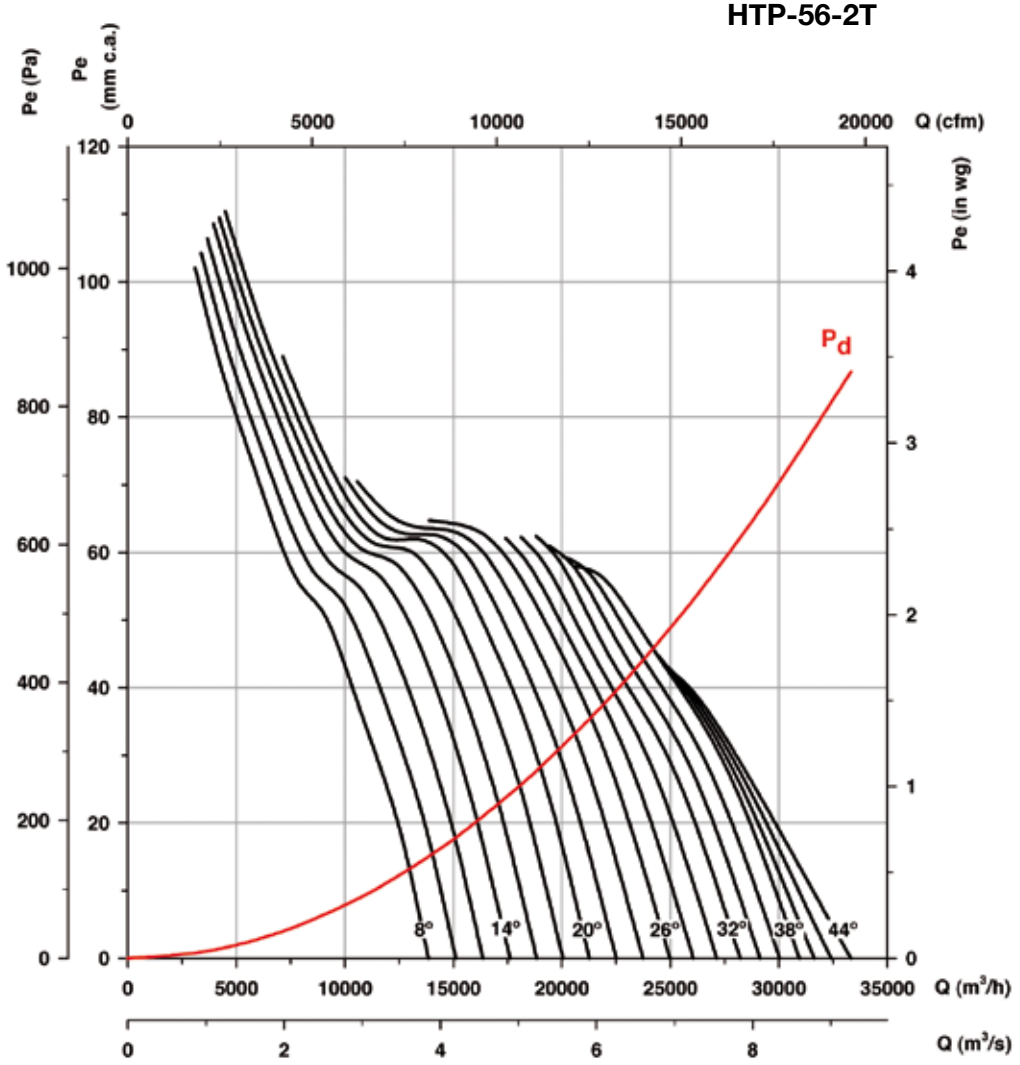


Characteristic curves

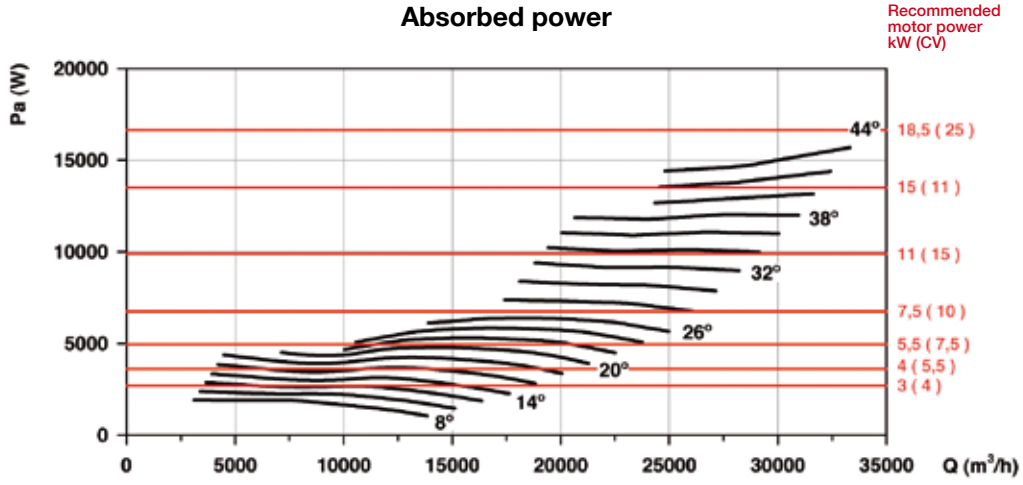
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-56-2T



Absorbed power

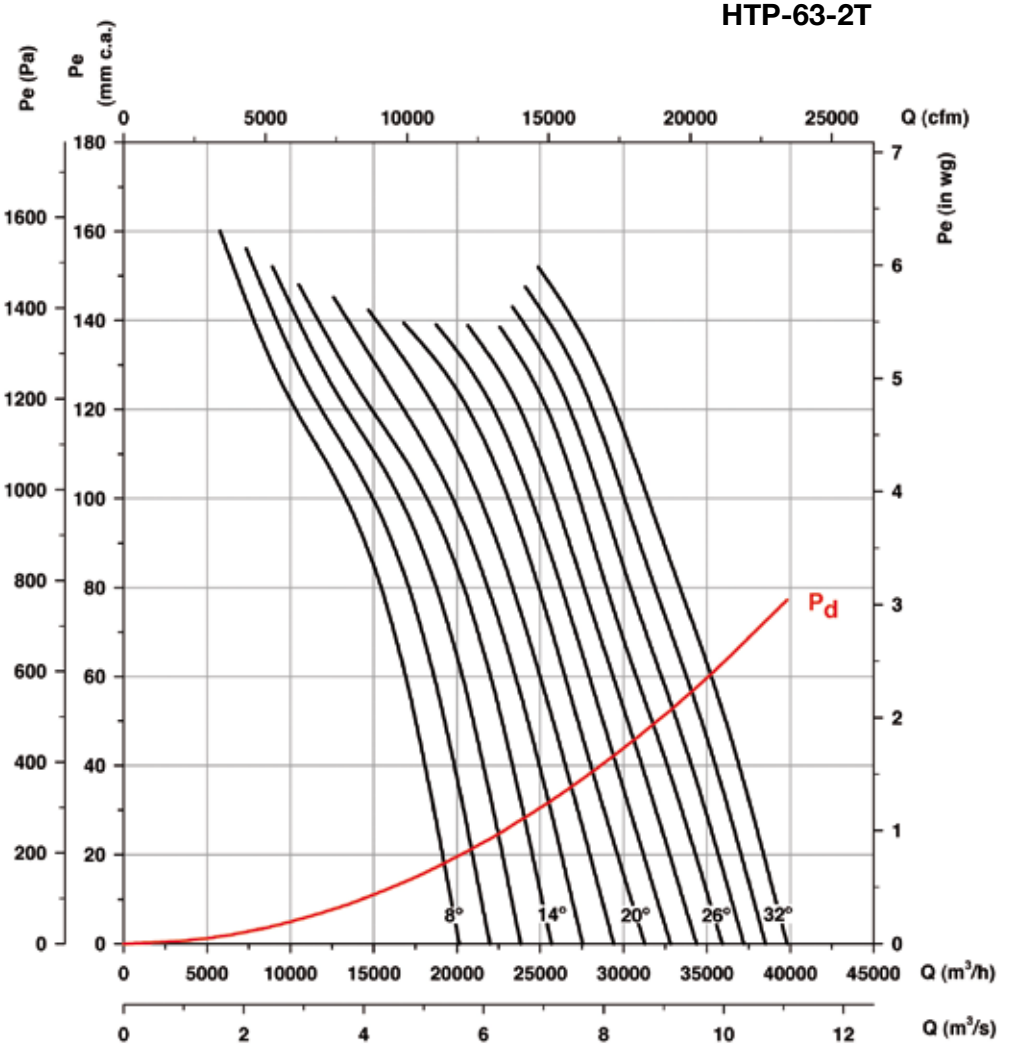


Characteristic curves

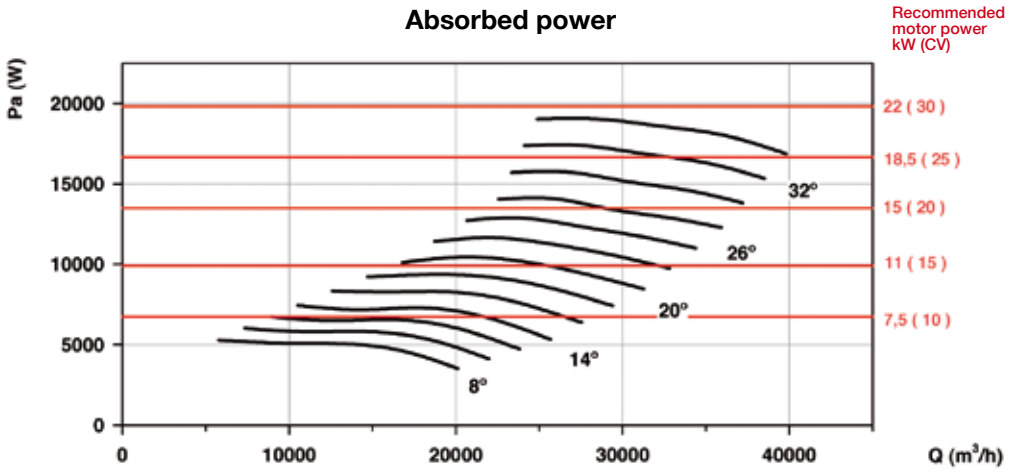
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-63-2T



Absorbed power

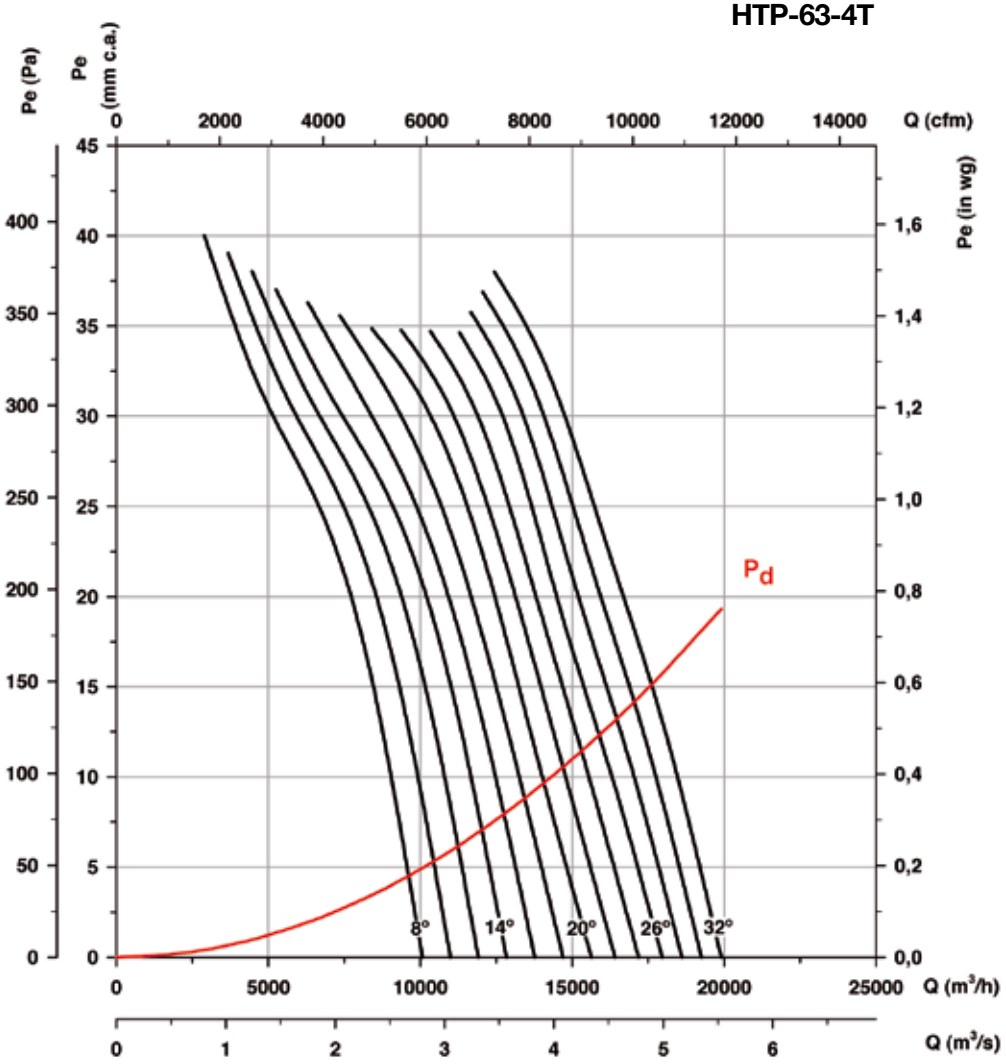


Characteristic curves

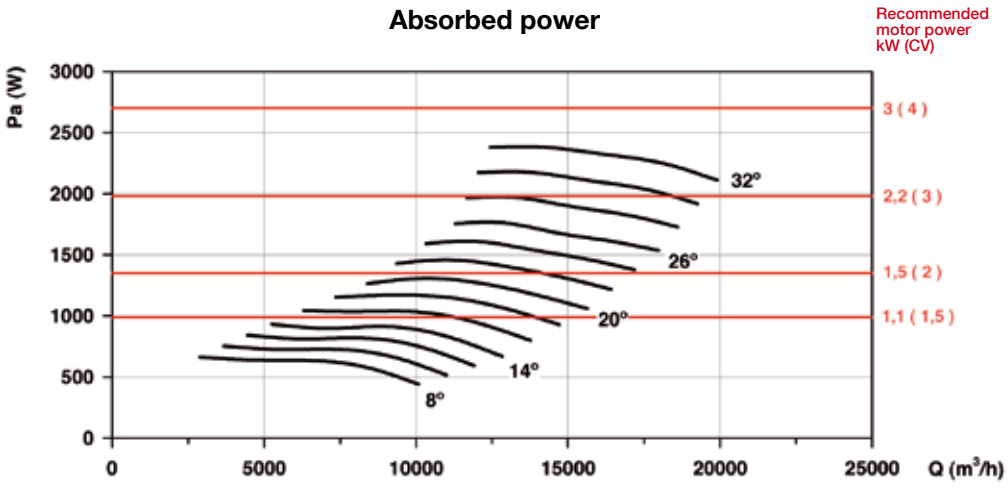
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-63-4T



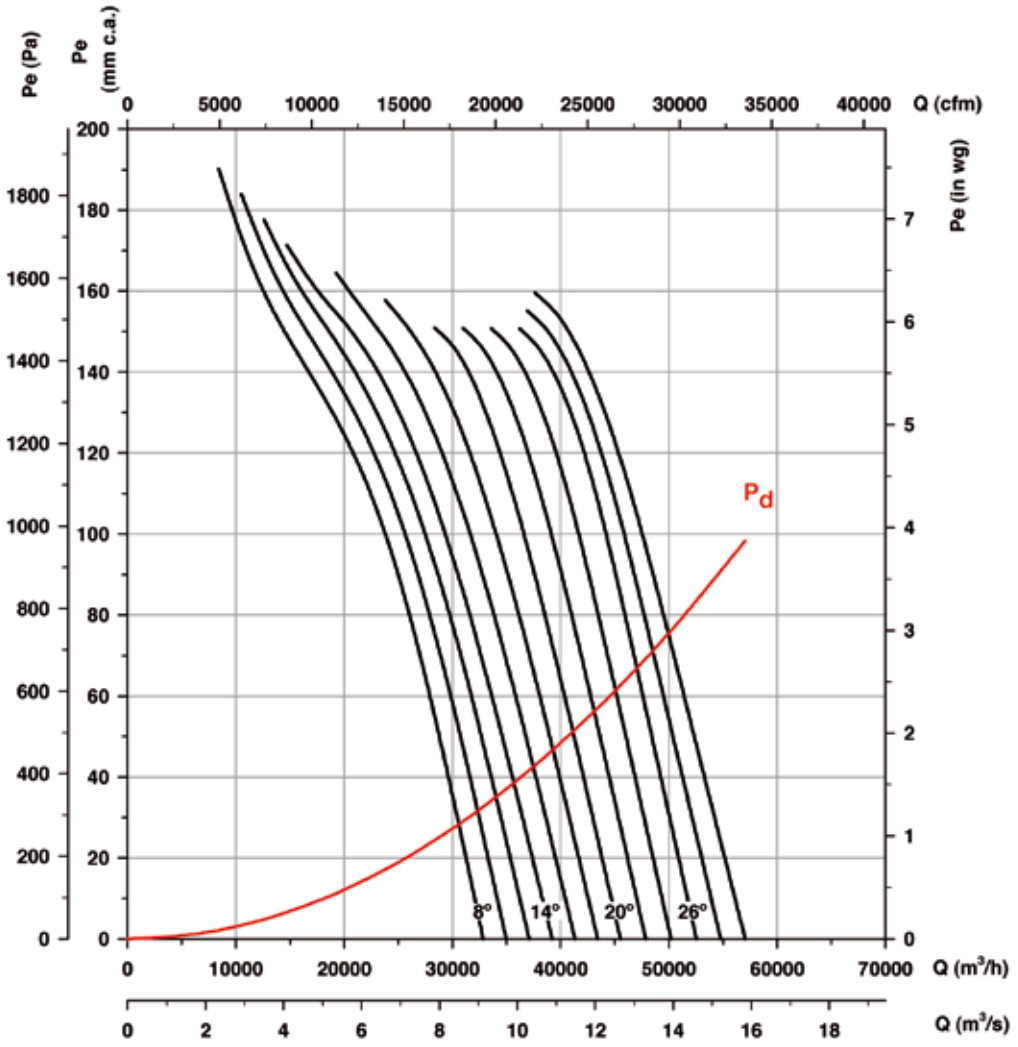
Absorbed power



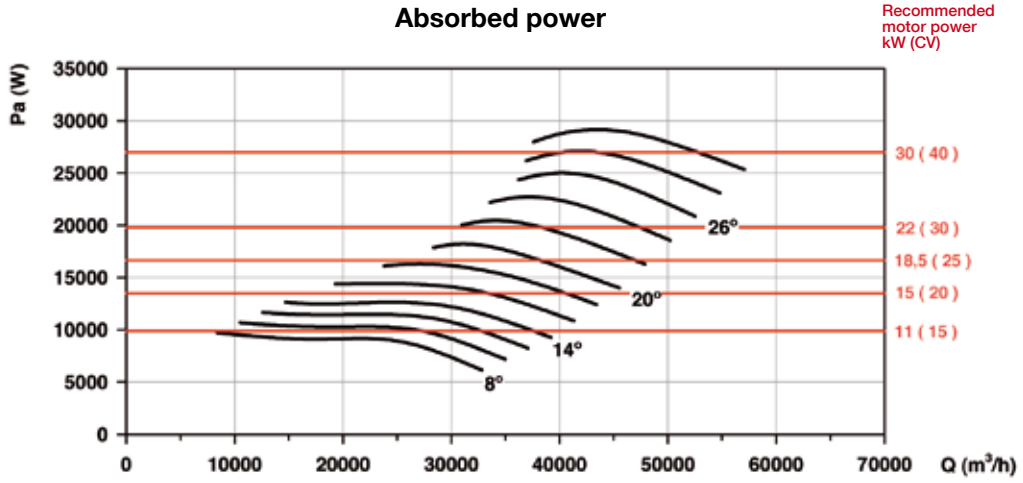
Characteristic curves

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

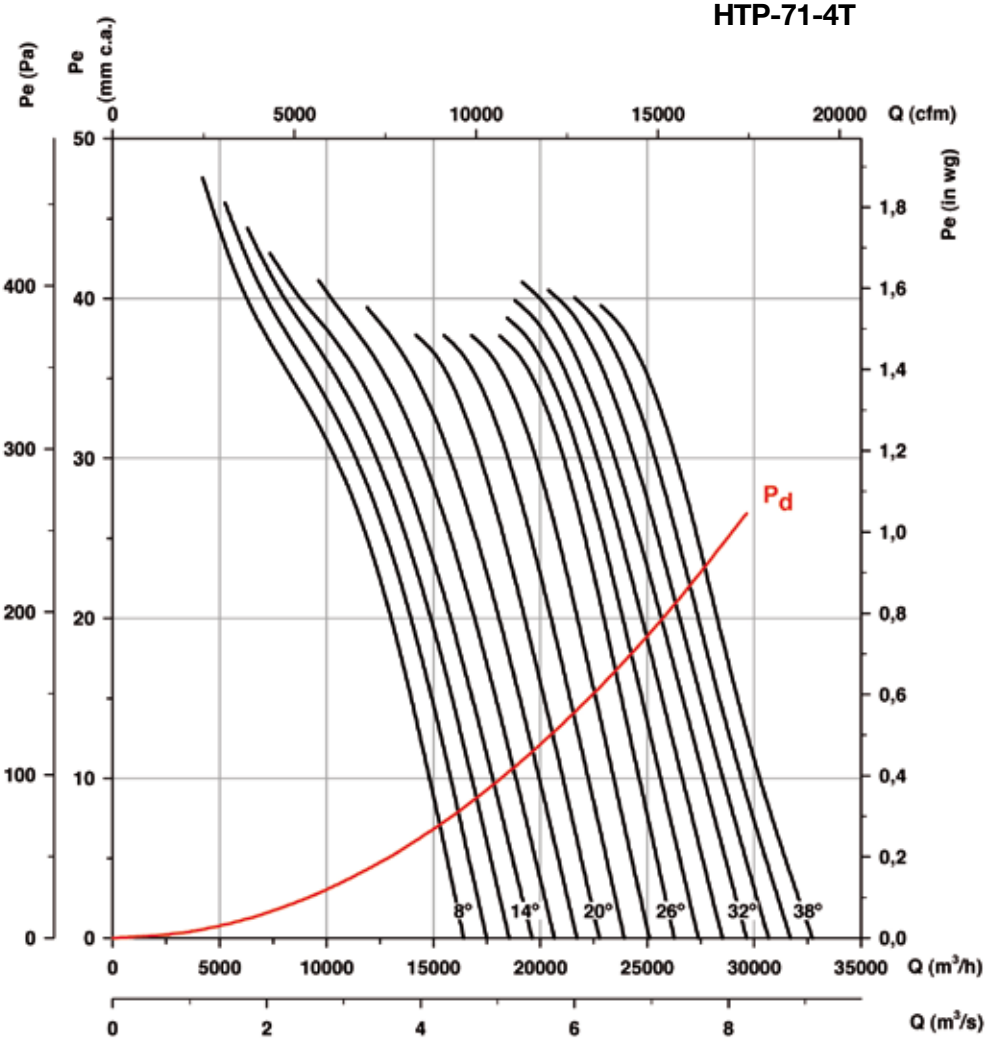


Characteristic curves

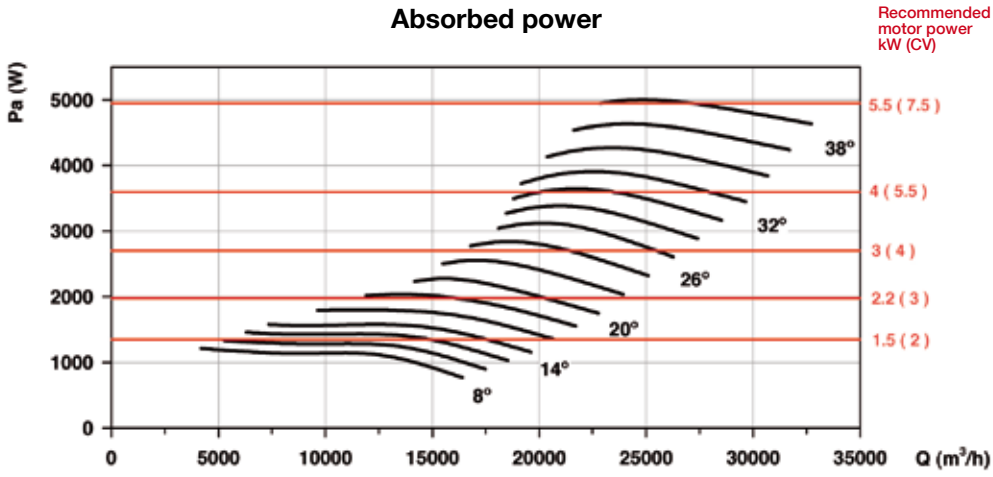
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-71-4T



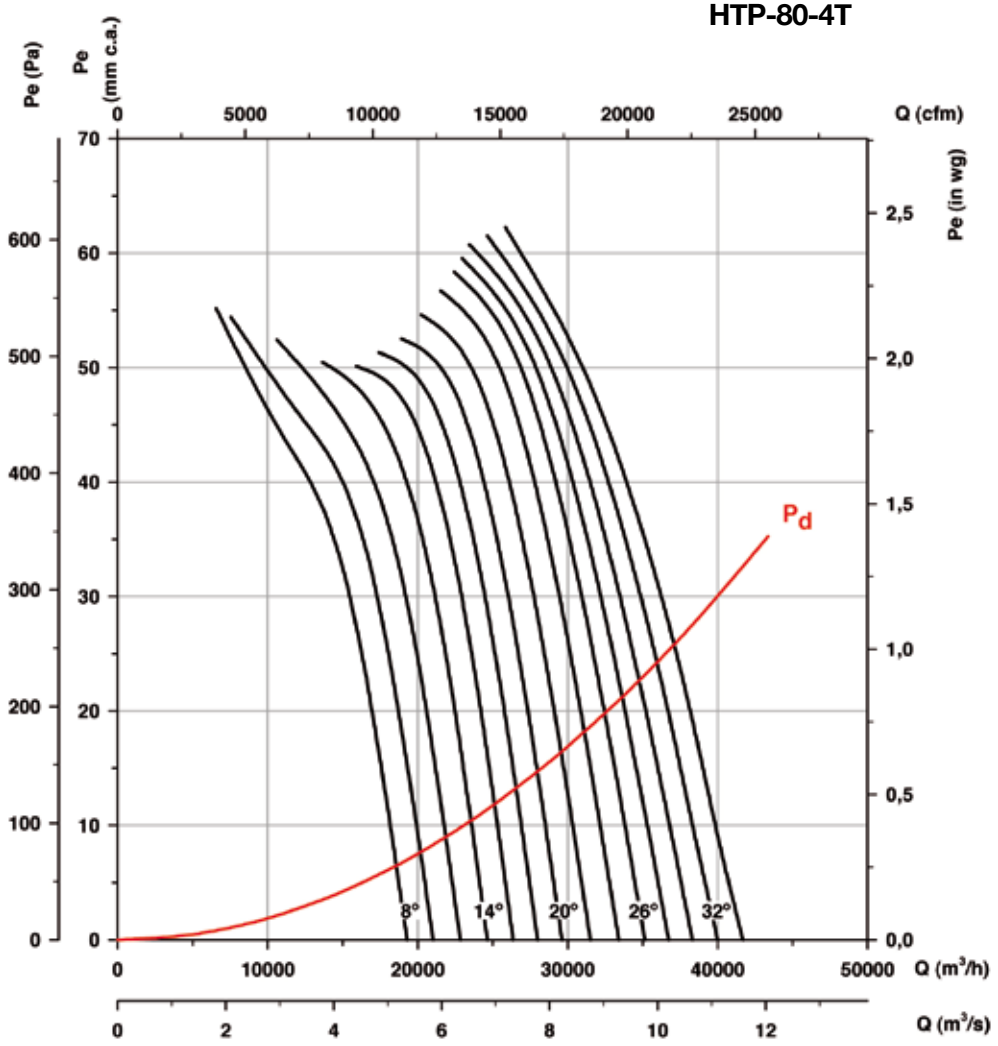
Absorbed power



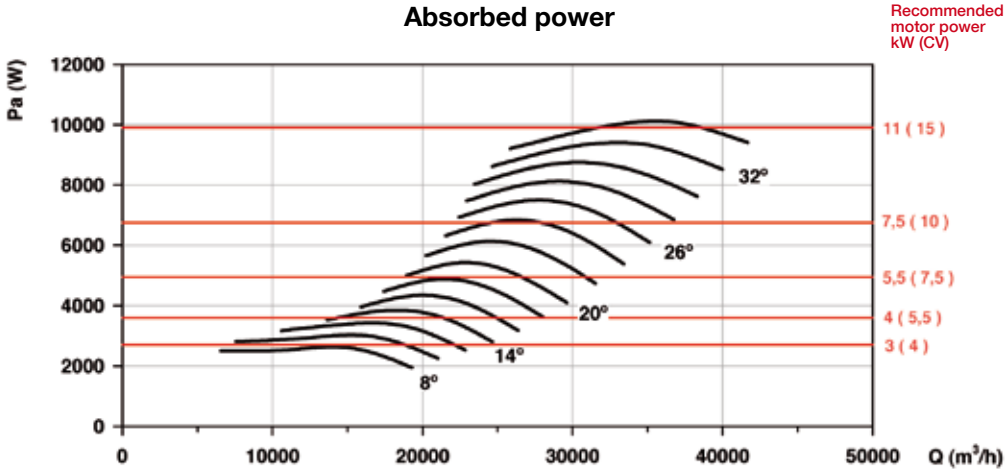
Characteristic curves

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

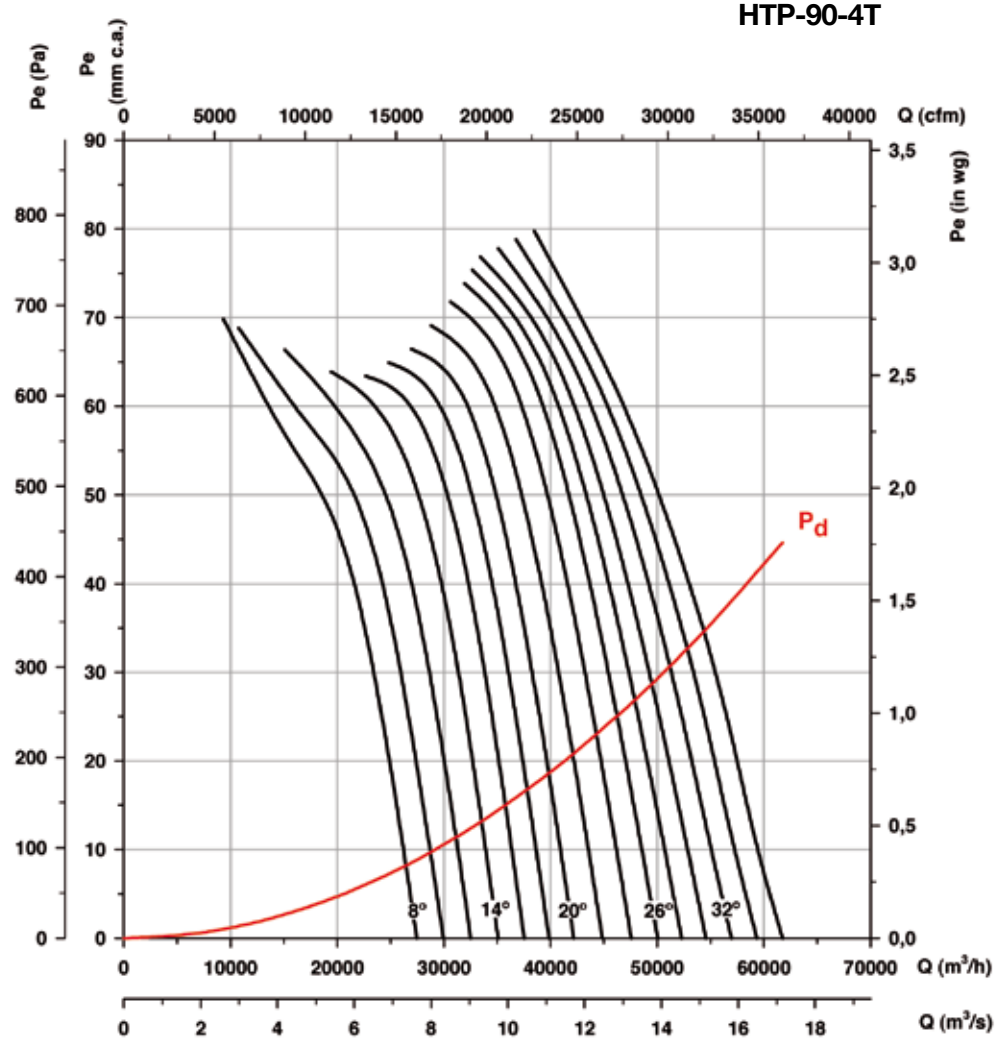


Characteristic curves

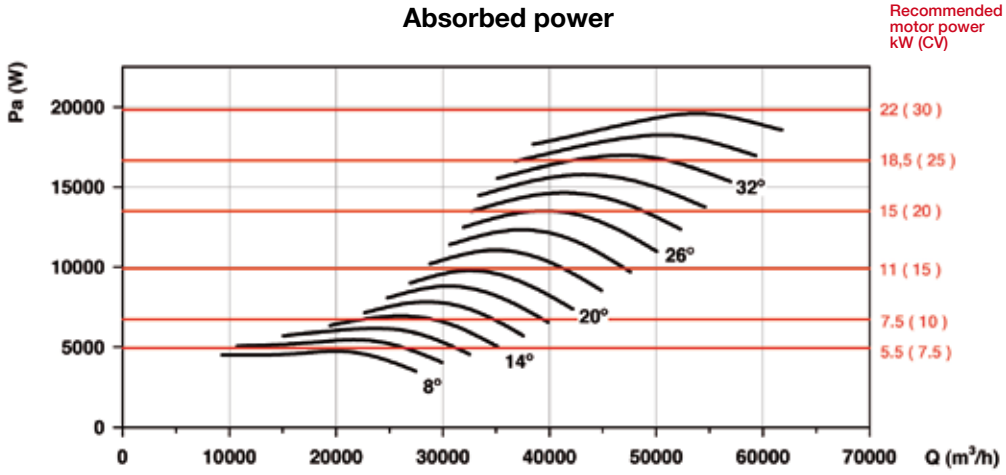
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-90-4T



Absorbed power

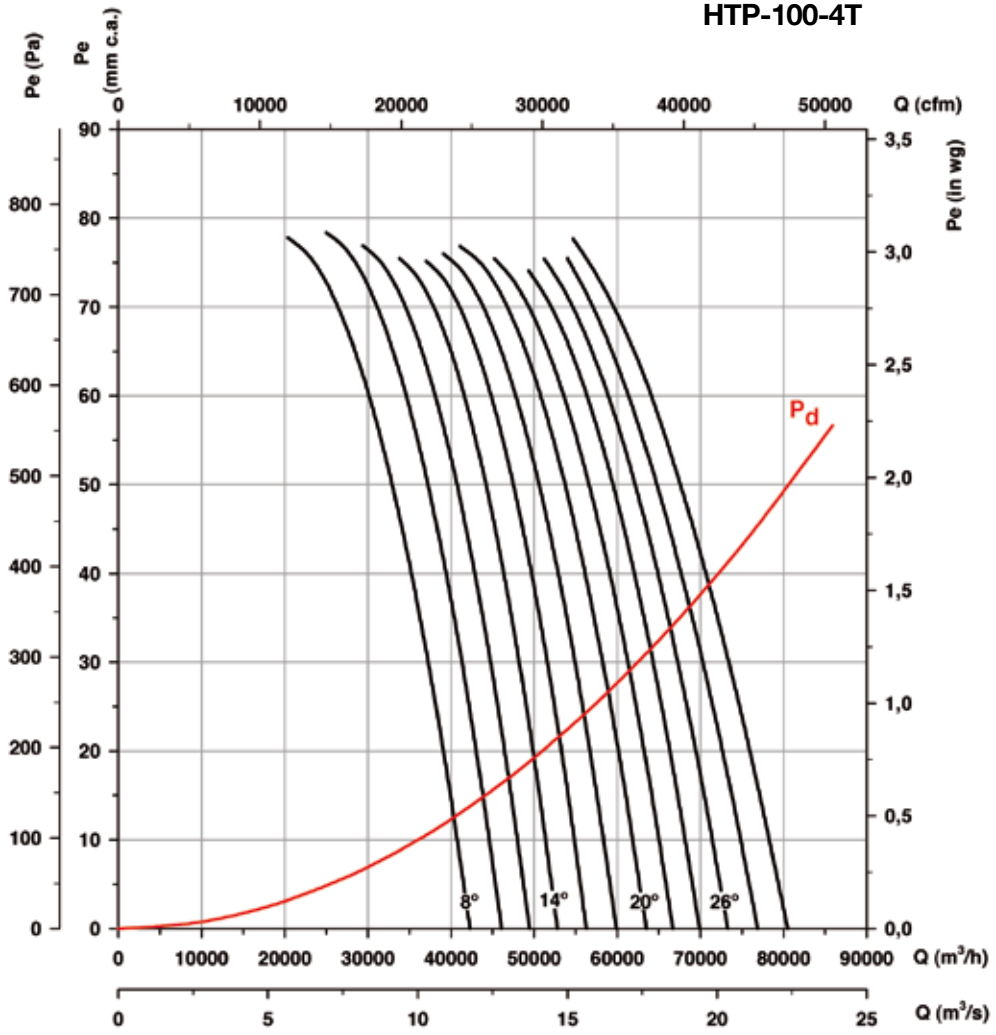


Characteristic curves

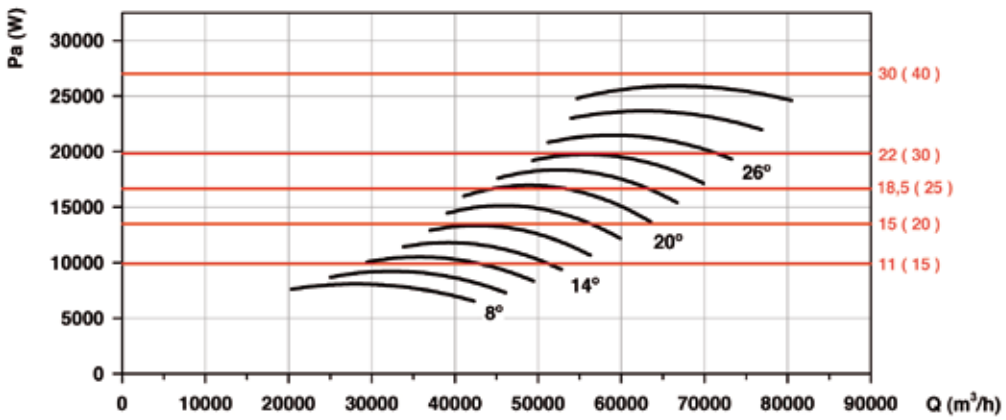
Q = Airflow in m^3/h, m^3/s and cfm.

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

HTP-100-4T



Absorbed power

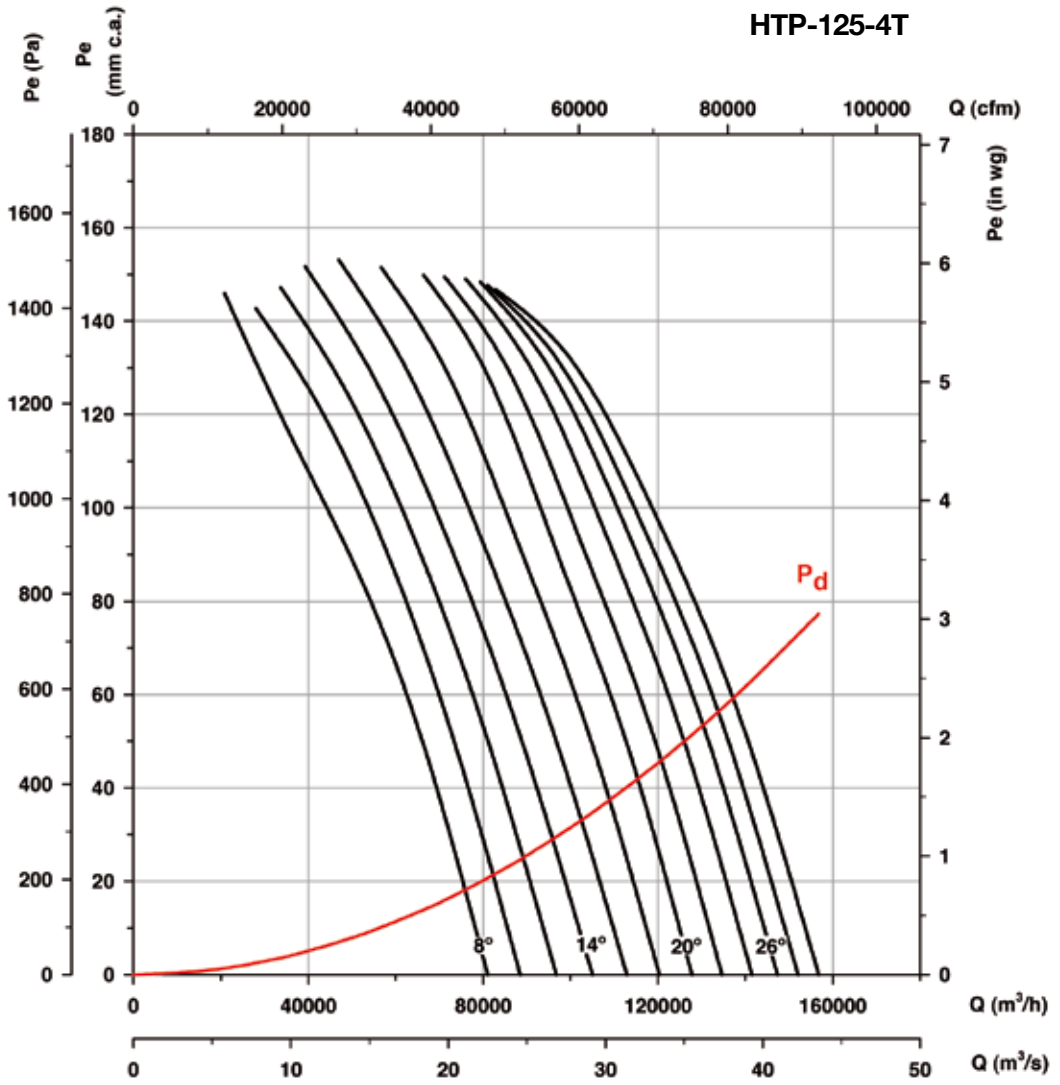


Characteristic curves

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

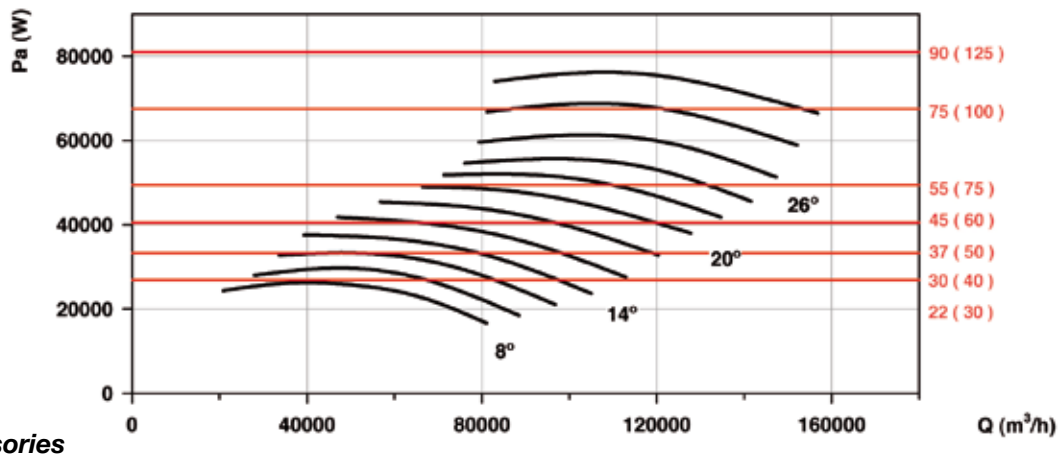
Pe= Static pressure in mm.w.c., Pa and inwg.

HTP-125-4T



Absorbed power

Recommended motor power kW (CV)



Accessories

See accessories section.

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

HGT
HGTX

HGT: Large long cased axial fans with direct drive motor
HGTX: Large long cased axial fans with external motor

Long cased axial fans, supplied with 3, 6 or 9 blade aluminium impellers with different slope angles.

HGT

Fan:
- Airflow direction from motor to impeller
- Variable angle impellers in cast aluminium (HGTX: of 3, 6 or 9 blades with different slope angles).
- Sheet steel long casing.
- HGT: The long-casing version is equipped with an inspection hatch
- HGTX: Equipped with inspection hatch

HGTX

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.)
- Working temperature: -25ºC.+ 50ºC (HGT), -25ºC.+ 120ºC (HGTX)

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

On request:
- Airflow direction from impeller to motor.
- 100% reversible impellers
- Special windings for different voltages.
- ATEX certification, Category 2

Order code

HGT — 125 — 4T — 6-20

- ***HGT***: HGT: Large long cased axial fans with direct drive motor HGTX: Large long cased axial fans with external motor
- ***125***: Impeller diameter in cm.
- ***4T***: 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
- ***6-20***: Number of blades 3 blades 6 blades 9 blades
- Motor power (C.V.)

Technical characteristics

Model		Speed	Maximum admissible current (A)			Installed power	Maximum airflow	Sound pressure level	Approx. weight (Kg)		
		(r/min)	230V	400V	690V	(kW)	(m³/h)	dB(A)	HGT Long	HGT Short	HGTX
HGT-125-4T/3-10	HGTX-125-4T/3-10	1450		14.80	8.54	7.50	58150	88	249	178	342
HGT-125-4T/3-15	HGTX-125-4T/3-15	1460		21.50	12.40	11.00	77450	89	249	221	369
HGT-125-4T/3-20	HGTX-125-4T/3-20	1455		28.50	16.50	15.00	91400	91	268	240	388
HGT-125-4T/3-25	HGTX-125-4T/3-25	1470		35.00	20.20	18.50	98350	91	331	288	418
HGT-125-4T/3-30	HGTX-125-4T/3-30	1470		41.00	23.70	22.00	110500	92	348	305	435
HGT-125-4T/3-40	HGTX-125-4T/3-40	1475		56.00	32.30	30.00	120850	93	440	397	529
HGT-125-4T/3-50	HGTX-125-4T/3-50	1480		68.00	39.30	37.00	129000	94	474	418	545
HGT-125-4T/3-60	HGTX-125-4T/3-60	1480		84.00	48.50	45.00	140000	95	489	433	560
HGT-125-4T/6-20	HGTX-125-4T/6-20	1455		28.50	16.50	15.00	78300	89	277	249	397
HGT-125-4T/6-25	HGTX-125-4T/6-25	1470		35.00	20.20	18.50	92000	90	340	297	427
HGT-125-4T/6-30	HGTX-125-4T/6-30	1470		41.00	23.70	22.00	98100	90	357	314	444
HGT-125-4T/6-40	HGTX-125-4T/6-40	1475		56.00	32.30	30.00	117000	92	449	405	538
HGT-125-4T/6-50	HGTX-125-4T/6-50	1480		68.00	39.30	37.00	123700	93	483	427	554
HGT-125-4T/6-60	HGTX-125-4T/6-60	1480		84.00	48.50	45.00	136000	94	498	442	569
HGT-125-4T/6-75	HGTX-125-4T/6-75	1480		98.00	56.60	55.00	148000	95	549	499	635
HGT-125-4T/6-100	HGTX-125-4T/6-100	1480		132.00	76.20	75.00	161000	96	598	548	684
HGT-125-4T/9-25	HGTX-125-4T/9-25	1470		35.00	20.20	18.50	79750	88	349	306	436
HGT-125-4T/9-30	HGTX-125-4T/9-30	1470		41.00	23.70	22.00	97000	89	366	323	453

Technical characteristics

Model		Speed	Maximum admissible current (A)			Installed power	Maximum airflow	Sound pressure level	Approx. weight (Kg)		
		(r/min)	230V	400V	690V	(kW)	(m^3/h)	dB(A)	HGT		HGTX
HGT-125-4T/9-40	HGTX-125-4T/9-40	1475		56.00	32.30	30.00	111200	91	458	414	547
HGT-125-4T/9-50	HGTX-125-4T/9-50	1480		68.00	39.30	37.00	118350	93	492	436	563
HGT-125-4T/9-60	HGTX-125-4T/9-60	1480		84.00	48.50	45.00	127000	94	507	451	578
HGT-125-4T/9-75	HGTX-125-4T/9-75	1480		98.00	56.60	55.00	142000	95	558	508	644
HGT-125-4T/9-100	HGTX-125-4T/9-100	1480		132.00	76.20	75.00	155000	99	607	557	693
HGT-125-6T/3-4	HGTX-125-6T/3-4	935	12.10	7.00		3.00	46550	79	204	171	335
HGT-125-6T/3-5,5	HGTX-125-6T/3-5,5	940	15.50	8.95		4.00	55300	80	209	176	340
HGT-125-6T/3-7,5	HGTX-125-6T/3-7,5	955		11.90	6.87	5.50	64450	81	217	184	348
HGT-125-6T/3-10	HGTX-125-6T/3-10	970		15.40	8.89	7.50	76400	83	262	234	382
HGT-125-6T/3-15	HGTX-125-6T/3-15	970		23.00	13.30	11.00	87050	84	276	248	396
HGT-125-6T/3-20	HGTX-125-6T/3-20	970		31.00	17.90	15.00	91700	85	358	315	445
HGT-125-6T/6-5,5	HGTX-125-6T/6-5,5	940	15.50	8.95		4.00	51300	77	218	185	349
HGT-125-6T/6-7,5	HGTX-125-6T/6-7,5	955		11.90	6.87	5.50	60300	77	226	193	357
HGT-125-6T/6-10	HGTX-125-6T/6-10	970		15.40	8.89	7.50	72250	79	271	243	391
HGT-125-6T/6-15	HGTX-125-6T/6-15	970		23.00	13.30	11.00	85450	81	285	257	405
HGT-125-6T/6-20	HGTX-125-6T/6-20	970		31.00	17.90	15.00	92850	82	367	324	454
HGT-125-6T/6-25	HGTX-125-6T/6-25	985		36.00	20.80	18.50	103000	84	409	365	498
HGT-125-6T/9-10	HGTX-125-6T/9-10	970		15.40	8.89	7.50	68200	78	280	252	400
HGT-125-6T/9-15	HGTX-125-6T/9-15	970		23.00	13.30	11.00	77550	81	294	266	414
HGT-125-6T/9-20	HGTX-125-6T/9-20	970		31.00	17.90	15.00	92900	84	376	333	463
HGT-125-6T/9-25	HGTX-125-6T/9-25	985		36.00	20.80	18.50	98700	85	418	374	507
HGT-125-6T/9-30	HGTX-125-6T/9-30	980		43.00	24.80	22.00	104000	87	438	394	527
HGT-125-8T/3-3	HGTX-125-8T/3-3	720	10.20	5.90		2.20	48800	71	209	176	340
HGT-125-8T/3-4	HGTX-125-8T/3-4	720	13.50	7.80		3.00	54900	71	216	183	347
HGT-125-8T/3-5,5	HGTX-125-8T/3-5,5	715	17.30	10.00		4.00	62100	73	249	221	369
HGT-125-8T/3-7,5	HGTX-125-8T/3-7,5	710		13.40	7.74	5.50	69500	75	262	234	382
HGT-125-8T/6-3	HGTX-125-8T/6-3	720	10.20	5.90		2.20	45700	69	218	185	349
HGT-125-8T/6-4	HGTX-125-8T/6-4	720	13.50	7.80		3.00	51800	71	225	192	356
HGT-125-8T/6-5,5	HGTX-125-8T/6-5,5	715	17.30	10.00		4.00	61500	72	258	230	378
HGT-125-8T/6-7,5	HGTX-125-8T/6-7,5	710		13.40	7.74	5.50	67500	73	271	243	391
HGT-125-8T/6-10	HGTX-125-8T/6-10	715		18.10	10.45	7.50	75500	75	301	273	421
HGT-125-8T/9-4	HGTX-125-8T/9-4	720	13.50	7.80		3.00	48200	70	234	201	365
HGT-125-8T/9-5,5	HGTX-125-8T/9-5,5	715	17.30	10.00		4.00	55200	73	267	239	387
HGT-125-8T/9-7,5	HGTX-125-8T/9-7,5	710		13.40	7.74	5.50	67000	75	280	252	400
HGT-125-8T/9-10	HGTX-125-8T/9-10	715		18.10	10.45	7.50	74750	76	310	282	430
HGT-125-8T/9-15	HGTX-125-8T/9-15	720		23.50	13.60	11.00	80800	79	372	329	459
HGT-140-6T/3-4		960	12.00	6.90		3.00	51000	82	251	214	
HGT-140-6T/3-5,5		960	15.10	8.70		4.00	56700	83	258	221	
HGT-140-6T/3-7,5		955		11.90	6.90	5.50	67900	84	266	229	
HGT-140-6T/3-10		970		15.40	8.90	7.50	80100	85	320	281	
HGT-140-6T/3-15		970		23.00	13.30	11.00	96900	86	334	295	
HGT-140-6T/3-20		970		31.00	17.90	15.00	106000	88	414	364	
HGT-140-6T/6-5,5		960	15.10	8.70		4.00	58000	82	268	231	
HGT-140-6T/6-7,5		955		11.90	6.90	5.50	66000	84	276	239	
HGT-140-6T/6-10		970		15.40	8.90	7.50	80700	85	330	291	
HGT-140-6T/6-15		970		23.00	13.30	11.00	96700	86	344	305	
HGT-140-6T/6-20		970		31.00	17.90	15.00	104000	87	423	374	
HGT-140-6T/6-25		985		36.00	20.80	18.50	115000	88	466	417	
HGT-140-6T/6-30		980		43.00	24.80	22.00	119000	89	486	437	
HGT-140-6T/9-10		970		15.40	8.90	7.50	70000	84	339	300	
HGT-140-6T/9-15		970		23.00	13.30	11.00	86000	86	353	314	
HGT-140-6T/9-20		970		31.00	17.90	15.00	97500	87	433	383	
HGT-140-6T/9-25		985		36.00	20.80	18.50	111000	88	475	427	
HGT-140-6T/9-30		980		43.00	24.80	22.00	118500	89	495	447	
HGT-140-6T/9-40		985		56.00	32.30	30.00	132000	91	561	499	
HGT-140-6T/9-50		985		69.00	39.80	37.00	139000	92	623	568	
HGT-140-8T/3-3		720	10.20	5.90		2.20	50000	78	258	221	
HGT-140-8T/3-4		720	13.50	7.80		3.00	57000	78	265	228	
HGT-140-8T/3-5,5		715	17.30	10.00		4.00	65400	79	307	268	
HGT-140-8T/3-7,5		710		13.40	7.70	5.50	77500	81	320	281	
HGT-140-8T/3-10		715		18.10	10.50	7.50	86000	82	350	311	
HGT-140-8T/6-3		720	10.20	5.90		2.20	47500	78	268	231	
HGT-140-8T/6-4		720	13.50	7.80		3.00	57600	79	275	238	

Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power	Maximum airflow	Sound pressure level	Approx. weight (Kg)		
	(r/min)	230V	400V	690V	(kW)	(m^3/h)	dB(A)	HGT Long	HGT Short	HGTX
HGT-140-8T/6-5,5	715	17.30	10.00		4.00	65200	80	319	278	
HGT-140-8T/6-7,5	710		13.40	7.70	5.50	73300	81	330	291	
HGT-140-8T/6-10	715		18.10	10.50	7.50	82200	82	360	321	
HGT-140-8T/6-15	720		23.50	13.60	11.00	94200	83	419	370	
HGT-140-8T/9-4	720	13.50	7.80		3.00	47200	79	284	247	
HGT-140-8T/9-5,5	715	17.30	10.00		4.00	64400	79	326	287	
HGT-140-8T/9-7,5	710		13.40	7.70	5.50	69200	81	339	300	
HGT-140-8T/9-10	715		18.10	10.50	7.50	78700	82	369	330	
HGT-140-8T/9-15	720		23.50	13.60	11.00	94300	83	429	379	
HGT-140-8T/9-20	740		29.00	16.70	15.00	103000	86	485	437	
HGT-160-6T/3-5,5	960	15.10	8.70		4.00	66000	81	327	275	
HGT-160-6T/3-7,5	955		11.90	6.90	5.50	76100	82	335	283	
HGT-160-6T/3-10	970		15.40	8.90	7.50	84000	83	393	339	
HGT-160-6T/3-15	970		23.00	13.30	11.00	102000	85	407	353	
HGT-160-6T/3-20	970		31.00	17.90	15.00	127000	86	500	431	
HGT-160-6T/3-25	985		36.00	20.80	18.50	136700	87	543	473	
HGT-160-6T/3-30	980		43.00	24.80	22.00	145000	89	563	493	
HGT-160-6T/6-10	970		15.40	8.90	7.50	75000	83	404	350	
HGT-160-6T/6-15	970		23.00	13.30	11.00	93500	85	418	364	
HGT-160-6T/6-20	970		31.00	17.90	15.00	120500	86	510	441	
HGT-160-6T/6-25	985		36.00	20.80	18.50	130000	87	553	484	
HGT-160-6T/6-30	980		43.00	24.80	22.00	140000	88	573	504	
HGT-160-6T/6-40	985		56.00	32.30	30.00	158000	89	656	557	
HGT-160-6T/6-50	985		69.00	39.80	37.00	171000	91	714	629	
HGT-160-6T/9-15	970		23.00	13.30	11.00	87000	85	428	374	
HGT-160-6T/9-20	970		31.00	17.90	15.00	104000	86	520	451	
HGT-160-6T/9-25	985		36.00	20.80	18.50	127000	87	563	494	
HGT-160-6T/9-30	980		43.00	24.80	22.00	135000	88	583	514	
HGT-160-6T/9-40	985		56.00	32.30	30.00	147000	89	666	567	
HGT-160-6T/9-50	985		69.00	39.80	37.00	165000	90	724	640	
HGT-160-6T/9-60	985		92.00	53.10	45.00	177000	91	844	745	
HGT-160-6T/9-75	990		102.00	58.90	55.00	193000	92	932	833	
HGT-160-6T/9-100	990		139.00	80.30	75.00	207500	93	1002	903	
HGT-160-8T/3-3	720	10.20	5.90		2.20	54000	76	327	275	
HGT-160-8T/3-4	720	13.50	7.80		3.00	57500	77	334	282	
HGT-160-8T/3-5,5	715	17.30	10.00		4.00	74000	79	380	326	
HGT-160-8T/3-7,5	710		13.40	7.70	5.50	83500	80	393	339	
HGT-160-8T/3-10	715		18.10	10.50	7.50	97500	81	423	369	
HGT-160-8T/3-15	720		23.50	13.60	11.00	115000	83	496	427	
HGT-160-8T/6-4	720	13.50	7.80		3.00	70900	76	344	292	
HGT-160-8T/6-5,5	715	17.30	10.00		4.00	84500	77	391	337	
HGT-160-8T/6-7,5	710		13.40	7.70	5.50	77000	79	404	350	
HGT-160-8T/6-10	715		18.10	10.50	7.50	95000	80	434	380	
HGT-160-8T/6-15	720		23.50	13.60	11.00	109000	82	506	437	
HGT-160-8T/6-20	740		29.00	16.70	15.00	123000	83	563	494	
HGT-160-8T/6-25	730		37.00	21.40	18.50	130000	84	641	542	
HGT-160-8T/9-7,5	710		13.40	7.70	5.50	70000	79	414	360	
HGT-160-8T/9-10	715		18.10	10.50	75.00	87000	80	444	390	
HGT-160-8T/9-15	720		23.50	13.60	11.00	103000	82	516	447	
HGT-160-8T/9-20	740		29.00	16.70	15.00	117000	83	573	504	
HGT-160-8T/9-25	730		37.00	21.40	18.50	133000	84	651	552	
HGT-160-8T/9-30	730		45.00	26.00	22.00	140000	85	666	567	
HGT-160-8T/9-40	735		59.00	34.10	30.00	151000	86	724	640	

Acoustic features

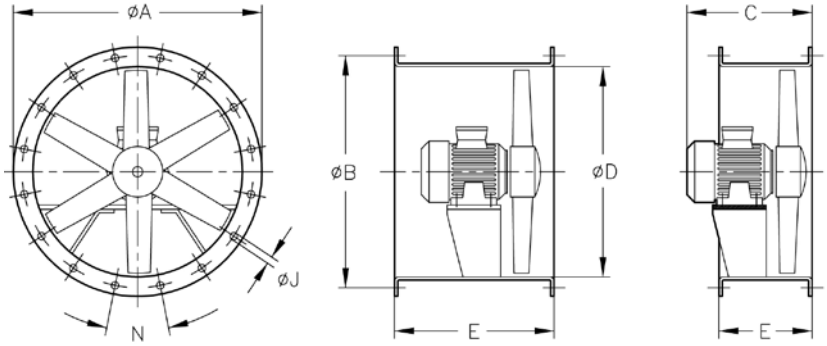
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000
125-4T/3-10	70	76	88	98	98	94	86	82
125-4T/3-15	71	77	89	99	99	95	87	83
125-4T/3-20	72	78	90	100	100	96	88	84
125-4T/3-25	73	79	91	101	101	97	89	85
125-4T/3-30	74	80	92	102	102	98	90	86
125-4T/3-40	75	81	93	103	103	99	91	87
125-4T/3-50	76	82	94	104	104	100	92	88
125-4T/3-60	77	83	95	105	105	101	93	89
125-4T/6-20	66	74	90	97	99	94	88	84
125-4T/6-25	67	75	91	98	100	95	89	85
125-4T/6-30	68	76	92	99	101	96	90	86
125-4T/6-40	69	77	93	100	102	97	91	87
125-4T/6-50	71	79	95	102	104	99	93	89
125-4T/6-60	72	80	96	103	105	100	94	90
125-4T/6-75	72	80	96	103	105	100	94	90
125-4T/6-100	74	82	98	105	107	102	96	92
125-4T/9-25	66	74	91	97	98	93	88	84
125-4T/9-30	67	75	92	98	99	94	89	85
125-4T/9-40	68	76	93	99	100	95	90	86
125-4T/9-50	70	78	95	101	102	97	92	88
125-4T/9-60	72	80	97	103	104	99	94	90
125-4T/9-75	72	80	97	103	104	99	94	90
125-4T/9-100	74	82	99	105	106	101	96	92
125-6T/3-4	64	72	84	88	86	81	72	68
125-6T/3-5,5	66	74	86	90	88	83	74	70
125-6T/3-7,5	67	75	87	91	89	84	75	71
125-6T/3-10	68	76	88	92	90	85	76	72
125-6T/3-15	69	77	89	93	91	86	77	73
125-6T/3-20	71	79	91	95	93	88	79	75
125-6T/6-5,5	59	68	81	84	85	82	71	67
125-6T/6-7,5	60	69	82	85	86	83	72	68
125-6T/6-10	61	70	83	86	87	84	73	69
125-6T/6-15	63	72	85	88	89	86	75	71
125-6T/6-20	65	74	87	90	91	88	77	73
125-6T/6-25	66	75	88	91	92	89	78	74
125-6T/9-10	57	67	82	86	85	84	73	69
125-6T/9-15	59	69	84	88	87	86	75	71
125-6T/9-20	62	72	87	91	90	89	78	74
125-6T/9-25	64	74	89	93	92	91	80	76
125-6T/9-30	66	76	91	95	94	93	82	78
125-8T/3-3	56	63	74	78	77	70	61	57
125-8T/3-4	59	66	77	81	80	73	64	60
125-8T/3-5,5	60	67	78	82	81	74	65	61
125-8T/3-7,5	62	69	80	84	83	76	67	63
125-8T/6-3	53	61	73	78	77	72	61	57
125-8T/6-4	54	62	74	79	78	73	62	58
125-8T/6-5,5	56	64	76	81	80	75	64	60
125-8T/6-7,5	58	66	78	83	82	77	66	62
125-8T/6-10	59	67	79	84	83	78	67	63
125-8T/9-4	51	62	72	78	79	74	63	59
125-8T/9-5,5	53	64	74	80	81	76	65	61
125-8T/9-7,5	56	67	77	83	84	79	68	64
125-8T/9-10	58	69	79	85	86	81	70	66
125-8T/9-15	59	70	80	86	87	82	71	67
140-6T/3-4	66	76	84	89	88	87	74	74
140-6T/3-5,5	69	79	87	92	91	90	77	77
140-6T/3-7,5	69	79	87	92	91	90	77	77
140-6T/3-10	70	80	88	93	92	91	78	78
140-6T/3-15	71	81	89	94	93	92	79	79
140-6T/3-20	73	83	91	96	95	94	81	81
140-6T/6-5,5	66	81	90	92	89	83	75	71
140-6T/6-7,5	67	82	91	93	90	84	76	72
140-6T/6-10	68	83	92	94	91	85	77	73
140-6T/6-15	69	84	93	95	92	86	78	74
140-6T/6-20	71	86	95	97	94	88	80	76
140-6T/6-25	72	87	96	98	95	89	81	77
140-6T/6-30	73	88	97	99	96	90	82	78
140-6T/9-10	66	84	93	92	91	87	78	73
140-6T/9-15	67	85	94	93	92	88	79	74
140-6T/9-20	69	87	96	95	94	90	81	76
140-6T/9-25	70	88	97	96	95	91	82	77
140-6T/9-30	70	88	97	96	95	91	82	77
140-6T/9-40	71	89	98	97	96	92	83	78
140-6T/9-50	74	92	101	100	99	95	86	81
140-8T/3-3	60	70	78	83	82	81	68	63
140-8T/3-4	64	74	82	87	86	85	72	67
140-8T/3-5,5	65	75	83	88	87	86	73	68
140-8T/3-7,5	66	76	84	89	88	87	74	69
140-8T/3-10	68	78	86	91	90	89	76	71
140-8T/6-3	61	73	82	86	84	78	68	65
140-8T/6-4	63	75	84	88	86	80	70	67
140-8T/6-5,5	64	76	85	89	87	81	71	68
140-8T/6-7,5	65	77	86	90	88	82	72	69
140-8T/6-10	66	78	87	91	89	83	73	70
140-8T/6-15	68	80	89	93	91	85	75	72
140-8T/9-4	61	72	83	88	86	82	72	67
140-8T/9-5,5	62	73	84	89	87	83	73	68
140-8T/9-7,5	63	74	85	90	88	84	74	69
140-8T/9-10	64	75	86	91	89	85	75	70
140-8T/9-15	65	76	87	92	90	86	76	71
140-8T/9-20	67	78	89	94	92	88	78	73
160-6T/3-5,5	67	77	85	90	89	88	75	70
160-6T/3-7,5	68	78	86	91	90	89	76	71
160-6T/3-10	69	79	87	92	91	90	77	72
160-6T/3-15	70	80	88	93	92	91	78	73
160-6T/3-20	72	82	90	95	94	93	80	75
160-6T/3-25	73	83	91	96	95	94	81	76
160-6T/3-30	74	84	92	97	96	95	82	77
160-6T/6-10	67	82	91	93	90	84	76	72
160-6T/6-15	68	83	92	94	91	85	77	73
160-6T/6-20	70	85	94	96	93	87	79	75
160-6T/6-25	71	86	95	97	94	88	80	76
160-6T/6-30	71	86	95	97	94	88	80	76
160-6T/6-40	72	87	96	98	95	89	81	77
160-6T/6-50	74	89	98	100	97	91	83	79
160-6T/9-15	67	85	94	93	92	88	79	74
160-6T/9-20	68	86	95	94	93	89	80	75
160-6T/9-25	69	87	96	95	94	90	81	76
160-6T/9-30	70	88	97	96	95	91	82	77
160-6T/9-40	71	89	98	97	96	92	83	78
160-6T/9-50	72	90	99	98	97	93	84	79
160-6T/9-60	72	90	99	98	97	93	84	79
160-6T/9-75	73	91	100	99	98	94	85	80
160-6T/9-100	75	93	102	101	100	96	87	82
160-8T/3-3	61	71	79	84	83	82	69	64
160-8T/3-4	63	73	81	86	85	84	71	66
160-8T/3-5,5	64	74	82	87	86	85	72	67
160-8T/3-7,5	65	75	83	88	87	86	73	68
160-8T/3-10	66	76	84	89	88	87	74	69
160-8T/3-15	68	78	86	91	90	89	76	71
160-8T/6-4	60	75	84	86	83	77	69	65
160-8T/6-5,5	61	76	85	87	84	78	70	66
160-8T/6-7,5	62	77	86	88	85	79	71	67
160-8T/6-10	63	78	87	89	86	80	72	68
160-8T/6-15	65	80	89	91	88	82	74	70
160-8T/6-20	66	81	90	92	89	83	75	71
160-8T/6-25	68	83	92	94	91	85	77	73
160-8T/9-7,5	60	78	87	86	85	81	72	67
160-8T/9-10	62	80	89	88	87	83	74	69
160-8T/9-15	63	81	90	89	88	84	75	70
160-8T/9-20	64	82	91	90	89	85	76	71
160-8T/9-25	65	83	92	91	90	86	77	72
160-8T/9-30	66	84	93	92	91	87	78	73
160-8T/9-40	68	86	95	94	93	89	80	75

Dimensions in mm

HGT

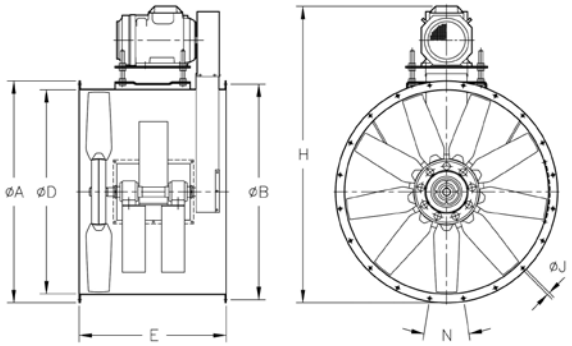


	ØA	ØB	C (Consult motor build sizes)						ØD	E		ØJ	N	
Model			**132**	**160**	**180**	**200**	**225**	**250**	**280**		**long**	**short**		
HGT-125	1365	1320	570	-	-	-	-	-	-	1250	700	500	15	20x18°
HGT-125	1365	1320	-	700	-	-	-	-	-	1250	700	500	15	20x18°
HGT-125	1365	1320	-	-	765	825	-	-	-	1250	900	500	15	20x18°
HGT-125	1365	1320	-	-	-	-	910	-	-	1250	1000	500	15	20x18°
HGT-125	1365	1320	-	-	-	-	-	985	-	1250	1000	600	15	20x18°
HGT-125	1365	1320	-	-	-	-	-	-	1190	1250	1200	700	15	20x18°
HGT-140	1515	1470	570	-	-	-	-	-	-	1400	650	400	15	20x18°
HGT-140	1515	1470	-	700	-	-	-	-	-	1400	700	450	15	20x18°
HGT-140	1515	1470	-	-	765	825	-	-	-	1400	900	550	15	20x18°
HGT-140	1515	1470	-	-	-	-	910	-	-	1400	1000	550	15	20x18°
HGT-140	1515	1470	-	-	-	-	-	985	-	1400	1000	600	15	20x18°
HGT-160	1735	1680	570	-	-	-	-	-	-	1600	650	400	19	24x15°
HGT-160	1735	1680	-	700	-	-	-	-	-	1600	700	450	19	24x15°
HGT-160	1735	1680	-	-	765	825	-	-	-	1600	900	550	19	24x15°
HGT-160	1735	1680	-	-	-	-	910	-	-	1600	1000	550	19	24x15°
HGT-160	1735	1680	-	-	-	-	-	985	-	1600	1000	600	19	24x15°
HGT-160	1735	1680	-	-	-	-	-	-	1190	1600	1200	700	19	24x15°

Motor build sizes depending on power

Poles	r/min	C.V.	3	4	5,5	7,5	10	15	20	25	30	40	50	60	75	100
4T	1500		-	-	-	-	132	160	160	180	180	200	225	225	250	280
6T	1000		-	132	132	132	160	160	180	200	200	225	250	280	280	280
8T	750		132	132	160	160	160	180	200	225	225	250	-	-	-	-

HGTX



	ØA	ØB	ØD	E	H (Consult motor build sizes)					ØJ	N		
Model					**132**	**160**	**180**	**200**	**225**	**250**	**280**		
HGT-X 125	1365	1320	1250	900	1743	1815	1850	-	-	-	-	15	20x18°
HGT-X 125	1365	1320	1250	960	-	-	-	1930	1995	-	-	15	20x18°
HGT-X 125	1365	1320	1250	1100	-	-	-	-	-	2060	-	15	20x18°
HGT-X 125	1365	1320	1250	1100	-	-	-	-	-	-	2090	15	20x18°

Motor build sizes depending on power

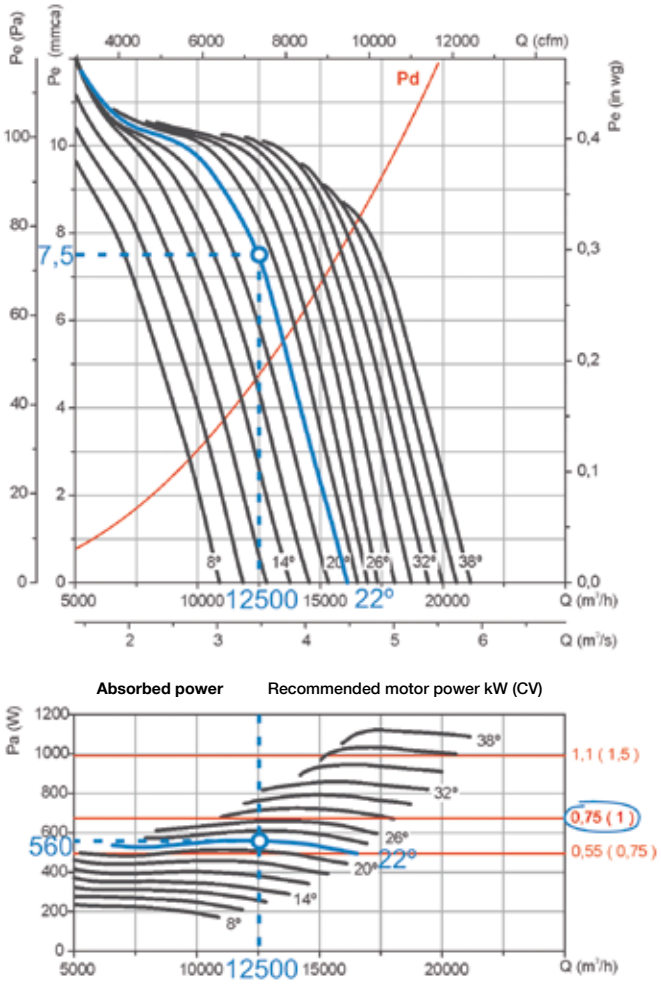
Poles	r/min	C.V.	3	4	5,5	7,5	10	15	20	25	30	40	50	60	75	100
4T	1500		-	-	-	-	132	160	160	180	180	200	225	225	250	280
6T	1000		-	132	132	132	160	160	180	200	200	225	250	280	280	280
8T	750		132	132	160	160	160	180	200	225	225	250	-	-	-	-

EXAMPLE OF SELECTION

Characteristic curves

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

Impeller diameter (cm): 125 Number of poles: 8 Number of blades: 3



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

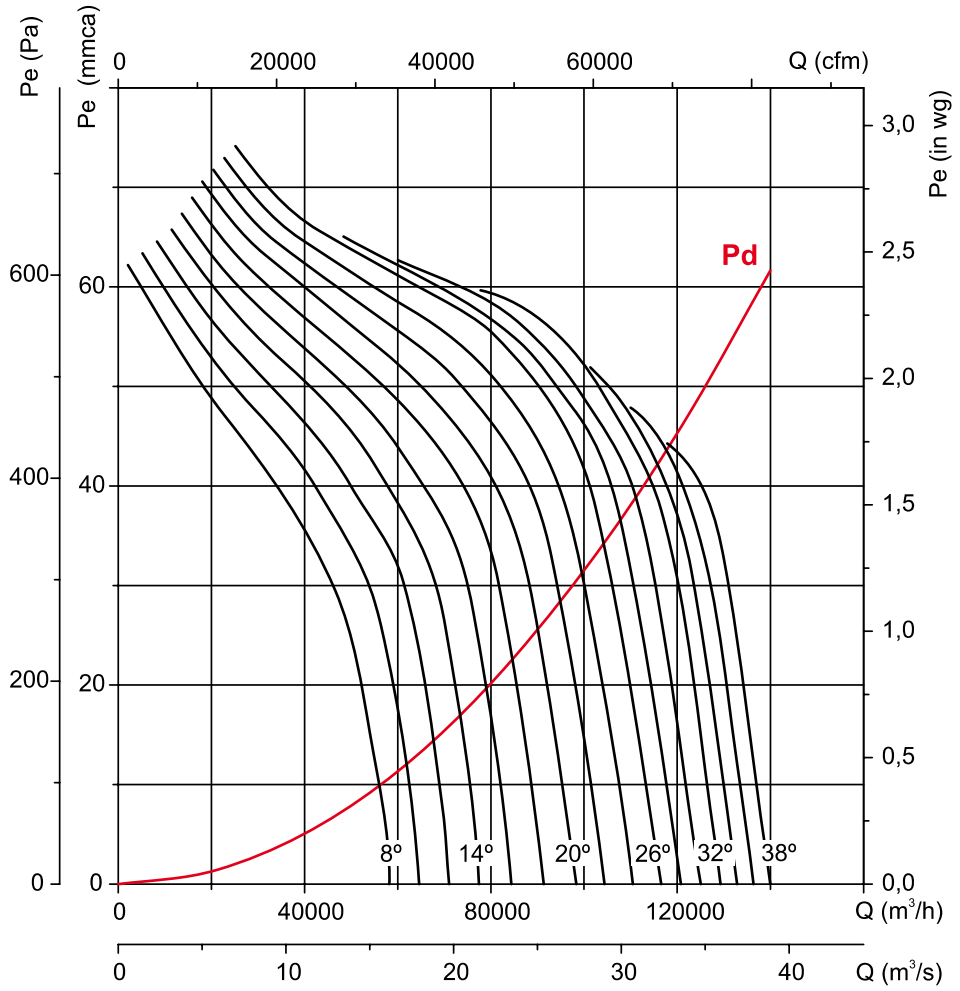
HGT — 125 — 8T — 3 — 1 — 22

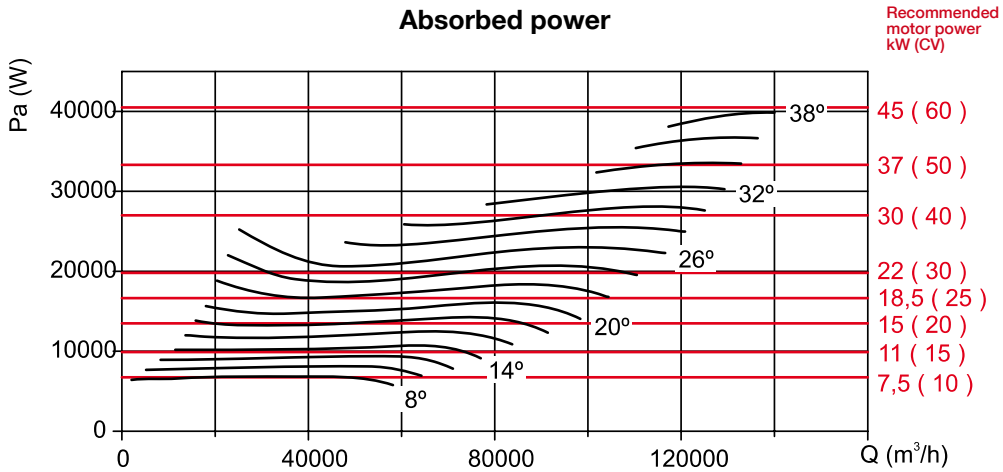
HGT	125	8T	T	3	1	22
HGT: Large long cased axial fans with direct drive motor HGTX: Large long cased axial fans with external motor	Impeller diameter in cm.	Number of motor poles 4=1400 r/min. 50 Hz 6=900 r/min. 50 Hz 8=750 r/min. 50 Hz	T=Three-phase M=Single-phase	Number of blades 3 blades 6 blades 9 blades	Motor power (C.V.)	Angle of inclination of the blades

Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 4** **Number of blades: 3**

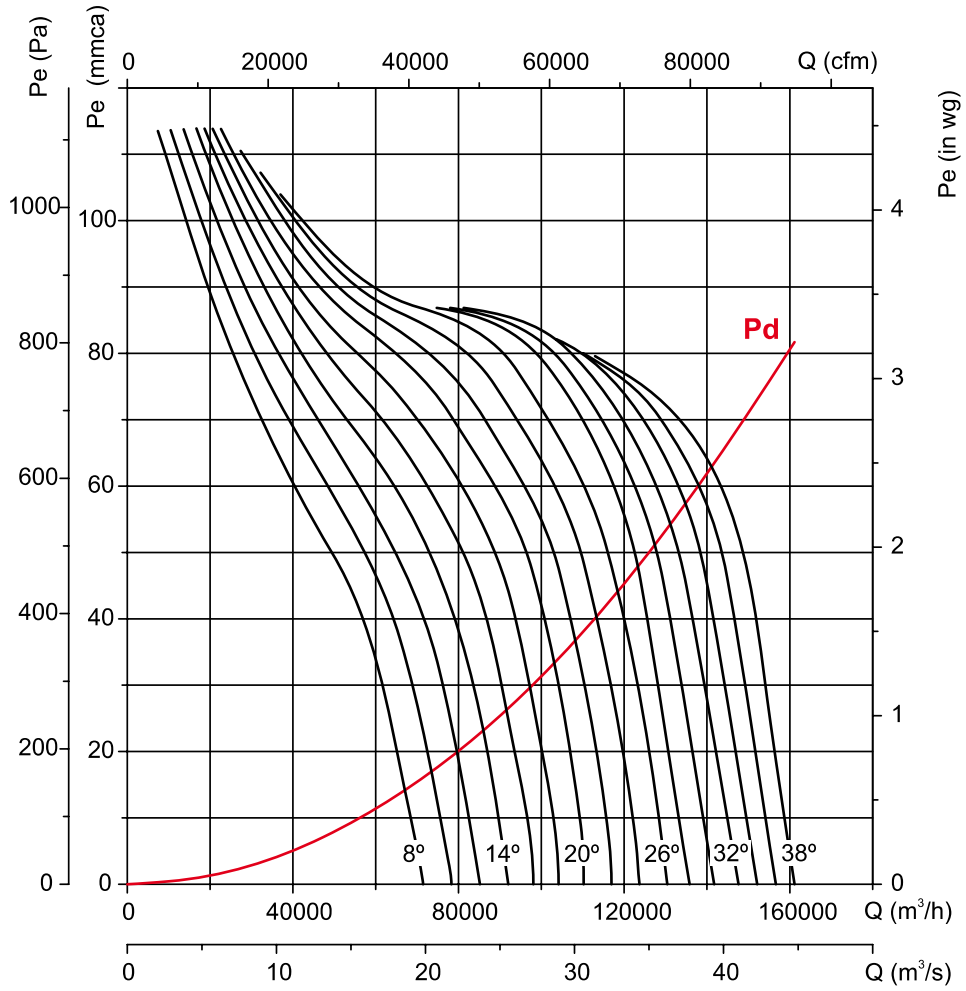


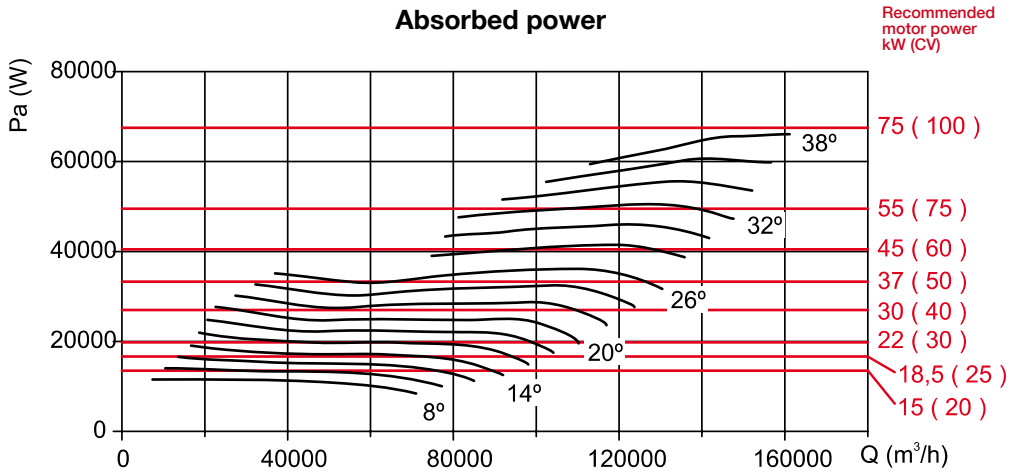


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 4** **Number of blades: 6**

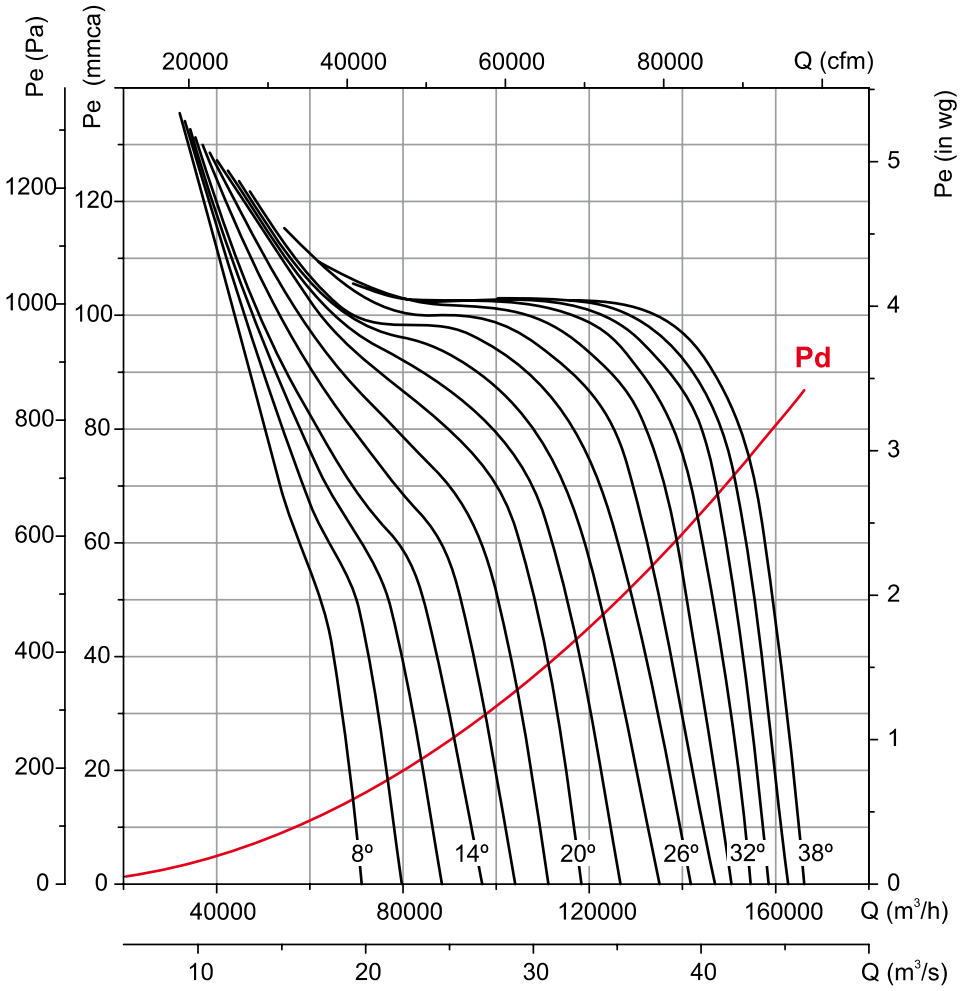


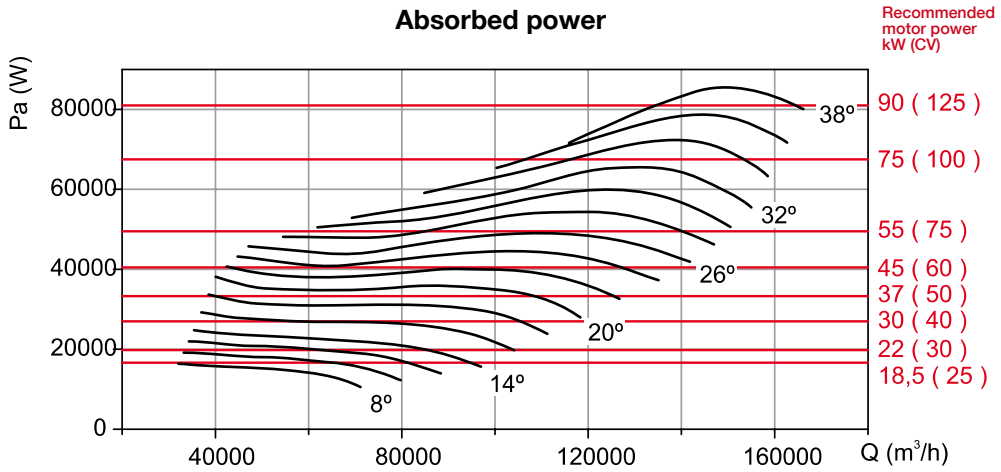


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 4** **Number of blades: 9**

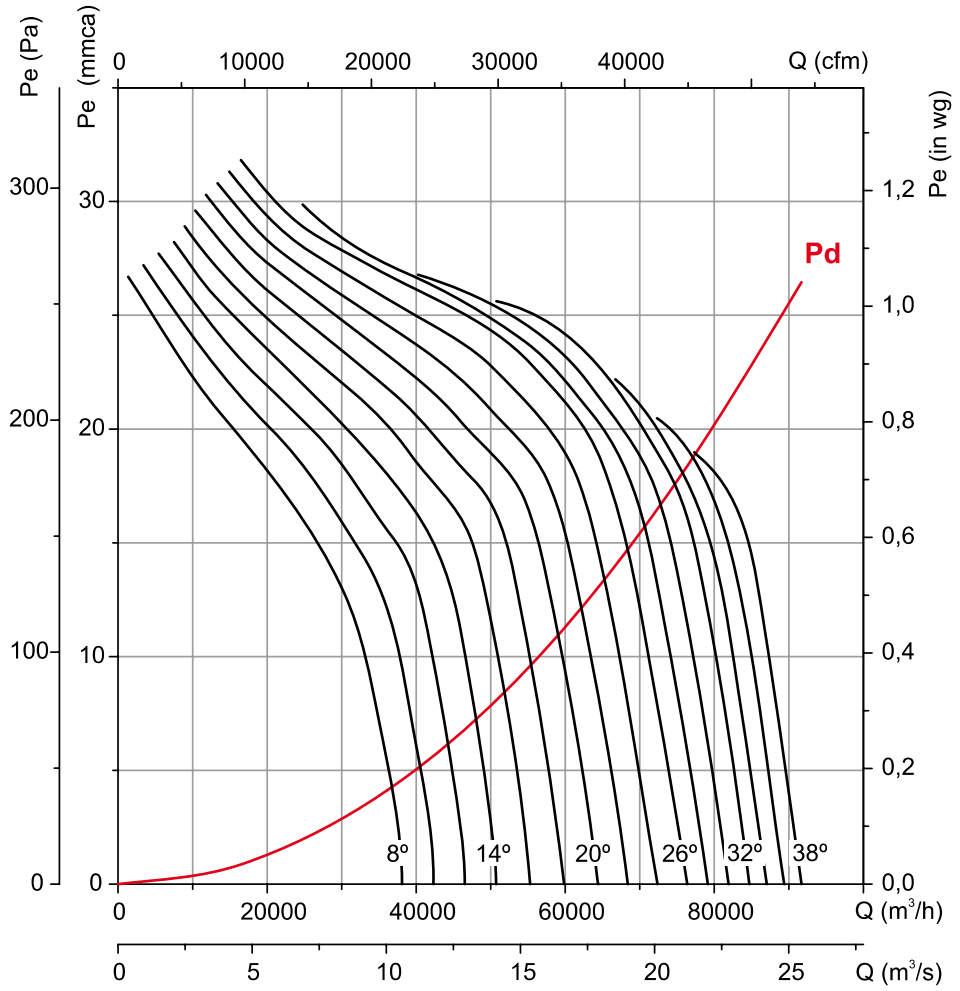


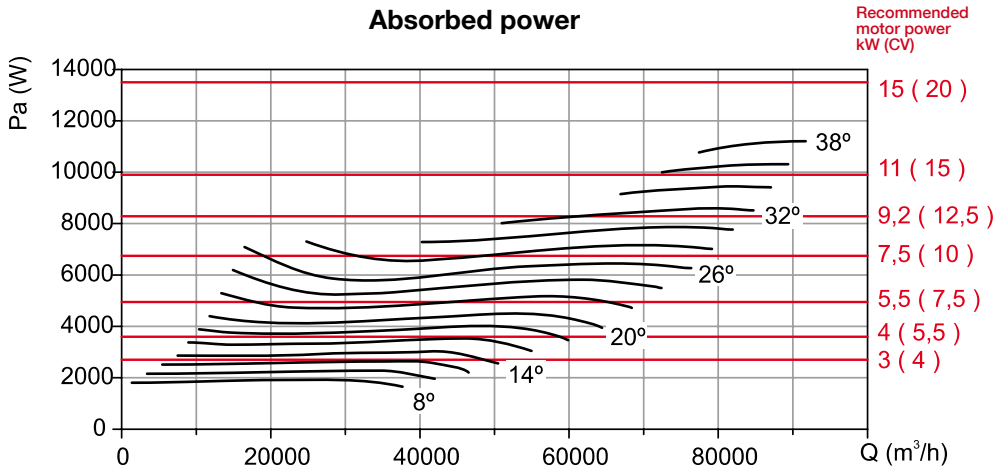


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 6** **Number of blades: 3**

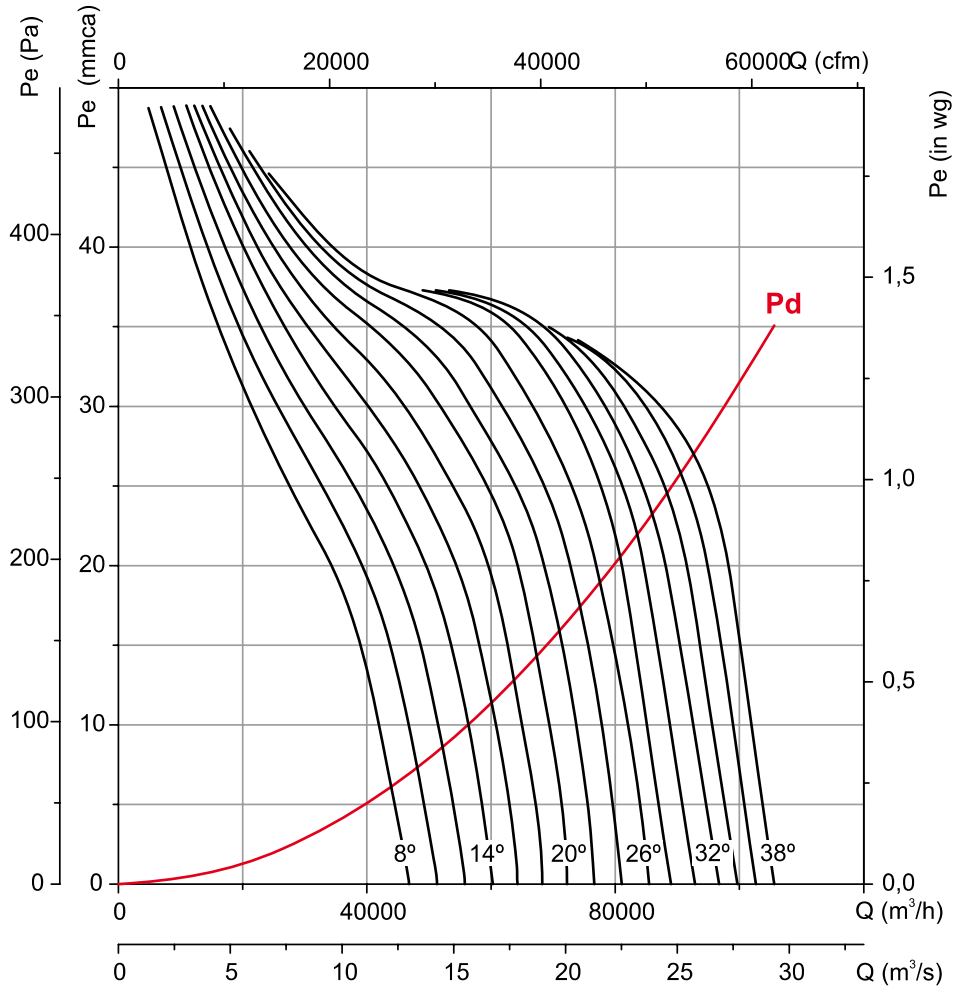


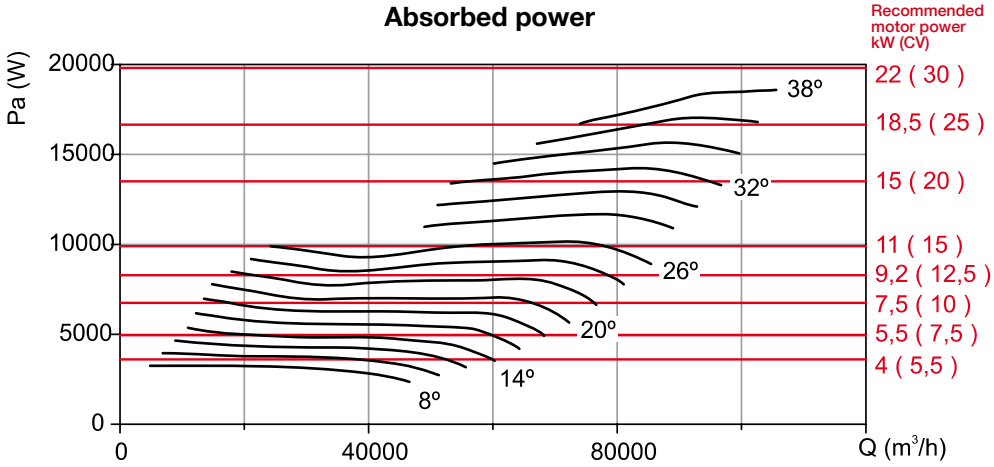


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 6** **Number of blades: 6**



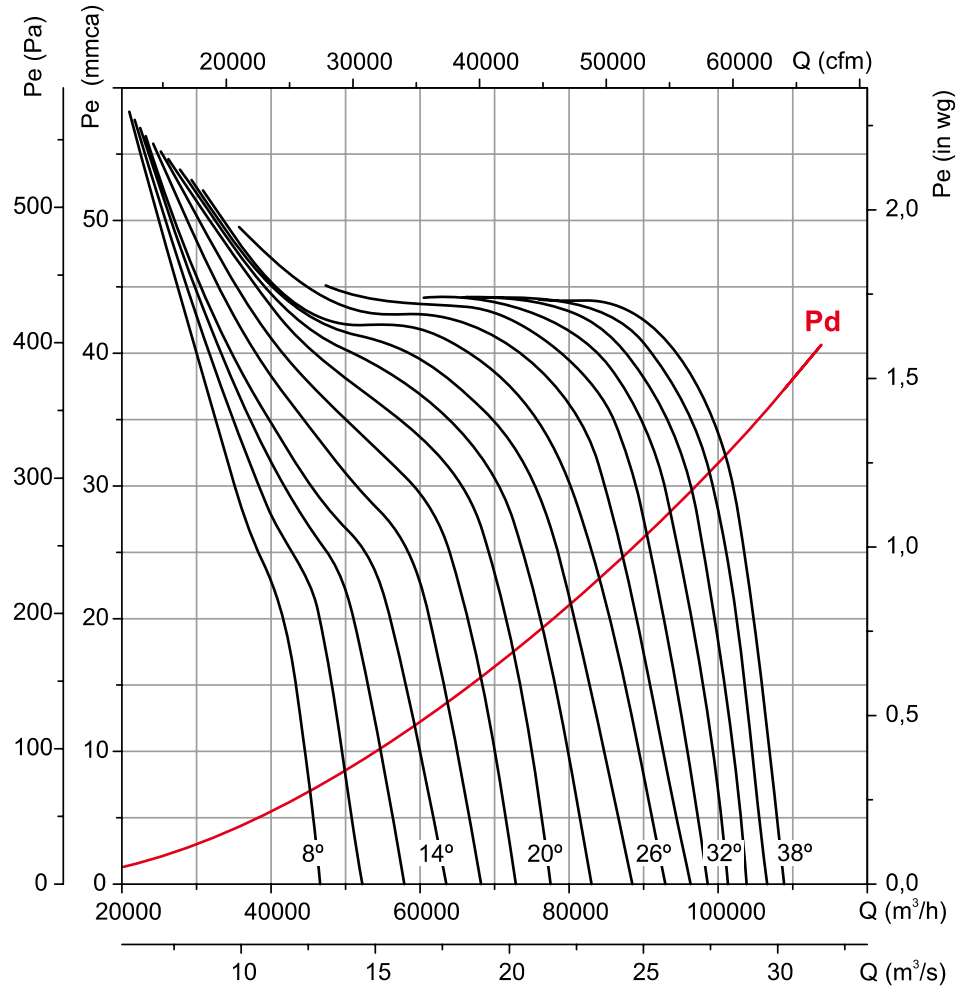


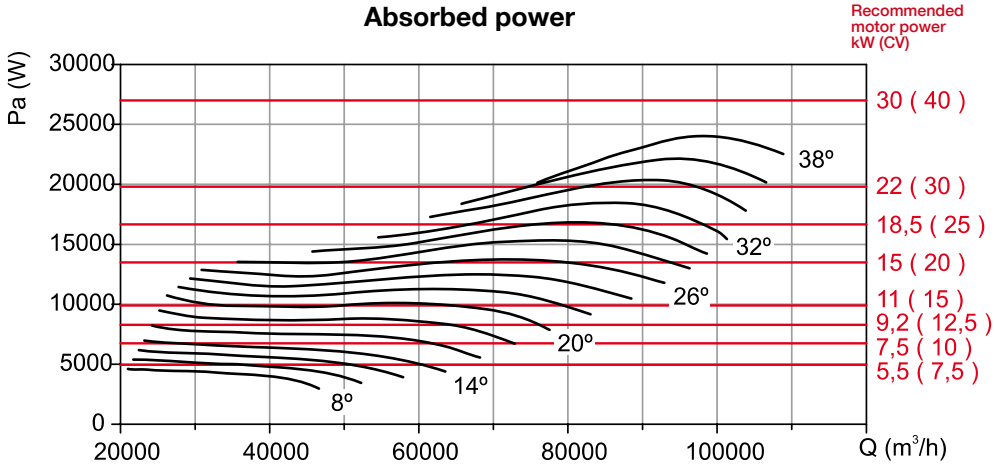
Characteristic curves

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

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

Impeller diameter (cm): 125 **Number of poles: 6** **Number of blades: 9**

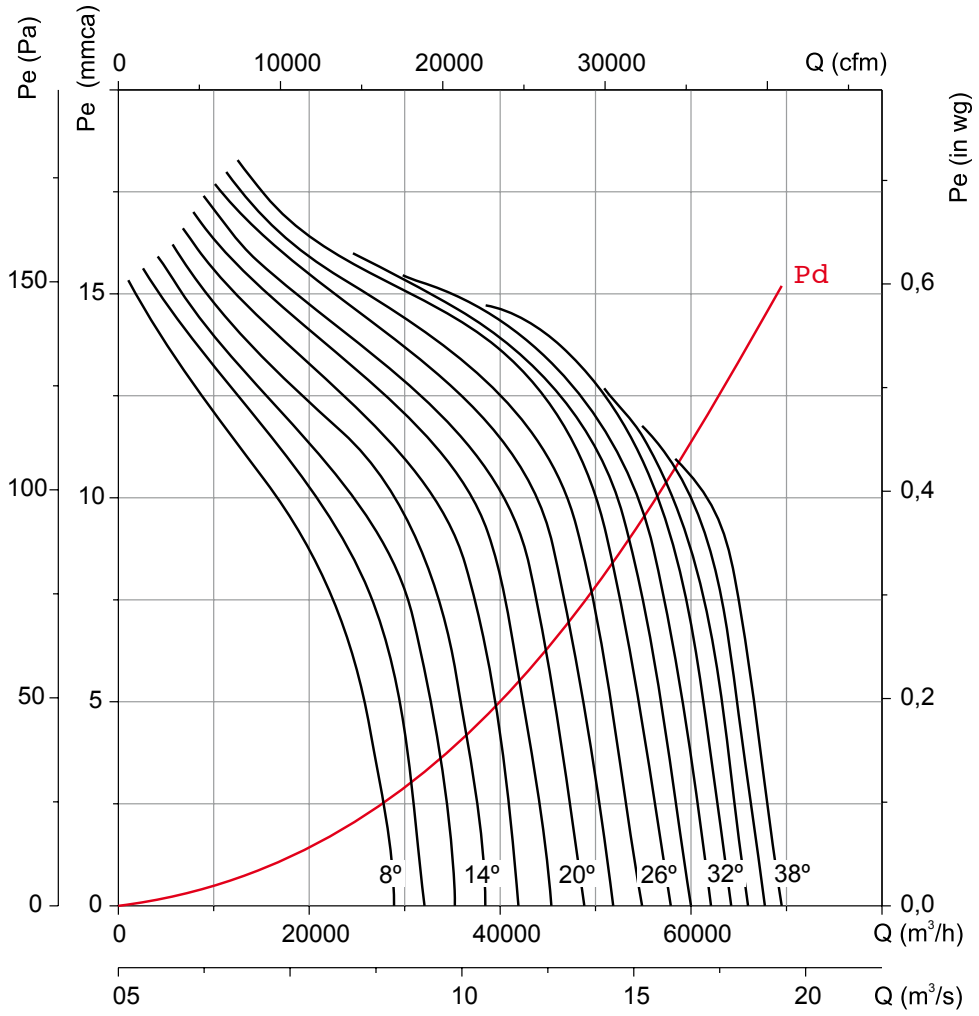


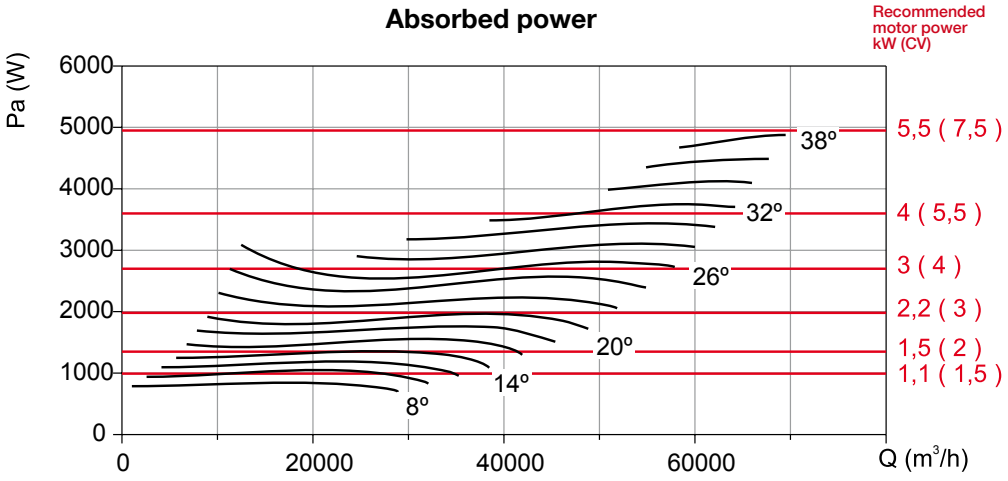


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 8** **Number of blades: 3**

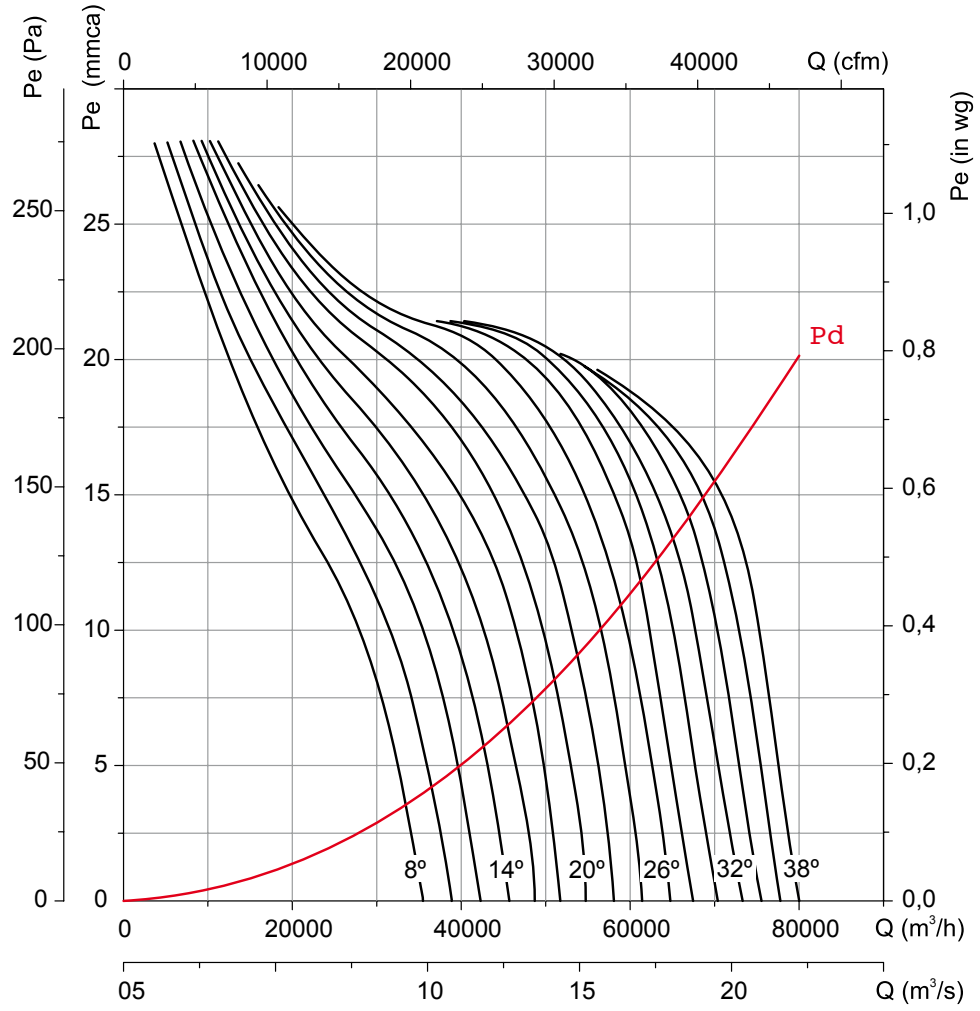


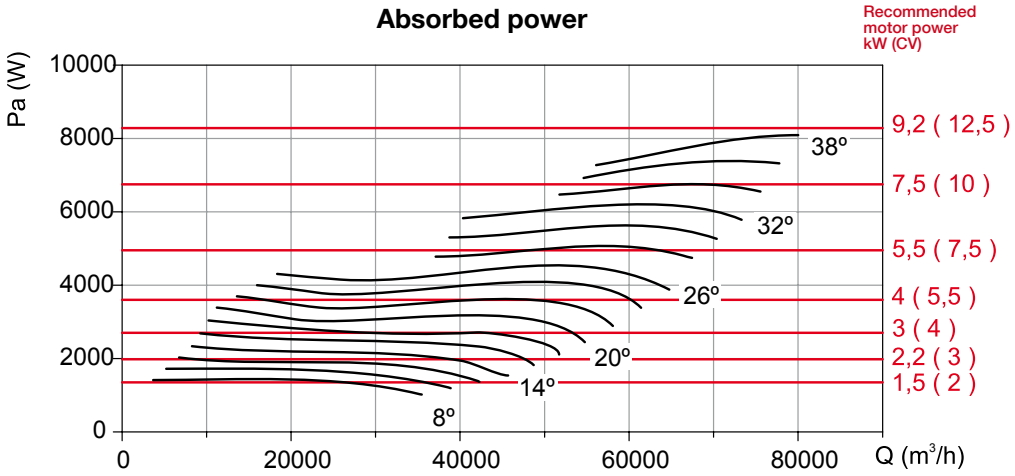


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 8** **Number of blades: 6**

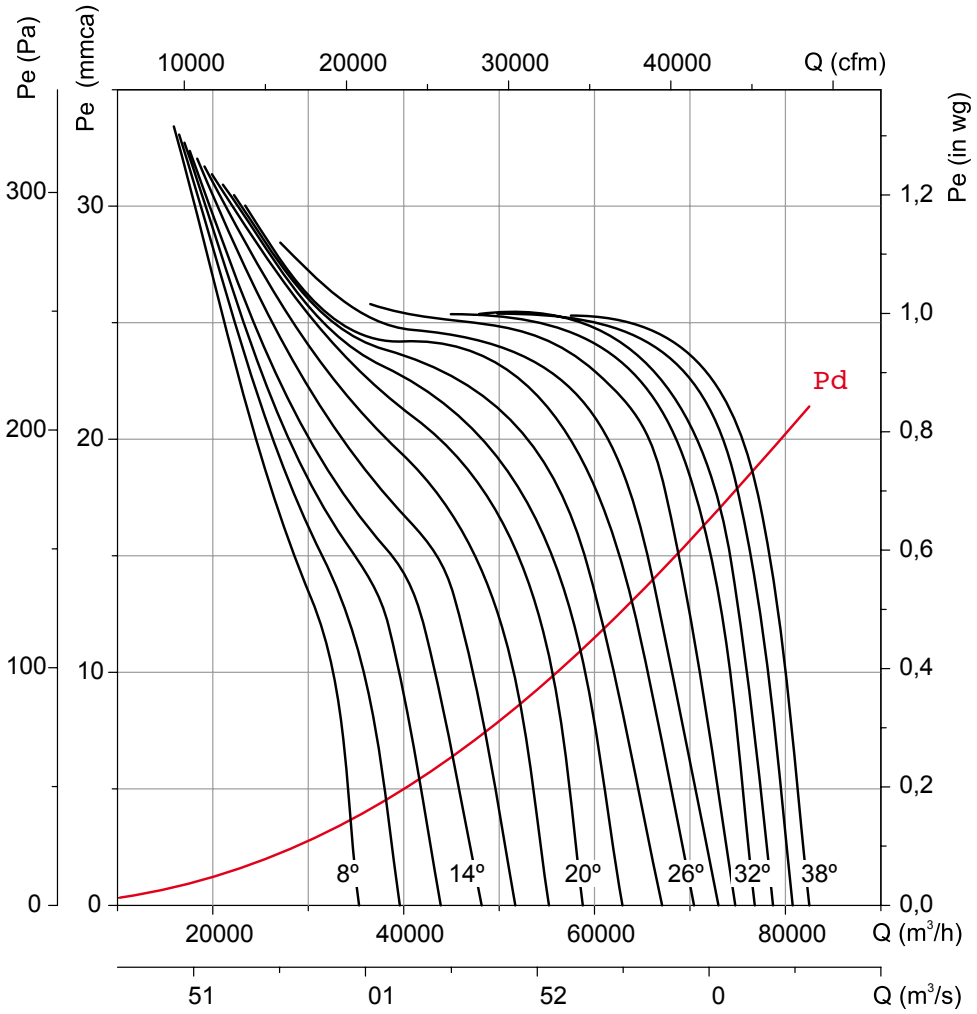


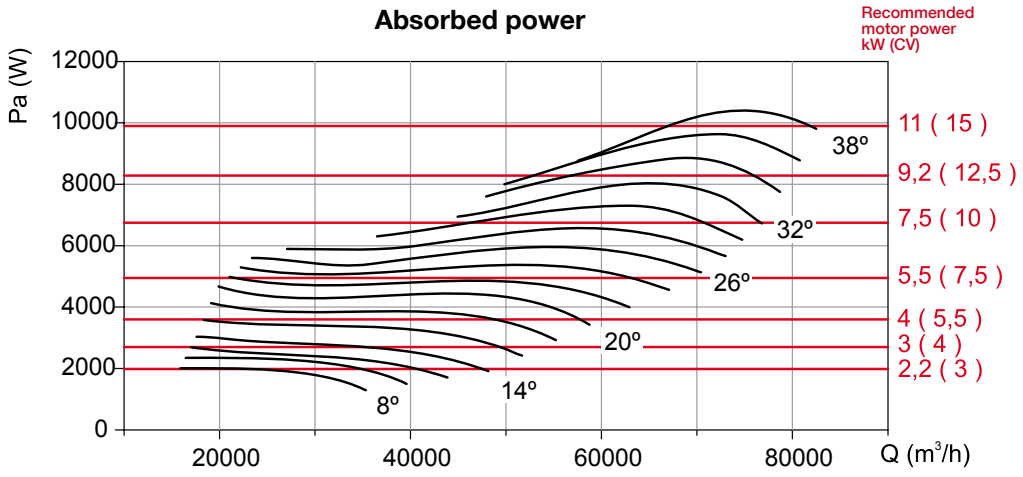


Characteristic curves

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

Impeller diameter (cm): 125 **Number of poles: 8** **Number of blades: 9**



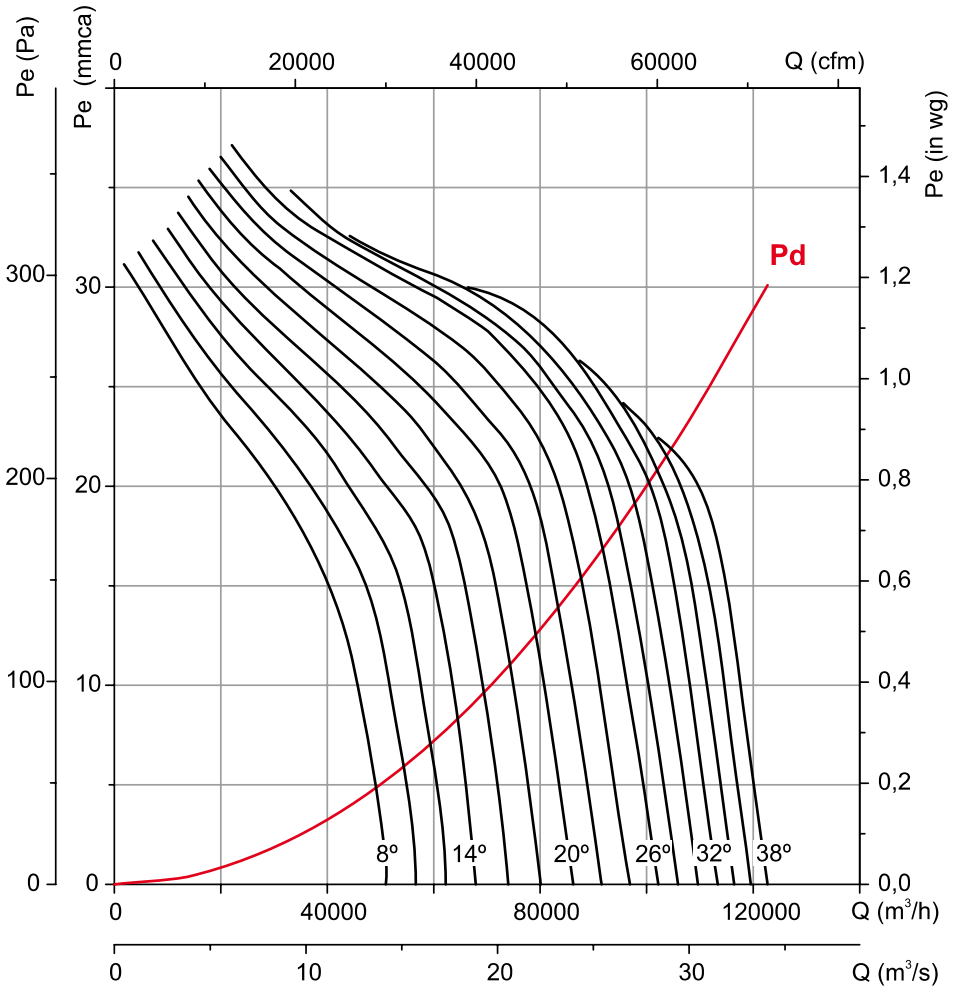


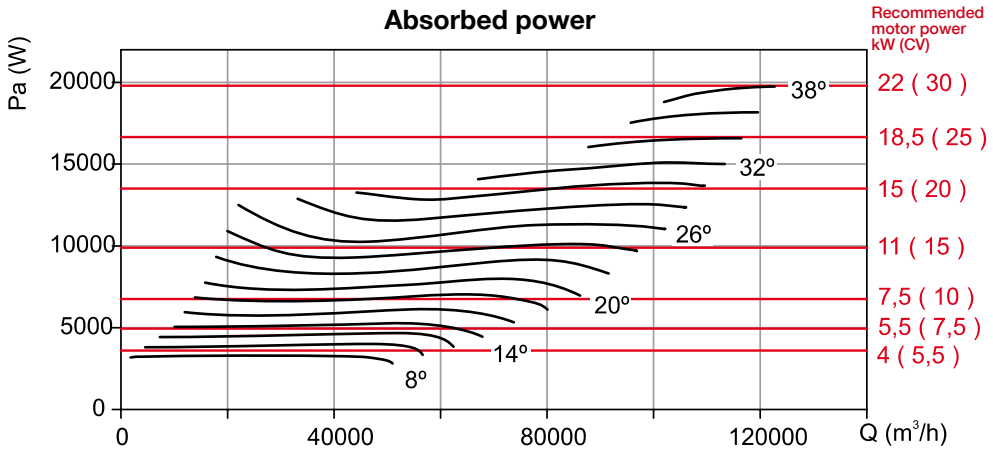
Characteristic curves

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

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

Impeller diameter (cm): 140 **Number of poles: 6** **Number of blades: 3**

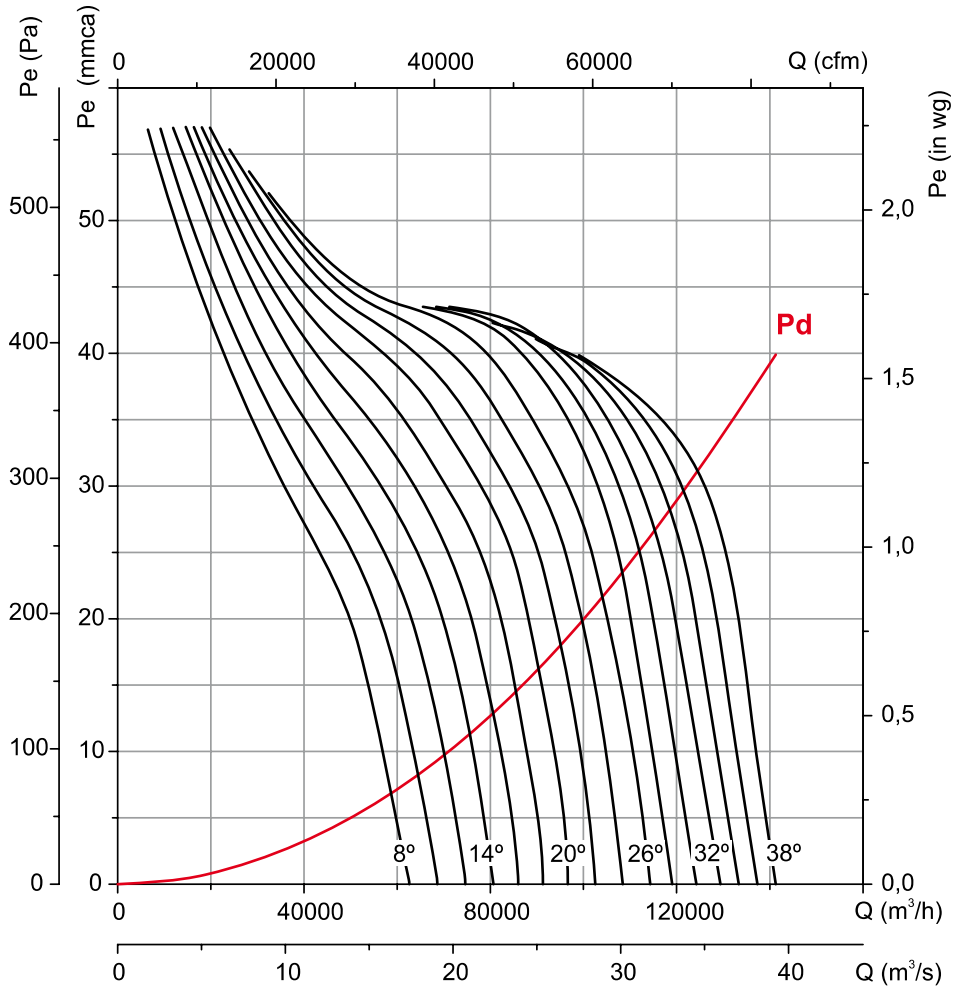


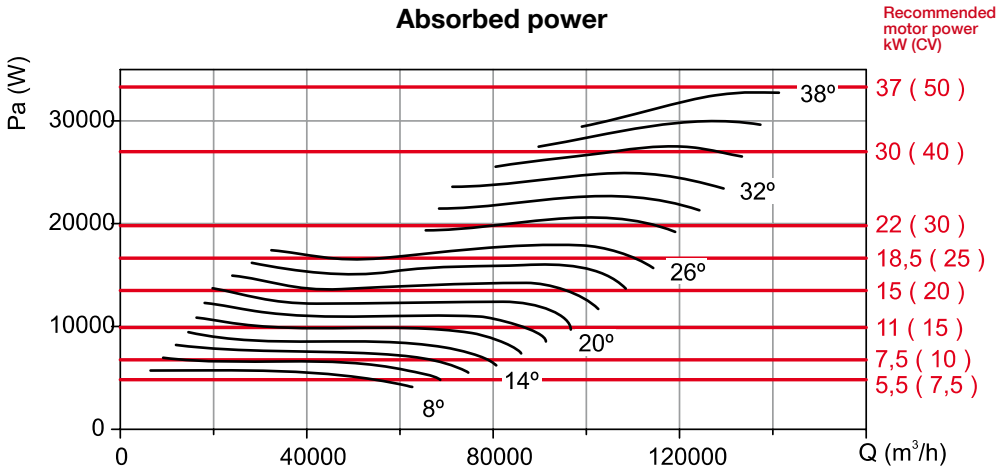


Characteristic curves

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

Impeller diameter (cm): 140 **Number of poles: 6** **Number of blades: 6**

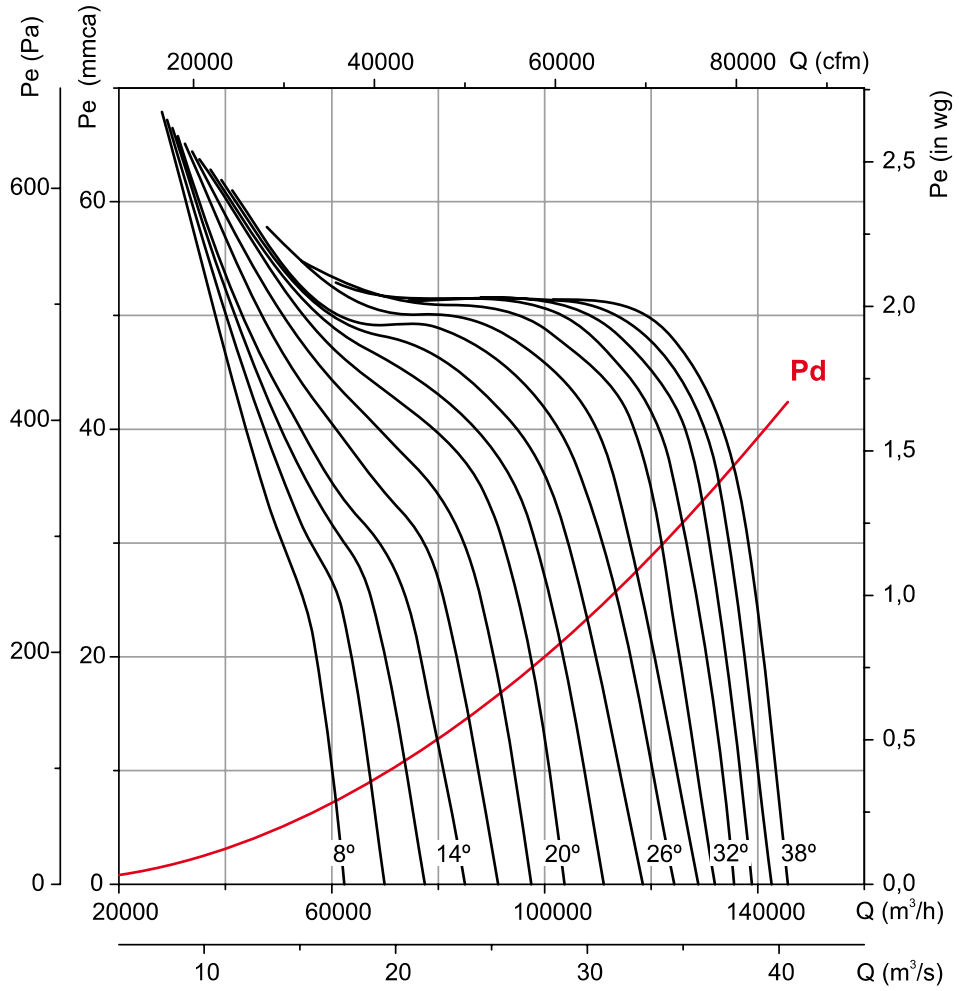


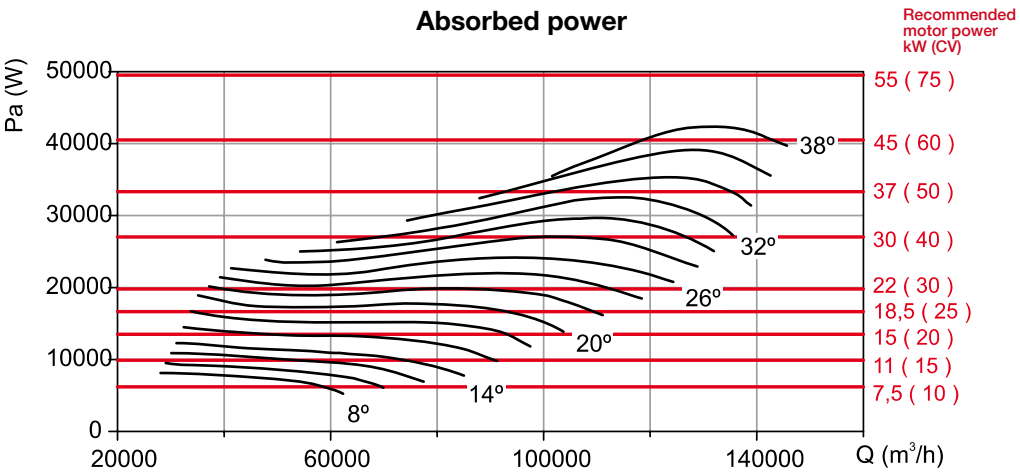


Characteristic curves

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

Impeller diameter (cm): 140 **Number of poles: 6** **Number of blades: 9**

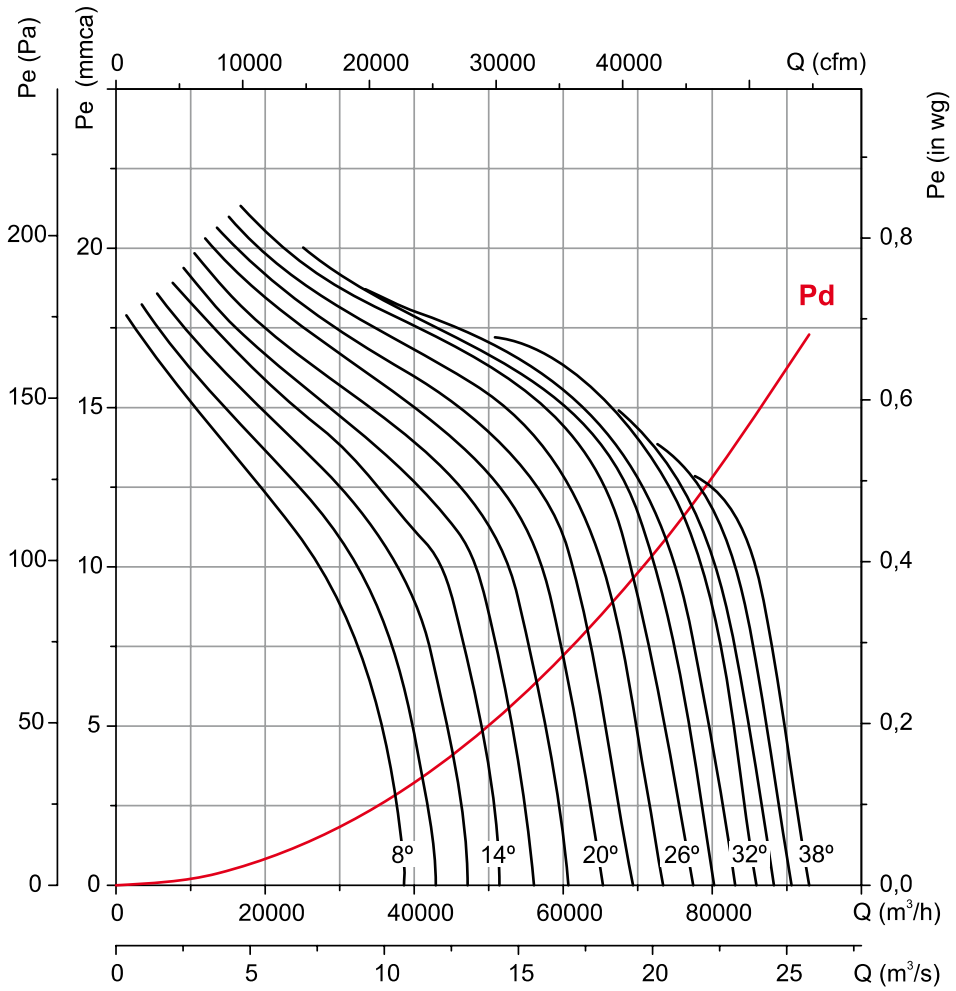


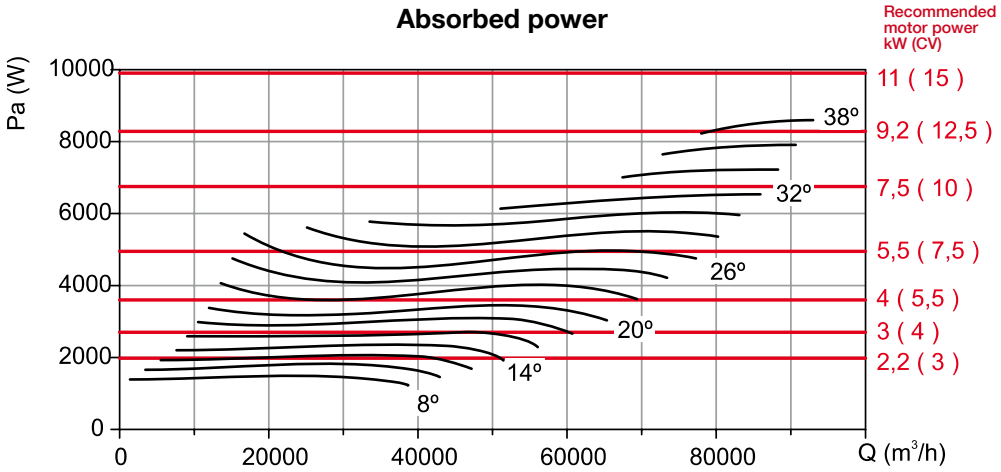


Characteristic curves

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

Impeller diameter (cm): 140 **Number of poles: 8** **Number of blades: 3**



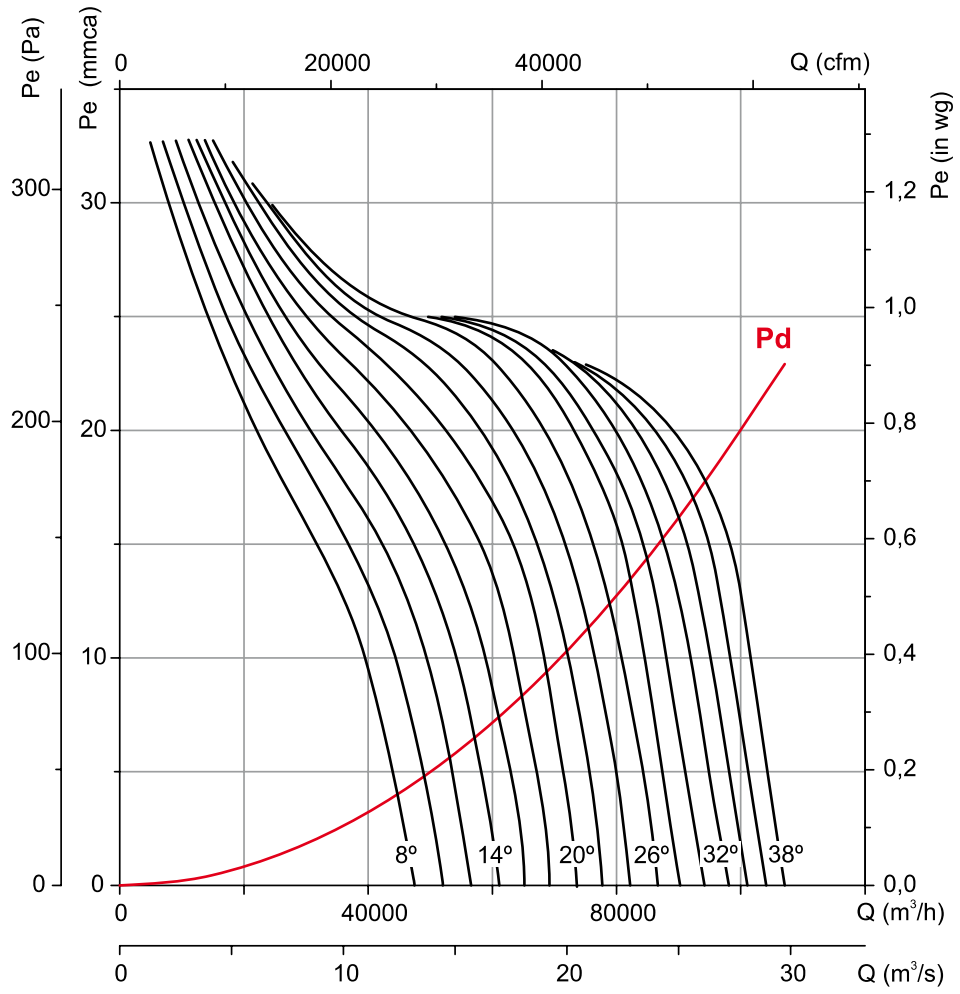


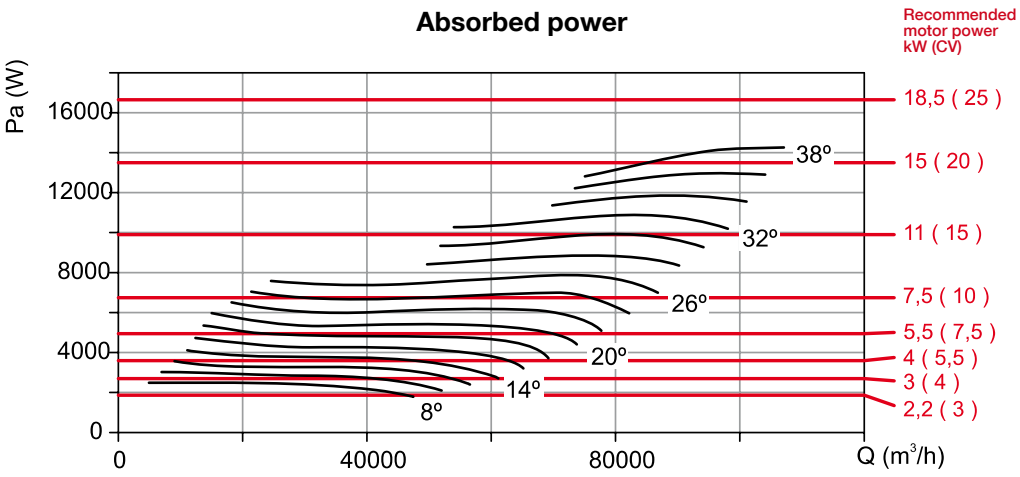
Characteristic curves

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

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

Impeller diameter (cm): 140 **Number of poles: 8** **Number of blades: 6**

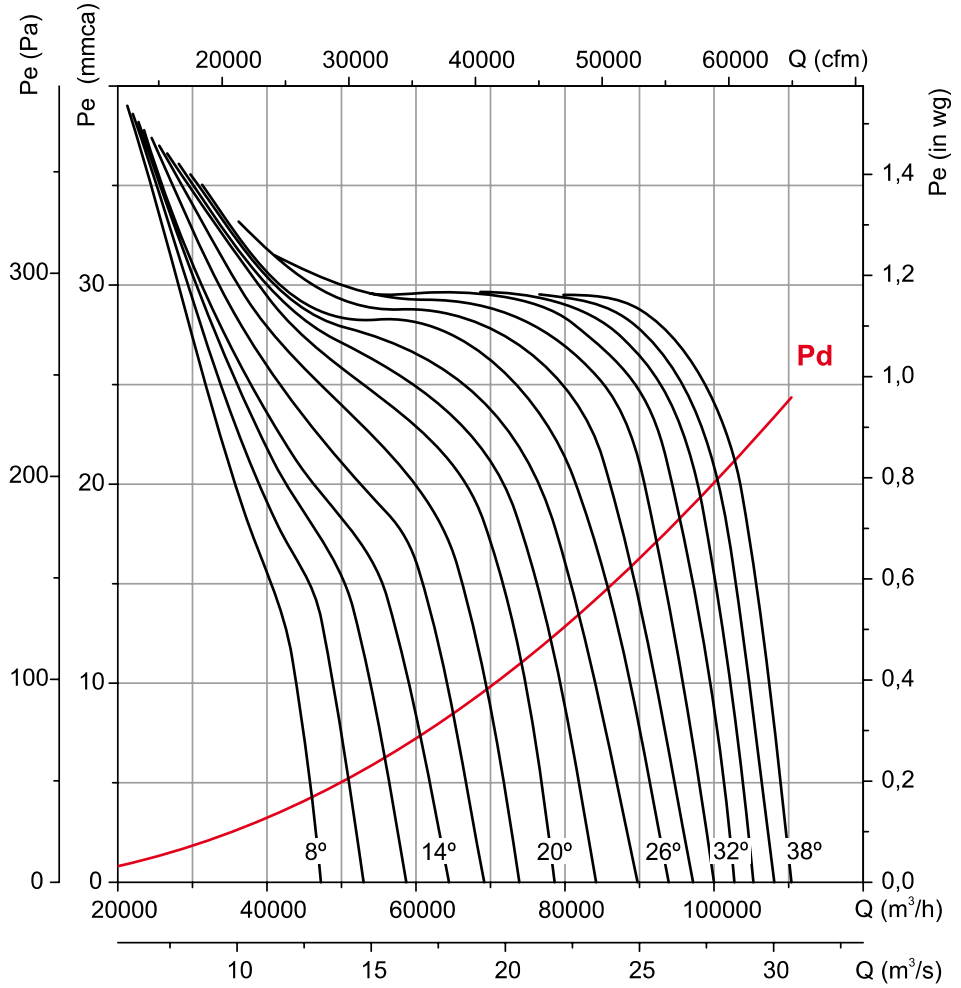


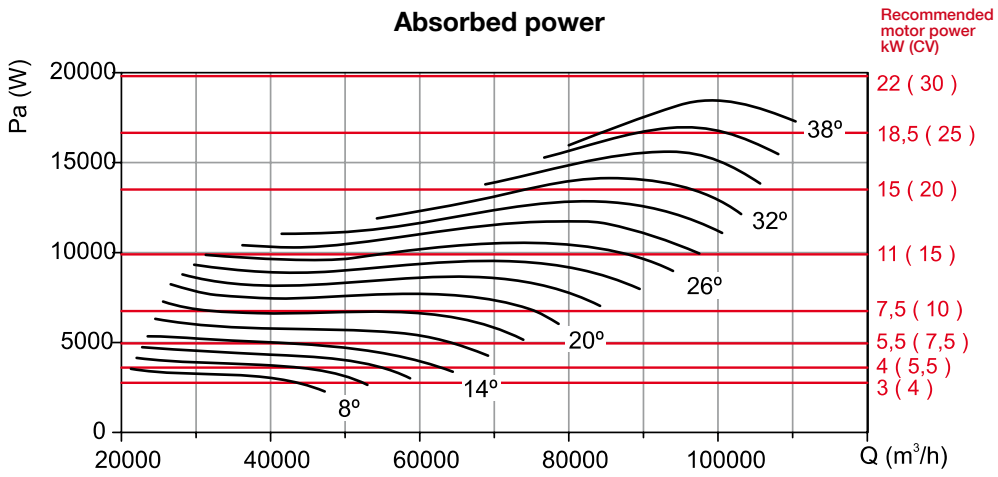


Characteristic curves

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

Impeller diameter (cm): 140 **Number of poles: 8** **Number of blades: 9**



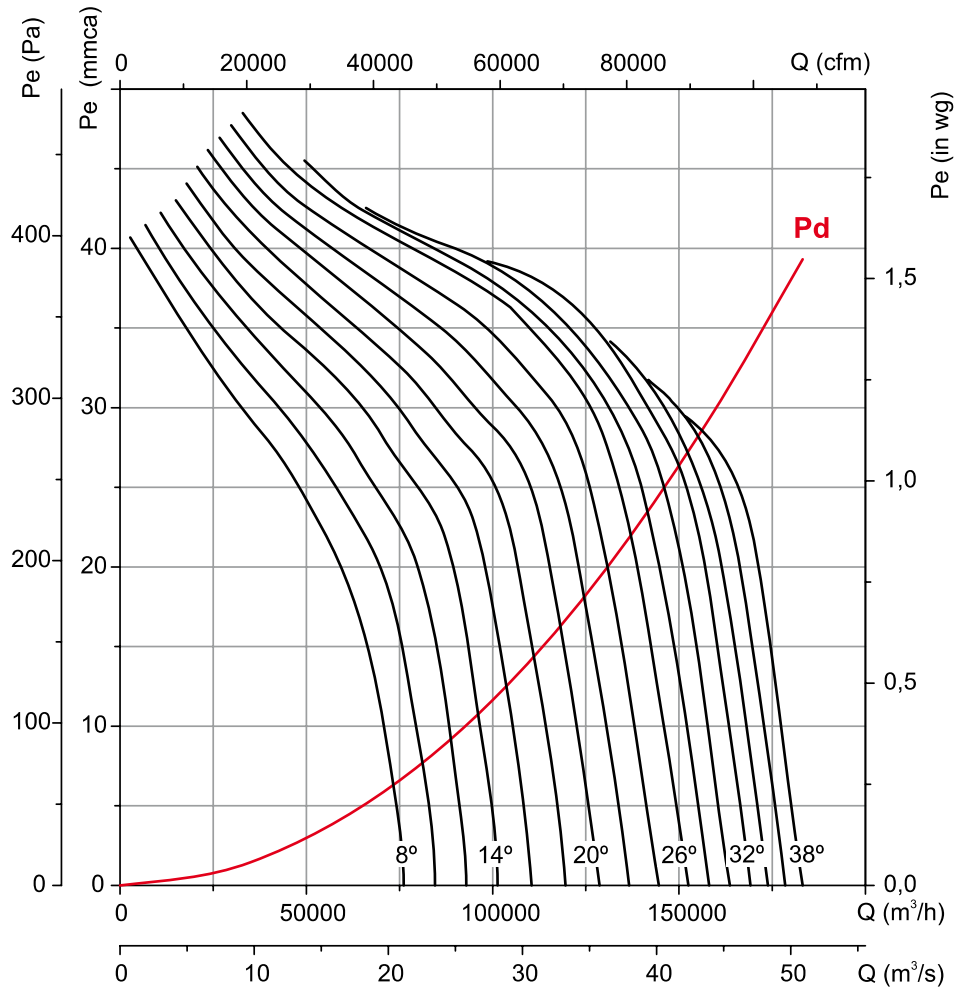


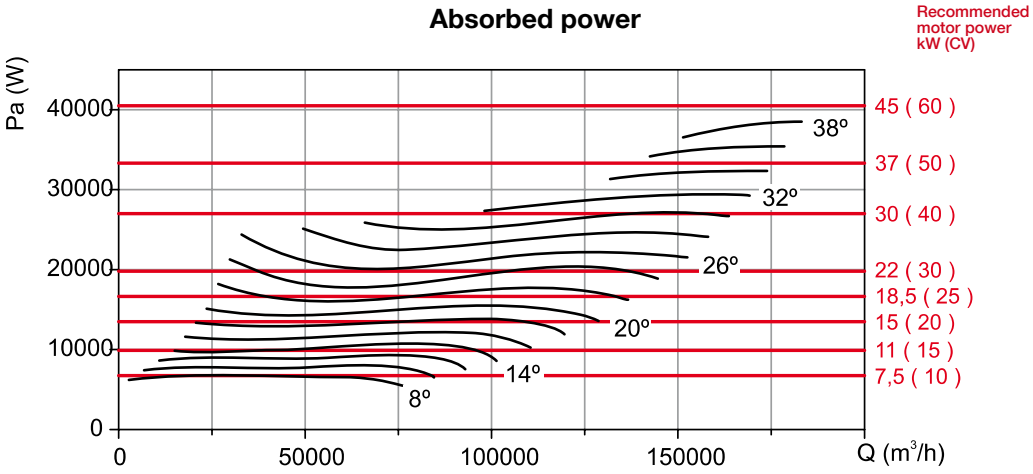
Characteristic curves

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

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

Impeller diameter (cm): 160 **Number of poles: 6** **Number of blades: 3**

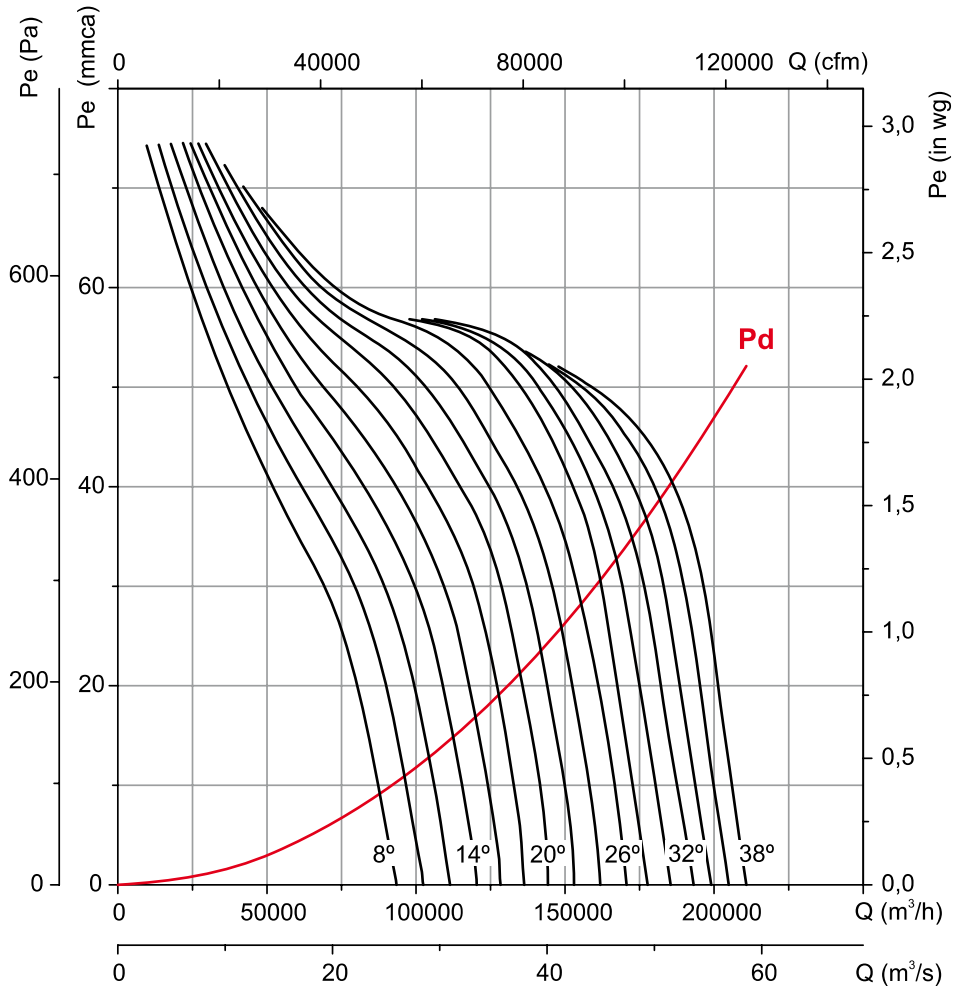


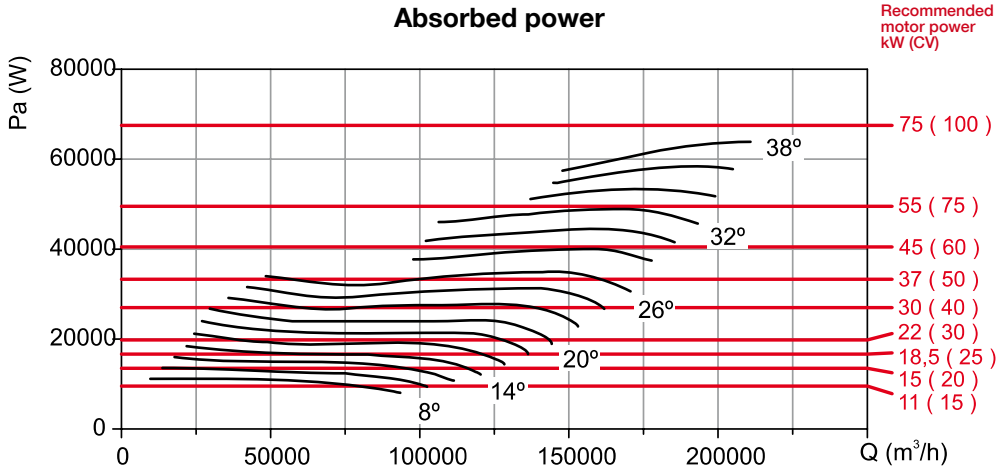


Characteristic curves

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

Impeller diameter (cm): 160 **Number of poles: 6** **Number of blades: 6**

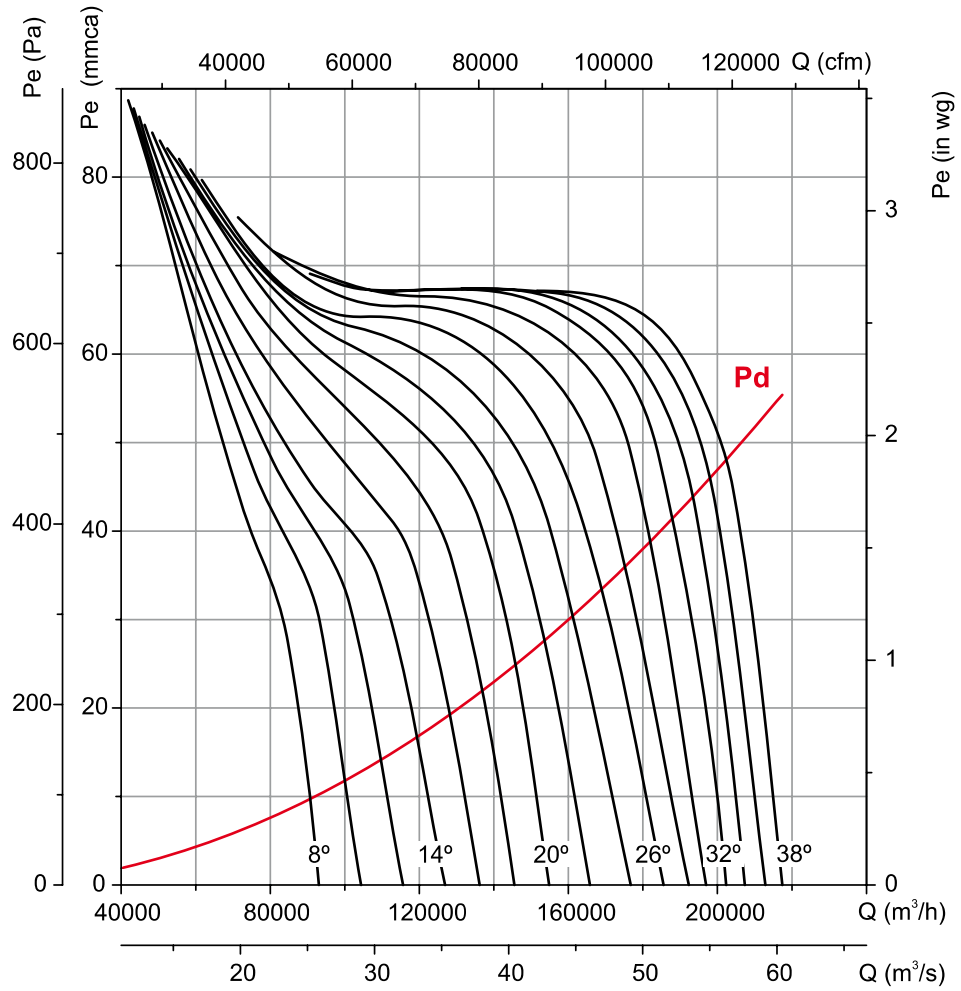




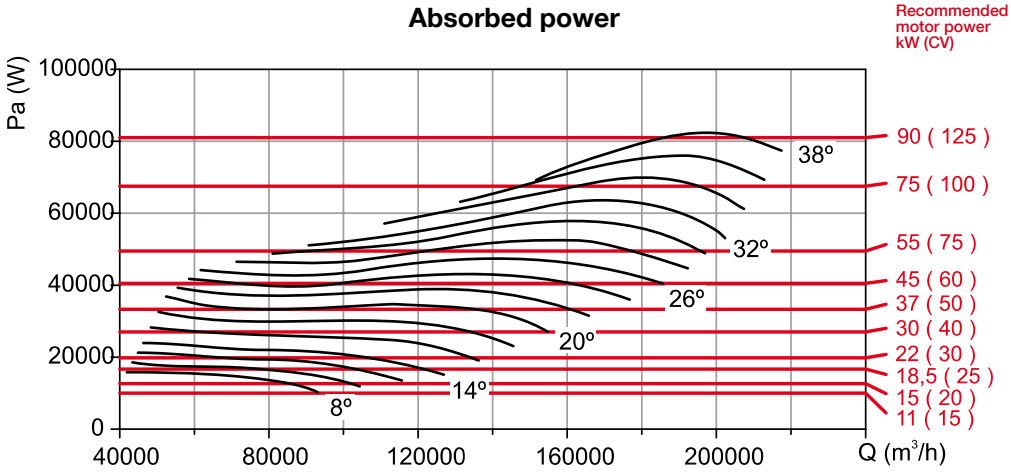
Characteristic curves

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

Impeller diameter (cm): 160 **Number of poles: 6** **Number of blades: 9**



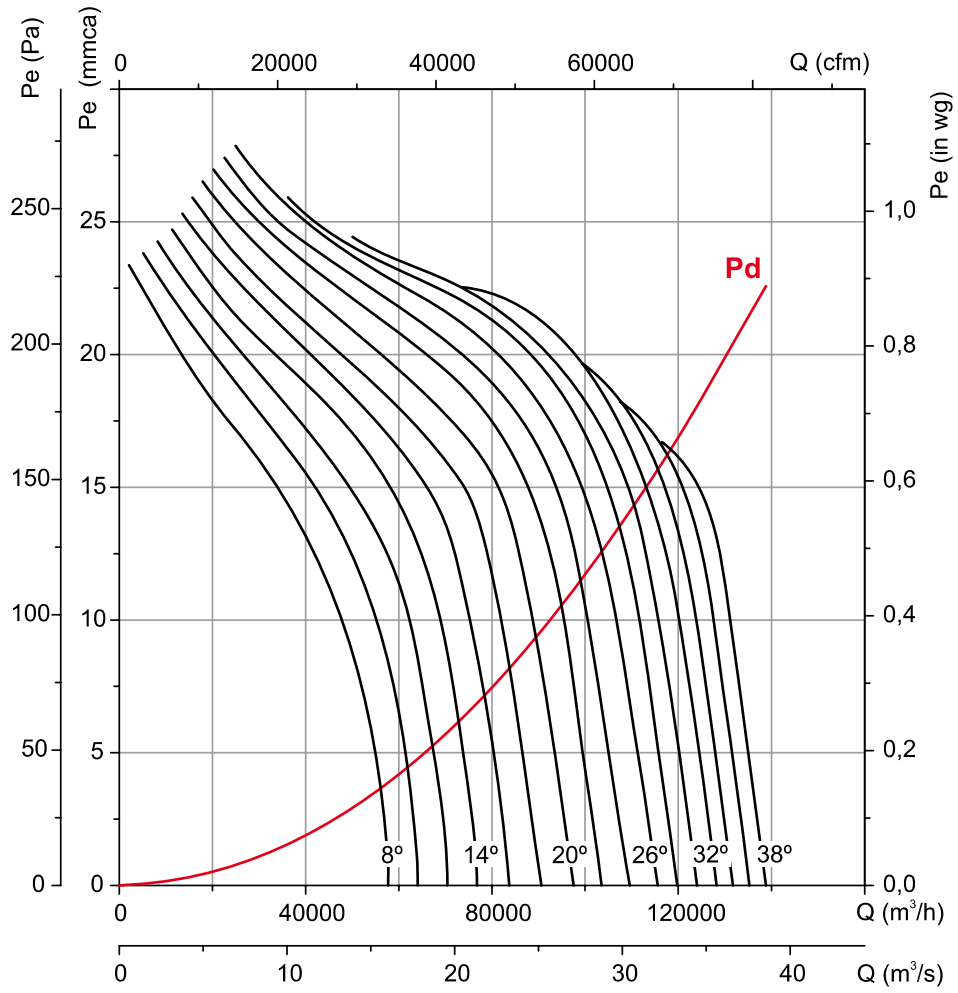
Absorbed power

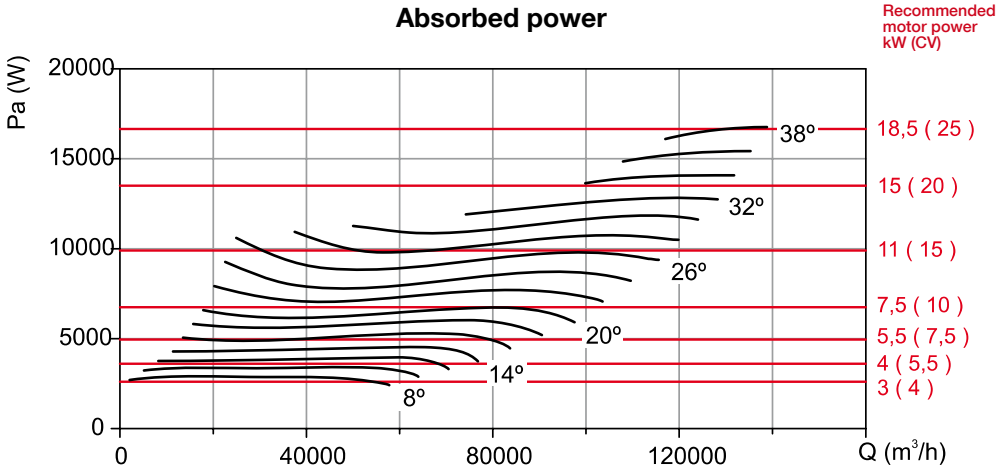


Characteristic curves

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

Impeller diameter (cm): 160 **Number of poles: 8** **Number of blades: 3**

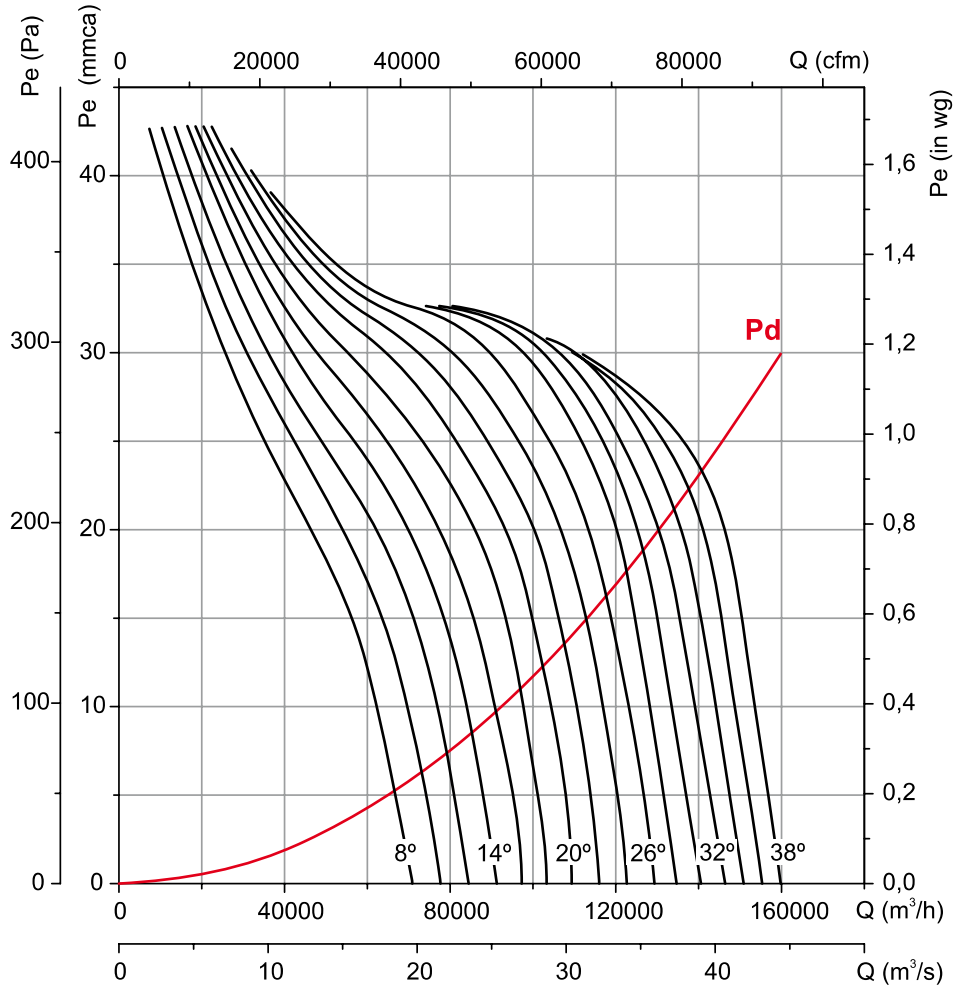




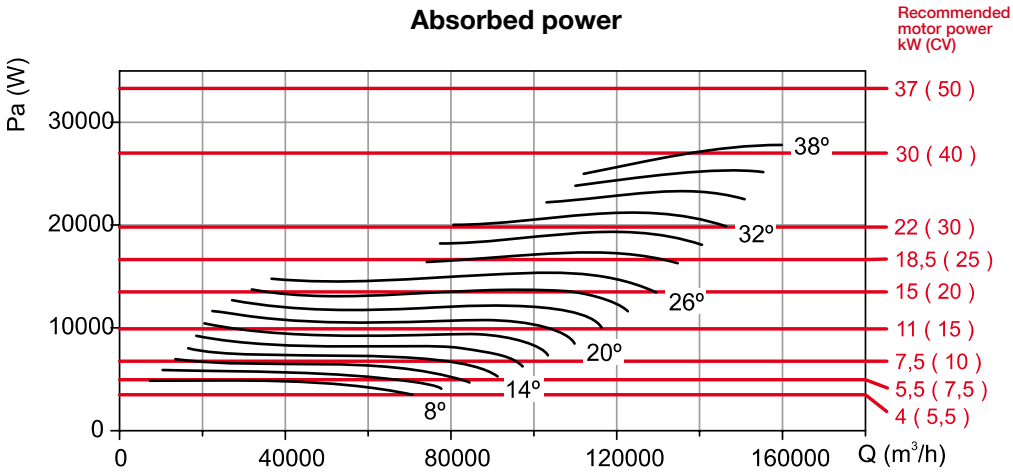
Characteristic curves

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

Impeller diameter (cm): 160 **Number of poles: 8** **Number of blades: 6**



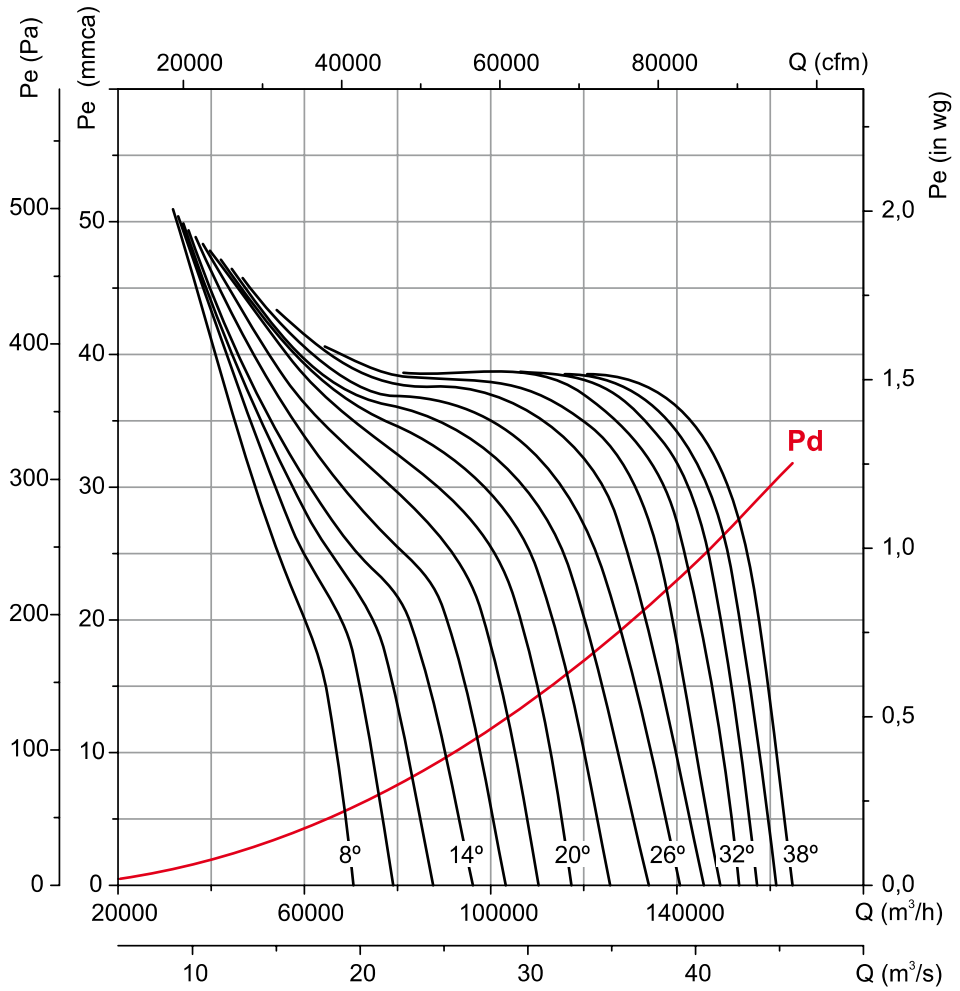
Absorbed power

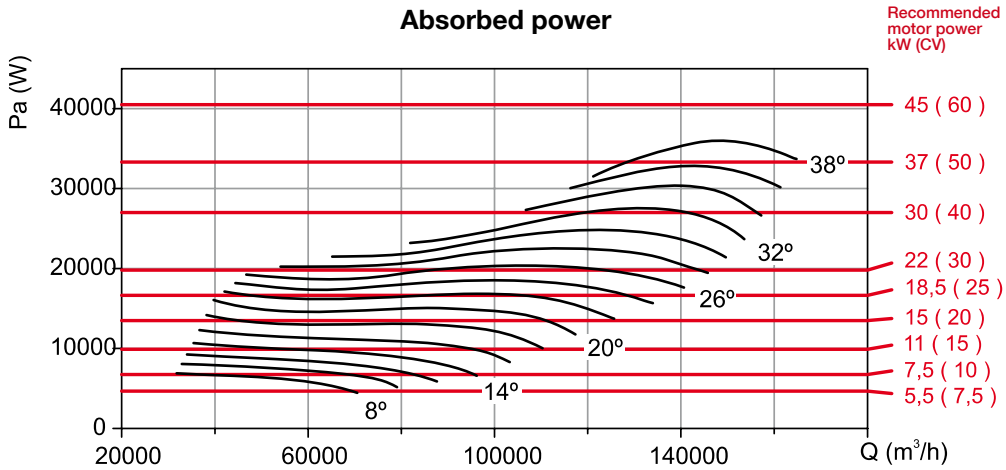


Characteristic curves

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

Impeller diameter (cm): 160 **Number of poles: 8** **Number of blades: 9**





Accessories

See accessories section.

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

HTM

Mobile long-cased axial fans

Mobile fans with possibility of directing airflow.

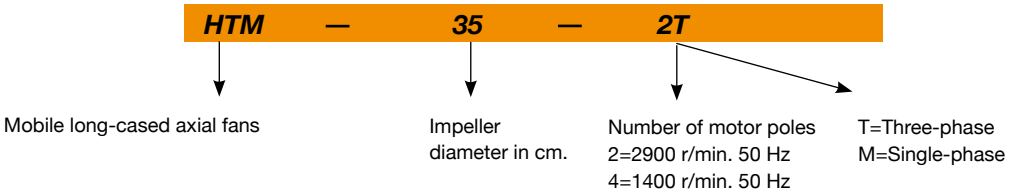
Fan:
- Sheet steel long casing.
- Impeller in polyamide 6 reinforced with fibre glass
- Protection guard against contacts, in accordance with standard UNE 100250, on both sides
- Connection box with start-stop switch that can be rearmed manually to avoid switching the fan on accidentally (ISO 12100-2)
- Airflow direction from motor to impeller

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 35 to size 56, IP54 protection.
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.
- Working temperature: -25ºC.+ 50ºC.

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

On request:
- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different voltages
- ATEX certification, Category 2

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)
HTM-35-2T	2800	2.15	1.25	0.37	5750	77	13
HTM-35-2M	2750	2.90		0.37	5750	77	13
HTM-35-4T	1440	0.67	0.38	0.12	3100	59	12
HTM-35-4M	1440	0.67		0.12	3100	59	12
HTM-40-4T	1450	1.45	0.84	0.25	5100	64	19
HTM-40-4M	1450	1.90		0.25	5100	64	19
HTM-45-4T	1375	1.99	1.15	0.37	7100	68	22
HTM-45-4M	1375	3.10		0.37	7100	68	22
HTM-56-4T	1380	3.12	1.80	0.55	11000	72	27
HTM-56-4M	1375	4.40		0.55	11000	72	27
HTM-63-4T	1410	5.20	3.00	1.10	18300	74	35

Acoustic features

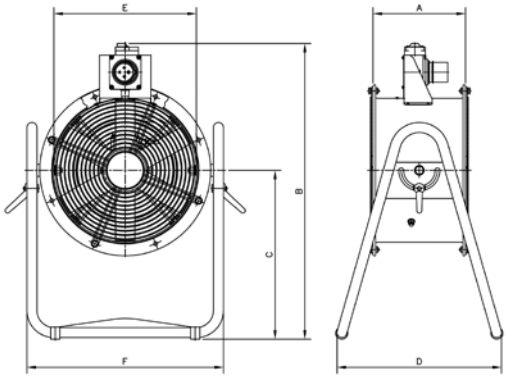
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

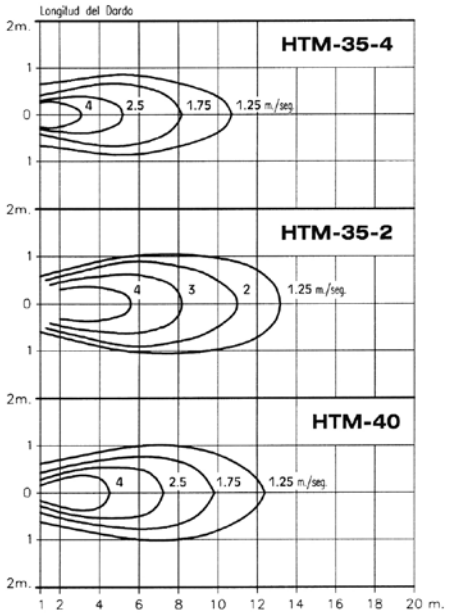
Model	63	125	250	500	1000	2000	4000	8000
45-4	33	50	62	70	75	75	71	64
56-4	39	56	69	76	81	82	77	70
63-4	43	60	73	80	85	86	81	74

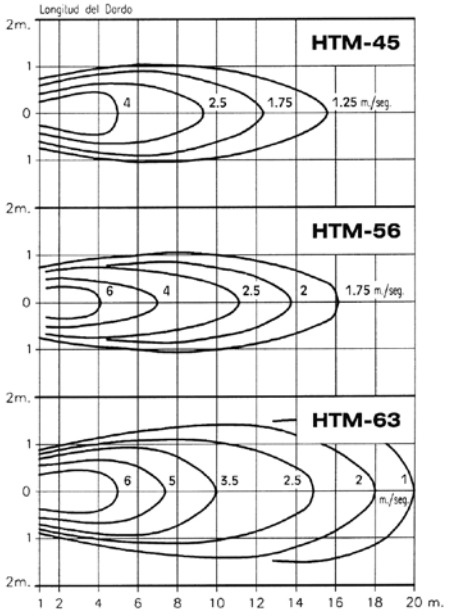
Dimensions in mm



Model	A	B	C	D	E	F
HTM-35	280	736	420	415	355	489
HTM-40	320	775	481	450	410	596
HTM-45	360	795	481	453	460	596
HTM-56	400	945	594	522	560	726
HTM-63	430	978	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 BTUB S SI

HPX

Long cased axial fans with external motor

Long cased belt-driven axial fans with casing opening up to 180º.

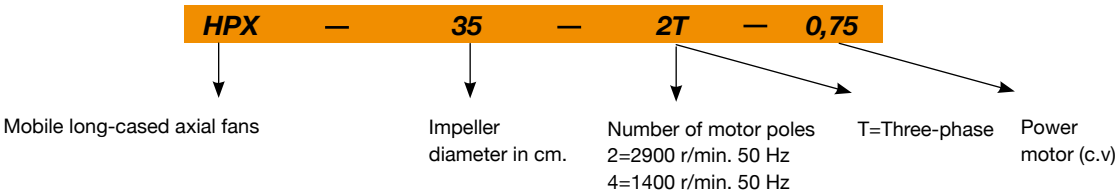
Fan:
- Long casing with sheet steel twist-lock cap.
- Impellers made from cast aluminium
- Sealed transmission unit (IP66) with double retention system
- Airflow direction from motor to impeller

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP55 protection
- 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.+ 150ºC.

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

On request:
- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different voltages
- ATEX Certification, category 2 (see HPX/ATEX series)

Order code



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)
HPX-35-2T-0,75	2720	2.36	1.36		0.55	4750	77	22
HPX-35-4T-0,33	1420	1.58	0.91		0.25	2500	60	20
HPX-45-4T-0,33	1200	1.58	0.91		0.25	6300	69	32
HPX-45-4T-0,50	1420	1.94	1.12		0.37	6600	70	35.5
HPX-50-4T-0,75	1310	2.51	1.45		0.55	9000	70	32.5
HPX-50-4T-1	1500	3.22	1.86		0.75	10800	71	34
HPX-56-4T-0,75	1380	2.51	1.45		0.55	11300	72	35.5
HPX-56-4T-1	1420	3.22	1.86		0.75	12200	73	35.5
HPX-56-4T-1,5	1420	4.59	2.65		1.10	14500	75	39
HPX-63-4T-1,5	1300	4.59	2.65		1.10	16000	74	59
HPX-63-4T-2	1420	5.98	3.45		1.50	17500	78	63
HPX-71-4T-1,5	1200	4.59	2.65		1.10	20300	78	73.5
HPX-71-4T-2	1350	5.98	3.45		1.50	22500	79	76.8
HPX-71-4T-3	1450	8.49	4.90		2.20	24000	81	85.2
HPX-80-4T-3	1200	8.49	4.90		2.20	29000	83	95
HPX-80-4T-4	1350	11.26	6.50		3.00	32000	84	100
HPX-80-4T-5,5	1450	14.38	8.30		4.00	40500	84	106
HPX-90-4T-5,5	1280	14.38	8.30		4.00	44000	89	118
HPX-90-4T-7,5	1400		11.40	6.60	5.50	51000	91	132
HPX-100-4T-10	1450		15.10	8.70	7.5	63000	93	159
HPX-100-4 T-15	1450		21.40	12.40	11.0	68000	94	181

Acoustic features

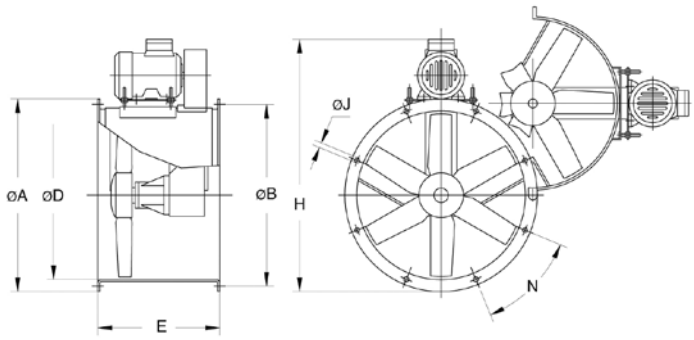
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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
56-4-075	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
74-4-2	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	101	106	108	105	98	87
100-4-15	74	94	102	107	109	106	99	88

Dimensions in mm

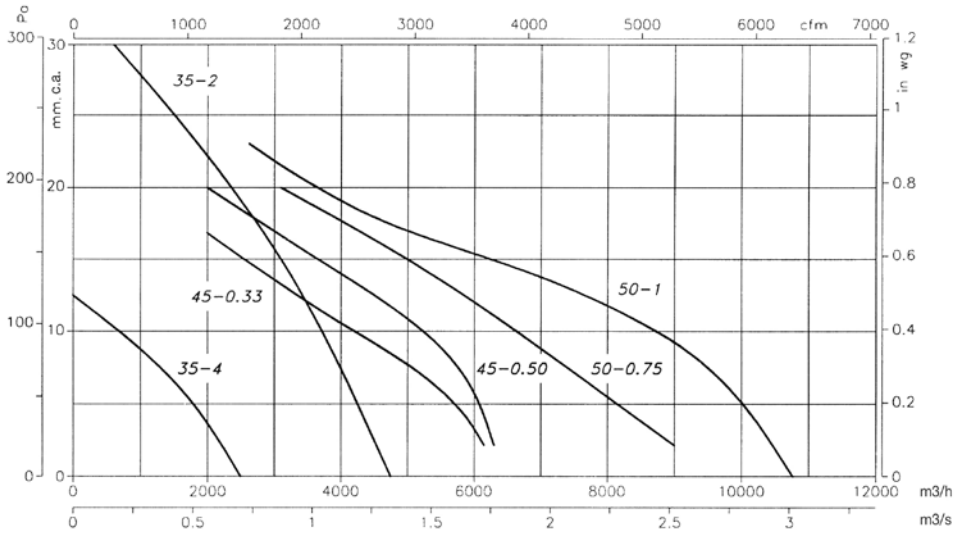


Model	ØA	ØB	ØD	E	H	ØJ	N
HPX-35-2T-0,75	425	395	355	380	606	10	8x45°
HPX-35-4T-0,33	425	395	355	380	609	10	8x45°
HPX-45-4T-0,33	540	500	460	420	740	12	8x45°
HPX-45-4T-0,50	540	500	460	420	728	12	8x45°
HPX-50-4T-0,75	600	560	512	420	803	12	12x30°
HPX-50-4T-1	600	560	512	420	803	12	12x30°
HPX-56-4T-0,75	660	620	560	450	848	12	12x30°
HPX-56-4T-1	660	620	560	450	848	12	12x30°
HPX-56-4T-1,5	660	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°

Model	ØA	ØB	ØD	E	H	ØJ	N
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'

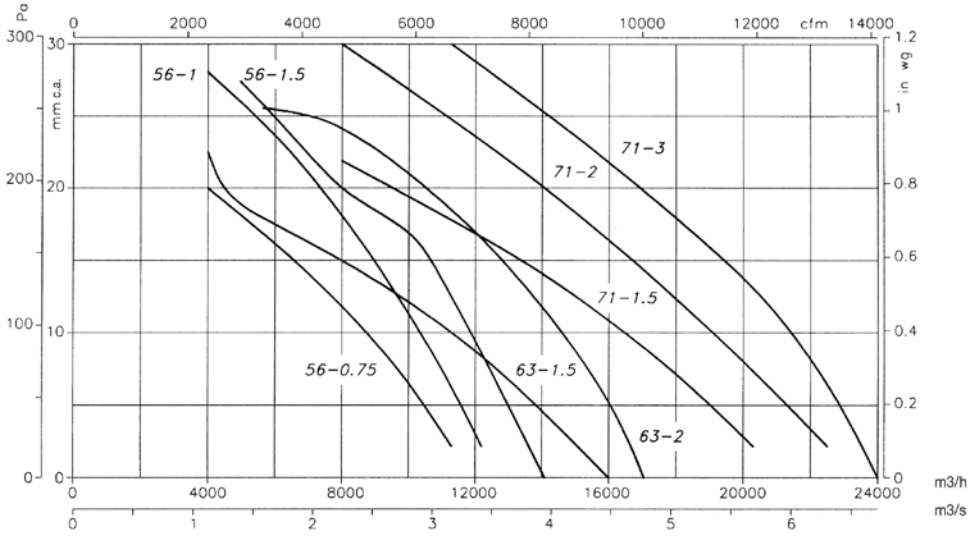
Characteristic curves

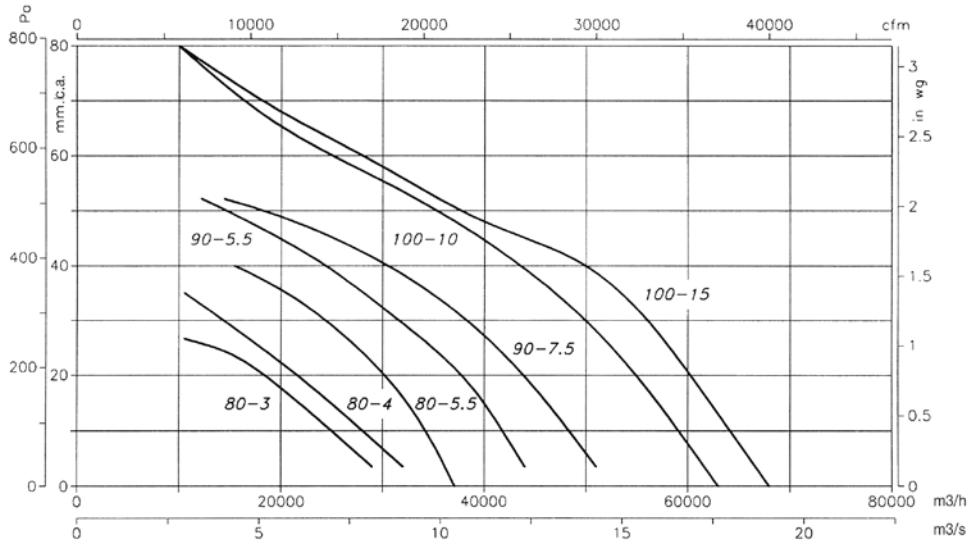
Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



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 RT BTUB BAC PS S SI

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

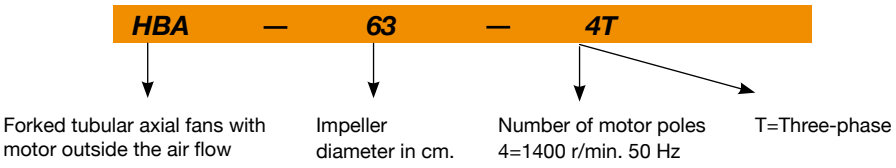
Fan:
- Sheet steel long casing.
- Impeller made from cast aluminium
- Airflow direction from impeller to motor

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 with heat-protection paint for working in hot environments

On request:
- Casing made from stainless steel
- Hot galvanised finish
- Special windings for different voltages and motors with PTC

Order code



Technical characteristics

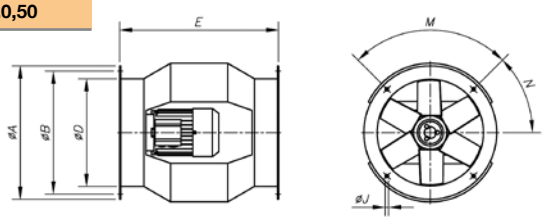
Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HBA-31-2T	2880	2.24	1.29	0.55	2900	77	25
HBA-31-2M	2810	3.50	-	0.55	2900	77	26
HBA-31-4T	1365	1.25	0.72	0.25	1600	66	24
HBA-31-4M	1380	2.15	-	0.25	1600	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

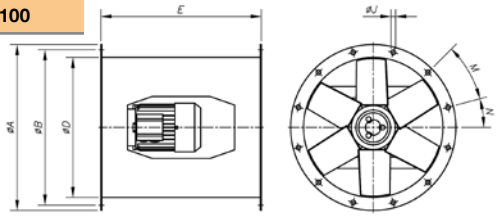
See accessories section.

Dimensions in mm

HBA-31..0,50



HBA-63...100

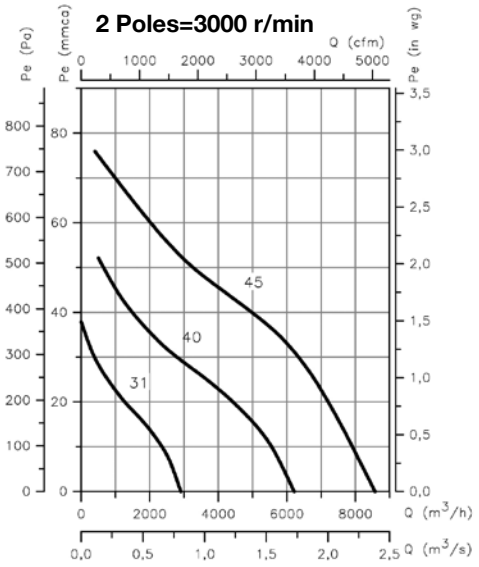


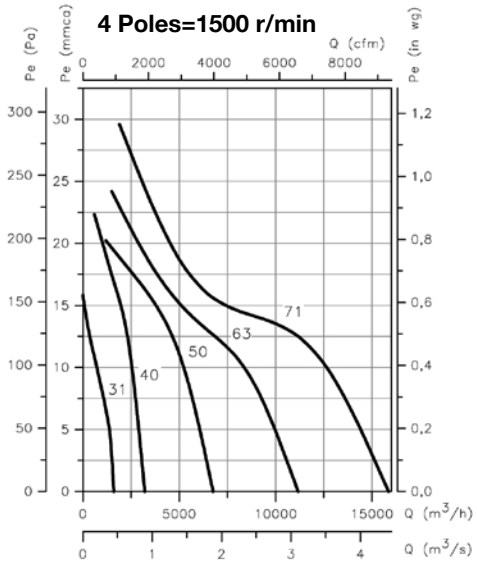
Model	ØA	ØB	ØD	E	ØJ	M	N
HBA-31	385	355	308	460	10	4x90°	45°
HBA-40	490	450	410	580	12	8x45°	22'5°
HBA-45	540	500	460	640	12	8x45°	22'5°
HBA-50	600	560	514	730	12	12x30°	15°
HBA-63	730	690	640	730	12	12x30°	15°
HBA-71	810	770	710	770	12	16x22'5°	11'25°
HBA-80	900	860	800	830	12	16x22'5°	11'25°
HBA-100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

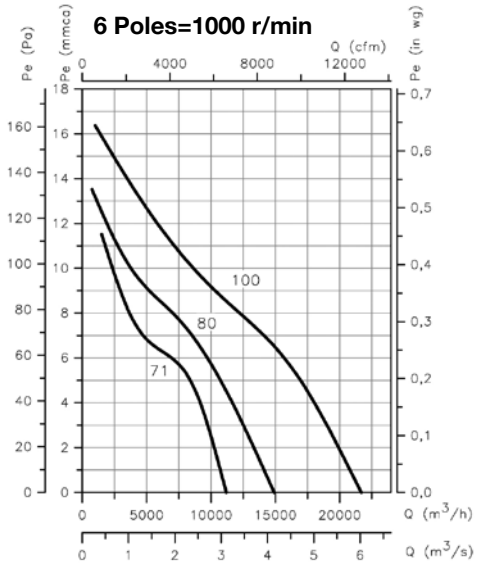
Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

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







HPX/SEC

Fans designed with the most advanced technology and experience to withstand extreme working conditions in ovens, driers and other applications with temperature and humidity

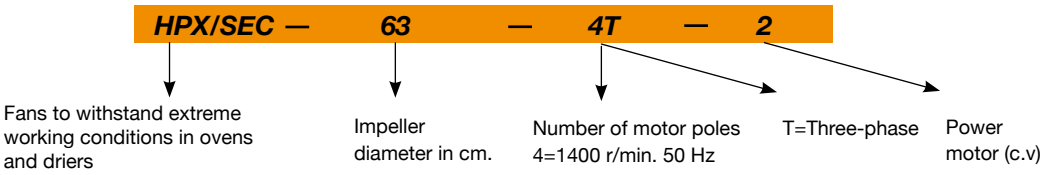
Fan:
- Thick long casing with sheet steel twist-lock cap.
- Impellers made from cast aluminium
- High-quality bearings with grease for high temperatures
- Bearing support with grease cups
- External grease cups in fan casing
- Airflow direction from motor to impeller

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors with ball bearings, IP55 protection
- 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.+ 150ºC.

Finish:
- Anticorrosive in heat-resistant paint

On request:
- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different voltages
- ATEX Certification, category 2 (see HPX/ATEX series)

Order code



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)
HPX/SEC-63-4T-2	1450	5.98	3.45		1.50	17500	78	68.1
HPX/SEC-71-4T-2	1350	5.98	3.45		1.50	22500	79	84.5
HPX/SEC-71-4T-3	1450	8.49	4.90		2.20	24000	81	91.5
HPX/SEC-80-4T-4	1350	11.26	6.50		3.00	32000	84	107.0
HPX/SEC-80-4T-5,5	1450	14.38	8.30		4.00	40500	84	116.0
HPX/SEC-90-4T-7,5	1400		11.40	6.60	5.50	51000	91	132.5
HPX/SEC-90-4T-10	1400		15.10	8.70	7.50	54700	92	145.5
HPX/SEC-100-4T-10	1450		15.10	8.70	7.50	63000	93	148.5
HPX/SEC-100-4T-15	1450		21.40	12.40	11.00	68000	94	191.5

Acoustic features

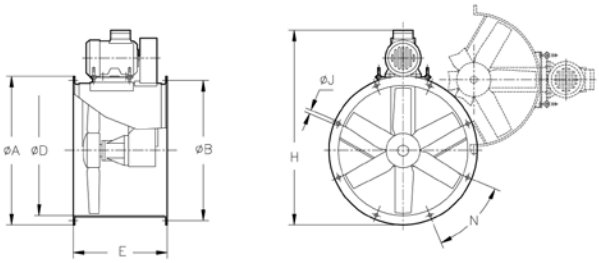
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000
HPX/SEC-63-4T-2	62	73	83	89	90	85	74	70
HPX/SEC-71-4T-2	56	76	84	89	91	88	81	70
HPX/SEC-71-4T-3	65	76	86	92	93	88	77	73
HPX/SEC-80-4T-4	61	81	89	94	96	93	86	75
HPX/SEC-80-4T-5,5	68	79	89	95	96	91	80	76

Model	63	125	250	500	1000	2000	4000	8000
HPX/SEC-90-4T-7,5	69	90	97	102	105	101	94	83
HPX/SEC-90-4T-10	70	91	98	103	106	102	95	84
HPX/SEC-100-4T-10	73	93	100	106	108	105	98	87
HPX/SEC-100-4T-15	74	94	101	107	109	106	99	88

Dimensions in mm



Model	ØA	ØB	ØD	E	H	ØJ	N
HPX/SEC-63-4T-2	730	690	640	500	943	12	12x30°
HPX/SEC-71-4T-2	810	770	710	550	1022	12	16x22°30'
HPX/SEC-71-4T-3	810	770	710	550	1048	12	16x22°30'
HPX/SEC-80-4T-4	900	860	800	600	1164.5	12	16x22°30'
HPX/SEC-80-4T-5,5	900	860	800	600	1185.5	13	16x22°30'
HPX/SEC-90-4T-7,5	1015	970	900	650	1338	15	16x22°30'
HPX/SEC-90-4T-10	1015	970	900	650	1338	15	16x22°30'
HPX/SEC-100-4T-10	1115	1070	1000	750	1453	15	16x22°30'
HPX/SEC-100-4T-15	1115	1070	1000	750	1525	15	16x22°30'

Characteristic curves

See HPX series characteristic curves

Accessories

See accessories section.

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

HCH/SEC

65ºC
90ºC
135ºC

Fans designed with the most advanced technology and experience to withstand extreme working conditions in wood and ceramic driers

Fan:
- Sheet steel bracket or stainless steel AISI304 depending on the version
- Impeller made from cast aluminium
- Airflow direction from motor to impeller

Motor versión 65ºC 100%HR:
- Class F motors with ball bearings, especially designed for temperature, IP-55 protection
- Motors with forced ventilation
- Three-phase 230/400V. 50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5C.V.)
- Working temperature: -10ºC.+ 90ºC. and 100%

Motor versión 90ºC 100%HR:
- Class H motors with ball bearings, especially designed for high temperature, IP-55 protection
- Closed motors, without ventilation
- Three-phase 230/400V. 50Hz. (up to 4C.V.) and 400/690V.-50Hz. (power over 4C.V.)
- Working temperature: -10ºC.+ 90ºC. and 100% relative humidity

Motor versión 135ºC 100%HR:
- Class H motors with ball bearings, especially designed for high temperature, IP-55 protection
- Cast iron motor support shields
- Axle and screws in STAINLESS STEEL
- Closed motors, without ventilation
- Three-phase 230/400V. 50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5C.V.)
- Working temperature: -10ºC.+ 135ºC. and 100% relative humidity

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

On request:
- Any HCH Series model may be converted into HCH/SEC
- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different voltages
- Support ring in AISI-316

Order code

HCH/SEC — 63 — 4T — 1,5 — 65º — INOX

- ***HCH/SEC***: Fans designed to withstand extreme working conditions in wood and ceramic driers
- ***63***: Impeller diameter in cm.
- ***4T***: Number of motor poles 4=1400 r/min. 50 Hz
- ***1,5***: T=Three-phase Power motor (c.v)
- ***65º***: Max. working temperature 65ºC 90ºC 135ºC
- ***INOX***: Made from stainless version

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) 60º	90º	135º
HCH/SEC-63-4T-1,5	1450	5.20	3.00	1.10	17000	74	33	39	29
HCH/SEC-63-4T-2	1450	6.41	3.70	1.50	18900	75	36	42	32
HCH/SEC-63-4T-3	1450	8.49	4.90	2.20	22000	76	44	50	36
HCH/SEC-63-4T-4	1450	11.78	6.80	3.00	25200	77	46	52	39
HCH/SEC-71-4T-1,5	1450	5.20	3.00	1.10	19900	78	37	45	32
HCH/SEC-71-4T-2	1450	6.41	3.70	1.50	21000	79	40	47	35
HCH/SEC-71-4T-3	1450	8.49	4.90	2.20	24000	81	49	56	40
HCH/SEC-71-4T-4	1450	11.78	6.80	3.00	29400	82	51	58	43
HCH/SEC-80-4T-3	1450	8.49	4.90	2.20	29500	82	60	73	50
HCH/SEC-80-4T-4	1450	11.78	6.80	3.00	37000	83	62	75	53
HCH/SEC-80-4T-5,5	1450	15.24	8.80	4.00	40500	84	67	80	56

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.

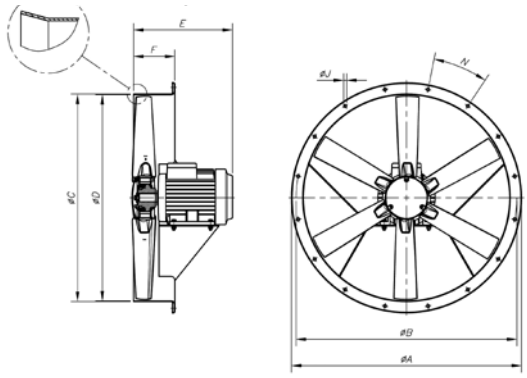
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
HCH/SEC-63-4T-1,5	51	71	79	84	86	83	76	65
HCH/SEC-63-4T-2	52	72	80	85	87	84	77	66
HCH/SEC-63-4T-3	53	73	81	86	88	85	78	67
HCH/SEC-63-4T-4	54	74	82	87	89	86	79	68
HCH/SEC-71-4T-1,5	55	75	83	88	90	87	80	69
HCH/SEC-71-4T-2	56	76	84	89	91	88	81	70

Model	63	125	250	500	1000	2000	4000	8000
HCH/SEC-71-4T-3	58	78	86	91	93	90	83	72
HCH/SEC-71-4T-4	59	79	87	92	94	91	84	73
HCH/SEC-80-4T-3	59	79	87	92	94	91	84	73
HCH/SEC-80-4T-4	60	80	88	93	95	92	85	74
HCH/SEC-80-4T-5,5	61	81	89	94	96	93	86	75

Dimensions in mm

Detail: Drilled in the reversible version Manufactured on request only.



Model	ØA	ØB	ØC	ØD	E 1,5	E 2	E 3	E 4	E 5,5	F	ØJ	N
HCH/SEC-63-4-65°	730	690	645	640	325	355	405	405	-	150	12	12 X 30°
HCH/SEC-63-4-90°	730	690	645	640	305	330	360	360	-	150	12	12 X 30°
HCH/SEC-63-4-135°	730	690	645	640	343	343	370	370	-	150	12	12 X 30°
HCH/SEC-71-4-65°	810	770	715	710	330	350	415	415	-	150	12	16 X 22°30'
HCH/SEC-71-4-90°	810	770	715	710	302	322	367	367	-	150	12	16 X 22°30'
HCH/SEC-71-4-135°	810	770	715	710	358	358	370	370	-	150	12	16 X 22°30'
HCH/SEC-80-4-65°	900	860	805	800	-	-	425	425	445	180	12	16 X 22°30'
HCH/SEC-80-4-90°	900	860	805	800	-	-	375	375	390	180	12	16 X 22°30'
HCH/SEC-80-4-135°	900	860	805	800	-	-	390	390	390	180	12	16 X 22°30'

Characteristic curves

See HCH series characteristic curves

Accessories

See accessories section.

INT AR RFT/ RFM PANELS R RI

VAM
VAC

VAM: Axial fans with galvanised frame and IP65 motor
VAC: Axial fans for ducts with IP65 motor

Wall-mounted axial fans specially designed for use in farms and corrosive environments.

Fan:
- Airflow direction from motor to impeller
- Impeller in polyamide 6 reinforced with fibre glass
- VAM: Support frame in hot galvanised sheet steel
- VAM: Protection guard, meets UNE 100250 standard
- VAC: Hot-rolled galvanised steel construction

VAM

VAC

Motor:
- Class F motors with incorporated thermal protector, ball bearings and IP65 protection
- Single-phase 220-240V.-50Hz. and three-phase 220-240/380-415V.-50Hz.
- Working temperature: -25ºC.+ 60ºC., 4-6 poles motors and -25ºC.+ 45ºC.

Finish:
- Hot galvanised anticorrosive

Order code

VAM — 35 — T4

- VAM: Galvanised axial fans
VAC: Axial fans for ducts
- Impeller diameter in cm.
- Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=750 r/min. 50 Hz
- M=Single-phase
T=Three-phase

Technical characteristics

Model		Speed	Current to free airflow (A)		Maximum admissible current (A)		Absorbed power at free airflow	Maximum airflow	Sound level dB(A)	Approx. weight (Kg)	
		(r/min)	220V- 400V	380V-415V	220V- 400V	380V-415V	(W)	(m^3/h)		VAM	VAC
VAM-35 T4	VAC-35 T4	1320	0.67	0.39	0.74	0.43	170	3500	58	7.1	4.2
VAM-35 M4	VAC-35 M4	1320	0.64		0.75		138	3500	58	7.1	4.2
VAM-40 T4	VAC-40 T4	1420	1.52	0.88	2.10	1.20	230	4500	60	10.6	8.5
VAM-40 M4	VAC-40 M4	1420	0.98		1.40		233	4500	60	10.6	8.5
VAM-45 T4	VAC-45 T4	1370	1.57	0.91	2.10	1.20	335	6500	64	11.0	9.0
VAM-45 M4	VAC-45 M4	1370	1.32		1.70		324	6500	64	11.0	9.0
VAM-50 T4	VAC-50 T4	1390	1.66	0.96	2.15	1.25	444	8300	69	13.0	11.0
VAM-50 M4	VAC-50 M4	1390	1.94		2.50		446	8300	69	13.0	11.0
VAM-56 T6	VAC-56 T6	910	1.59	0.92	1.73	1.00	441	9000	62	17.0	15.0
VAM-56 M6	VAC-56 M6	910	1.97		2.15		415	9000	62	17.0	15.0
VAM-63 T6	VAC-63 T6	905	1.92	1.11	2.06	1.19	479	12000	65	20.0	18.0
VAM-63 M6	VAC-63 M6	905	2.23		2.40		464	12000	65	20.0	18.0

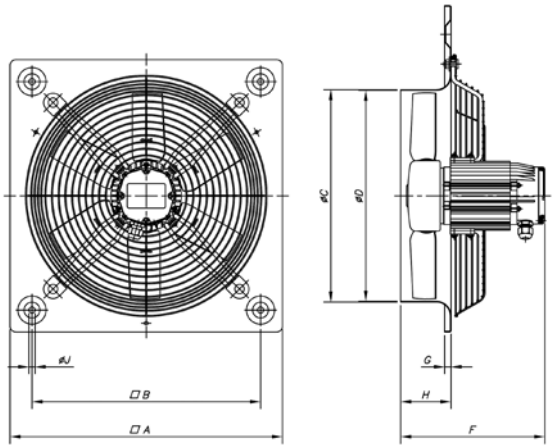
Accessories

See accessories section.

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

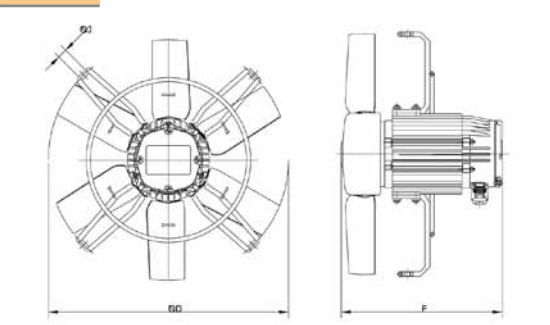
Dimensions in mm

VAM



Model	□A	□B	ØC	ØD	F Single-phase	F Three-phase	G	H	ØJ
VAM-35	465	390	363	360	209	209	11	86	10.5
VAM-40	532	452	413	410	235	210	11	105	10.5
VAM-45	596	504	463	460	235	210	11	105	10.5
VAM-50	665	562	517	514	255	215	11	115	10.5
VAM-56	710	630	563	560	261	241	11	115	10.5
VAM-63	800	710	638	635	261	251	11	140	10.5

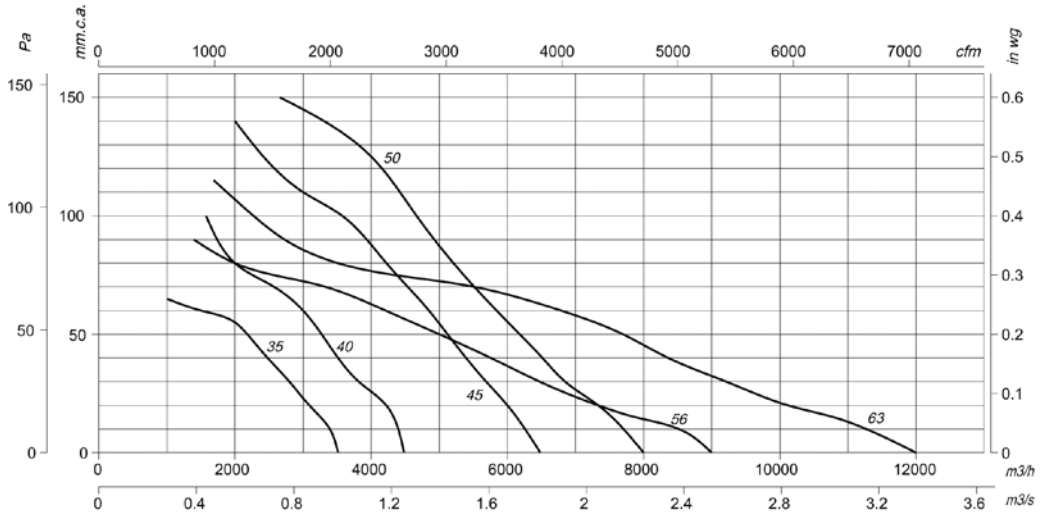
VAC



Model	ØD	F Single-phase	F Three-phase	ØJ
VAC-35	360	203	203	M8
VAC-40	410	231	206	M8
VAC-45	460	231	206	M8
VAC-50	520	251	211	M8
VAC-56	580	251	231	M8
VAC-63	650	251	421	M8

Characteristic curves

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



HGI

Large-diameter axial fan for farms

Wall-mounted axial fans designed for large, low-speed airflows with automatic louvre opening system.

Fan:
- Support frame in sheet steel
- Galvanised steel structure
- Galvanised sheet steel impeller
- Protection guard, meets UNE 100250 standard
- Designed especially for use in farms and hothouses
- Airflow direction from motor to impeller

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
- Working temperature: -25ºC.+ 50ºC.

Finish:
- Anticorrosive galvanized sheet steel.

On request:
- Without shutter and with a protective grille on the impulsion side
- Special windings for different voltages

Order code

HGI — 80 — T — 0,5

- HGI: Large-diameter axial fan for farms
- 80: Impeller diameter in cm.
- T: T=Three-phase
- 0,5: Motor power (C.V.)

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)
HGI-80-T-0,5	570	1.70	1.00	0.37	16000	63	48
HGI-80-T-0,75	630	2.40	1.40	0.55	18000	65	49
HGI-100-T-0,5	398	2.10	1.20	0.37	25000	62	63
HGI-100-T-0,75	472	2.80	1.60	0.55	29000	65	64
HGI-100-T-1	503	3.50	2.00	0.75	32000	66	66
HGI-125-T-1	437	3.50	2.00	0.75	38000	69	87
HGI-125-T-1,5	485	4.80	2.80	1.10	43000	72	90

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.

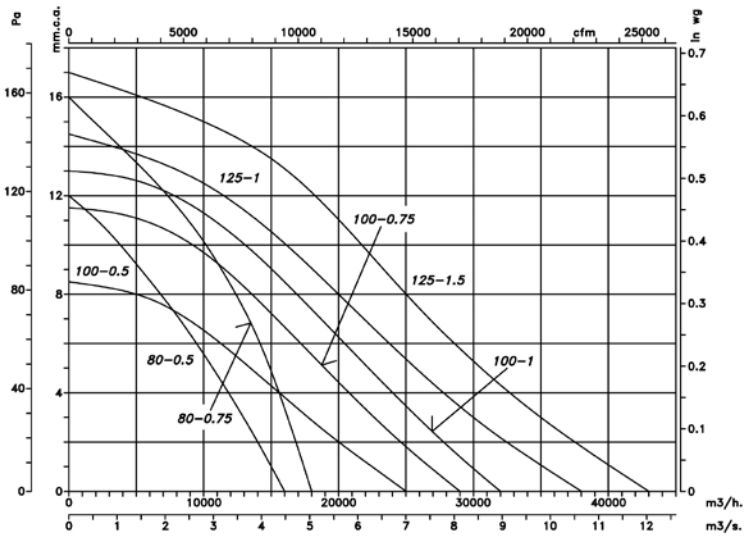
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
HGI-80-T-0,5	57	64	72	74	72	69	66	58
HGI-80-T-0,75	59	66	74	76	74	71	68	60
HGI-100-T-0,5	57	65	73	75	73	70	66	59
HGI-100-T-0,75	60	68	76	78	76	73	69	62

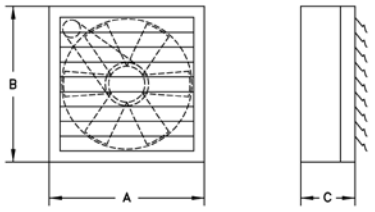
Model	63	125	250	500	1000	2000	4000	8000
HGI-100-T-1	61	69	77	79	77	74	70	63
HGI-125-T-1	64	72	80	82	80	77	73	66
HGI-125-T-1,5	67	75	83	85	83	80	76	69

Characteristic curves

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



Dimensions in mm



Model	A	B	C
HGI-80	960	960	405
HGI-100	1150	1150	405
HGI-125	1380	1380	405

Accessories

See accessories section.

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

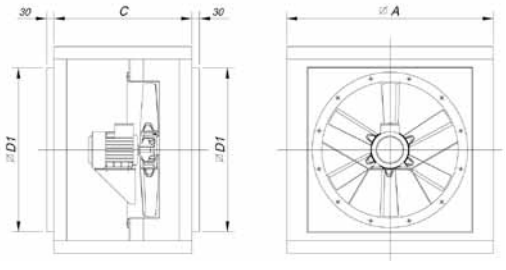
Maximum Airflow

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			

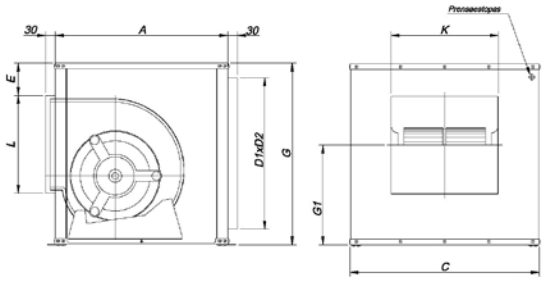
Dimensions in mm

CJHCH



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

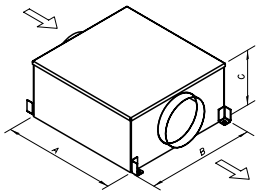
CJBD



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

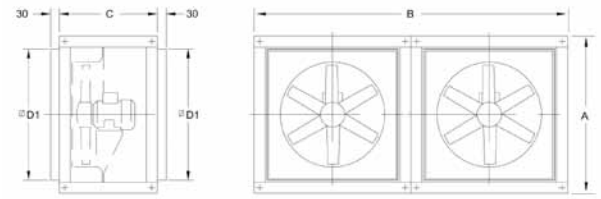
Dimensions in mm

TWIN



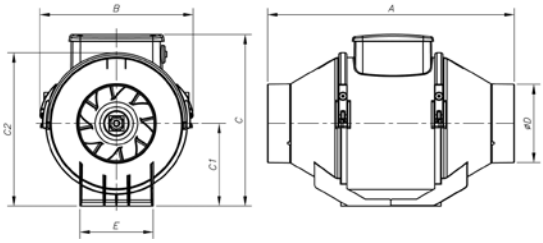
Model	A	B	C
TWIN-12/12	1103	1139	610
TWIN 15/15	1279	1639	698

CJHCH/DUPLEX



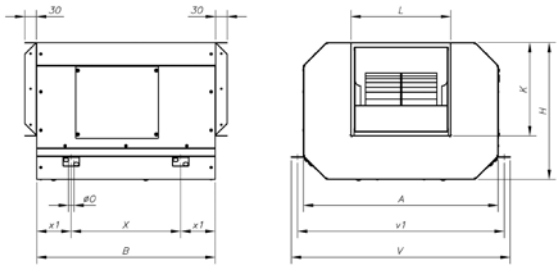
Model	ØA	B	C	ØD1
CJHCH/DUPLEX-56/63	825	1650	550	690

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

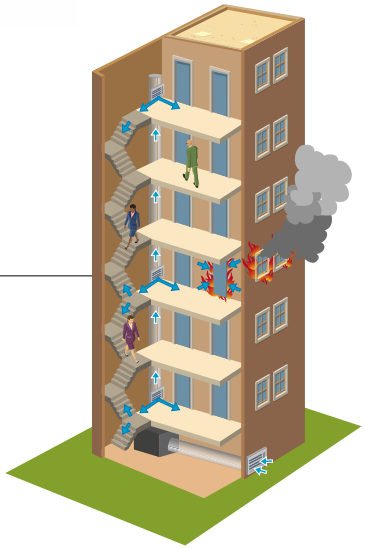
* The two motors never operate simultaneously

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.



HT

Axial roof fans with flat base

Axial roof fans with plastic fibreglass-reinforced impeller, with a flat base to mount on the roof.

Fan:
- Sheet steel base plate.
- Impellers in polyamide 6 reinforced with fibre glass
- Bird guard
- Sheet steel rain deflector hood with anticorrosive protection, except models 80, 90, 100 which come in polyester
- Airflow direction from motor to impeller

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 63, IP54 protection.
- Single-phase 220-240V. -50Hz. and three-phase 220-240V./380-415V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -25ºC.+ 60ºC.

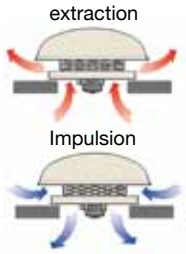
Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.

On request:
- Possibility of supply as IMPULSION FANS
- AL version cast aluminium impellers.
- Special windings for different voltages
- ATEX certification, Category 2

Order code

HT — 25 — 4T — I

- **HT**: Axial roof fans with flat base
- **25**: Impeller diameter in cm.
- **4T**: Number of motor poles 2=2900 r/min. 50 Hz, 4=1400 r/min. 50 Hz, 6=750 r/min. 50 Hz
- **—**: M=Single-phase, T=Three-phase
- **I**: I: Extraction fans, A: Impulsion fans



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-25-4T	1450	0.60	0.35		0.10	1080	41	40	12.5
HT-25-4M	1450	0.63			0.10	1080	41	40	12.5
HT-31-4T	1430	0.64	0.37		0.10	1800	47	46	13.3
HT-31-4M	1430	0.75			0.10	1800	47	46	13.5
HT-35-4T	1360	0.72	0.42		0.10	2600	48	47	17.5
HT-35-4M	1360	0.87			0.10	2600	48	47	17.5
HT-40-4T	1400	1.82	1.05		0.25	4600	51	50	21.0
HT-40-4M	1400	2.18			0.25	4600	51	50	21.0
HT-45-4T	1380	2.08	1.20		0.37	6500	55	53	29.0
HT-45-4M	1375	3.10			0.37	6500	55	54	30.5
HT-50-4T	1380	2.94	1.70		0.55	8500	59	57	36.0
HT-50-4M	1350	4.40			0.55	8500	59	57	39.0
HT-56-4T	1450	3.46	2.00		0.75	9800	61	57	35.0
HT-56-4M	1450	4.40			0.75	9800	61	57	37.0
HT-56-6T	950	1.47	0.85		0.25	6600	48	46	46.0
HT-56-6M	950	2.00			0.25	6600	48	46	46.0
HT-63-4T	1450	5.20	3.00		1.10	14000	63	59	65.8
HT-63-6T	950	2.11	1.22		0.37	9200	52	49	61.8
HT-63-6M	950	2.80			0.37	9200	52	49	61.8
HT-71-4T	1450	6.41	3.70		1.50	18000	69	67	64.0
HT-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-71-6M	950	4.00			0.55	12200	58	56	64.9
HT-80-4T	1450	8.92	5.15		2.20	26200	73	70	87.8
HT-80-6T	950	5.80	3.35		1.10	18000	64	61	81.8
HT-90-4T	1450	11.78	6.80		3.00	31500	77	74	94.0
HT-90-6T	950	7.62	4.40		1.50	21200	68	65	91.0
HT-100-4T-7,5	1450		11.90	6.90	5.50	37000	80	77	114.0
HT-100-4T-10	1450		16.90	9.80	7.50	44000	84	81	125.0
HT-100-6T-2	940	7.62	4.40		1.50	25000	71	68	102.0
HT-100-6T-3	960	10.05	5.80		2.20	28200	75	72	106.0
HT-100-8T-1,5	700	6.32	3.65		1.10	19050	64	61	103.0
HT-100-8T-2	710	7.36	4.25		1.50	21100	66	63	114.0

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.

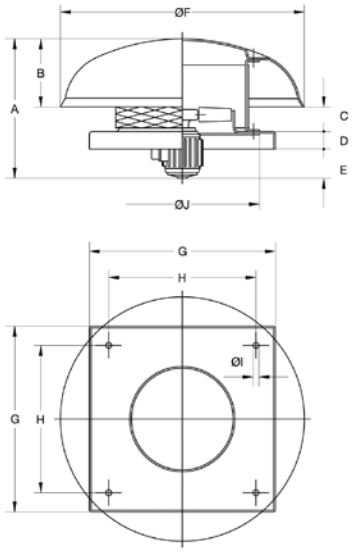
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

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

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

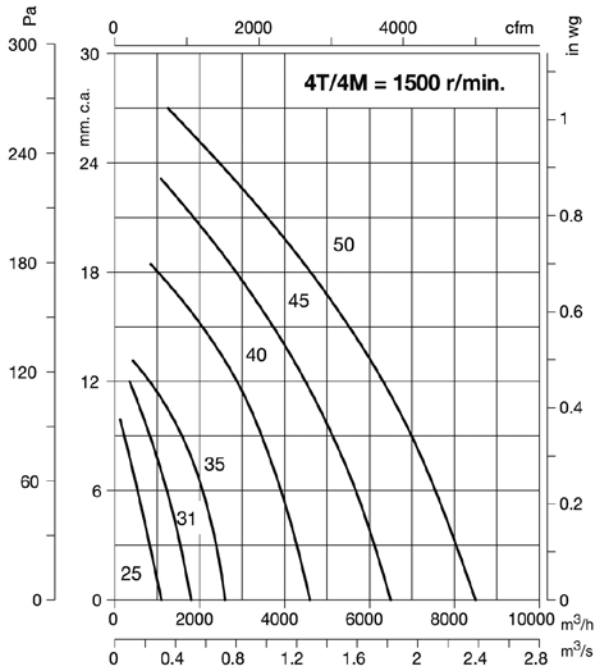
Dimensions in mm

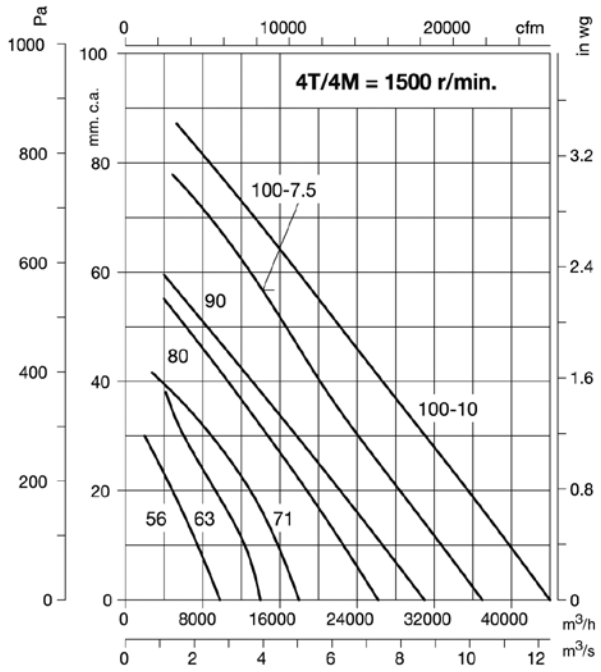
Model	A	B	C	D	E	ØF	G	H	ØI	ØJ
HT-25	400	176	44	40	140	620	450	360	12	346
HT-31	423	176	67	40	140	620	500	410	12	416
HT-35	472	228	64	40	140	770	560	450	12	486
HT-40	478	228	82	40	128	770	630	530	12	536
HT-45-4T	550	266	88	50	146	960	710	590	12	596
HT-45-4M	512	266	88	50	108	960	710	590	12	596
HT-50-4T	575	296	83	50	146	1090	800	680	12	676
HT-50-4M	558	296	83	50	129	1090	800	680	12	676
HT-56-4T	607	296	117	40	154	1090	900	750	14	758
HT-56-4M	590	296	117	40	137	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
HT-100-8T-1,5	940	440	284	50	166	1580	1250	1100	14	1120
HT-100-8T-2	957	440	284	50	183	1580	1250	1100	14	1120

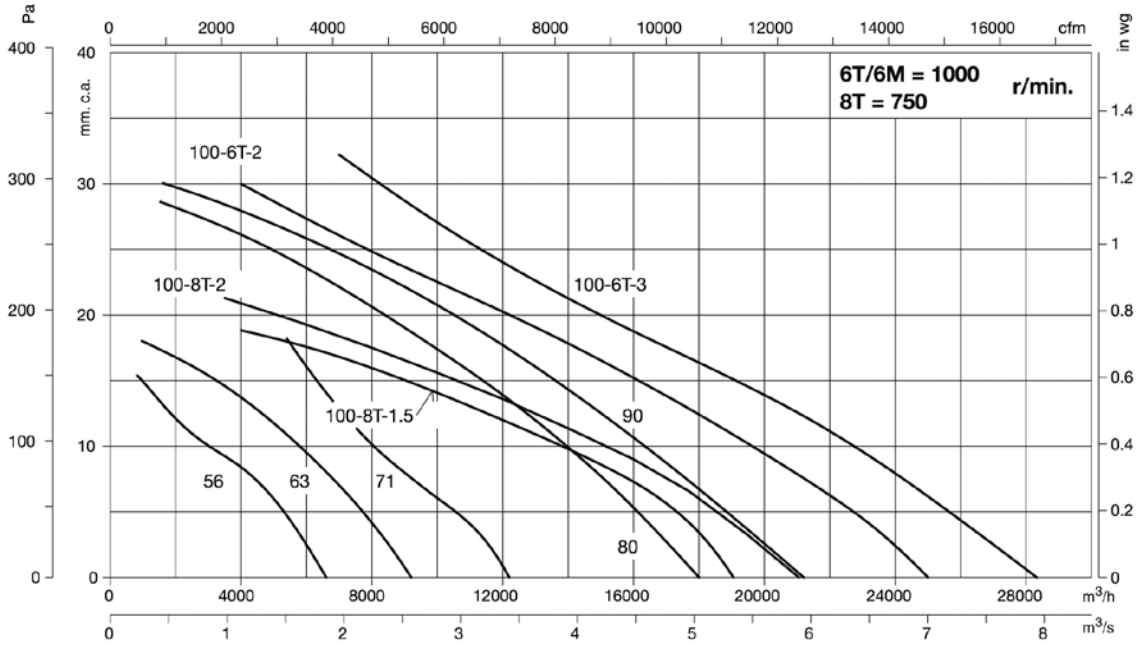


Characteristic curves

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 RM AR RFT/ RFM PANELS B MS PA OP S SI

HTTI

Axial roof fans, with sloping base

Axial roof fans adapted to the roof slope, with built-in safety switch.

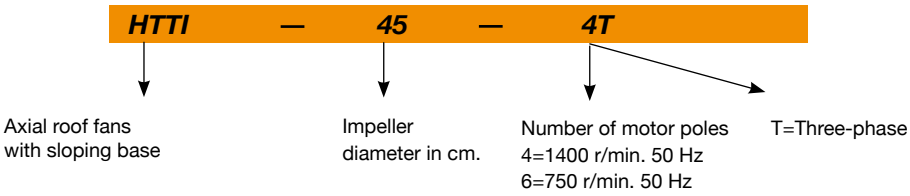
Fan:
- Galvanised sheet steel base plate.
- Impellers in polyamide 6 reinforced with fibre glass
- Rain deflector hood
- Airflow direction from motor to impeller

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 5.5C.V.)
- Max. air temperature to transport: -25ºC.+ 60ºC.

Finish:
- Anticorrosive galvanized sheet steel.

On request:
- All the angles and base plate measurements required (max. length 2m)
- Fabricación en chapa de acero inoxidable
- Special windings for different voltages
- ATEX certification, Category 2

Order code



Technical characteristics

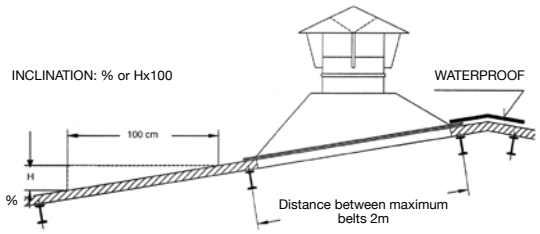
Model	Speed (r/min)	Max. admissible current (A) 230V	400V	690V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HTTI-45-4T	1380	2.08	1.20		0.37	6570	66	45.7
HTTI-50-4T	1380	2.94	1.70		0.55	9200	69	56.0
HTTI-50-6T	960	2.08	1.20		0.37	5680	59	59.5
HTTI-56-4T	1440	4.68	2.70		1.10	11700	72	64.4
HTTI-56-6T	940	2.25	1.30		0.37	7560	61	64.0
HTTI-63-4T	1415	5.20	3.00		1.10	14800	74	70.9
HTTI-63-6T	890	2.42	1.40		0.37	11160	64	70.0
HTTI-71-4T	1450	6.06	3.50		1.50	18900	78	82.0
HTTI-71-6T	950	2.96	1.71		0.55	13500	67	78.5
HTTI-80-4T	1450	11.78	6.80		3.00	33300	83	114.4
HTTI-80-6T	950	5.80	3.35		1.10	23400	72	103.8
HTTI-90-4T	1450	15.24	8.80		4.00	41850	89	137.0
HTTI-90-6T	950	7.62	4.40		1.50	30870	77	129.0
HTTI-100-4T	1450	-	16.90	9.80	7.50	56700	93	181.0
HTTI-100-6T	950	10.05	5.80		2.20	34200	82	149.8

Accessories

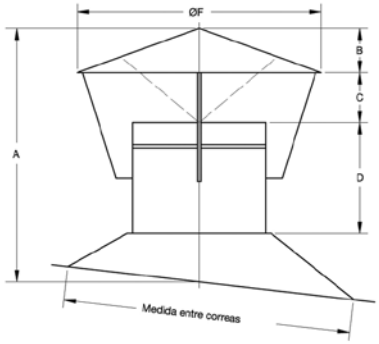
See accessories section.

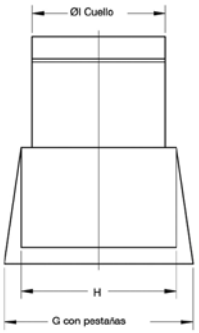
INT RM AR RFT/ RFM PANELS OP S SI

Dimensions in mm



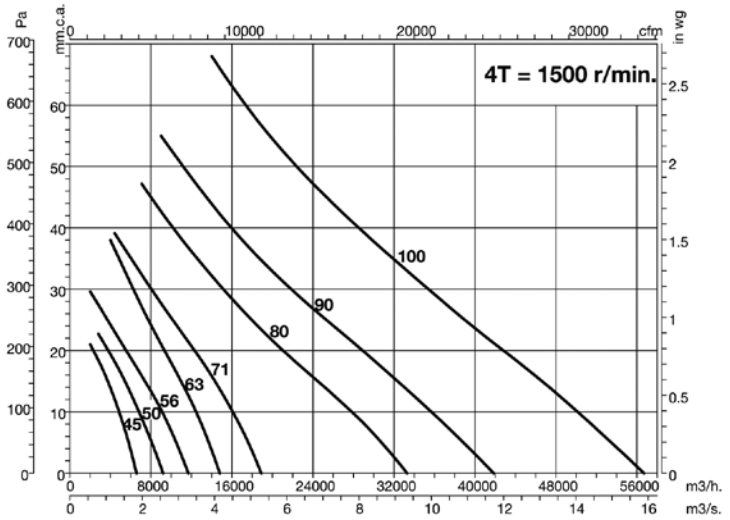
Model	A	B	C	D	ØF	G	H	Øl
HTTI-45-4T	780	130	200	250	850	730	520	470
HTTI-50-4T	800	150	200	250	950	780	570	520
HTTI-50-6T	800	150	200	250	950	780	570	520
HTTI-56-4T	800	150	200	250	1050	830	620	570
HTTI-56-6T	800	150	200	250	1050	830	620	570
HTTI-63-4T	850	180	200	250	1125	910	700	650
HTTI-63-6T	850	180	200	250	1125	910	700	650
HTTI-71-4T	900	200	230	300	1250	990	780	730
HTTI-71-6T	900	200	230	300	1250	990	780	730
HTTI-80-4T	1100	250	310	330	1400	1080	870	820
HTTI-80-6T	1100	250	310	330	1400	1080	870	820
HTTI-90-4T	1150	300	310	330	1500	1080	970	920
HTTI-90-6T	1150	300	310	330	1500	1080	970	920
HTTI-100-4T	1200	350	310	330	1600	1280	1070	1020
HTTI-100-6T	1200	350	310	330	1600	1280	1070	1020

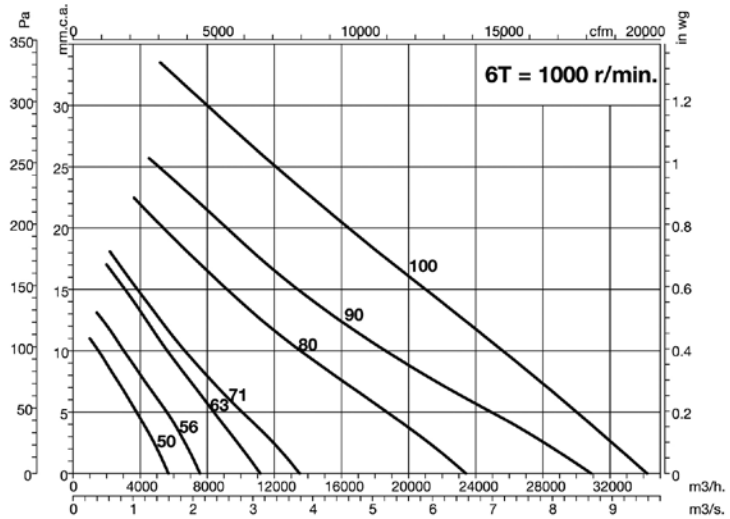




Characteristic curves

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





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

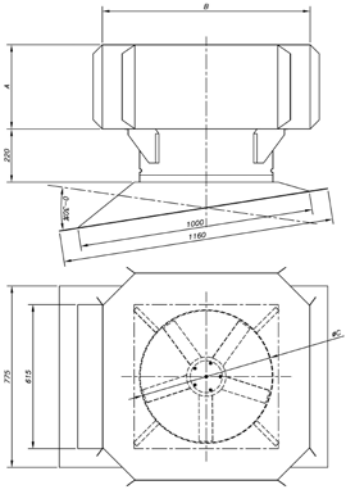
HTTAL — 56 — 4T

- **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

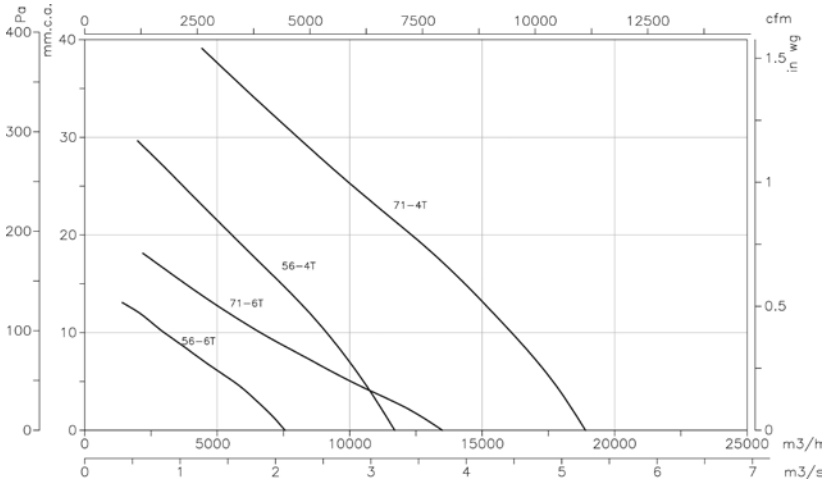
Model	Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
HTTAL-56-4T	1440	4.68	2.70	1.10	11700	72	44.00
HTTAL-56-6T	940	2.25	1.30	0.37	7560	61	43.60
HTTAL-71-4T	1450	6.06	3.50	1.50	18900	78	56.00
HTTAL-71-6T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

CHT
CVT

400ºC/2h centrifugal roof fans with horizontal or vertical outlet air

CHT: 400ºC/2h centrifugal roof fans with horizontal outlet air, hood in aluminium

CVT: 400ºC/2h centrifugal roof fans with vertical outlet air, hood in aluminium

CHT

CVT

Fan:
- Galvanised sheet steel base plate.
- Impeller with backward-curved blades made from galvanised sheet steel
- Bird guard
- Aluminium rain deflector hood
- Approval according to Standard EN-12101-3-2002, certification No.: 0370-CPD-0897

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, IP54 protection, one- or two-speed depending on the model
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.

- Max. air temperature to transport: -25ºC.+ 120ºC.

Finish:
- Anticorrosive galvanized sheet steel and aluminium

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

Brackets that aid mounting on the roof

Order code

CHT — 200 — 4T

- **CHT**: CHT: 400ºC/2h centrifugal roof fans with horizontal outlet air
- **CVT**: CVT: 400ºC/2h centrifugal roof fans with vertical outlet air
- **200**: 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
  12=500 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 level dB(A) Inlet	Outlet	Approx. weight (Kg)
CHT	CVT	200-4T	1350	1.45	0.84	0.25	1450	37	43	25
CHT	CVT	200-4M	1380	0.65		0.25	1450	37	43	25
CHT	CVT	225-4T	1350	1.45	0.84	0.25	2100	41	47	25
CHT	CVT	225-4M	1380	0.95		0.25	2100	41	47	25
CHT	CVT	225-6T	900	1.51	0.87	0.25	1400	30	36	26
CHT	CVT	225-6M	890	0.50		0.25	1400	30	36	26
CHT	CVT	250-4T	1350	1.45	0.84	0.25	3100	45	50	34
CHT	CVT	250-4M	1380	1.35		0.25	3100	45	50	34
CHT	CVT	250-6T	900	1.51	0.87	0.25	2000	33	40	35
CHT	CVT	250-6M	890	0.65		0.25	2000	33	40	35
CHT	CVT	315-4T	1370	2.74	1.58	0.55	4950	48	54	39
CHT	CVT	315-4/8T	1435 / 715		1.60 / 0.60	0.55 /0.09	4950 /2475	48 / 33	54 / 39	40

Technical characteristics

Model			Speed (r/min)	Maximum admissible current (A) 230V	400V	Installed power (kW)	Maximum airflow (m^3/h)	Sound level dB(A) Inlet	Outlet	Approx. weight (Kg)
CHT	CVT	315-4M	1380	3.30		0.55	4950	48	54	39
CHT	CVT	315-6T	900	2.13	1.23	0.37	3200	37	43	39
CHT	CVT	315-6M	910	0.95		0.37	3200	37	43	39
CHT	CVT	400-4T	1380	3.34	1.93	0.75	7000	55	61	57
CHT	CVT	400-4/8T	1425 / 710		2.30 / 0.90	0.75 /0.12	7000 /3500	55 / 40	61 / 46	58
CHT	CVT	400-4M	1380	4.40		0.75	7000	55	61	57
CHT	CVT	400-6T	900	2.13	1.23	0.37	4500	44	50	56
CHT	CVT	400-6M	910	1.80		0.37	4500	44	50	56
CHT	CVT	450-4T	1400	5.97	3.45	1.50	10200	59	64	66
CHT	CVT	450-4/8T	1420 / 700		3.50 / 1.50	1.50 /0.37	10200 /5100	59 / 43	64 / 49	66
CHT	CVT	450-6T	900	2.13	1.23	0.37	6900	47	54	59
CHT	CVT	450-6/12T	930 / 450		1.60 / 0.65	0.55 /0.09	6900 /3450	47 / 32	54 / 39	63
CHT	CVT	450-6M	910	2.00		0.37	6900	47	54	59
CHT	CVT	500-6T	925	5.23	3.02	1.10	12000	51	57	103
CHT	CVT	500-6/12T	950 / 470		3.00 / 1.15	1.10 /0.18	12000 /6000	51 / 36	57 / 42	110
CHT	CVT	500-8T	680	3.21	1.85	0.55	8900	44	50	103
CHT	CVT	560-6T	955	9.28	5.36	2.20	17300	54	61	126
CHT	CVT	560-6/12T	940 / 470		5.60 / 2.20	2.20 /0.37	17300 /8650	54 / 39	61 / 46	120
CHT	CVT	560-8T	710	5.54	3.20	1.10	12900	46	53	110
CHT	CVT	630-6T	960	16.35	9.44	4.00	24700	58	64	166
CHT	CVT	630-6/12T	970 / 480		11.00 / 4.00	4.00 /0.65	24700 /12350	58 / 43	64 / 49	161
CHT	CVT	630-8T	710	7.45	4.30	1.50	18400	50	57	148

(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).

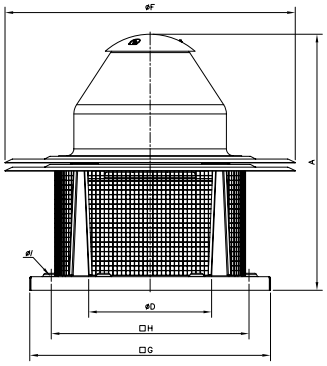
Model	63	125	250	500	1000	2000	4000	8000
200	39	44	58	60	61	61	56	51
225-4	41	50	60	64	67	64	57	51
225-6	30	39	49	53	56	53	46	40
250-4	44	53	63	67	70	67	60	54
250-6	34	43	53	57	60	57	50	44
315-4	49	61	69	71	72	72	64	56
315-6	38	50	58	60	61	61	53	45
315-8	34	46	54	56	57	57	49	41
400-4	56	68	76	78	79	79	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

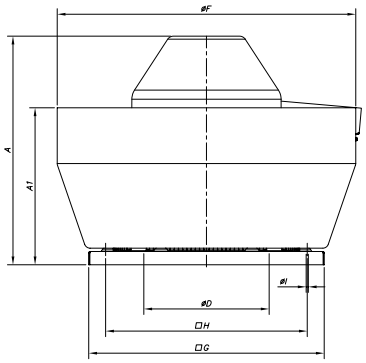
CHT



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

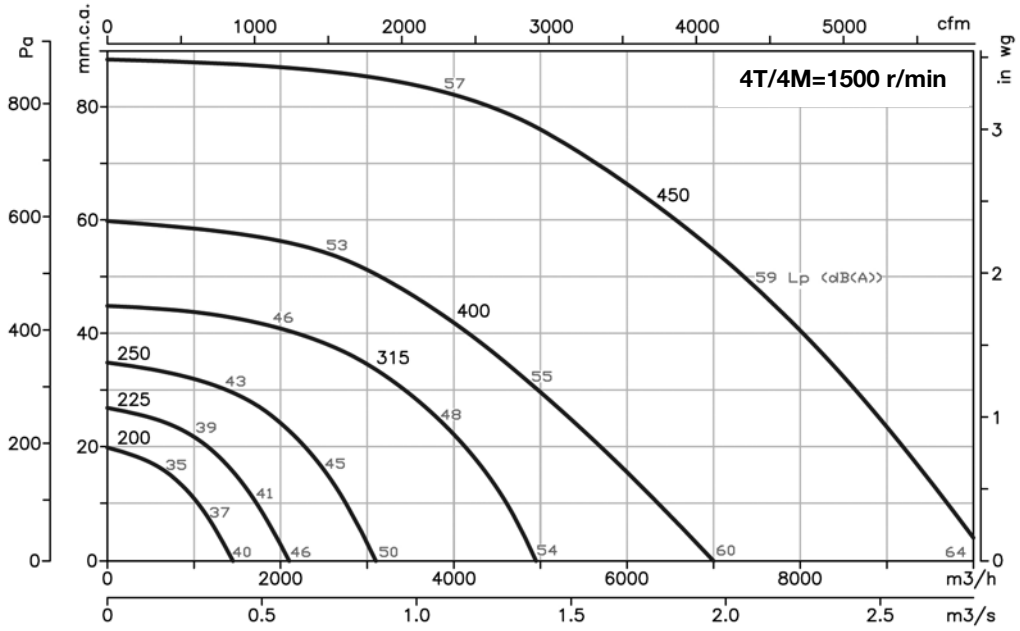


Model	A	A1	øD*	øF	G	H	øI
CVT-200	500	308	250	530	450	360	12
CVT-225	517	308	250	530	450	360	12
CVT-250	580	380	355	705	560	450	12
CVT-315	630	380	355	705	560	450	12
CVT-400	690	475	500	900	710	590	12
CVT-450	705	475	500	900	710	590	12
CVT-500	775	545	630	1100	900	750	14
CVT-560	956	676	710	1295	1100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

(*) Recommended nominal diameter for duct.

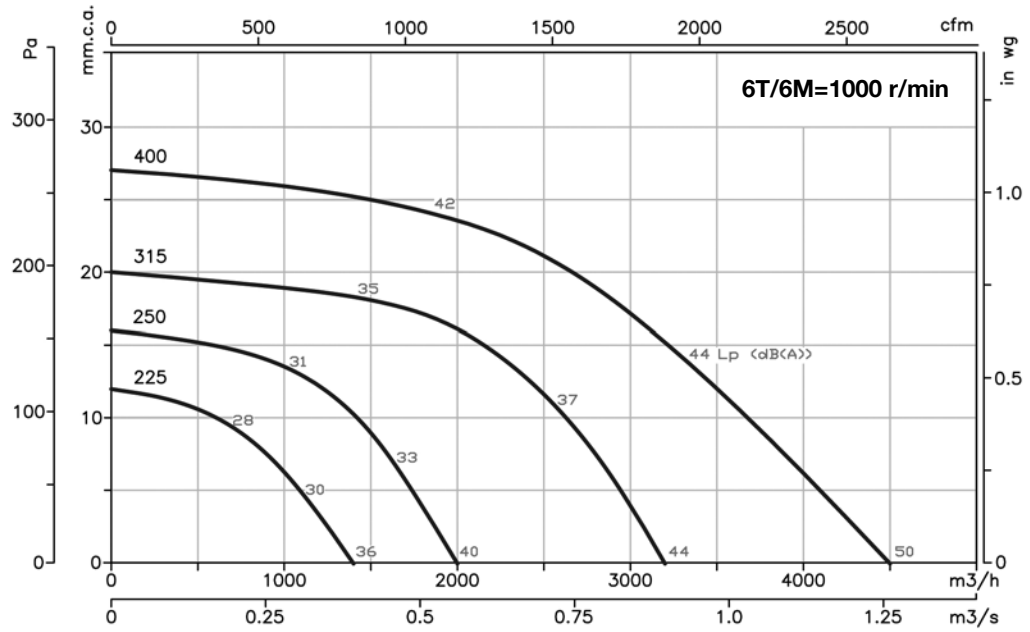
Characteristic curves

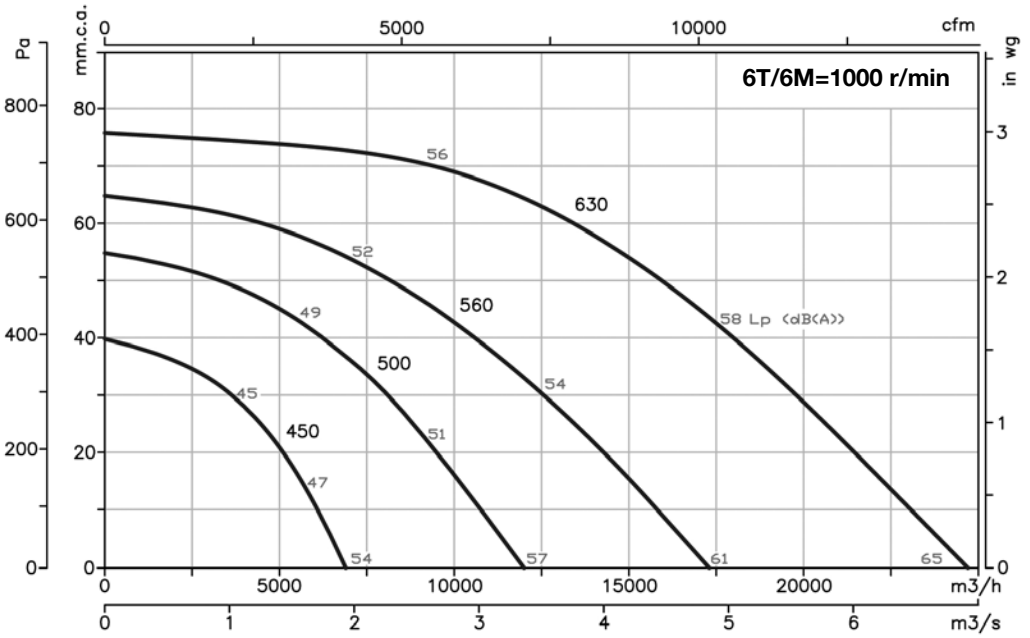
Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.
The Lp (dB(A)) sound levels given on the curves are free field pressure measurements at 6 metres at the inlet.



Characteristic curves

Q = Airflow in m^3/h, m^3/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.





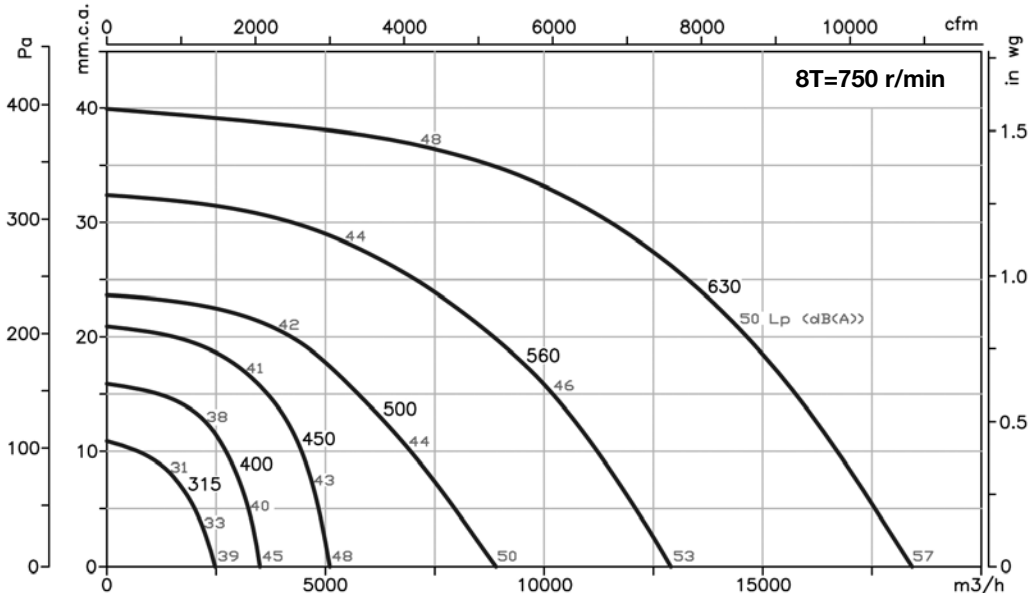
Accessories

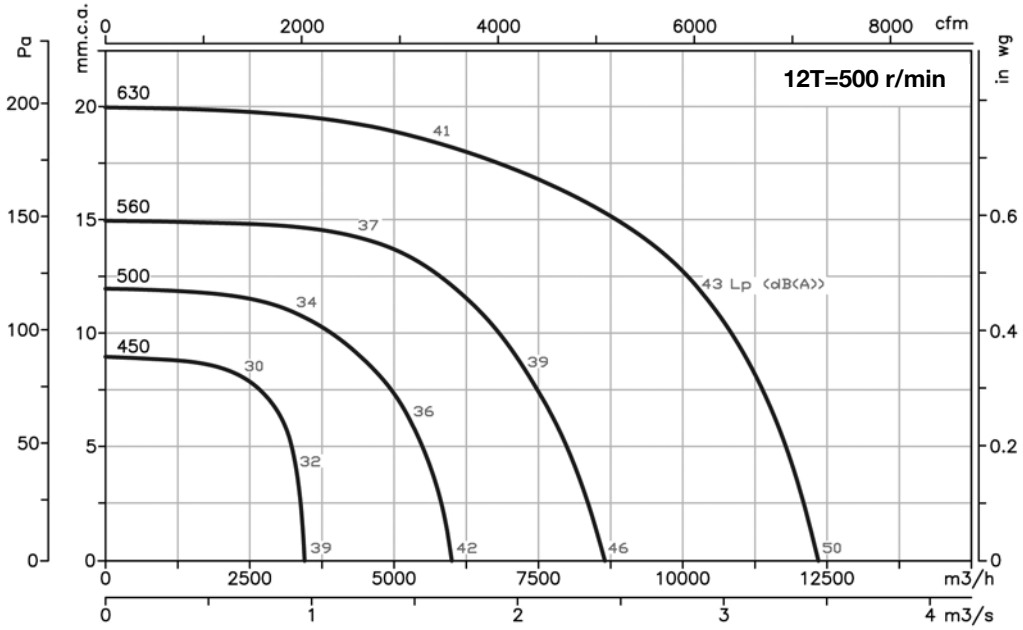
See accessories section

INT C2V AR RM RFT BAC B PA MS PT S SI

Characteristic curves

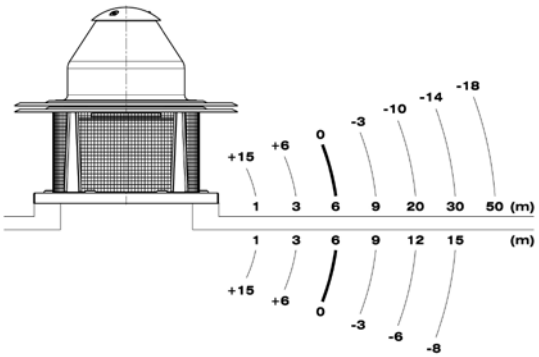
Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.
The Lp (dB(A)) sound levels given on the curves are free field pressure measurements at 6 metres at the inlet.





Variation of sound pressure depending on distance

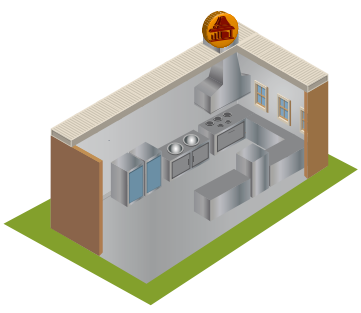
The sound level may vary depending on the roof structure.



Example of use

Fans suitable for use in industrial kitchens.
For the correct application of the standard:

- C.T.E. Technical Building Code. Basic SI Document for fire safety. Basic HS Document for health and safety.



CHRE

Centrifugal roof fans with low noise level

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

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

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

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

Order code

CHRE — 722 — 4T

- CHRE: Centrifugal roof fans with low noise level
- 722: Impeller size
- 4T: 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[1] level at 2/3 of Qmax dB(A) Inlet	Outlet	Approx. weight (Kg)
CHRE-722-4T	1360	0.31	0.18	0.02	650	31	37	7.6
CHRE-722-4M	1360	0.25		0.02	650	31	37	7.6
CHRE-825-4T	1360	0.52	0.30	0.03	950	32	38	9.1
CHRE-825-4M	1360	0.34		0.03	950	32	38	9.1
CHRE-1131-4T	1330	0.78	0.45	0.08	2000	39	45	14.1
CHRE-1131-4M	1330	0.70		0.08	2000	39	45	14.1
CHRE-1131-6T	910	0.43	0.25	0.03	1280	28	34	13.6
CHRE-1131-6M	910	0.35		0.03	1280	28	34	13.6
CHRE-1135-4T	1280	0.95	0.55	0.10	2500	43	48	19.1
CHRE-1135-4M	1280	0.85		0.10	2500	43	48	19.1
CHRE-1135-6T	880	0.52	0.30	0.04	1800	31	38	18.1
CHRE-1135-6M	880	0.50		0.04	1800	31	38	18.1
CHRE-1240-4T	1330	1.49	0.86	0.30	4000	46	52	24.8
CHRE-1240-4M	1330	2.10		0.30	4000	46	52	26.3
CHRE-1240-6T	860	0.61	0.35	0.06	2400	35	41	22.3
CHRE-1240-6M	860	0.70		0.06	2400	35	41	22.8
CHRE-1445-4T	1345	2.17	1.25	0.45	5400	53	59	36.0
CHRE-1445-4M	1345	2.80		0.45	5400	53	59	38.0
CHRE-1445-6T	920	1.13	0.65	0.15	3700	42	48	34.5
CHRE-1445-6M	920	1.10		0.15	3700	42	48	36.0
CHRE-1650-4T	1380	3.29	1.90	0.80	7600	57	62	40.5
CHRE-1650-4M	1380	5.80		0.80	7600	57	62	48.5
CHRE-1650-6T	900	1.40	0.81	0.27	5200	45	52	38.0
CHRE-1650-6M	900	3.00		0.27	5200	45	52	40.0

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

Acoustic features

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

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

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

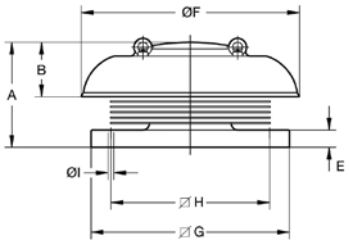
Values taken at outlet with 2/3 of the maximum airflow (2/3Qmax).

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

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

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

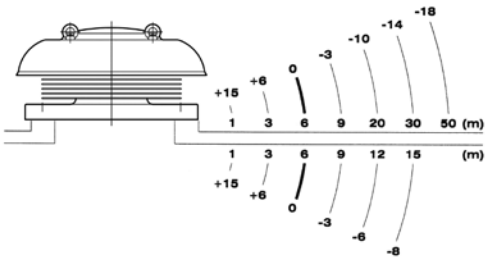
Dimensions in mm



Model	A	B	E	øF	⍁G	⍁H	øI
CHRE-722	194	110	30	440	355	295	12
CHRE-825	212	110	35	440	400	320	12
CHRE-1131	308	176	40	620	450	360	12
CHRE-1135	325	176	40	620	560	450	12
CHRE-1240	351	176	40	620	560	450	12
CHRE-1445	393	228	40	770	710	590	12
CHRE-1650	426	228	40	770	710	590	12

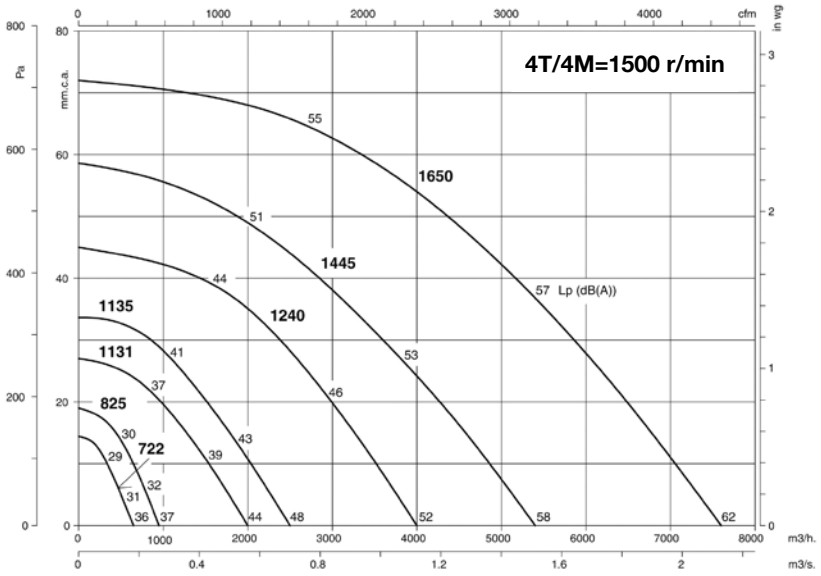
Variation of sound pressure depending on distance

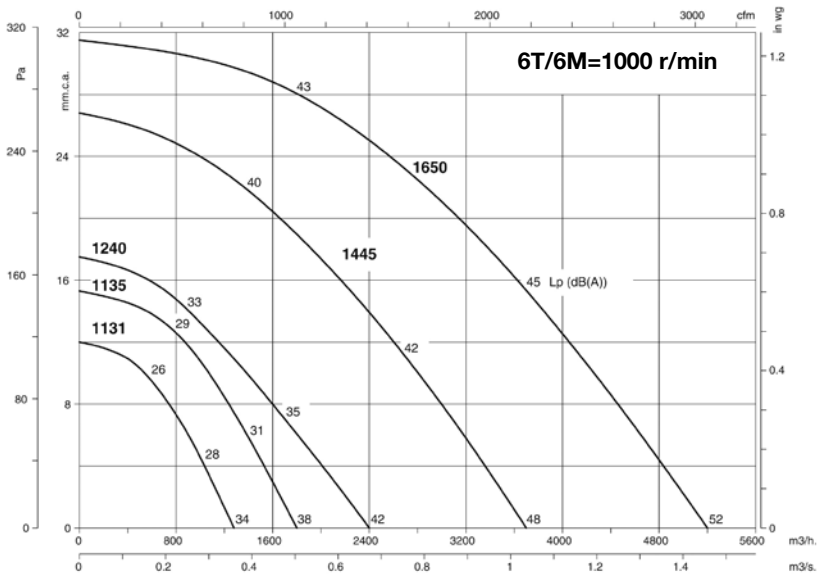
The sound level may vary depending on the roof structure.



Characteristic curves

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





Accessories

See accessories section

CTD

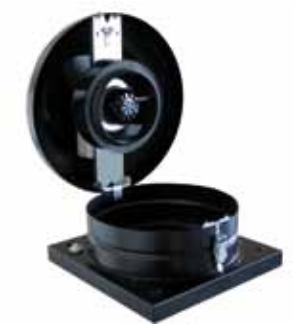
Centrifugal roof fans for houses ventilation

Low noise centrifugal roof fans for houses ventilation
in accordance with the Spanish Technical Building Code

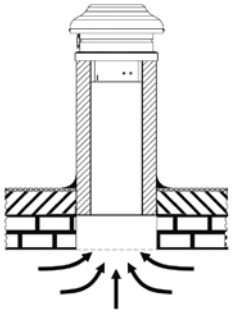
Fan:
- Sheet steel base plate.
- Impeller with backward-curved blades made from sheet steel
- Sheet steel rain deflector hood with anticorrosive protection
- Adjustable by variation of voltage
- Safety switch on request

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

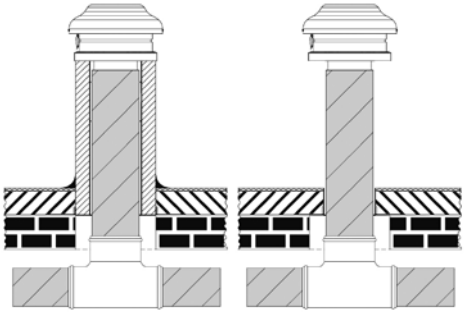
Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.



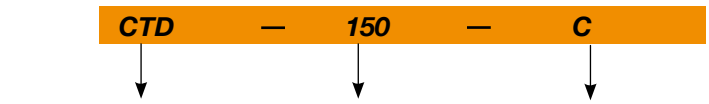
B version



C version



Order code



Technical characteristics

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

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

Acoustic features

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

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

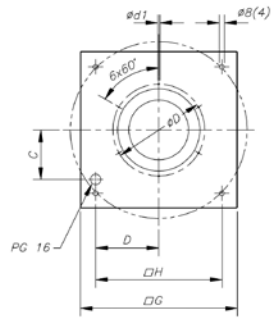
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
CTD 150	38	44	54	59	60	61	57	41
CTD 160	38	44	54	59	60	61	57	41
CTD 200	39	50	57	63	64	62	58	54
CTD 250	40	52	56	63	64	62	56	51
CTD 315	44	57	59	64	65	63	62	57

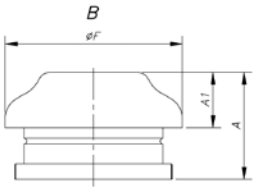
Values taken at outlet with 2/3 of the maximum airflow (2/3Qmax).

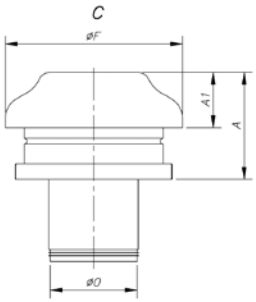
Model	63	125	250	500	1000	2000	4000	8000
CTD 150	28	37	51	54	58	53	47	32
CTD 160	28	37	51	54	58	53	47	32
CTD 200	31	44	53	57	58	54	50	40
CTD 250	32	44	53	58	61	59	52	43
CTD 315	34	50	55	58	61	59	52	45

Dimensions in mm



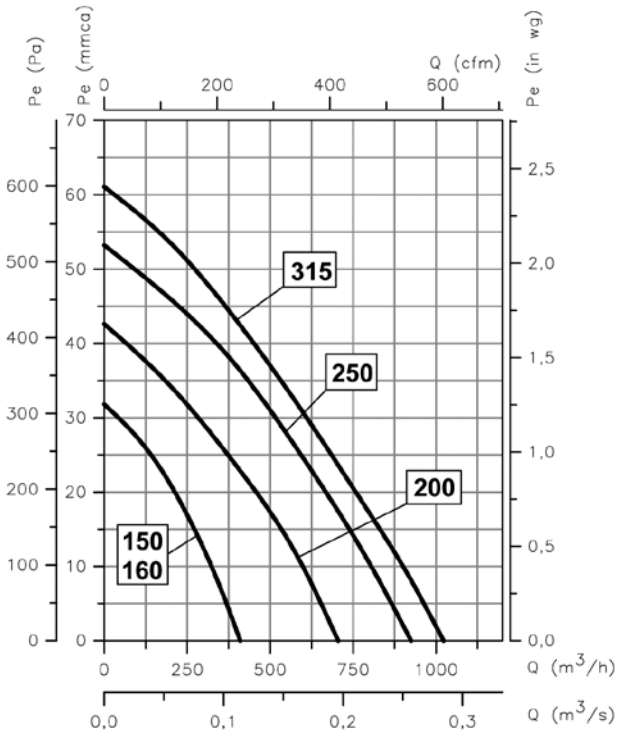
Model	øF	A	A1	☑G	øD	ød1	C	D	☑H	øO
CTD-150/B	344	207.3	107	305	177	6.1	96.5	123.5	245	-
CTD-160/B	344	207.3	107	305	177	6.1	96.5	123.5	245	-
CTD-200/B	450	214.35	109	405	230	7.1	138	168	330	-
CTD-250/B	450	245.55	109	405	230	7.1	138	168	330	-
CTD-315/B	450	245.55	109	405	230	7.1	138	168	330	-
CTD-150/C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





Characteristic curves

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



On request

INT
Safety switch

CA-ROOF

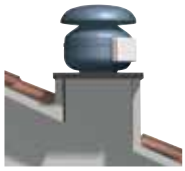
Centrifugal roof fans for ventilation of chimneys in houses

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

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

Built:
- Galvanised sheet base plate
- Impeller with backward-curved blades
- Galvanised sheet rain deflector hood
- Treated with rust-inhibitor paint

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



B version

C version

Order code

CA-ROOF — 125 — C

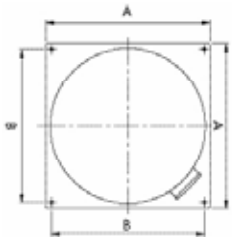
- CA-ROOF: Centrifugal roof fans
- 125: Nominal diameter for duct
- C: B: Base version, C: Duct version

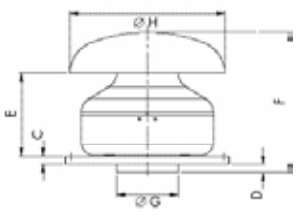
Technical characteristics

Model	Speed (r/min)	Max. admissible current (A) 220-240V	Power (W)	Maximum airflow (m^3/h)	Irradiated sound level * dB(A)	Weight (Kg)
CA/ROOF 125	2300	0.34	75	350	54	5
CA/ROOF 150	2370	0.34	80	450	56.5	7
CA/ROOF 160	2650	0.68	150	750	64	8.8
CA/ROOF 200	2700	0.69	160	850	63	8
CA/ROOF 250	2430	0.80	180	1180	61.5	9.9
CA/ROOF 315	2480	1.10	250	1600	64.5	11

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

Dimensions in mm





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

Accessories

See accessories section

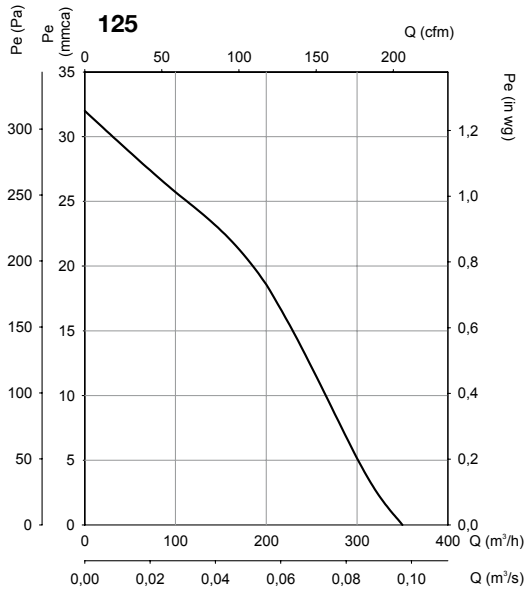
INT

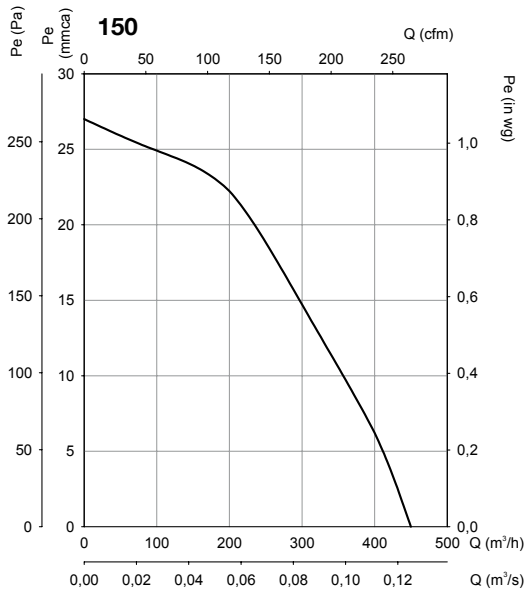
RM

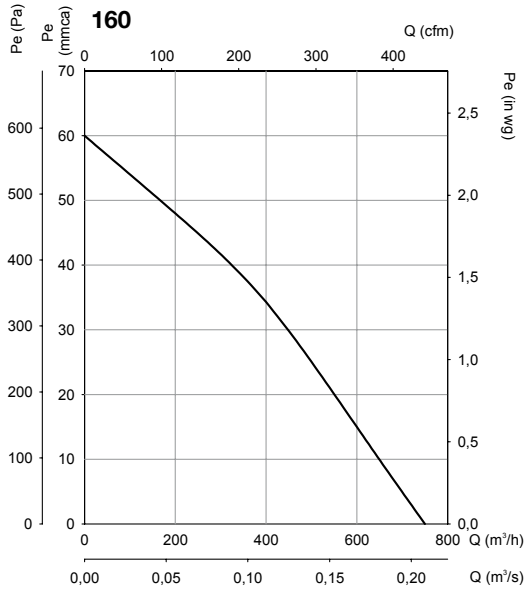
SI

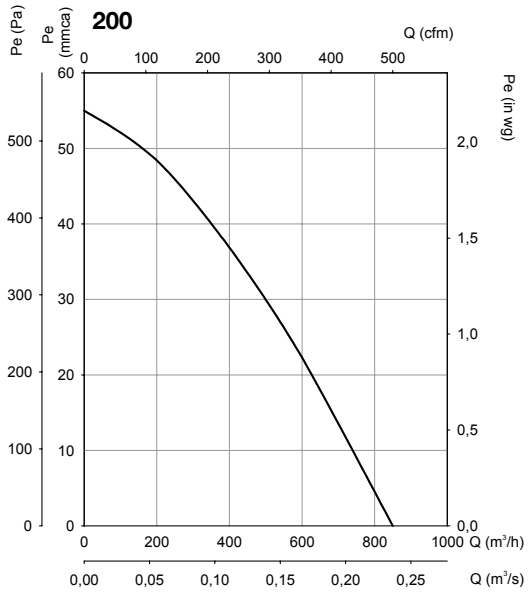
Characteristic curves

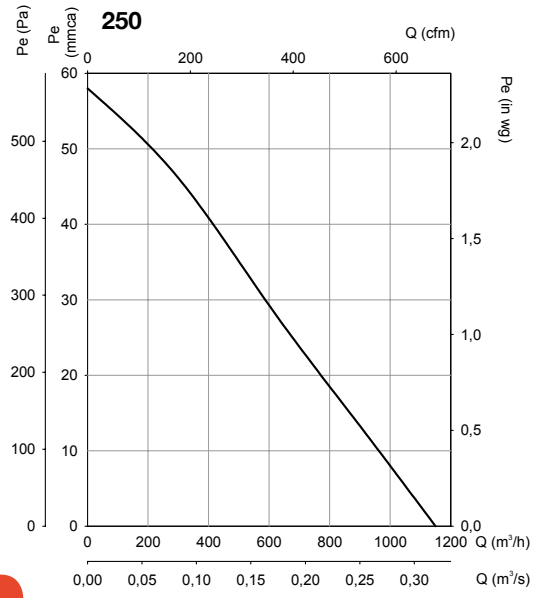
Q = Airflow in m^3/h and m^3/s. Pe= Static pressure in mm.w.c., Pa

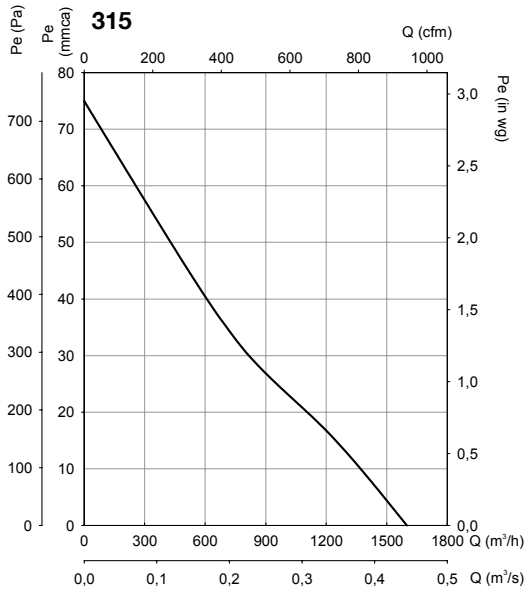












TIRACAMINO

Fans to extract smoke in chimneys and barbecues

- Designed especially to extract smoke up to 200ºC in chimneys and barbecues
- Equipped with an electronic regulator so as to regulate the speed and the flow of the extractor according to the real need for smoke extraction
- Designed for continuous operation at 200ºC

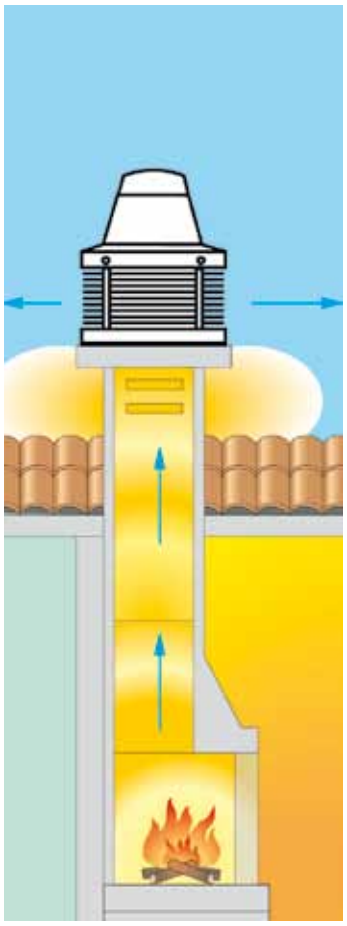
Built:
- Manufactured in sheet steel with polyester resin to stand up to atmospheric agents
- Bird guard
- Supplied voltage 230V. 50 Hz

Motor:
- BASIC: works with separate switch or regulator

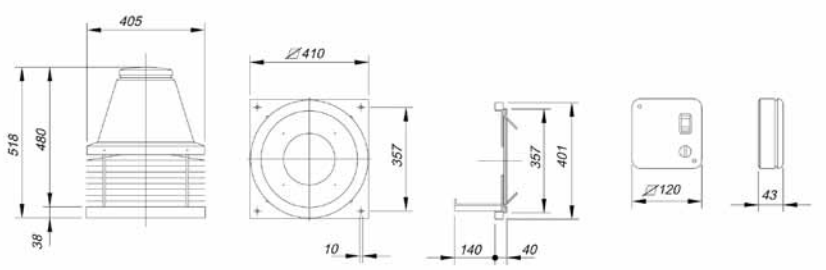
Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	Absorbed power (W)	Maximum airflow (m^3/h)	Sound pressure level(*) dB(A)	Approx. weight (Kg)
TIRACAMINO	1400	0.50	120	750	52	14.3

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

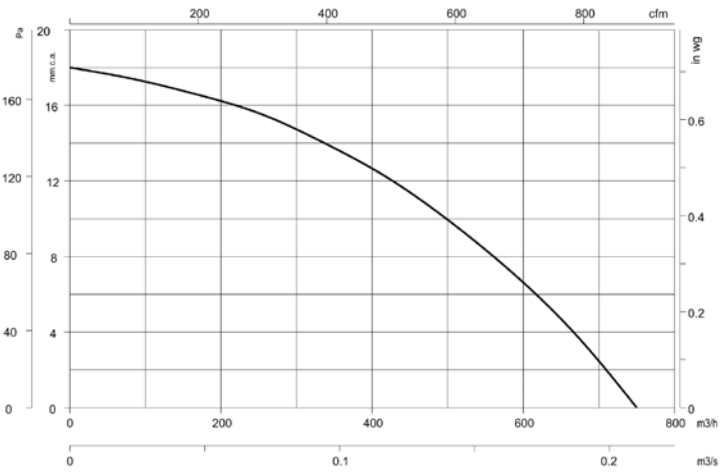


Dimensions in mm

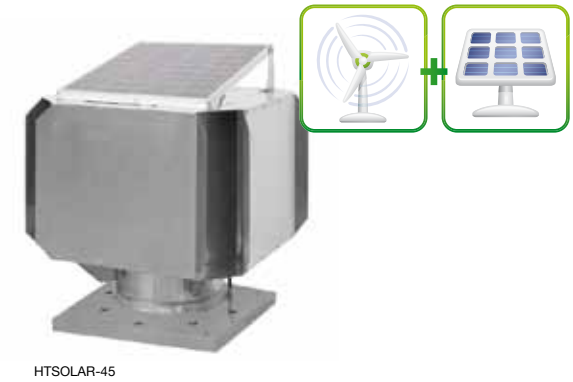


Characteristic curves

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



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 (26.5°C)/OFF (18°C)

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 (26.5°C)/OFF (18°C)

Order code

HTSOLAR — 45 — D

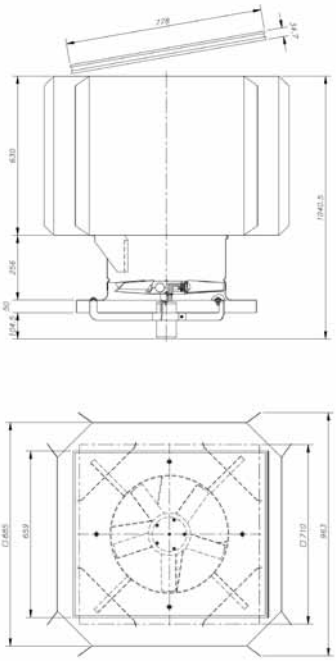
- **HTSOLAR**: Roof fans without electrical installation and without electricity consumption
- **45**: Impeller diameter (cm)
- **D**: two-fan version; **S**: one-fan version

Technical characteristics

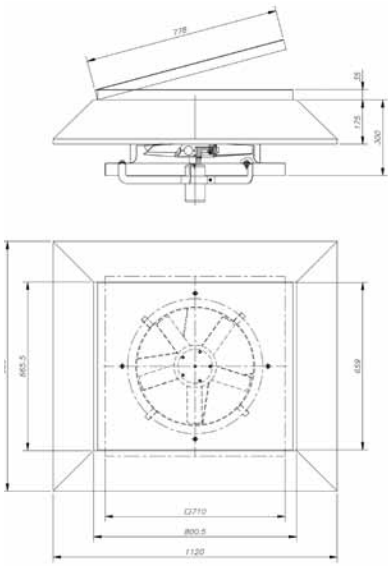
Model	Speed (r/min)	Maximum admissible current (A)	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level dB(A) Inlet	Sound pressure level dB(A) Outlet	Approx. weight (Kg)
HTSOLAR-45	1350	3.50	0.10	3010	48	50	55
HTSOLAR-45-S	1350	3.50	0.10	2800	48	50	34
HTSOLAR-45-D	1350	3.50	2 x 0.10	5600	51	53	65

Dimensions in mm

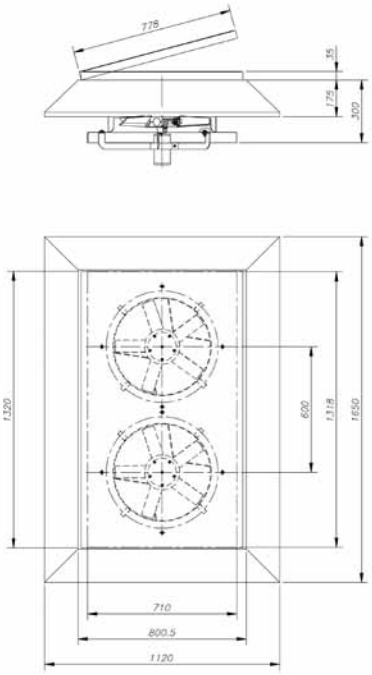
HTSOLAR-45



HTSOLAR-45-S

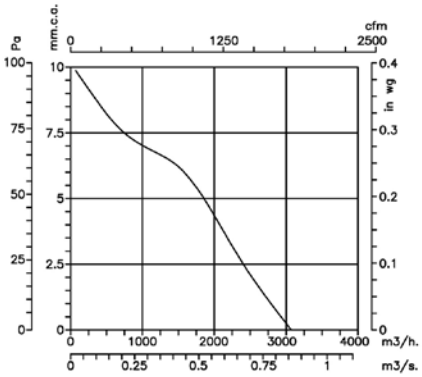


HTSOLAR-45-D

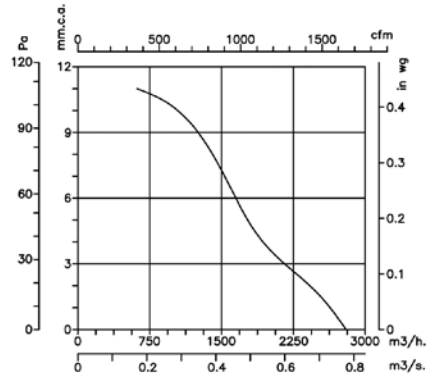


Characteristic Curves

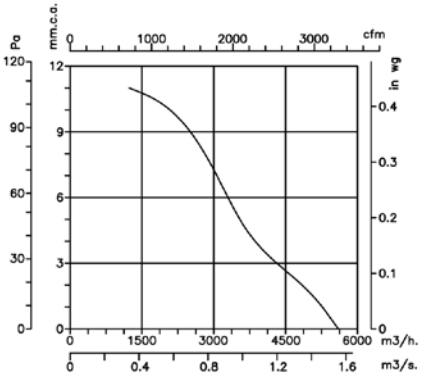
HTSOLAR-45



HTSOLAR-45-S



HTSOLAR-45-D



RCH

Fan and chimney top for hybrid extraction in community housing

- Designed especially for the extraction of air in houses or community housing, through chimneys or shunts. It makes it possible to maintain an attractive and uniform design throughout the house
- The Venturi version, only for natural extraction, without an extractor
- The lightness of the aluminium means that installation on the roof is rapid and simple

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

Versions:
- BASIC: It works with a switch or with a SI-VENT wind monitor
- VENTURI: Natural operation without an extractor using the Venturi effect
- TEMPERATURA: Designed for the extraction of air in homes and barbecues with a maximum temperature of 150ºC

On request:
- Measurements to fit any chimney

SI-VENT Accessories

SYSTEM OF HYBRID VENTILATION (H.V)

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

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

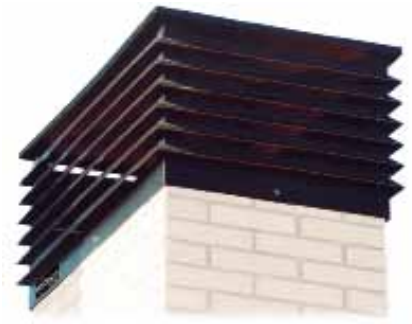
WIND CONTROLLER

SI-VENT, Wind sensor

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

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

RCH-400x800VM



+

Fan and chimney top for hybrid extraction in community housing

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

- It makes it possible to maintain an attractive and uniform design throughout the house.
- The lightness of the aluminium means that installation on the roof is rapid and simple
- On demand, measures adapted to any chimney

Built:

- Manufactured in black pre-lacquered aluminium which is not altered by atmospheric agents
- Perfectly designed slats so as to obtain a high-performance Venturi effect
- Impeller unit with backward-curved blades with external rotor motor
- Adjustable differential pressure transmitter from 0 ….250 Pa, including screen for digital display and connection accessories
- Speed regulator by means of a frequency converter RFM-0,5

Motor:

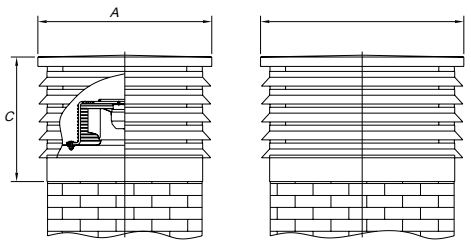
- Motor with Long Life ball bearings, IP54 protection
- Converter supply, single-phase 230V. 50 Hz, converter output voltage to motor, three-phase 230v. 50Hz
- Working temperature: -20ºC +50ºC

Technical characteristics

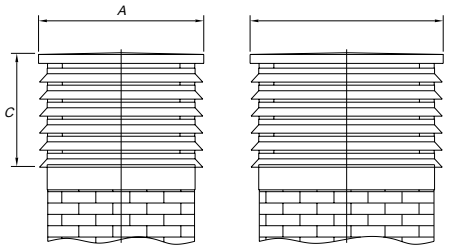
Model	Speed (r/min)	Max. admissible current (A) 220-240V	Installed power (kW)	Maximum airflow (m^3/h)	Sound pressure level at 2/3 of Qmax dB(A) Inlet	Outlet	Weight approx. (Kg)
RCH-400x400B	1360	0.34	0.03	950	32	35	9
RCH-400x400T	1380	0.65	0.25	1450	37	40	25
RCH-400x600B	910	0.35	0.03	1280	28	31	14
RCH-400x800B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

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

Dimensions in mm



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

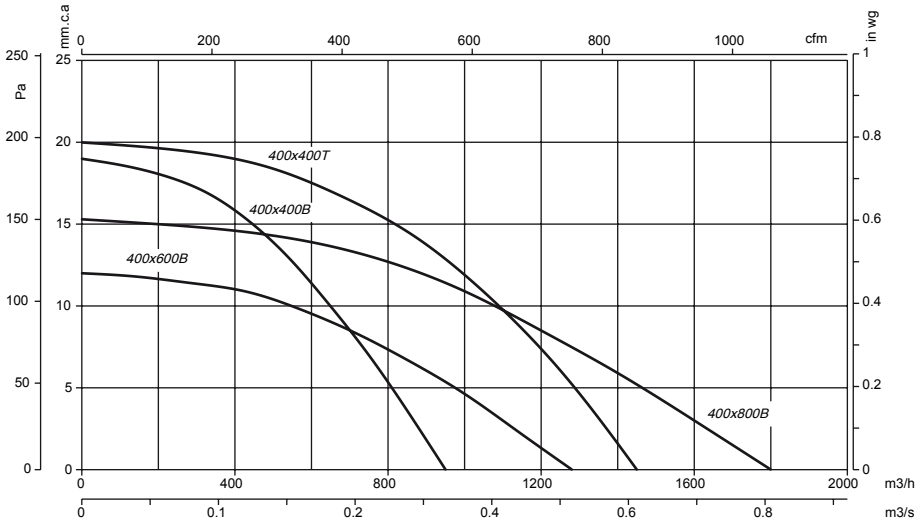


Model	A	B	C	Useful area
RCH-400x400V	400	400	600	0.134 m^2
RCH-400x600V	400	600	600	0.191 m^2
RCH-400x800V	400	800	600	0.248 m^2

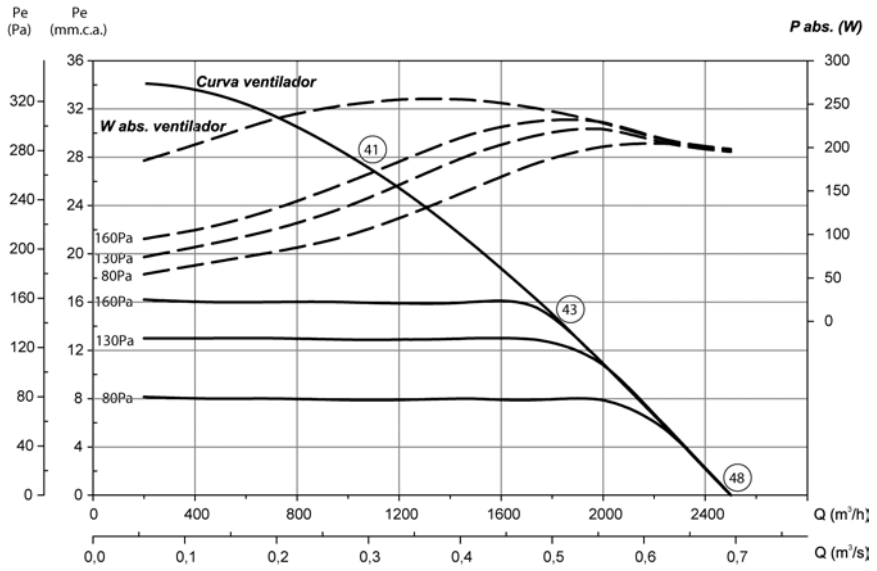
Characteristic curves

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

RCH

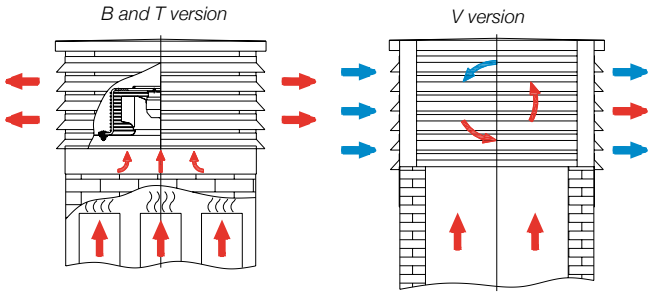


RCH-400x800VM



◯ *Los niveles sonoros LpA indicados en las curvas, son presiones medidas a 6 mts., a la aspiración y en campo libre*

Examples of operation



ACCESSORIES

INT

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

126

RM

Eletronic speed controllers

126

C2V

Switch for two-speed motors.

126

AR

Smooth starters for three-phase motors.

126

RFT RFM

Frequency converters for 400 V three-phase motors.

127

ELECTRICAL PANELS

Electrical panels

127

PL

Backdraught shutters

129

P

Aluminium backdraught louvres

129

P-400

Backdraught louvres certified for 400ºC/2h

129

R

Protection guard for aspiration of axial fans.

130

RI

Protection guard for outlet of axial fans.

130

RT

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

130

BTUB

Coupling flange for axial fans.

130

B

Coupling flange for centrifugal fans.

131

BAC

Double, elastic coupling flange for axial fans

131

PS

Support stands for long-cased fans.

131

MS

Support frame to facilitate mounting on-site

132

PA

Adaptation plate to mount accessories on roof fans.

132

PT

Automatic-closing shutters to work in vertical position

132

OP

Backdraught shutters for roof fans

132

REG

Record of regulation manual

132

S

Silencers to fit to inlet or outlet

133

MOTORS

Three-phase asynchronous motors

134

INTELLIGENT SENSORS

135

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

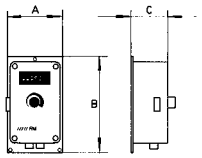
Model	Current (A)	(kW)	Cable input (mm)
INT-CA 10/6CA	20	5.5	19
INT-KG 10/6CA	20	5.5	23
INT-KG 20/6CA	25	7.5	29
INT-KG 32/6CA	32	11	29
INT-KG 41/6CA	40	15	37.5
INT-KG 64/6CA	63	22	37.5
INT-KG 80/6CA	80	30	37.5
INT-KG 100/6CA	100	37	37.5

RM

Electronic speed controllers

Features:
- Electronic speed controllers especially designed for fans with single-phase motors, in accordance with standard EN-60335
- Models RM-1, RM-2 and RM-3, IP-54 protection. Models RM-00, RM-01 and RM-02, IP-44 protection
- In accordance with Electromagnetic Compatibility Directives 92/31/EEC and 93/68/EEC and in accordance with Low Voltage Directive 73/23/EEC
- On/off switch.
- Minimum speed adjustment
- With EMC filters in accordance with standard EN-55014

Model	Input voltage	Protection	Maximum current (A)
RM-00	230 V-50/60 Hz	IP-44	0.5
RM-01	230 V-50/60 Hz	IP-44	1
RM-02	230 V-50/60 Hz	IP-44	2
RM-1	230 V-50/60 Hz	IP-54	3
RM-2	230 V-50/60 Hz	IP-54	5
RM-3	230 V-50/60 Hz	IP-54	10



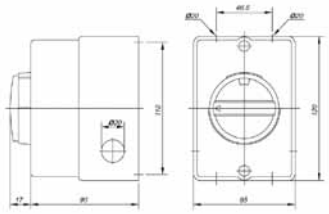
Model	A	B	C
RM-00	81	81	66
RM-01	81	81	66
RM-02	81	81	66
RM-1	80	145	80
RM-2	96	164	85
RM-3	96	164	85

C2V

Switch for two-speed motors

Features:
- 1-0-2 three-position switch to operate two-speed motors with Dahlander connection
- IP67 protection

Model	Current (A)	(kW)	Cable input (mm)
C2V-CG10 A441	20	5.5	20



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.

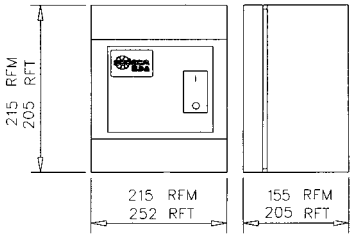
Features:
- The RFT converter series are suitable to vary the speed, via voltage and frequency, of axial and centrifugal fans with 400V three-phase motors. Converter power supply: 400V three-phase. 50/60 Hz.
- In accordance with Electromagnetic Compatibility Directives 92/31/EEC and 93/68/EEC and in 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: $\mathbf{Pa_2 = Pa_1\ (n_2 / n_1)^3}$

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).

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 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

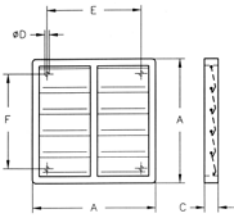
For fan with three-phase 400V Dahlander motor. Power 3x400V+N

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

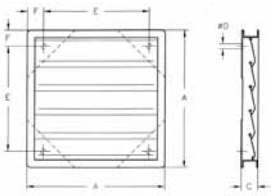


Model	Measurements				
	A	C	ØD	E	F
PL-20	240	28	5.2	193	167
PL-25	294	26	5	232	232
PL-31	347	26	5	276	276
PL-35	397	26	5	310	310
PL-40	459	26	5	364	364
PL-45	501	26	5	395	395
PL-50	549	31	5	445	445
PL-56	605	28	5	522	522
PL-63	696	31	5	626	626
PL-71	760	40	5	692	692
PL-80	840	40	5	772	772
PL-90	940	40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

P

Aluminium backdraught louvres

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

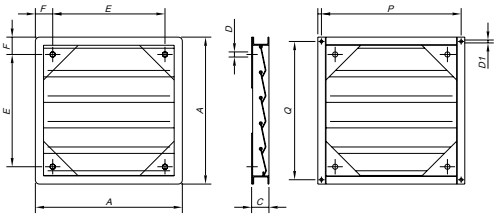


Model	Measurements				
	A	C	ØD	E	F
P-25	290	51	6	187	51.5
P-35	400	81	6	266	67
P-45	500	51	6	347	76.5
P-56	600	51	6	447	76.5
P-63	715	72	6	535	90
P-71	780	72	6	605	87.5
P-80	875	72	6	675	100
P-90	970	72	6	755	107.5
P-100	1070	72	6	850	110

P-400

Backdraught louvres, certified for 400ºC/2h.

Features:
- Supplied mounted in the box with appropriate adapter
- Standardisation in accordance with standard EN-12101-3- 2002, certificate no.: 0370-CPD-0312
- Frame made from sheet steel and slats from aluminium sheet.
- Can be used for other 400ºC/2h applications



Model	A	C	ØD	E	F	P	Q	D1
P-400-56	645	51	6	492	76.5	595	595	10
P-400-63	760	72	6	580	90	720	720	10
P-400-80	915	72	6	715	100	880	880	10
P-400-100	1115	72	6	895	100	1080	1080	10

R

Protection guard for aspiration of axial fans.

Model	HC	HCH
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

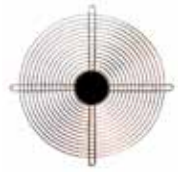
Model	HC	HCH
R-80/C	80	
R-80 - 5,5	-	80-4T-3, 80-4T-4, 80-4T-5.5, 80-6T-2, 80-6T-3, 80-8T-1
R-90	-	90-4T-4, 90-4T-5.5, 90-6T-2, 90-6T-3, 90-8T-1, 90-8T-1.5, 90-8T-2
R-90/C	90	
R-90 - 7,5	-	90-4T-7.5, 90-4T-10, 90-6T-4, 90-8T-3
R-100	-	100-6T-3, 100-8T-1.5, 100-8T-2
R-100/C	100	
R-100-7,5/C	100 4T/H	
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	HEP	HCD	HC	HRE	HCH
RI-20	-	20	-	-	-
RI-25/E	-	-	-	25	-
RI-25	25	25	25	-	-
RI-31/E	-	-	-	31	-
RI-31	31	30	31	-	-
RI-35/E	-	-	-	35	-
RI-35/B	-	-	-	-	35
RI-35/C	35	35	35	-	-
RI-40	40	40	40	-	40

Model	HEP	HCD	HC	HRE	HCH
RI-45	45	-	45	-	45
RI-50	50	-	50	-	-
RI-56	56	-	56	-	56
RI-63	63	-	63	-	63
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	HEPT	HCT	HGT	HPX
RT-25	-	25	-	-
RT-31/B	-	31	-	-
RT-31	31	-	-	-
RT-35	35	35	-	35
RT-40	40	40	-	-
RT-45	45	45	-	45
RT-50	50	50	-	50
RT-56	56	56	-	56

Model	HEPT	HCT	HGT	HPX
RT-63	63	63	-	63
RT-71	-	71	-	71
RT-80	-	80	-	80
RT-90	-	90	-	90
RT-100	-	100	-	100
RT-125	-	-	125	-
RT-125/CC	-	-	125	-

BTUB

Coupling flange for axial fans.

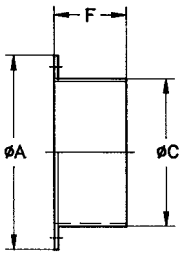
Model	HEPT	HCT	HGT	HPX	HT
BTUB-250	-	25	-	-	25
BTUB-280	-	31	-	-	-
BTUB-315	31	-	-	-	31
BTUB-355	35	35	-	-	35
BTUB-400	40	40	-	-	40
BTUB-450	45	45	-	45	45
BTUB-500	50	50	-	50	50
BTUB-560	56	56	-	56	56

Model	HEPT	HCT	HGT	HPX	HT
BTUB-630	63	63	-	63	63
BTUB-710	-	71	-	71	71
BTUB-800	-	80	-	80	80
BTUB-900	-	90	-	90	90
BTUB-1000	-	100	-	100	100
BTUB-1250	-	-	125	-	-
BTUB-1400	-	-	140	-	-
BTUB-1600	-	-	160	-	-

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	CHT/CVT	CHRE
B-52-E	-	-
B-63	-	-
B-80	-	-
B-80-E	-	-
B-100	-	-
B-100-E	-	-
B-112	-	-
B-125	-	-
B-140	-	-
B-150	-	-
B-160	-	-

Model	CHT/CVT	CHRE
B-160/1	-	722
B-180	-	825
B-200	-	-
B-224	-	-
B-250/1	-	-
B-250/2	-	-
B-250/3	200/225	1131
B-250/4	-	-
B-250/5	-	-
B-280/1	-	-
B-280/2	-	-

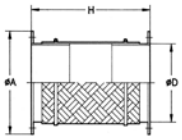
Model	CHT/CVT	CHRE
B-280/3	-	-
B-315/1	-	-
B-315/2	-	-
B-315/3	-	-
B-315/4	-	-
B-355/1	-	-
B-355/2	-	-
B-355/3	250/315	1135/1240
B-355/4	-	-
B-400/1	-	-
B-400/2	-	-

Model	CHT/CVT	CHRE
B-400/3	-	-
B-400/4	-	-
B-450/1	-	-
B-450/2	-	-
B-450/3	-	-
B-500/1	-	-
B-500/2	-	-
B-500/3	-	-
B-500/4	400/450	1445/1650
B-560/1	-	-
B-560/2	-	-

Model	CHT/CVT	CHRE
B-560/3	-	-
B-630/1	-	-
B-630/2	-	-
B-630/3	500	-
B-630/4	-	-
B-710/1	-	-
B-710/2	560/630	-
B-710/3	-	-
B-800	-	-
B-900/1	-	-
B-1000/1	-	-

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	HEPT	HCT	HGT	CHT	HT	HPX	CHRE
BAC-160	-	-	-	-	-	-	722
BAC-180	-	-	-	-	-	-	825
BAC-250	-	25	-200/225		25	-	1131
BAC-315/B	-	31	-	-	-	-	-
BAC-315	31	-	-	-	31	-	-
BAC-355	35	35	- 250/315		35		351135/1240
BAC-400	40	40	-	-	40	-	-
BAC-450	45	45	-	-	45	45	-

Model	HEPT	HCT	HGT	CHT	HT	HPX	CHRE
BAC-500	50	50	- 400/450		50	50	1145/1650
BAC-560	56	56	-	-	56	56	-
BAC-630	63	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	-	-	125	-	-	-	-

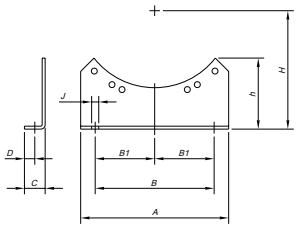
	ØD*	ØA*	H
BAC-250	250	310	340
BAC-355	355	430	340
BAC-400	400	480	340
BAC-450	450	530	340
BAC-500	500	590	340
BAC-560	560	650	340
BAC-630	630	720	340
BAC-710	710	800	340
BAC-800	800	890	340
BAC-900	900	1000	340
BAC-1000	1000	1100	340
BAC-1250	1250	1365	340

*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.



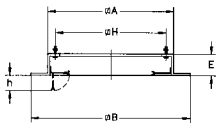
	A	B	B1	C	D	h	H	ØJ
PS-35/40	240	200	-	40	17	75	270.5	12
PS-45/50	450	400	200	40	17	175	328	12
PS-45/50	450	400	200	40	17	175	355	12
PS-56/63	520	430	215	45	20	242	425	14
PS-56/63	520	430	215	45	20	242	472.5	14
PS-71	620	530	265	50	20	228	530	16
PS-80	730	640	320	60	25	255	590	16
PS-90	780	690	345	70	30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

Model	HEPT	HCT	HGT	HPX
PS-25/31	31	25/31	-	-
PS-35/40	35/40	35/40	-	35
PS-45/50	45/50	45/50	-	45/50
PS-56/63	56/63	56/63	-	56/63
PS-71	-	71	-	71
PS-80	-	80	-	80
PS-90	-	90	-	90
PS-100	-	100	-	100
PS-125	-	-	125	-

MS

Support frame to facilitate mounting on-site

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



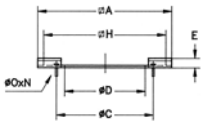
	ØA	ØB	E	ØH	h
MS-348	348	520	60	295	70
MS-393	393	565	60	320	70
MS-443	443	615	60	360	70
MS-493	493	665	60	410	70
MS-553	553	725	60	450	70

	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	CHRE
MS-348	-	-	722
MS-393	-	-	825
MS-443	200/225	25	1131
MS-493	-	31	-
MS-553	250/315	35	1135/1240
MS-623	-	40	-
MS-701	400/450	45	1445/1650
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°

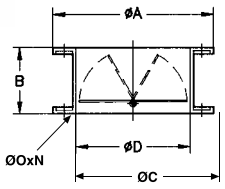
	ØA	ØJ	ØD	E	ØH	ØO	N
PA-890/630	890	690	629	20	750	M.10	12x30°
PA-890/560	890	620	559	20	750	M.10	12x30°
PA-990/630	990	690	629	20	850	M.10	12x30°
PA-990/710	990	770	709	20	850	M.10	16x22°30'
PA-1085	1085	770	709	20	850	M.10	16x22°30'
PA-1138/800	1138	860	799	25	1000	M.10	16x22°30'
PA-1138/900	1138	970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

Model	CHT	HT	CHRE
PA-345	-	-	722
PA-390	-	-	825
PA-440/250	200/225	25	1131
PA-490	-	31	-
PA-550	250/315	35	1135/1240
PA-620	-	40	-
PA-700/500	400/450	-	1445/1650
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	CHRE
PT-160	-	722
PT-180	-	825
PT-250	200/225	1131
PT-355	250/3151	135/1240
PT-500	400/450	1445/1650
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

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

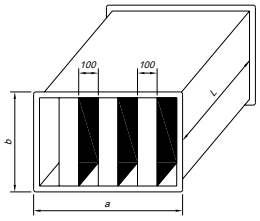
Model	L	ØD*
REG-250	100	250
REG-280	100	280
REG-315	100	315
REG-355	100	355
REG-400	100	400
REG-450	150	450
REG-500	150	500
REG-560	150	560
REG-630	250	630
REG-800	250	800

S

Silencers to fit to inlet or outlet.

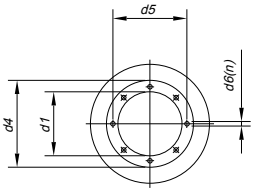
Features:

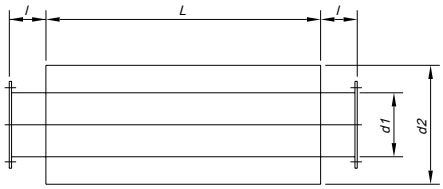
- Circular or rectangular silencers to fit to inlet or outlet on centrifugal or axial fans.



INLET / OUTLET (Rectangular cross section)

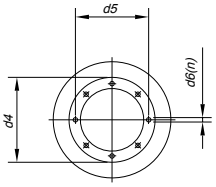
	L	a	b	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
SR-1000/900/900	900	1000	900	64	4	10	21	37	44	37	HCH/HCT/THT-63
SR-1200/900/900	900	1200	900	74	4	10	21	37	44	37	HCH/HCT/THT-71
SR-1400/1200/900	900	1400	1200	102	4	12	25	41	47	42	HCH/HCT/THT-80
SR-1800/1200/1200	1200	1800	1200	169	4	12	25	41	47	42	HCH/HCT/THT-90
SR-1800/15001200	1200	1800	1504	195	4	12	25	41	47	42	HCH/HCT/THT-100

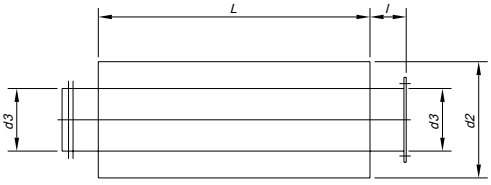




INLET / OUTLET (Circular cross section)

	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/THT-63
SC-710/900	900	710	900	100	710	800	770	12	16x22°30'	65	5	8	13	11	12	8	HCH/HCT/THT-71
SC-800/900	900	800	1000	100	800	900	860	12	16x22°30'	70	4	8	11	9	9	8	HCH/HCT/THT-80
SC-900/1200	1200	900	1120	100	900	1000	970	15	16x22°30'	87	5	7	11	11	7	5	HCH/HCT/THT-90
SC-1000/1200	1200	1000	1200	100	1000	1100	1070	15	16x22°30'	95	4	7	11	10	7	6	HCH/HCT/THT-100





INLET

	L	d2	d3	d4	d5	d6	n	Kg	Replacement dampers (dB) on octave band (Hz) 125	250	500	1000	2000	4000	Applicable
S-160/600-A	600	260	160	220	200	10	4x90°	6	3	11	22	33	42	29	CHRE-722
S-180/600-A	600	300	180	240	210	10	4x90°	7	4	8	15	31	28	20	CHRE-825
S-250/600-A	600	450	250	310	280	10	4x90°	14	5	12	20	24	23	14	CVT-CHT-200/225 HT-25 / CHRE-1131
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 / CHRE-1135/1240
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 / CHRE-1445/1650
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

MOTORS

IE-2 Three-phase asynchronous motors

Features:
- Speeds: 2, 4, 6 and 8 poles
- Three-phase power 230/400V 50Hz up to 5.5CV, and 400/690V 50Hz for greater power
- Form of construction IM B3 (IM 1001)
- Closed motors, with external ventilation (IC 411)
- Degree of protection IP-55
- Class F insulation
- S1 Service

On request:
- Other forms of construction
- Single-phase motors
- Two-speed motors

Regulations:
- They fulfil the following international regulations:

HIGH EFFICIENCY IE2

Electric regulations	
General prescriptions on electrical machines	IEC/EN 60034-1
Marking of terminals and direction of rotation	IEC 60034-8
Start up characteristics of three-phase induction motors	IEC 60034-12
Insulating materials	IEC 60085
Standardised voltages	IEC 60038

Mechanical regulations	
Dimensions and assigned power	IEC 60072
Degrees of protection (Code IP)	IEC/EN 60034-5
Methods of refrigeration	IEC/EN 60034-6
Forms of construction	IEC/EN 60034-7
Noise maximum values	IEC/EN 60034-9
Mechanical vibrations	IEC 60034-14

3000 r/min = 2 poles 50Hz

Type of motor	Power (kW)	Power (C.V.)	Speed (r/min)
MOTOR-56 1-2T	0.09	0.12	2670
MOTOR-56 2-2T	0.12	0.16	2730
MOTOR-63 1-2T	0.18	0.25	2710
MOTOR-63 2-2T	0.25	0.33	2710
MOTOR-71 1-2T	0.37	0.5	2730
MOTOR-71 2-2T	0.55	0.75	2760
MOTOR-80 1-2T	0.75	1	2770
MOTOR-80 2-2T	1.1	1.5	2770
MOTOR-90S-2T	1.5	2	2840
MOTOR-90L-2T	2.2	3	2840
MOTOR-100L-2T	3	4	2840
MOTOR-112M-2T	4	5.5	2880
MOTOR-132S 1-2T	5.5	7.5	2900
MOTOR-132S 2-2T	7.5	10	2920
MOTOR-160M 1-2T	11	15	2940
MOTOR-160M 2-2T	15	20	2940
MOTOR-160L-2T	18.5	25	2940

1500 r/min = 4 poles 50Hz

Type of motor	Power (kW)	Power (C.V.)	Speed (r/min)
MOTOR-56 1-4T	0.06	0.08	1320
MOTOR-56 2-4T	0.09	0.12	1320
MOTOR-63 1-4T	0.12	0.17	1350
MOTOR-63 2-4T	0.18	0.25	1350
MOTOR-71 1-4T	0.25	0.33	1350
MOTOR-71 2-4T	0.37	0.50	1370
MOTOR-80 1-4T	0.55	0.75	1370
MOTOR-80 2-4T	0.75	1.00	1380
MOTOR-90S-4T	1.10	1.50	1400
MOTOR-90L-4T	1.50	2.00	1400
MOTOR-100L 1-4T	2.20	3.00	1420
MOTOR-100L 2-4T	3.00	4.00	1420
MOTOR-112M-4T	4.00	5.50	1430
MOTOR-132S-4T	5.50	7.50	1450
MOTOR-132M-4T	7.50	10.00	1450
MOTOR-160M-4T	11.00	15.00	1460
MOTOR-160L-4T	15.00	20.00	1460

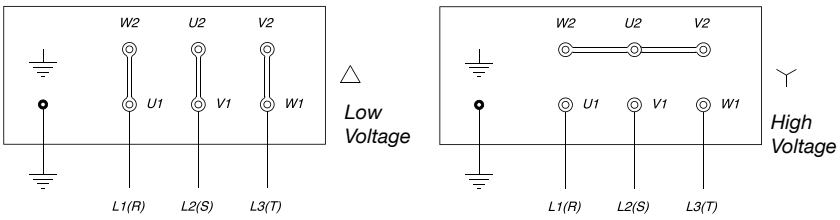
1000 r/min = 6 poles 50Hz

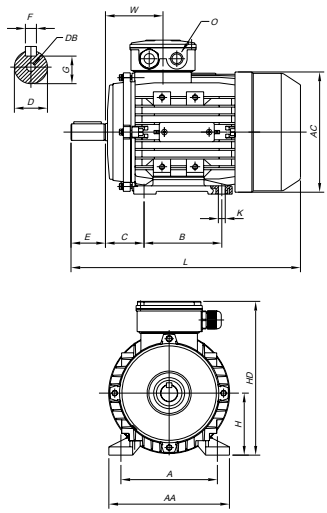
Type of motor	Power (kW)	Power (C.V.)	Speed (r/min)
MOTOR-71 1-6T	0.18	0.25	880
MOTOR-71 2-6T	0.25	0.35	900
MOTOR-80 1-6T	0.37	0.50	900
MOTOR-80 2-6T	0.55	0.75	900
MOTOR-90S-6T	0.75	1.00	920
MOTOR-90L-6T	1.10	1.50	925
MOTOR-100L-6T	1.50	2.00	945
MOTOR-112M-6T	2.20	3.00	955
MOTOR-132S-6T	3.00	4.00	960
MOTOR-132M 1-6T	4.00	5.50	960
MOTOR-132M 2-6T	5.50	7.50	960
MOTOR-160M-6T	7.50	10.00	970
MOTOR-160L-6T	11.00	15.00	970

750 r/min = 8 poles 50Hz

Type of motor	Power (kW)	Power (C.V.)	Speed (r/min)
MOTOR-80 1-8T	0.18	0.25	680
MOTOR-80 2-8T	0.25	0.33	680
MOTOR-90S-8T	0.37	0.50	680
MOTOR-90L-8T	0.55	0.75	680
MOTOR-100L 1-8T	0.75	1.00	710
MOTOR-100L 2-8T	1.10	1.50	710
MOTOR-112M-8T	1.50	2.00	710
MOTOR-132S-8T	2.20	3.00	720
MOTOR-132M-8T	3.00	4.00	720
MOTOR-160M 1-8T	4.00	5.50	720
MOTOR-160M 2-8T	5.50	7.50	720
MOTOR-160L-8T	7.50	10.00	720

Wiring diagram





Measurements

Model	H	A	B	C	D	E	F	G	DB	K	AA	HD	AC	L	O
56	56	90	71	36	9	20	3	7.2	M3	6x8.8	110	160	120	195	1-M16X1.5
63	63	100	80	40	11	23	4	8.5	M4	6x10	120	165	130	215	1-M16X1.5
71	71	112	90	45	14	30	5	11	M5	7x10	132	180	145	245	1-M20X1.5
80	80	125	100	50	19	40	6	15.5	M6	10x13	160	217	165	290	1-M20X1.5
90S	90	140	100	56	24	50	8	20	M8	10x13	175	230	185	310	1-M20X1.5
90L1/L2	90	140	125	56	24	50	8	20	M8	10x13	175	235	185	335/365	1-M20X1.5
100	100	160	140	63	28	60	8	24	M10	12x16	196	252	205	386	1-M20X1.5
112	112	190	140	70	28	60	8	24	M10	12x16	220	292	230	395	2-M25X1.5
132/S	132	216	140	89	38	80	10	33	M12	12x16	252	330	270	436	2-M25X1.5
132M/L	132	216	178	89	38	80	10	33	M12	12x16	252	325	270	475/500	2-M25X1.5
160M	160	254	210	108	42	110	12	37	M16	15x19	335	390	320	640	2-M32X1.5
160L	160	254	254	108	42	110	12	37	M16	15x19	335	390	320	640	2-M32X1.5

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 intensity (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 intensity (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 intensity (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	Power (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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