



Low profile in-line mixed flow duct explosion proof fans. TD-800 Ex is manufactured in antistatic plastic material. The others models are manufactured from sheet steel protected with black polyester paint coating. Detachable fan unit without demounting duct connections.

ATEX

Explosion proof versions in accordance with ATEX Directive, for single phase 230V-50Hz. Motors IP44, Class B. For ambient working temperatures from -20°C to +40°C.

- ATEX Increased safety - Gas

For model 800:

⊕ II 2G Ex eb IIB T3 Gb

EC: LOM 08 ATEX 2052 X Supplement 2.

For models 1100 and 1200:

⊕ II 2G Ex eb IIB T3 Gb

EC: LOM 11 ATEX 2021 X Supplement 1.

See data for selection, or refer to Easyvent.



Mixed flow impeller
Efficient performance mixed flow impeller.



External terminal box and ATEX capacitor, External terminal box, IP55, easy access, fireproof plastic V0.



Earth connection.

Specific applications



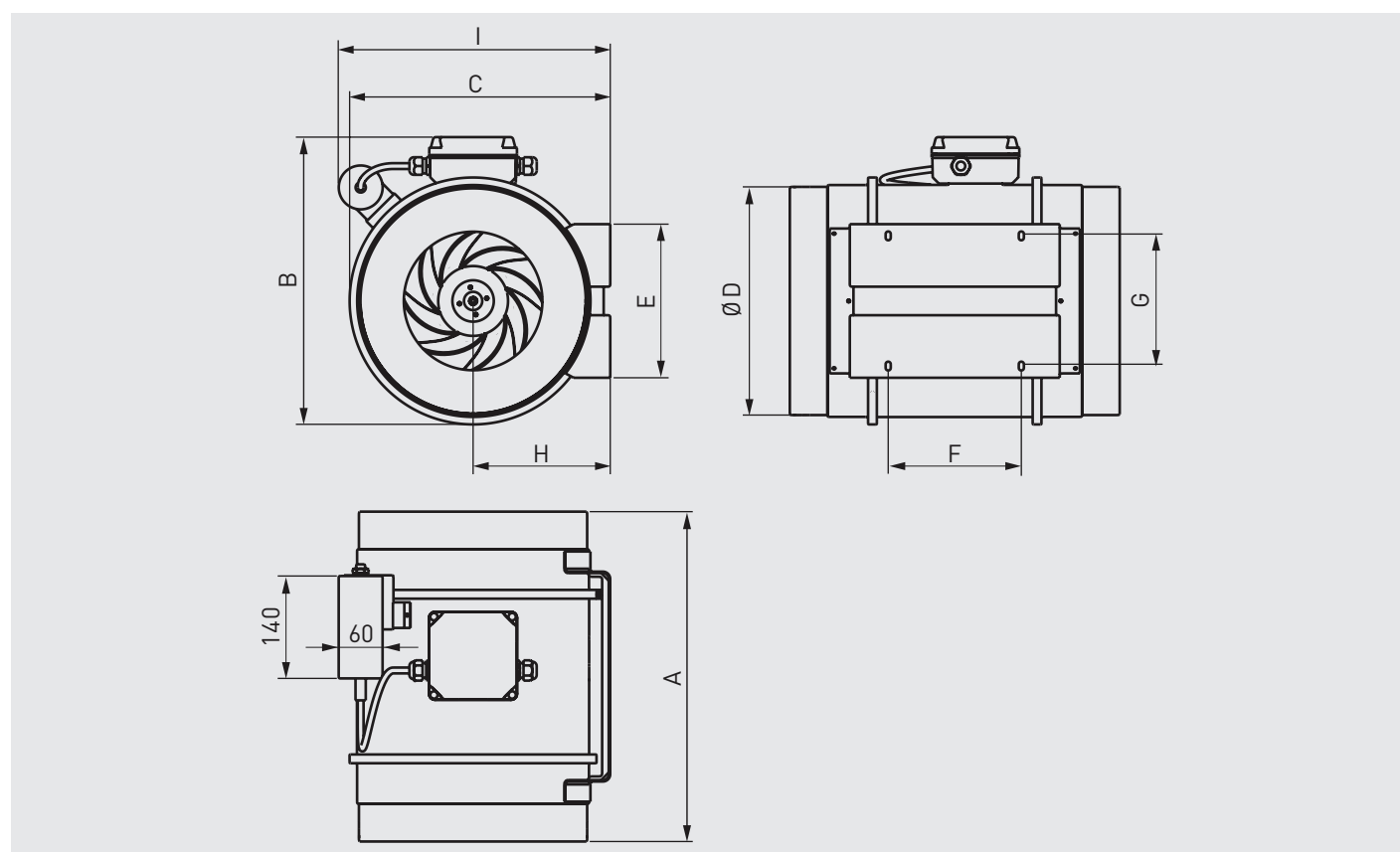
TECHNICAL CHARACTERISTICS

Model	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A)	Airflow at free discharge (m³/h)	Operating temperature (°C)	Sound pressure level* (dB(A))			Ø Duct (mm)	Weight (kg)	Wiring diagram** (n°)
						Inlet	Radiated	Outlet			
TD-800/200 ATEX	2450	120	0,50	1.020	-20/+40	53	43	55	200	5	38
TD-1100/250 ATEX	2630	197	0,81	1.130	-20/+40	59	46	65	250	20	38
TD-1200/315 ATEX	2600	170	0,71	1.320	-20/+40	56	44	59	315	25	38

* Radiated sound pressure level measured at 3 m in free field conditions with rigid ducts at the inlet and at the outlet, at point "B" of the curve.

** See section of Wiring Diagrams.

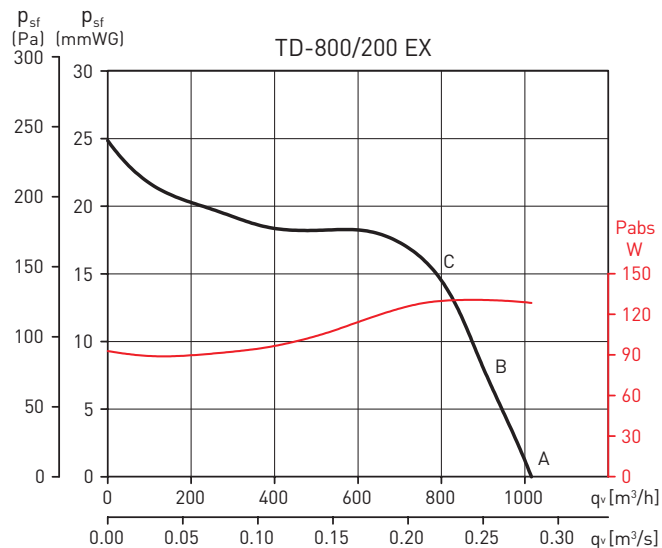
DIMENSIONS (mm)



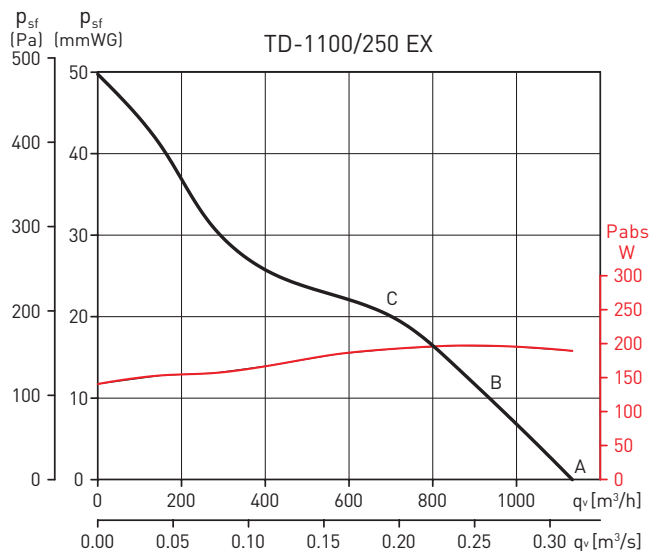
Model	A	B	C	Ø D	E	F	G	H	I
TD-800/200 ATEX	302	255	232,5	198	140	100	94	124	228,4
TD-1100/250 ATEX	386	324	291	248	168	145	140	155	339
TD-1200/315 ATEX	450	392	356	312	210	182	178	188	371

PERFORMANCE CURVES

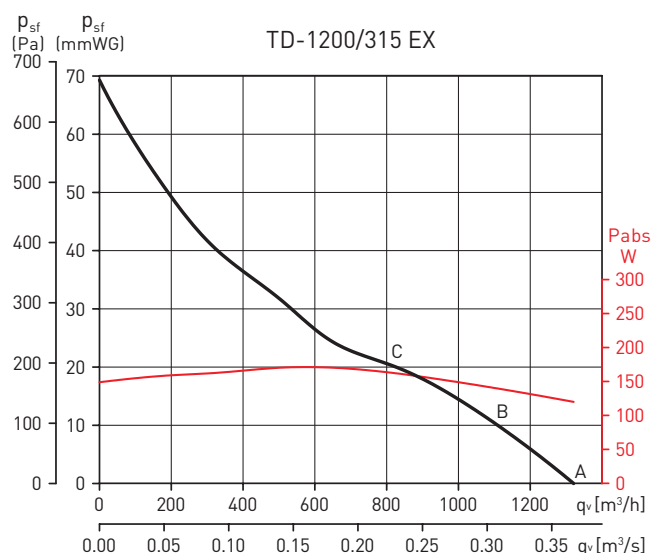
- q_v : Airflow in m^3/h and m^3/s .
- p_{st} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.



TD-800/200 EX		63	125	250	500	1000	2000	4000	8000	LwA
Inlet	A	27	43	53	61	69	69	65	56	73
	B	29	43	55	62	69	70	66	56	74
	C	39	49	69	71	74	70	63	55	78
Outlet	A	50	50	53	64	69	71	66	56	74
	B	44	45	54	66	70	71	67	57	75
	C	39	48	68	72	75	71	64	55	78
Radiated	A	7	38	37	44	58	61	52	39	63
	B	9	38	39	45	58	62	53	39	64
	C	19	44	53	54	63	62	50	38	66



TD-1100/250 EX		63	125	250	500	1000	2000	4000	8000	LwA
Inlet	A	40	57	69	75	73	76	66	59	80
	B	40	58	70	75	72	74	65	57	79
	C	40	62	74	73	69	71	62	54	78
Outlet	A	54	55	70	80	82	81	72	62	86
	B	48	53	70	80	81	79	70	61	85
	C	41	56	72	80	78	76	68	58	84
Radiated	A	32	37	45	53	63	65	55	49	68
	B	32	38	46	53	62	63	54	47	66
	C	32	42	50	51	59	60	51	44	63



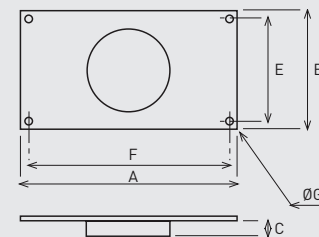
TD-1200/315 EX		63	125	250	500	1000	2000	4000	8000	LwA
Inlet	A	32	55	67	69	71	69	64	59	76
	B	34	58	70	70	71	69	64	59	76
	C	39	63	73	72	73	70	65	58	79
Outlet	A	47	55	67	72	74	72	67	62	78
	B	42	57	71	73	74	72	67	61	79
	C	39	60	74	75	75	74	68	60	81
Radiated	A	20	37	49	55	61	60	51	48	65
	B	22	40	52	56	61	60	51	48	65
	C	27	45	55	58	63	61	52	47	66

MOUNTING ACCESSORIES



MAR
Rectangular duct adapters.

Model	Type of TD-ATEX	Nominal dim. of ducting L x H (mm)
MAR - 800	800/200	315 x 200
MAR - 1000	1100/250	400 x 250
MAR - 2000	1200/315	500 x 315



Model	A	B	C	E	F	ØG
MAR - 800	355	240	37	220	335	9
MAR - 1000	440	290	42	270	420	9
MAR - 2000	540	355	52	355	520	9

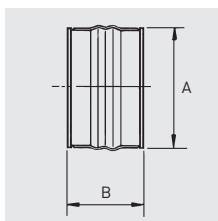


MRJ
Grilles mounted at the inlet or outlet of the fan, to prevent the entry of any foreign objects that could damage the fan.

Model	Type of TD-ATEX
MRJ - 800	800/200
MRJ - 1000	1100/250
MRJ - 2000	1200/315

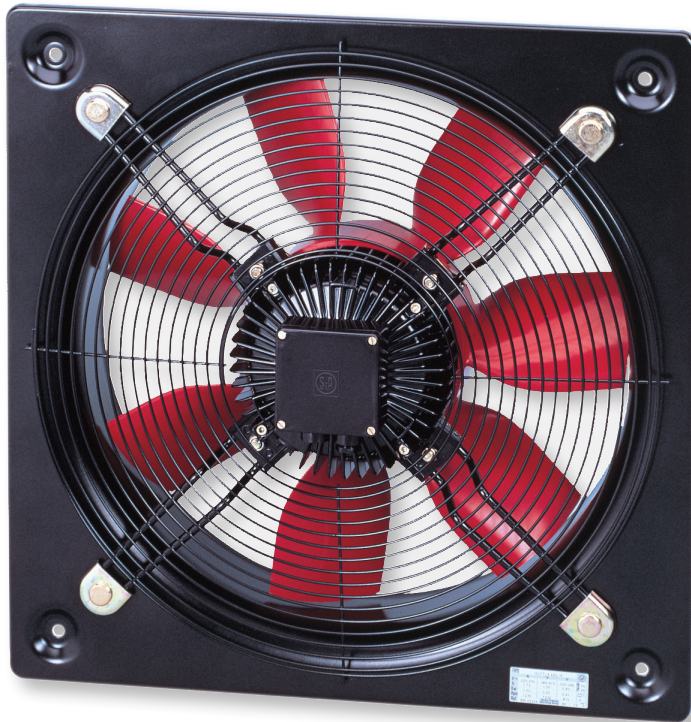


ACOPEL EX
Proof explosion flexible connection.



Model fan	Model connection	ØA	B
TD-800/200 EX	ACOPEL EX-200/160 N	200	160
TD-1100/250 EX	ACOPEL EX-250/160 N	250	160
TD-1200/315 EX	ACOPEL EX-315/160 N	315	160

For more information see Mounting accessories.



Range of low profile plate mounted axial fans fitted with aluminium impellers and single phase motor (HCBB) or three phase motor (HCBT), IP65 (1), Class F insulation (2), equipped with thermal protection (3).

- (1) Models 800, 900 and 1000 are IP55.
 (2) Working temperatures from -40°C up to +70°C.
 Except models 4-710 suitable up to +55°C
 and models Ø 800, 900 and 1000 suitable
 for usage in environments from -20°C to +40°C.
 (3) Except models Ø 800 to 1000.

Motors

Available, depending upon the model, with single or three phase motors in 4 or 6 poles. All motors are speed controllable by autotransformer except models /4-630, B/710, T/4-710, T/800, T/900 and T/1000. Three phase models are speed controllable by inverter.

Electrical supplies:

- Single phase 220-240V-50Hz.
 (Capacitor located inside the wiring terminal box).
 Three phase 220-240/380-415V-50Hz or 380-415V-50Hz.
 (See characteristic chart).

Additional information

Standard air direction: form (A) configuration. (Motor over Impeller).

On request

Inlet finger proof guard for models Ø 800 to 1000.

ATEX Versions HCBT

On request, explosion proof versions in accordance with ATEX Directive, for three phase models.

- Motors IP55, Class F
- ATEX Flameproof-Gas
 In standard ATEX version flameproof motors are without thermal protection.
 If used with frequency inverter, flameproof motors with a PTC-type thermal protection must be specified at order.
 For models 800 to 1000mm
 Ⓜ II 2G Ex d IIB T4
 Ⓜ II 2G Ex d IIB+H2 T4 (with Ex d IIC T4)
- ATEX Increased safety-Gas
 Except models HCBT/ 4-250, HCBT/ 6-355, HCBT/ 6-400
 Available model HCBT/ 6-400 with 230/400 V motor
 Available models to HCBT-1000
 Ⓜ II 2G Ex e II T3
- ATEX Dust
 In standard ATEX version, ATEX motors for dust are without thermal protection.
 If used with frequency inverter, ATEX motors for dust with a PTC-type thermal protection must be specified at order.
 For models 800 to 1000mm
 Suspended flammable particles and non-conductive dust:
 Ⓜ II 3D Ex tc IIB T125°C
 Conductive dust:
 Ⓜ II 3D Ex tc IIC T125°C (with IP65 motor)

Working temperatures for ATEX versions:

- 20°C to +55°C
 models HCBT/4-315 to HCBT/4-710
 models HCBT/6-450 to HCBT 6-710
- 20°C to +40°C
 model HCBT/4-800 to 1000
 model HCBT/6-800 to 1000

To select HCBT ATEX refer to Easyvent.

Note electrical data may vary for ATEX motors.

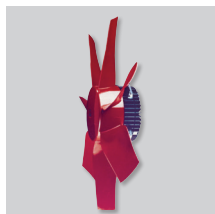
Specific applications



Versions

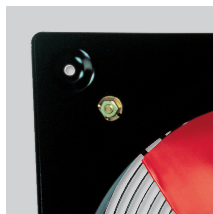


PROTECTION



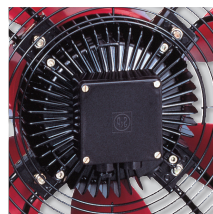
Compact design

Compact design created by the combination of the motor with the factory matched direct drive wrap around impeller hub.



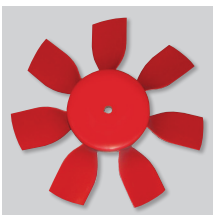
Corrosion resistance

Mounting plate, motor support and finger proof guard protected by cataforesis primer and black polyester paint finish. Stainless steel screws.



Terminal box

Wiring terminal box with cable gland PG-11.



Impeller dynamically balanced

Impellers are dynamically balanced, according to ISO 1940 standard, giving vibration free operation.



Manufacturing variations

Multiple manufacturing variations, depending on the type of installation and use conditions.



Configuration for models Ø 800 to 1000

Special design of motor over impeller, which provides compactness and tightness IP55.

TECHNICAL CHARACTERISTICS WITH ALUMINIUM IMPELLERS

Before making any electrical connection ensure that the voltage and frequency of the mains electrical supply matches that of the fan data plate label.

Model	Speed (r.p.m.)	Diameter (mm)	Maximum absorbed power (W)	Maximum current (A)		Sound pressure level* (dB(A))	Maximum airflow (m³/h)	Weight (kg)	Speed controller		Inverter control	
				230 V	400 V				REB	RMT**	VFTM**	VFKB**
SINGLE PHASE 4 POLE												
HCBB/4-250/H	1325	250	84	0,4	–	49	1.130	5	REB-1	–	–	–
HCBB/4-315/H	1235	315	124	0,7	–	55	2.220	7	REB-1	–	–	–
HCBB/4-355/H	1385	355	193	0,9	–	59	3.590	8	REB-2,5	–	–	–
HCBB/4-400/H	1360	400	315	1,5	–	62	4.830	9	REB-2,5	–	–	–
HCBB/4-450/H	1410	450	626	2,8	–	65	7.180	13	REB-5	–	–	–
HCBB/4-500/H	1370	500	762	3,3	–	68	8.850	16	REB-5	–	–	–
HCBB/4-560/H	1390	560	1433	6,5	–	70	13.400	22	REB-10	–	–	–
HCBB/4-630/H	1360	630	1879	8,3	–	71	16.720	25	–	–	–	–
SINGLE PHASE 6 POLE												
HCBB/6-355/H	900	355	84	0,4	–	48	2.230	8	REB-1	–	–	–
HCBB/6-400/H	845	400	112	0,5	–	51	3.010	9	REB-1	–	–	–
HCBB/6-450/H	935	450	191	0,8	–	54	4.400	13	REB-2,5	–	–	–
HCBB/6-500/H	915	500	244	1,1	–	57	5.620	16	REB-2,5	–	–	–
HCBB/6-560/H	930	560	449	1,9	–	59	8.950	22	REB-2,5	–	–	–
HCBB/6-630/H	915	630	588	2,9	–	62	10.950	25	REB-5	–	–	–
THREE PHASE 4 POLE												
HCBT/4-250/H	1330	250	81	0,3	0,2	49	1.120	5	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/4-315/H	1330	315	125	0,5	0,3	55	2.380	7	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/4-355/H	1380	355	181	0,8	0,5	59	3.530	8	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/4-400/H	1340	400	283	1,2	0,7	62	5.020	9	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/4-450/H	1350	450	547	1,7	1,0	65	6.800	13	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/4-500/H	1390	500	809	2,7	1,6	68	9.140	16	–	RMT-2,5	VFTM-Tri 0,55	VFKB-45
HCBT/4-560/H	1390	560	1287	4,0	2,3	70	12.950	22	–	RMT-2,5	VFTM-Tri 0,75	VFKB-45
HCBT/4-630/H	1385	630	1736	5,4	3,1	73	16.840	25	–	–	VFTM-Tri 1,1	VFKB-45
HCBT/4-710/H	1350	710	2554	7,6	4,4	74	22.400	27	–	–	VFTM-Tri 2,2	VFKB-45
HCBT/4-800/L-X-1,5	1410	800	2632	7,3	4,2	78	23.290	37	–	–	VFTM-Tri 1,5	VFKB-45
HCBT/4-800/H-X-3	1440	800	4595	12,8	7,4	84	33.100	52	–	–	VFTM-Tri 4	VFKB-48
HCBT/4-900/L-X-3	1450	900	3909	12,0	6,9	82	34.270	62	–	–	VFTM-Tri 3	VFKB-48
HCBT/4-900/H-X-5,5	1455	900	7893		13,4	87	46.270	96	–	–	VFTM-Tri 5,5	–
HCBT/4-1000/L-X-3	1415	1000	5048	14,2	8,2	86	39.910	67	–	–	VFTM-Tri 4	VFKB-48
HCBT/4-1000/H-X-7,5	1470	1000	8675		14,6	93	53.700	101	–	–	VFTM-Tri 7,5	–
THREE PHASE 6 POLE												
HCBT/6-355/H	900	355	91	0,3	0,2	48	2.270	8	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/6-400/H	840	400	120	0,5	0,3	51	3.050	9	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/6-450/H	925	450	198	0,9	0,5	54	4.620	13	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/6-500/H	905	500	282	1,1	0,6	57	6.190	16	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/6-560/H	895	560	401	1,4	0,8	59	8.650	22	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/6-630/H	910	630	596	2,3	1,3	62	10.950	25	–	RMT-1,5	VFTM-Tri 0,37	VFKB-45
HCBT/6-710/H	950	710	953	4,7	2,7	65	15.350	27	–	RMT-5	VFTM-Tri 1,5	VFKB-45
HCBT/6-800/L-X-0,55	940	800	1025	3,3	1,9	73	17.600	31	–	–	VFTM-Tri 0,75	VFKB-45
HCBT/6-800/H-X-0,75	935	800	1309	4,2	2,4	75	20.630	36	–	–	VFTM-Tri 1,1	VFKB-45
HCBT/6-900/L-X-1,1	960	900	1341	4,8	2,8	74	23.700	54	–	–	VFTM-Tri 1,5	VFKB-45
HCBT/6-900/H-X-1,5	955	900	2289	7,3	4,2	78	32.300	57	–	–	VFTM-Tri 1,5	VFKB-45
HCBT/6-1000/L-X-1,1	940	1000	1855	5,9	3,4	79	28.810	56	–	–	VFTM-Tri 1,5	VFKB-45
HCBT/6-1000/H-X-1,5	940	1000	2392	7,7	4,4	83	34.300	60	–	–	VFTM-Tri 2,2	VFKB-45

* Sound pressure level measured in free field conditions at a distance equivalent to three times the diameter of the impeller with a minimum of 1,5 meters.

** Three phase speed controllers (RMT) or inverter control (VFKB/VFTM): three phase 400V.

REFERENCE

H	C	F	T	/	4	-	4	0	0	/	H	A				8	9
1	2	3	4		5		6				7						

- 1 - H:** Compact plate axial fan.
2 - C: Series designation.
3 - Impeller type:
F: Ø 250-Ø 630 Fixed blade plastic impeller.
G: Ø 710 - Ø 1000 Aluminium impeller hub + adjustable plastic blade impellers.
G: Adjustable plastic blade impellers.
B: Ø 250-Ø 400 Fixed blade aluminium impeller Ø 450 - Ø 1000 Adjustable blade aluminium impeller.
4 - Electrical supply:
B: Single phase.
T: Three phase.
5 - Number of poles:
2: (approx. 2900 rpm - 50 Hz)
4: (approx. 1400 rpm - 50 Hz)
6: (approx. 900 rpm - 50 Hz)
6 - Nominal diameter of impeller (mm).
7 - Pitch angle.
H: High.
I, L: Low.
8 - Direction of air:
A: Motor over impeller.
9 - Special construction:
X: Motor support without inlet finger guard.
L: Weatherproof protected.
C: Condensation drain holes on motor.
EX: Explosion proof versions in accordance to ATEX Directive, for three phase models:
- EXE: Increased safety Ex II2G EExIIIT3
- EXD: Flame proof, only for models 800 and 1000 Ex II2G EExdIIBT5 or EExdIICT4
G: Special corrosion treatment for agricultural applications.
TF: With anticorrosive Teflon paint finish.

SUPPLY VOLTAGES AND FREQUENCIES



Mains supply voltage	Motor type	Connection	Speed
SINGLE PHASE 220V 50Hz, 240V 50Hz	230V 50Hz	See wiring diagram	High
THREE PHASE 220V 50Hz 240V 50Hz	230/400V 50Hz	Δ	High
		Y	Low*
THREE PHASE 380V 50Hz 415V 50Hz	230/400V 50Hz	Y	High
	400V 50Hz	Δ	High
		Y	Low*

* From sizes 450 up to 630 mm diameter.

ACOUSTIC CHARACTERISTICS

The sound levels shown in the technical characteristic chart and performance curves, correspond to the value of sound pressure dB(A), measured in free field conditions at a distance equivalent to three times the diameter of the impeller with a minimum of 1.5 meters.

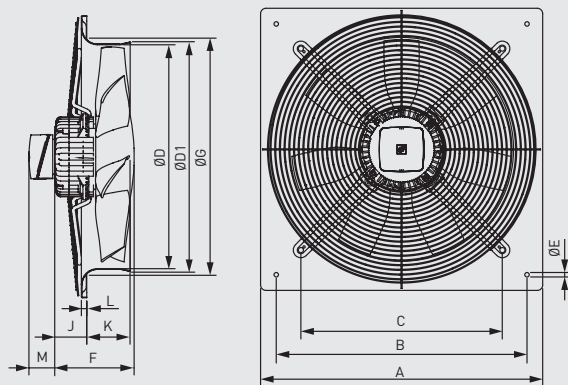
Sound power level spectrum in dB(A) at the corresponding frequency band in Hz and the point of maximum flow.

Model	63	125	250	500	1000	2000	4000	8000	LwA
HCGB/2-315	50	61	68	70	72	69	64	58	77
HCGT/2-315	55	66	73	75	77	74	69	63	82
HCGB/2-355	55	66	73	75	77	74	69	63	82
HCGT/2-355	55	70	69	77	82	78	73	66	85

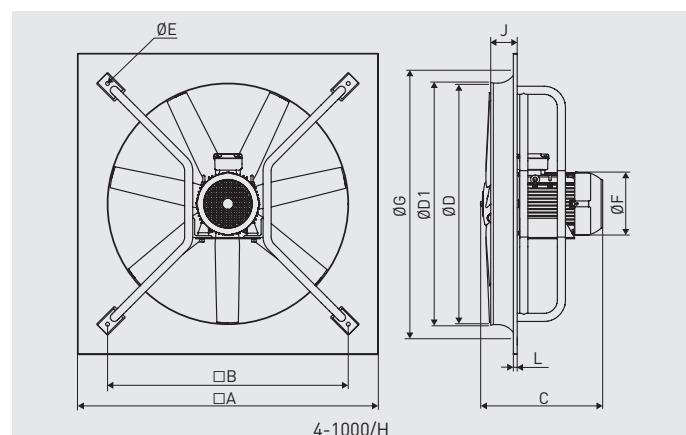
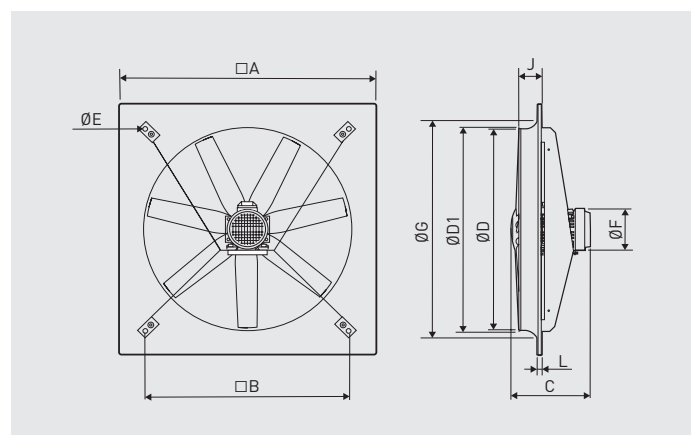
Model	63	125	250	500	1000	2000	4000	8000	LwA
/4-250/H	31	45	52	57	58	57	52	44	63
/4-315/H	42	53	60	62	64	61	56	50	69
/4-355/H	43	58	57	65	70	66	61	54	73
/4-400/H	48	61	62	68	73	69	66	57	76
/4-450/H	46	65	62	68	75	74	69	62	79
/4-500/H	49	68	68	74	78	76	72	65	82
/4-560/H	57	70	74	78	80	78	74	67	85
/4-630/H	57	72	76	81	85	82	79	72	89
/4-710/H	58	75	83	85	87	85	81	72	92
/4-800/L	58	77	87	93	93	89	83	76	97
/4-800/H	64	83	93	99	99	95	89	82	103
/4-900/L	59	81	91	97	98	94	88	80	102
/4-900/H	64	86	96	102	103	99	93	85	107
/4-1000/L	62	85	95	101	102	98	93	84	106
/4-1000/H	69	92	102	107	109	105	100	90	113

Model	63	125	250	500	1000	2000	4000	8000	LwA
/6-315/H	32	43	50	52	54	51	46	40	59
/6-355/H	32	47	46	54	59	55	50	43	62
/6-400/H	37	50	51	57	62	58	55	46	65
/6-450/H	35	54	51	57	64	63	58	51	68
/6-500/H	38	57	57	63	67	65	61	54	71
/6-560/H	46	59	63	67	69	67	63	56	74
/6-630/H	46	61	65	70	74	71	68	61	78
/6-710/H	49	66	74	76	78	76	72	63	83
/6-800/L	52	71	81	87	87	83	77	70	91
/6-800/H	54	73	83	89	89	85	79	72	93
/6-900/L	51	73	83	89	90	86	80	72	94
/6-900/H	55	77	87	93	94	90	84	76	98
/6-1000/L	56	78	89	94	96	92	86	77	100
/6-1000/H	60	83	93	99	100	96	91	82	104

DIMENSIONS (mm)

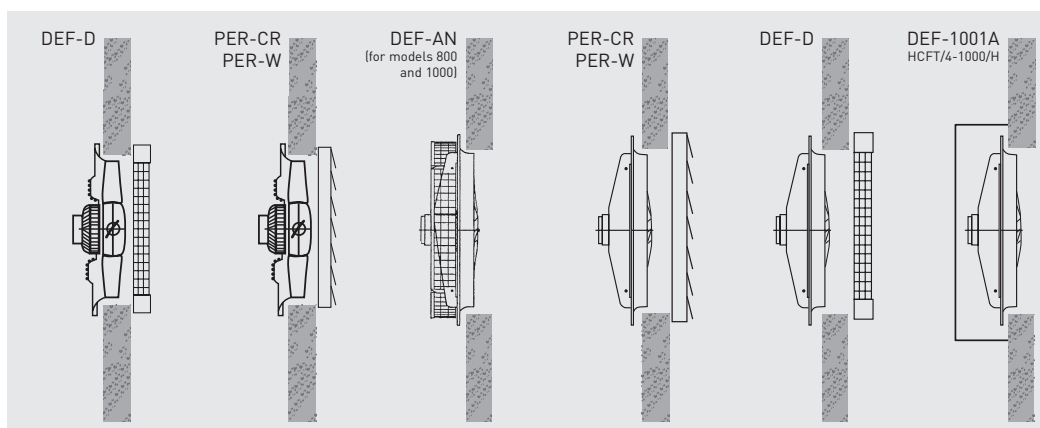
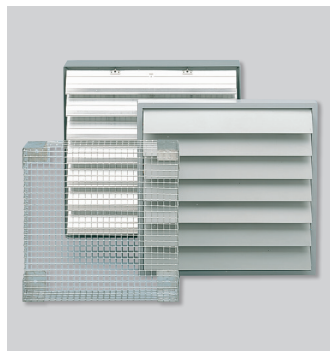


Model				Ø D	Ø D1	Ø E	F			Ø G	J			K	L	M	
	A	B	C				Number of poles				Number of poles					Three phase	Single phase
							/2	/4	/6		/2	/4	/6				
250	315	260	220	254	261	10		122		294		59		53	12	60	65
315	400	330	280	315	320	10	129	122	122	329	45	32	32	68	12	60	65
355	450	380	315	355	363	10	129	129	129	371	45	45	45	75	12	60	65
400	500	420	355	400	410	10		129	129	422		40,5	40,5	78	12	60	65
450	560	480	400	450	457	10		150	150	476		48	48	91	12	60	65
500	630	560	450	500	512	10		150	150	536		44,5	44,5	97	12	60	65
560	710	630	510	560	570	10		218,5	150	596		110,5	42	98,5	12	60	65
630	800	710	580	630	640	12		218,5	150	674		110,5	41	103	12	60	65
710	900	800	636	710	720	12		220	218.5	733		114	134	91.5	16.5	60	65



Modelo	A	B	Ø D	Ø D1	Ø E	J	Ø G	C				Ø F			
								/4		/6		/4		/6	
								L	H	L	H	L	H	L	H
800	1000	800	800	810	18	92	926	363	442	318	363	180	200	160	180
900	1120	900	900	910	18	120	1060	442	512	400	400	200	280	200	200
1000	1250	1000	1000	1010	18	110	1154	442	-	345	400	200	-	200	200
4-1000/H	1250	1000	1000	1010	16	110	1154	-	512	-	-	-	280	-	-

MOUNTING ACCESSORIES



Model HCFB/HCFT HCBB/HCBT	Wire Protection Guards		Exhaust Side Louvre Shutters		
	Outlet	Inlet	Plastic	Aluminium	ATEX version*
250	DEF-250 D	-	PER-250 W	PER-250 CR	PER-315 Ex
315	DEF-325 D	-	PER-355 W	PER-355 CR	PER-315 Ex
355	DEF-375 D	-	PER-355 W	PER-355 CR	PER-355 Ex
400	DEF-450 D	-	PER-400 W	PER-400 CR	PER-400 Ex
450	DEF-450 D	-	PER-450 W	PER-450 CR	PER-450 Ex
500	DEF-525 D	-	PER-500 W	PER-500 CR	PER-500 Ex
560	DEF-630 D	-	PER-560 W	PER-630 CR	PER-560 Ex
630	DEF-630 D	-	PER-630 W	PER-630 CR	PER-630 Ex
710	DEF-800 D	-	PER-710 W	PER-710 CR	PER-710 Ex
800	DEF-800 D	DEF-800 AN	PER-800 W	PER-800 CR	-
/4-900/H	DEF-1000 D	DEF-900 AN	PER-1000 W	PER-1000 CR	-
/4-900/L	DEF-1000 D	DEF-901 AN	PER-1000 W	PER-1000 CR	-
/6-900	DEF-1000 D	DEF-901 AN	PER-1000 W	PER-1000 CR	-
1000	DEF-1000 D	DEF-1000 AN	PER-1000 W	PER-1000 CR	-
/4-1000 / H	DEF-1000 D	DEF-1001 AN	PER-1000 W	PER-1000 CR	-

* Three phase speed controllers (RMT) or inverter control (VFKB/VFTM): three phase 400V.

ELECTRICAL ACCESSORIES



REB-1N / REB-2,5N

Single phase electronic speed controllers.



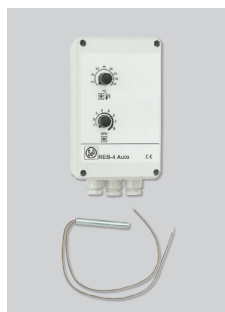
REB-5 REB-10

Single phase electronic speed controllers.



RMT

Three phase auto transformer speed controllers.



REB-4 Auto

Electronic single phase speed controllers with temperature sensor. For agricultural applications.



VFTM TRI IP54

Adjustable frequency drive for three phase motors from 0,37 to 15 kW. 230 V or 400 V.



VFKB IP65

Adjustable frequency drives for three phase motors from 0,37 to 4 kW 230 V or 400 V.

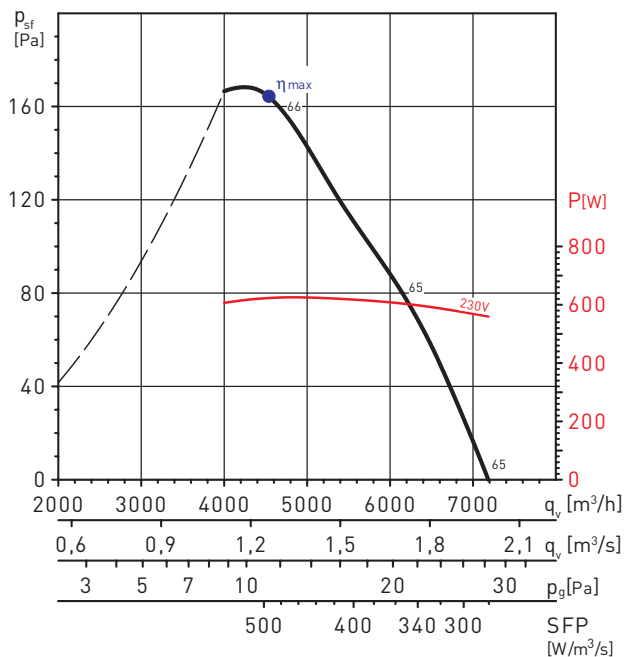


COM D/S

To connect three phase fans with 400 V motor. For three phase models.

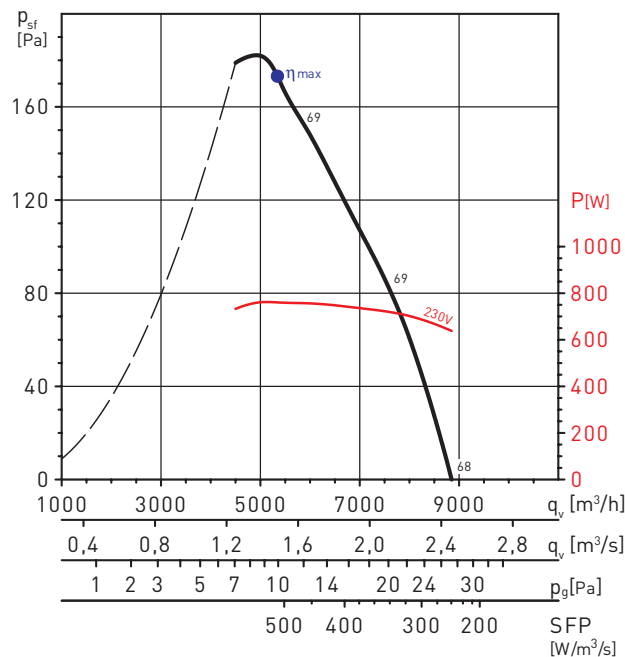
PERFORMANCE CURVES - 4 POLE MOTORS

HCBB/4-450/H



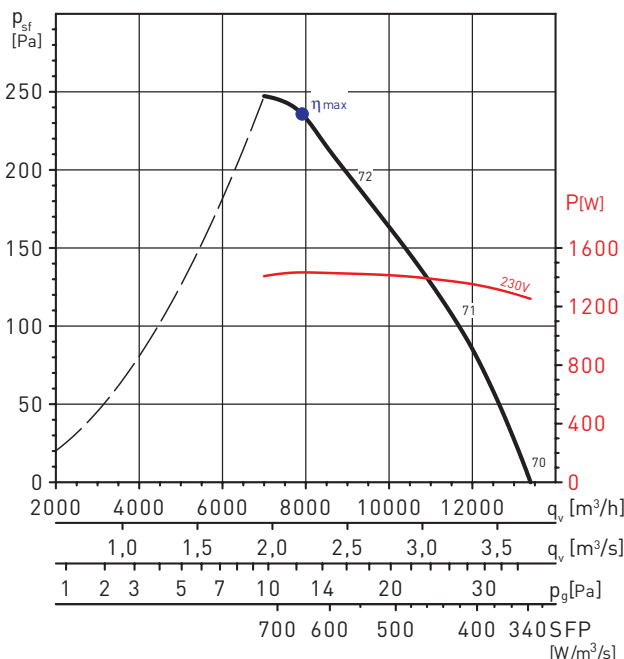
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	33,2	40,8	0,623	4538	164	1390

HCBB/4-500/H



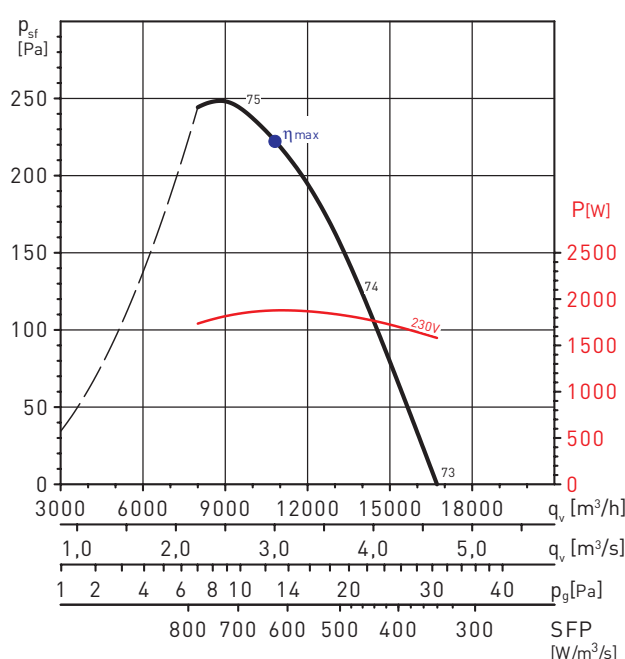
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	33,6	40,7	0,760	5336	172	1322

HCBB/4-560/H



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	36,0	41,3	1,433	7896	235	1367

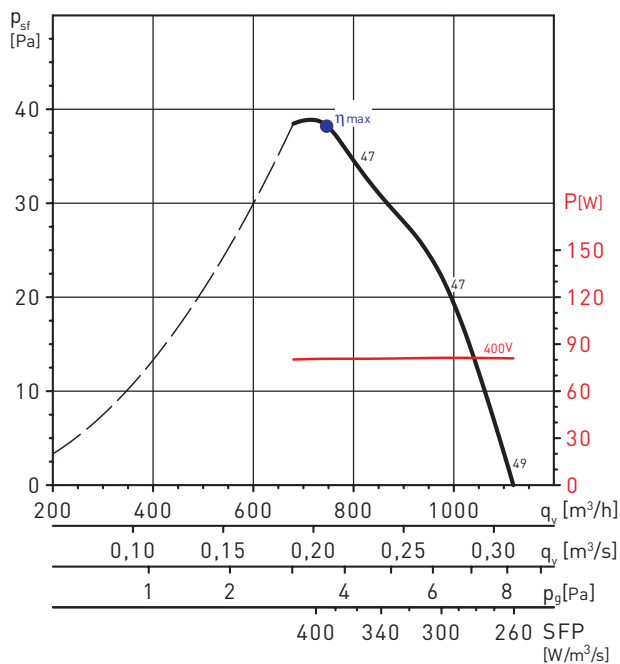
HCBB/4-630/H



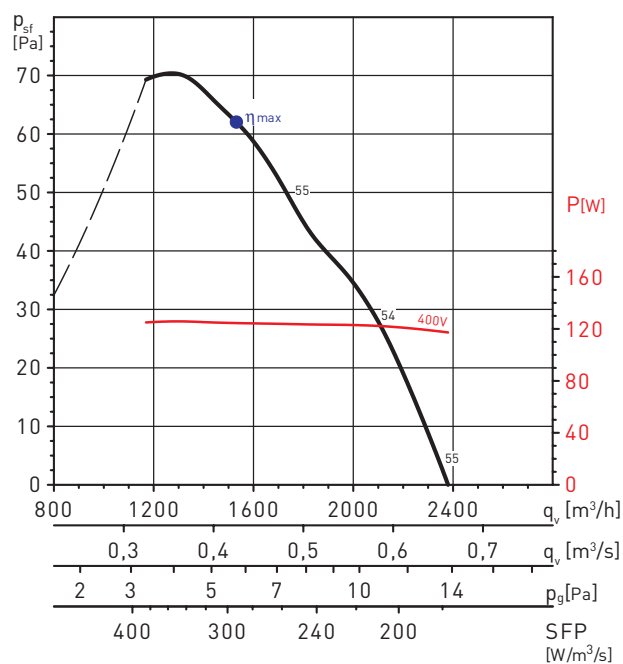
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	35,6	40,2	1,878	10817	223	1305

PERFORMANCE CURVES - 4 POLE MOTORS

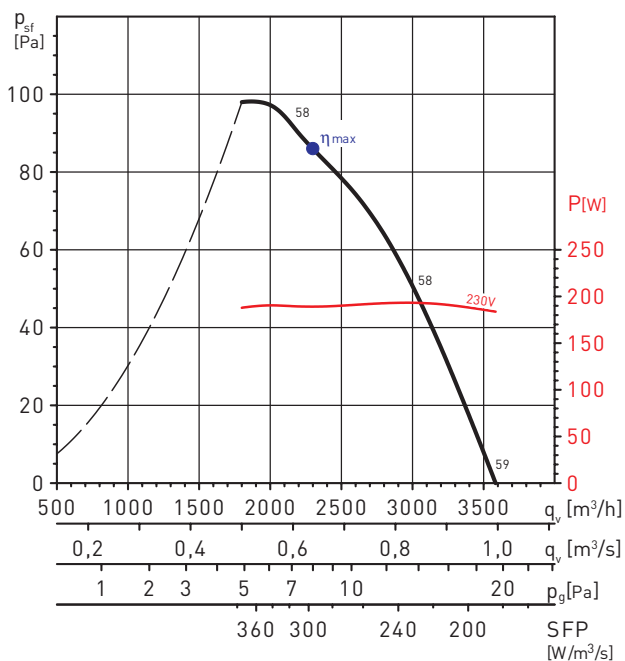
HCBT/4-250/H



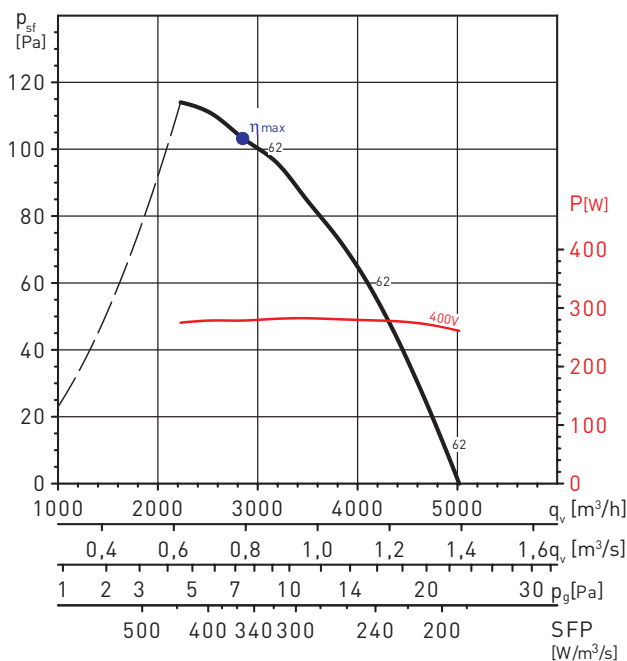
HCBT/4-315/H



HCBT/4-355/H



HCBT/4-400/H

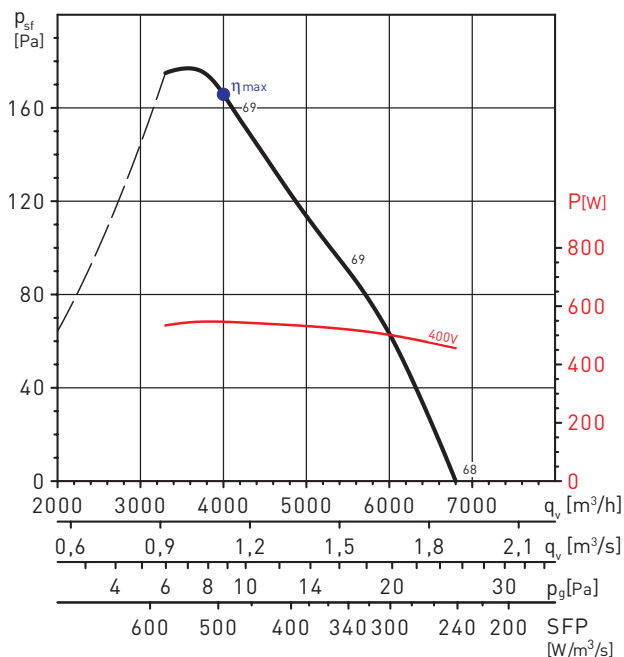


MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	29,0	40,0	0,179	2163	86	1372

MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	30,2	40,0	0,281	3127	98	1332

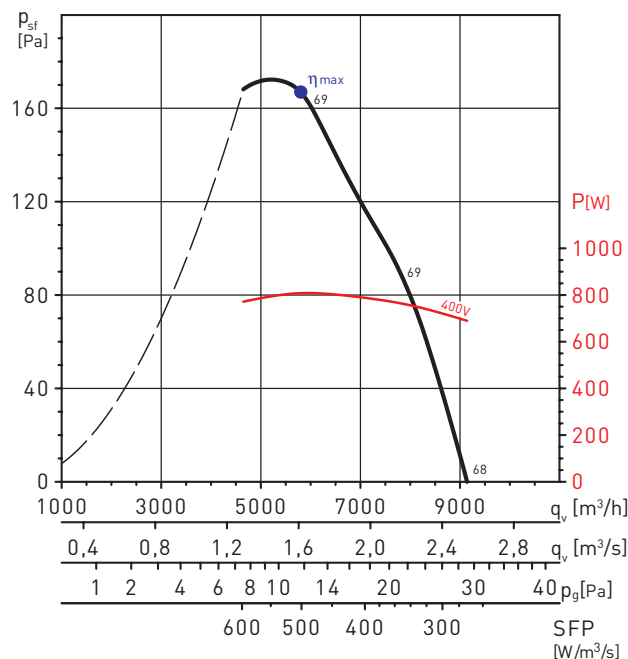
PERFORMANCE CURVES - 4 POLE MOTORS

HCBT/4-450/H



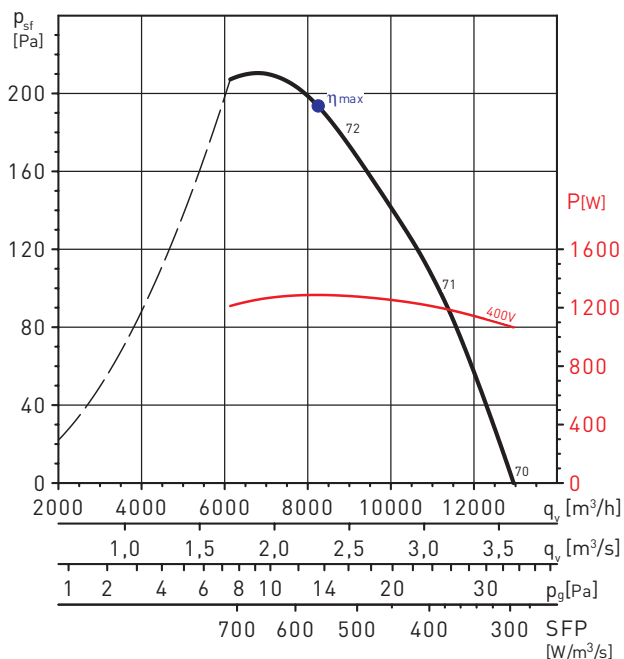
MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	33,6	41,3	0,605	4179	175	1391

HCBT/4-500/H



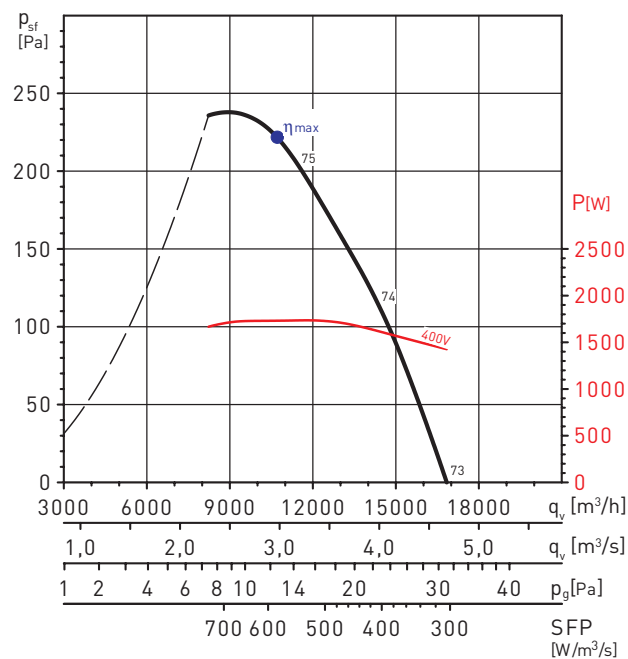
MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	33,1	40,0	0,808	5793	167	1357

HCBT/4-560/H



MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	34,4	40,0	1,287	8244	194	1349

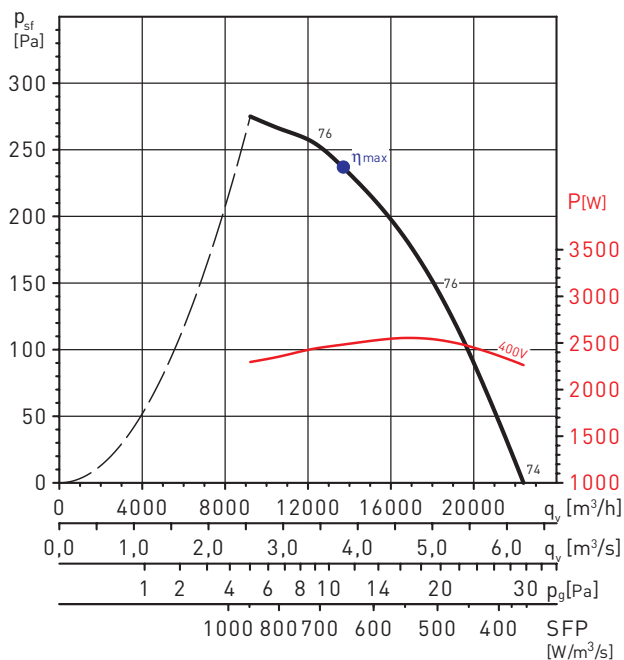
HCBT/4-630/H



MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	38,1	42,9	1,731	10708	222	1355

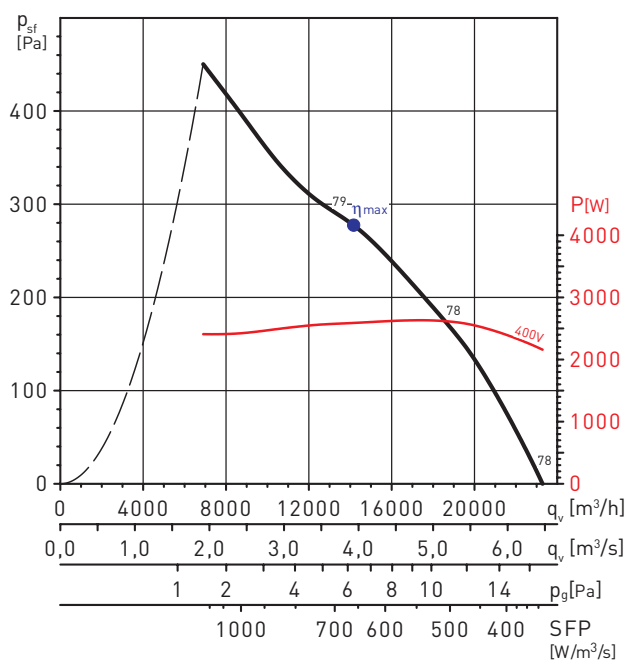
PERFORMANCE CURVES - 4 POLE MOTORS

HCBT/4-710/H



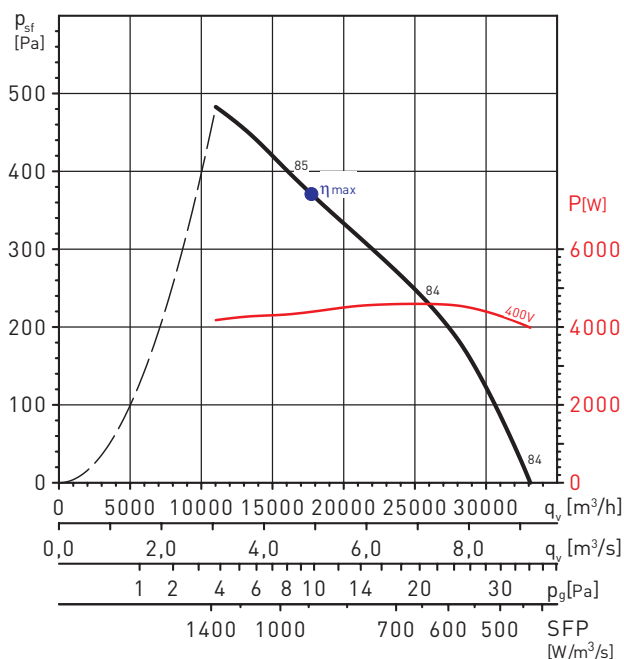
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	36,3	40,1	2,483	13700	237	1326

HCBT/4-800/L



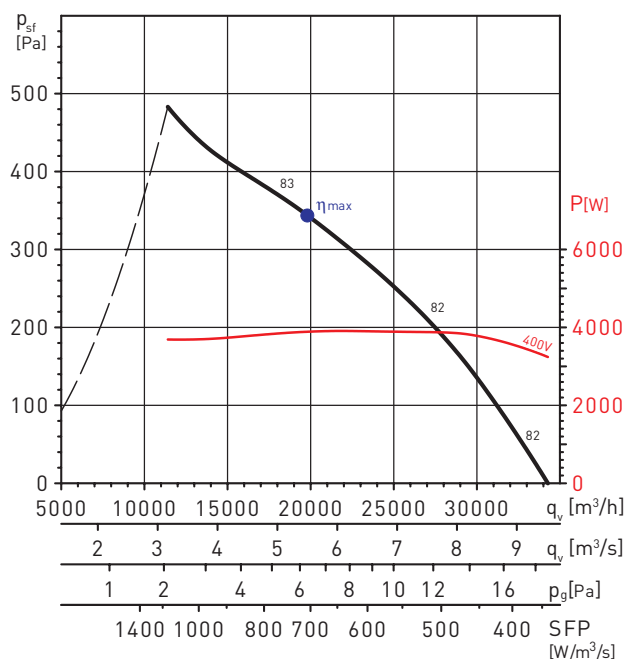
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	42,2	45,9	2,589	14152	278	1376

HCBT/4-800/H



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	41,7	44,0	4,389	17734	371	1431

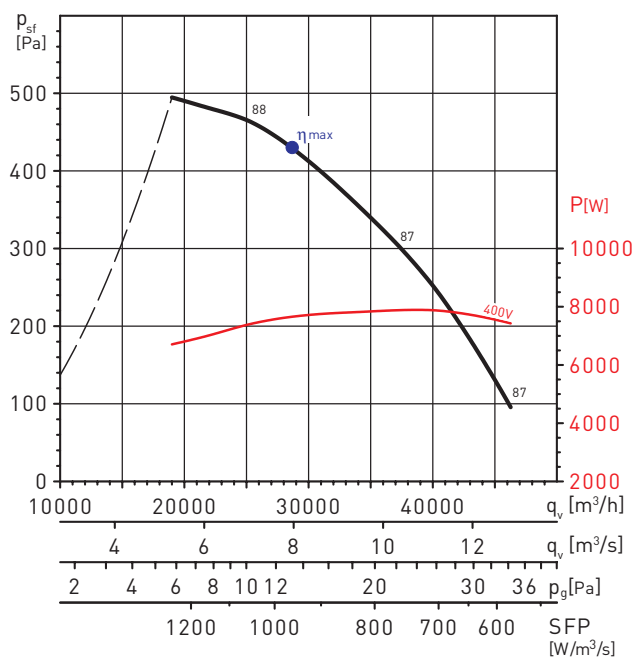
HCBT/4-900/L



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	48,6	51,2	3,889	19789	344	1436

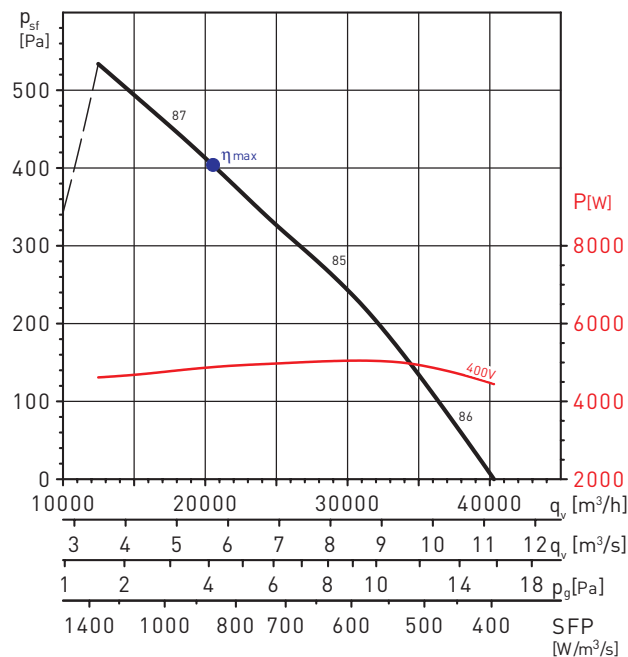
PERFORMANCE CURVES - 4 POLE MOTORS

HCBT/4-900/H



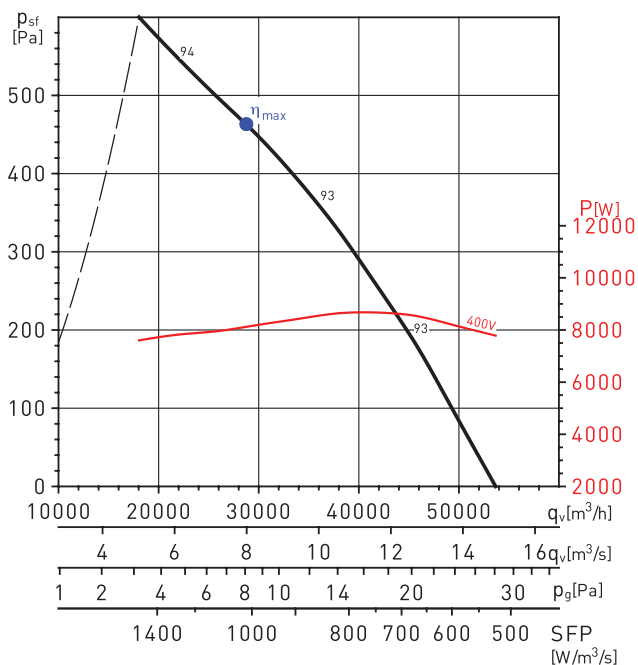
MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	44,7	45,5	7,657	28654	430	1446

HCBT/4-1000/L



MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	47,2	49,2	4,883	20544	404	1402

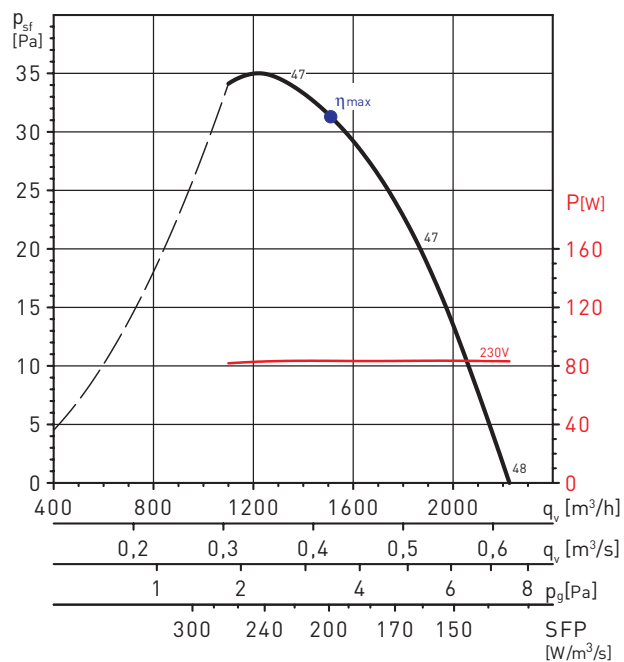
HCBT/4-1000/H



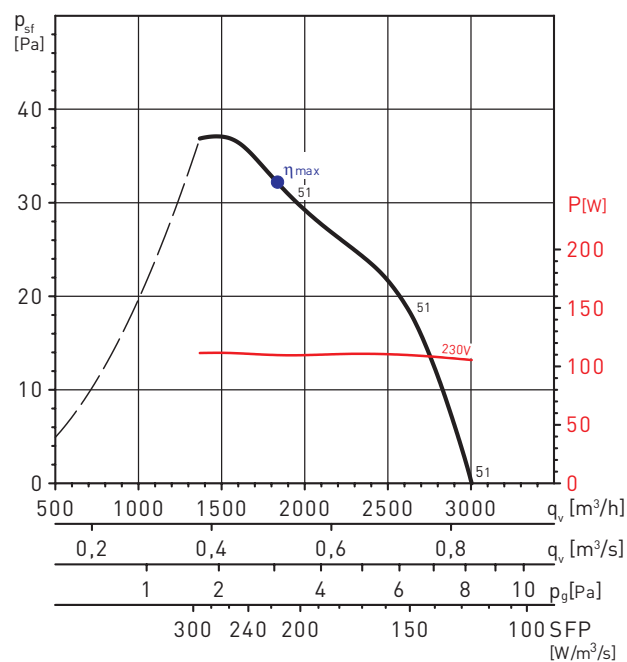
MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	45,5	46,1	8,132	28765	463	1467

PERFORMANCE CURVES - 6 POLE MOTORS

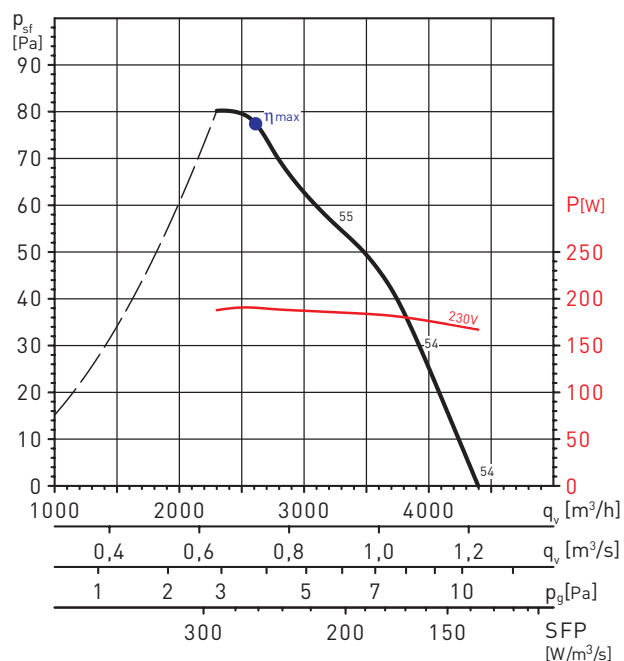
HCBB/6-355/H



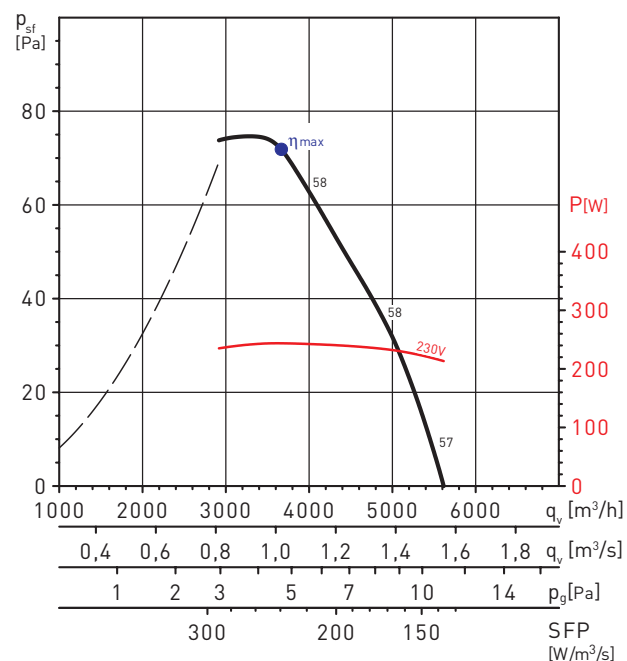
HCBB/6-400/H



HCBB/6-450/H



HCBB/6-500/H

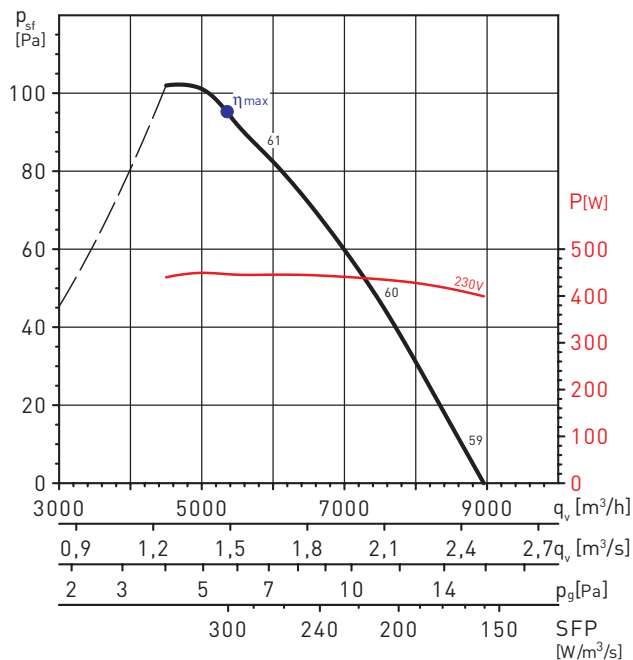


MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	29,3	40,2	0,190	2604	77	908

MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	29,9	40,1	0,244	3660	72	886

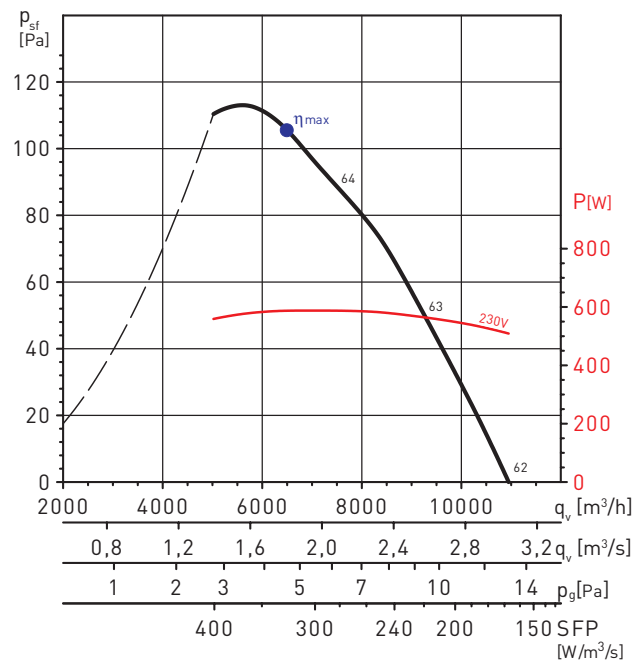
PERFORMANCE CURVES - 6 POLE MOTORS

HCBB/6-560/H



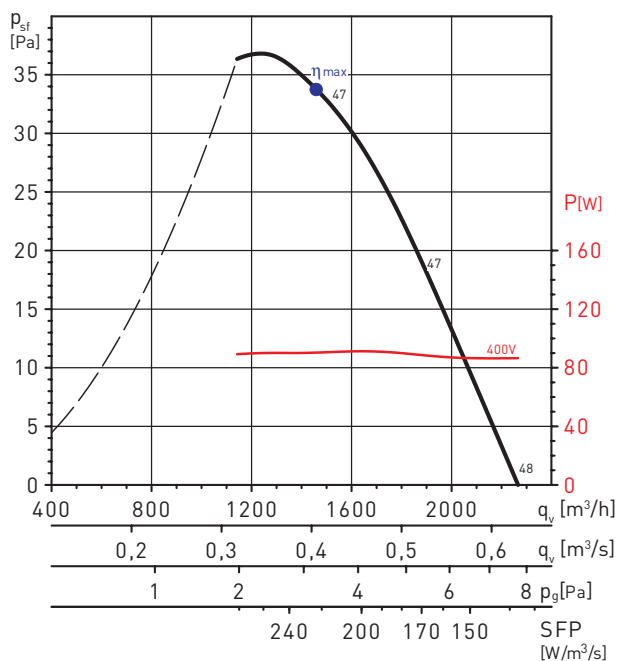
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	31,6	40,1	0,447	5347	95	903

HCBB/6-630/H

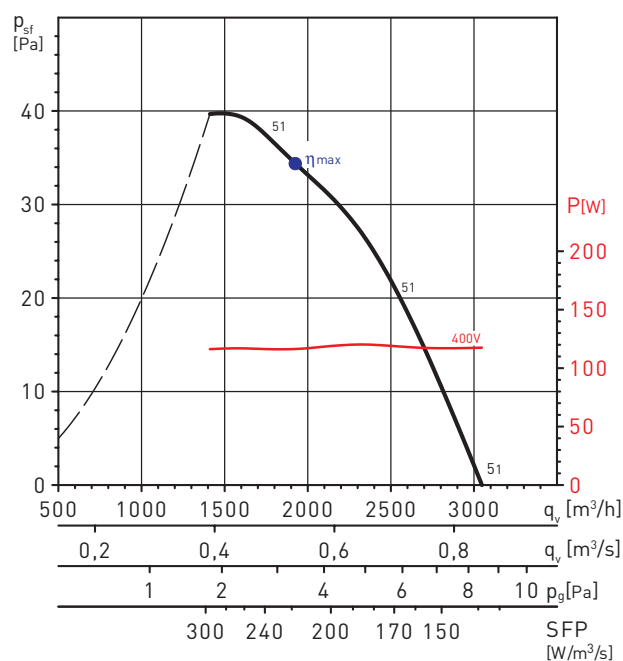


MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	32,4	40,2	0,587	6492	106	888

HCBT/6-355/H

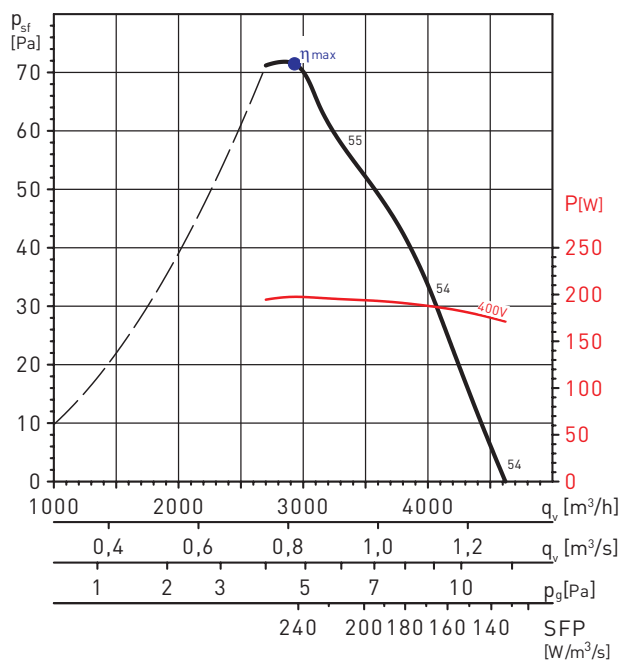


HCBT/6-400/H



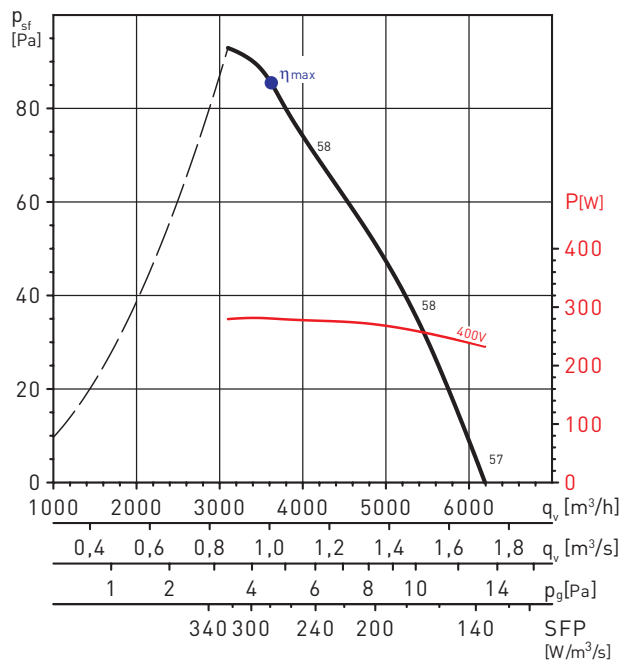
PERFORMANCE CURVES - 6 POLE MOTORS

HCBT/6-450/H



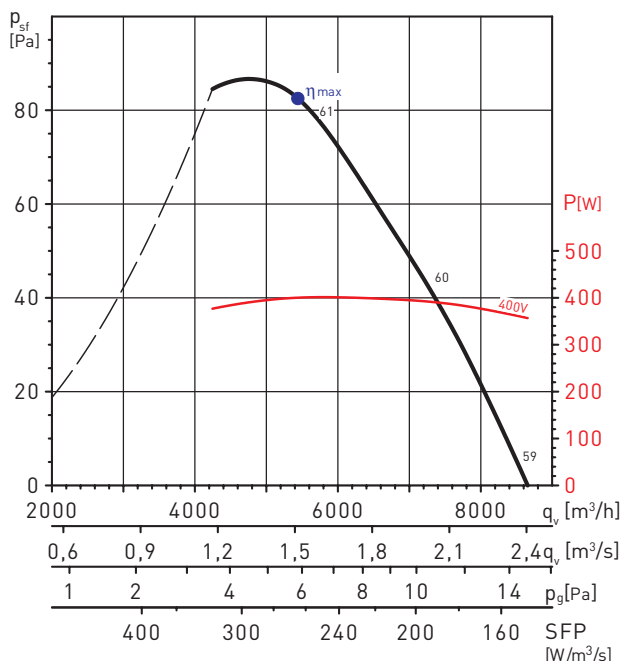
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	29,3	40,1	0,198	2925	71	904

HCBT/6-500/H



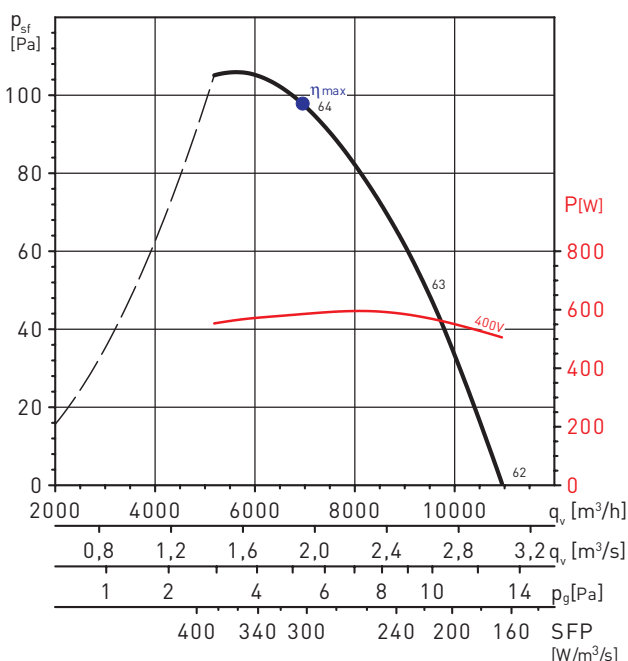
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	30,3	40,1	0,281	3613	85	874

HCBT/6-560/H



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	31,2	40,0	0,400	5444	83	876

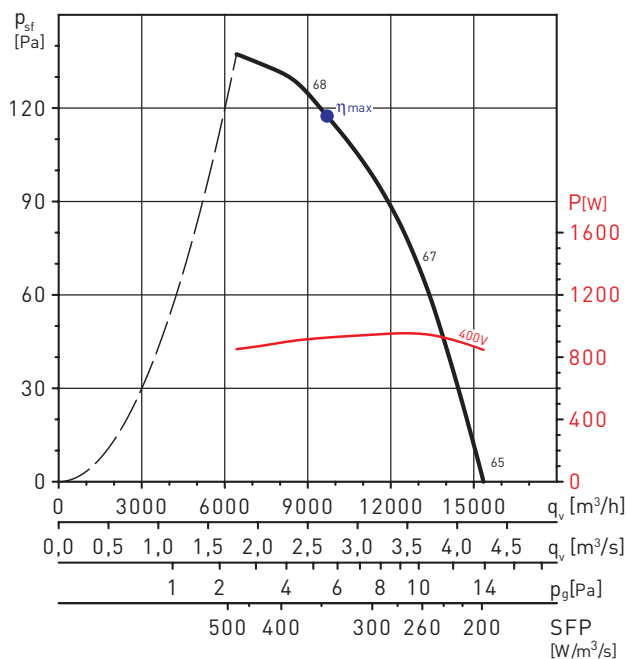
HCBT/6-630/H



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	32,3	40,1	0,585	6954	98	889

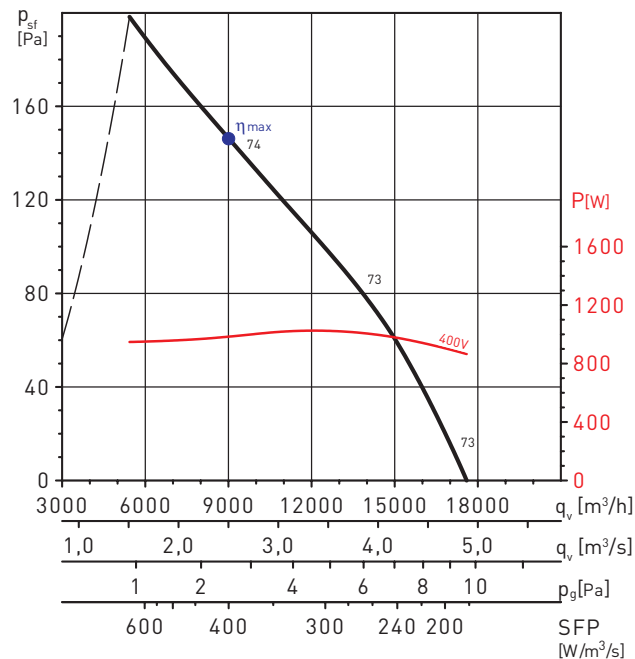
PERFORMANCE CURVES - 6 POLE MOTORS

HCBT/6-710/H



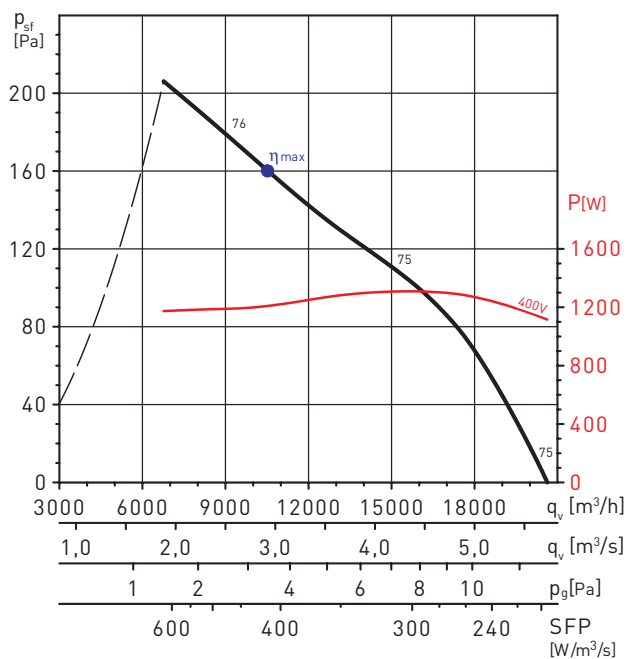
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	34,2	40,7	0,926	9683	118	946

HCBT/6-800/L



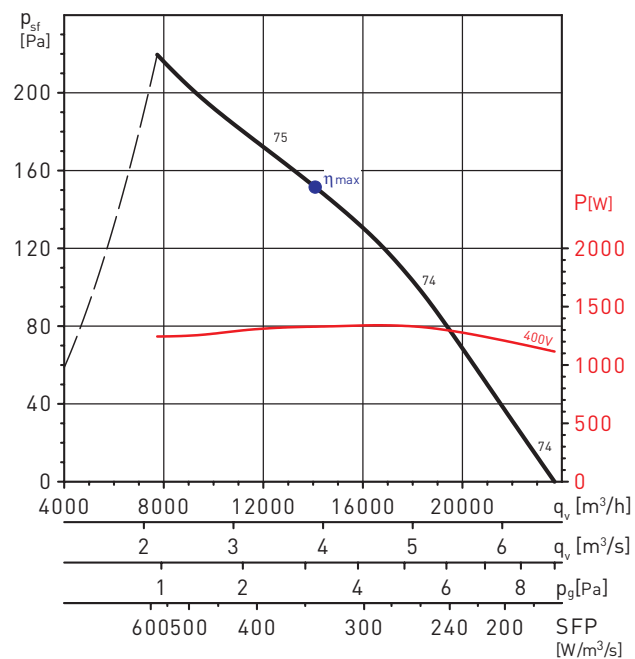
MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	37,2	43,6	0,984	9004	146	927

HCBT/6-800/H



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	38,8	44,6	1,208	10519	160	923

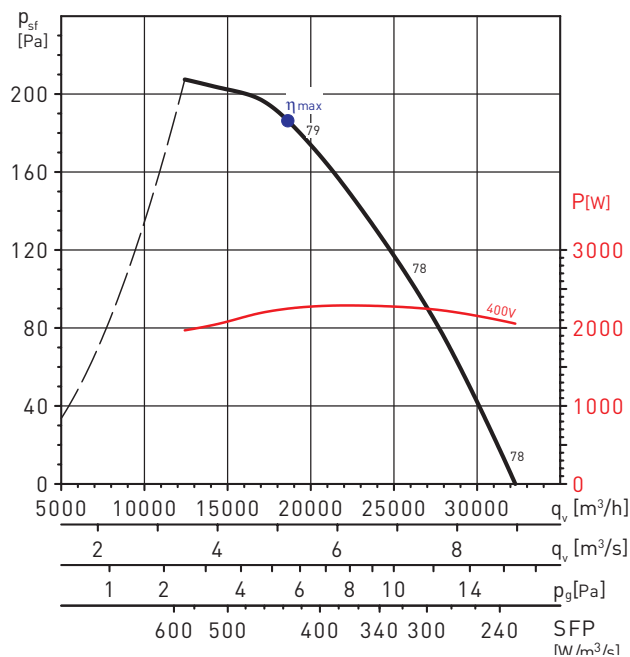
HCBT/6-900/L



MC	EC	VSD	SR	η [%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	44,6	50,2	1,329	14066	152	953

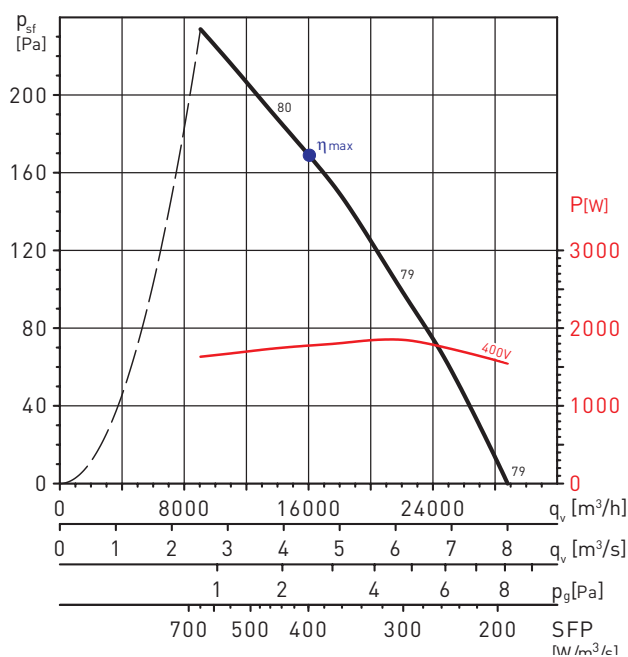
PERFORMANCE CURVES - 6 POLE MOTORS

HCBT/6-900/H



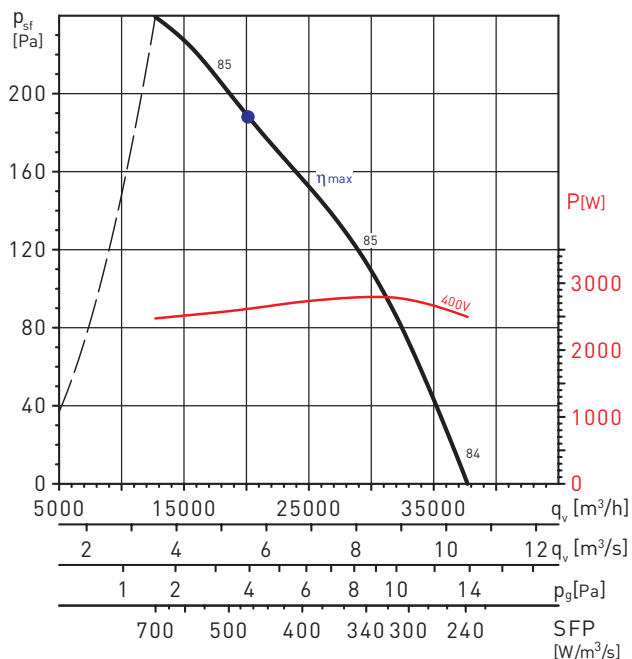
MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	42,8	46,9	2,247	18590	187	943

HCBT/6-1000/L

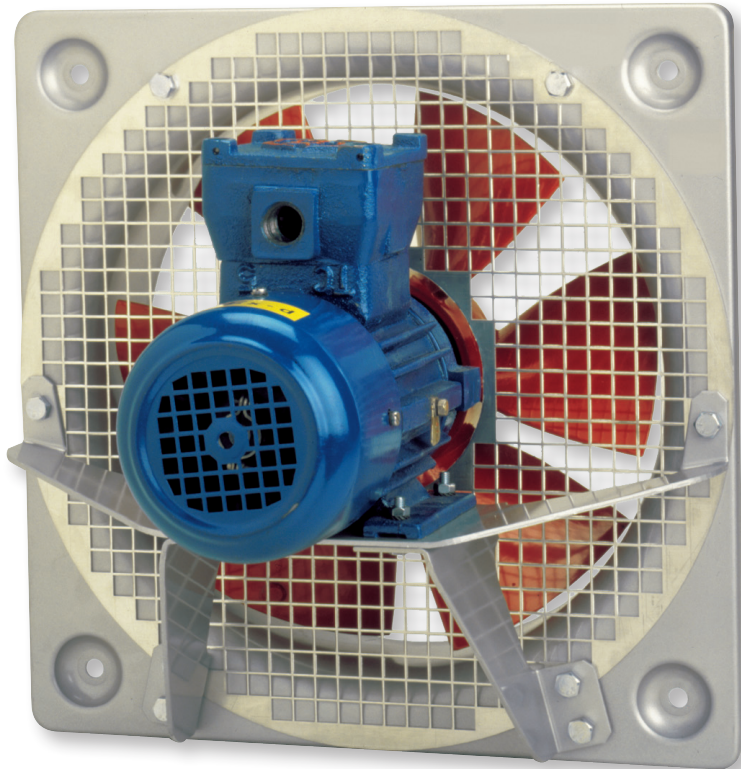


MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	42,4	47,2	1,775	16021	169	927

HCBT/6-1000/H



MC	EC	VSD	SR	η[%]	N	[kW]	[m³/h]	[Pa]	[RPM]
A	Static	No	1	40,3	44,0	2,615	20140	188	929



Range of plate mounted axial flameproof fans. Mounting plate manufactured from galvanised sheet steel fitted with an internal aluminium ring and motor support manufactured from heavy gauge aluminium sheet. The whole assembly is protected by aluminium paint finish B-0920. Impellers manufactured from one piece die-cast aluminium with aerofoil profile fixed blades and finished in a high temperature paint coating (red colour). Available, depending upon the model, with single or three phase motors in 4, 6 or 8 poles.

Motors

All motors are IP55, Class F insulation. All motors incorporate ball bearings greased for life.

Electrical supplies:

Single phase 230V-50Hz.

Three phase 230/400V-50Hz.

ATEX versions HDT

On request, explosion proof versions in accordance with ATEX Directive.

For ambient working temperatures from -20°C to +40°C.

- ATEX Flameproof-Gas

In standard ATEX version flameproof motors are without thermal protection.

If used with frequency inverter, flameproof motors with a PTC-type thermal protection must be specified at order.

⊕ II 2G Ex d IIB T4

⊕ II 2G Ex d IIB+H2 T4

- ATEX Dust

In standard ATEX version, ATEX motors for dust are without thermal protection.

If used with frequency inverter, ATEX motors for dust with a PTC-type thermal protection must be specified at order.

Suspended flammable particles and

non-conductive dust:

⊕ II 3D Ex tc IIIB T125°C

Conductive dust:

⊕ II 3D Ex tc IIIC T125°C (with IP65 motor)

To select HDT ATEX refer to performance curves or Easyvent.

Note electrical data may vary for ATEX motors.

Alternative ATEX motors, if available, may be filled- please refer.

Additional information

Standard air direction: form (A) configuration (Motor over Impeller).

For the single phase motors, the capacitor is provided not fitted on the fan. It must be installed outside of the ATEX area or within an electrical main board complying with ATEX Directive.

On request

Air direction: form (B) configuration (Impeller over Motor) only for 450 and 560 models.

Specific applications



PLATE MOUNTED AXIAL FLOW FLAMEPROOF FANS

HDB / HDT Series



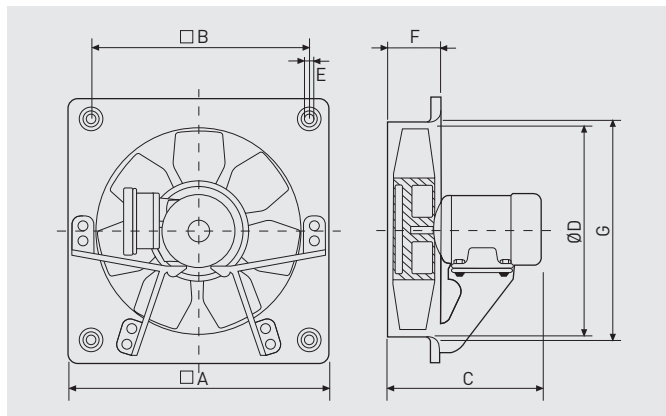
TECHNICAL CHARACTERISTICS

Before making any electrical connection ensure that the voltage and frequency of the mains electrical supply matches that of the fan data plate label.

Model	Motor versions		Speed (rpm)	Diameter (mm)	Motor power (kW)	Maximum absorbed current (A)		Maximum airflow (m³/h)	Sound pressure level* (dB(A))	Weight (kg)
	IIB	IIC				230 V	400 V			
SINGLE PHASE 4 POLE										
HDB/4-315	IIBT4	IICT4	1300	315	0,12	0,9	–	2.240	56	11
HDB/4-355	IIBT4	IICT4	1310	355	0,18	1,14	–	3.120	60	12
HDB/4-400	IIBT4	-	1320	400	0,37	1,9	–	4.780	65	15
HDB/4-450	IIBT4	-	1340	450	0,55	2,8	–	8.000	66	21
SINGLE PHASE 6 POLE										
HDB/6-355	IIBT4	IICT3	920	355	0,12	1,02	–	2.100	52	12
HDB/6-450	IIBT4	-	900	450	0,25	1,8	–	5.300	58	17
HDB/6-560	IIBT4	-	920	560	0,75	3,3	–	9.300	65	30
THREE PHASE 4 POLE										
HDT/4-315	IIBT4	IICT4	1330	315	0,12	0,9	0,52	2.240	56	9,5
HDT/4-355	IIBT4	IICT4	1340	355	0,18	1,14	0,66	3.120	60	11
HDT/4-400	IIBT4	IICT4	1370	400	0,37	1,9	1,1	4.780	65	15
HDT/4-450	IIBT4	IICT4	1380	450	0,55	2,6	1,5	8.000	66	20
HDT/4-560	IIBT4	IICT4	1390	560	1,1	5,02	2,9	13.700	73	29
THREE PHASE 6 POLE										
HDT/6-355	IIBT4	IICT4	950	355	0,18	0,92	1,59	2.100	52	11
HDT/6-400	IIBT4	IICT4	900	400	0,15	1,13	0,65	3.140	56	15
HDT/6-450	IIBT4	IICT4	900	450	0,25	1,73	1	5.300	58	16
HDT/6-560	IIBT4	IICT4	920	560	0,75	3,11	1,8	9.300	65	29
THREE PHASE 8 POLE										
HDT/8-450	IIBT4	IICT4	670	450	0,11	1,07	0,62	4.100	52	16
HDT/8-560	IIBT4	IICT4	680	560	0,26	1,77	1,02	7.250	59	20

* Sound pressure level measured at 1,5 meters in free field conditions.

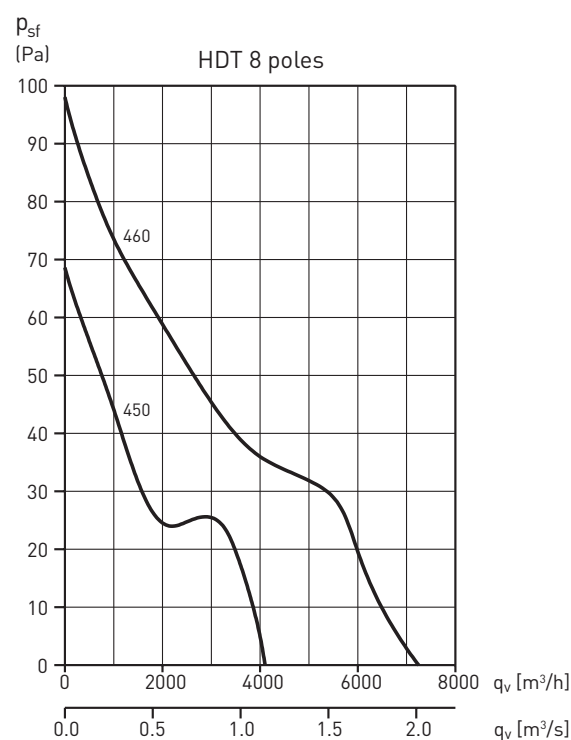
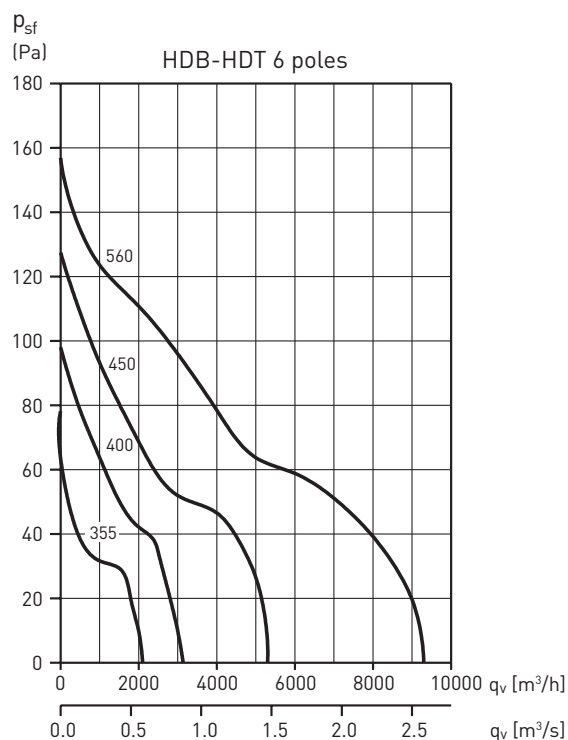
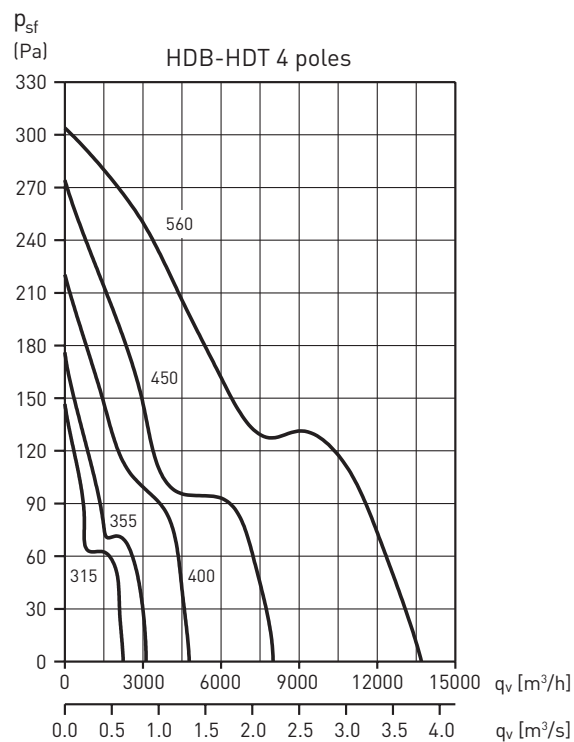
DIMENSIONS (mm)



Model	A	B	C			D	E	F	G
			Number of poles						
			/4	/6	/8				
HDB-HDT 315	400	330	323	–	–	315	10	85	329
HDB-HDT 355	450	380	325	325	–	355	10	87	371
HDB-HDT 400	500	420	336	336	–	400	10	90	422
HDB-HDT 450	560	480	360	349	349	450	10	106	476
HDB-HDT 560	710	630	435	435	368	560	10	112	596

PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.





Range of in-line rectangular duct fan, specially designed for the extraction of potentially hazardous and explosive gases.

Manufactured from galvanised steel sheet and provided with an inspection cover that can be removed to access the motor/ impeller assembly without having to remove the complete fan casing from the ducting. All model incorporate direct-drive forward curved centrifugal impeller. Working temperature from -20 to 55 °C.

Motors

Available in 4 poles.

Three-phase 4 pole motors, IP55, class F with PTC thermal protection.

Speed controllable by auto-transformer RMT* or by inverter VFTM*.

* These accessories are certified for use with the equipment. For that reason, they cannot be substituted with any other type or brand of accessory.

Electrical supply:

Three phase 230/400V-50Hz.

ATEX ILT

Explosion proof versions in accordance with ATEX Directive, for 3 phase models. For ambient working temperatures from -20°C to +55°C.

- ATEX Increased safety - Gas

⊕ II 2G Exe II T3 Gb

EC: LOM II ATEX 2026 X



Easy to install
Standard rectangular flanges to ease the Installation.



IP55 remote terminal box
To ease installation and maintenance.



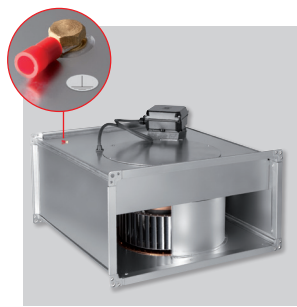
Inspection cover
To facilitate maintenance.



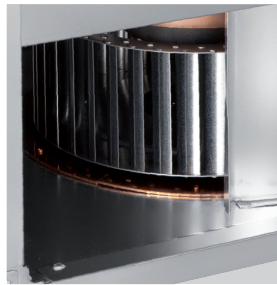
Specific applications



Non-sparking construction
Non-sparking construction in copper.



Earth connection.



ATEX mouthpiece

TECHNICAL CHARACTERISTICS

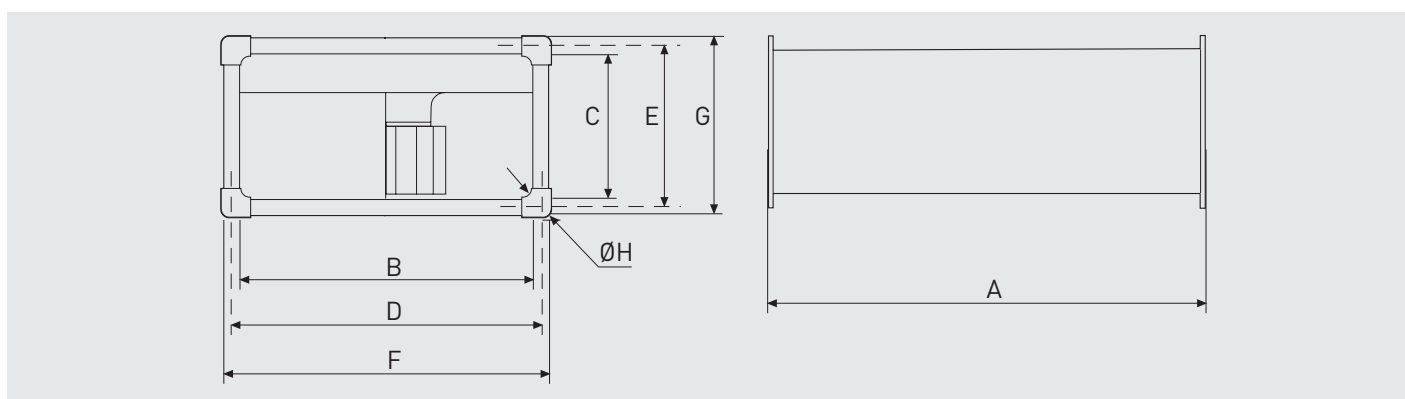
Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Nominal ducting dimensions	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A)		Maximum airflow (m³/h)	Sound pressure level* (dB(A))		Weight (kg)	Speed controller RMT	Variable frequency inverter VFTM	
				230 V	400 V		Inlet	Outlet			Main supply	
											1/230V/50Hz**	3/400V/50Hz
ILT/4-225 EX	500x250	1200	565	1,7	1	1.720	62	66	20	RMT-1,5	VFTM MONO 0,55	VFTM TRI 0,55
ILT/4-250 EX	500x300	1240	1150	3,3	1,9	2.610	67	70	25	RMT-2,5	VFTM MONO 1,1	VFTM TRI 1,1
ILT/4-285 EX	600x300	1200	1430	4	2,3	3.260	67	72	32	RMT-2,5	VFTM MONO 1,5	VFTM TRI 1,5
ILT/4-315 EX	600x350	1370	2300	8,5	4,9	4.000	72	77	42	RMT-5	VFTM MONO 2,2	VFTM TRI 3

* Sound pressure level measured in free field condition at 1,5m, at the "A" working point of the performance curve.

** Only with 230/400V motor.

DIMENSIONS (mm)

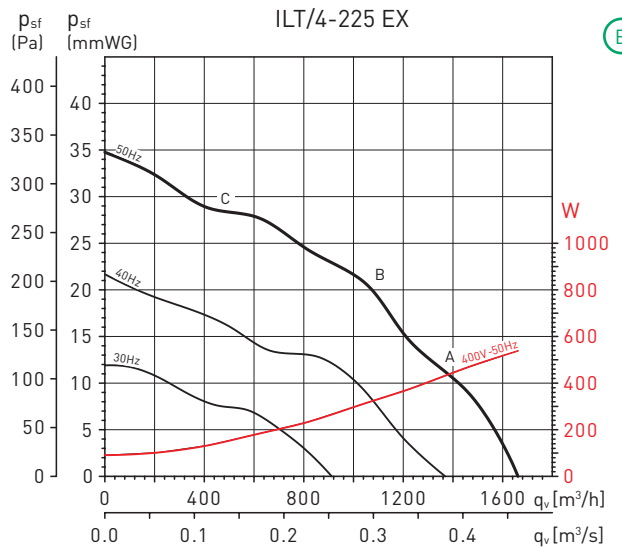
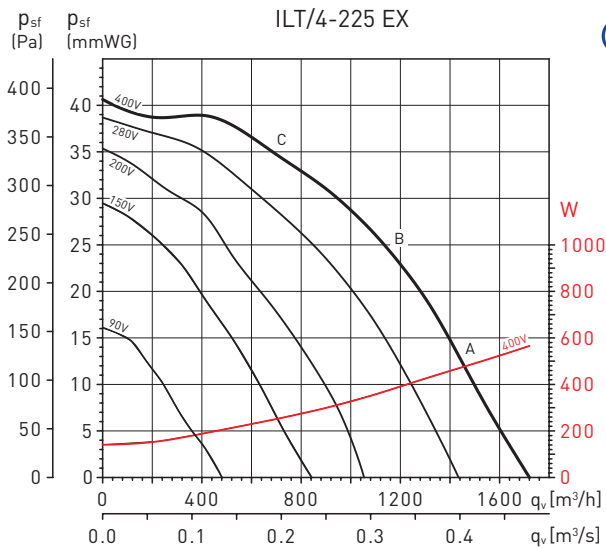


Model	A	B	C	D	E	F	G	Ø H
225	535	500	248	520	270	540	290	9
250	565	500	298	520	320	540	340	9
285	645	600	298	620	320	640	340	9
315	725	600	348	620	370	640	390	9

PERFORMANCE CURVES

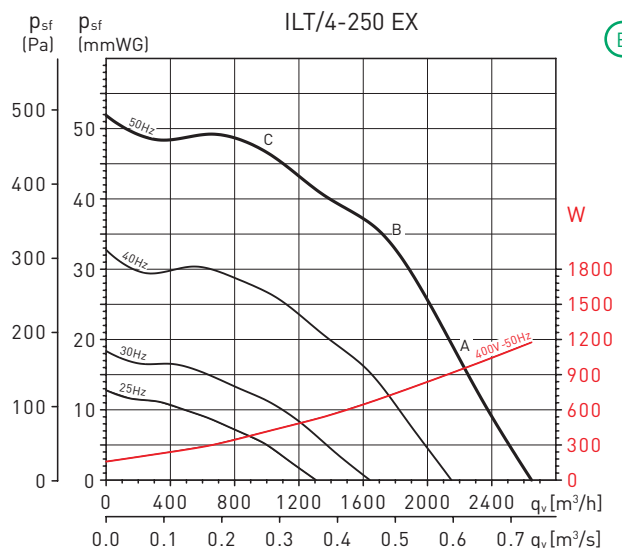
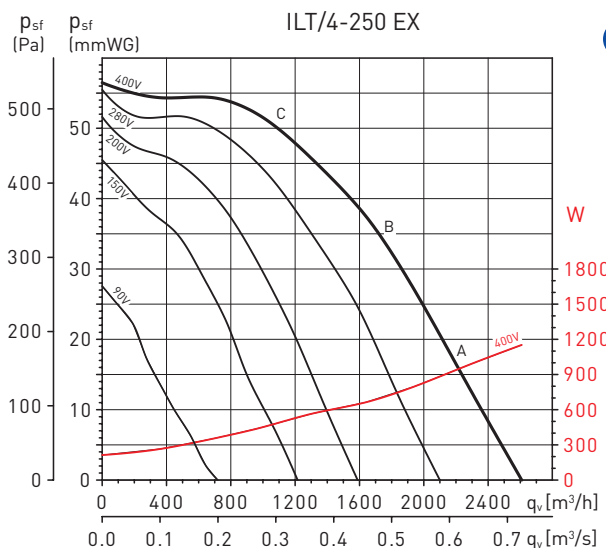
- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- The sound power spectrum in dB (A), at the fan inlet, discharge and radiated at 3 working points of the performance curve (A: maximum volume).

Performance curves (A): obtained with auto-transformer (RMT).
Performance curves (B): obtained with speed controllable by inverter.



ILT/4-225 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	51	63	66	71	72	69	64	55	76
	B	48	60	63	68	69	66	61	52	73
	C	43	55	58	63	64	61	56	47	68
Outlet	A	48	63	66	72	77	74	72	65	81
	B	45	60	63	69	74	71	69	62	78
	C	41	56	59	65	70	67	65	58	74
Radiated	A	51	56	57	59	62	62	57	47	68
	B	48	53	54	56	59	59	54	44	65
	C	43	48	49	51	54	54	49	39	60

ILT/4-225 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	50	62	65	70	71	68	63	54	75
	B	46	58	61	66	67	64	59	50	71
	C	42	54	57	62	63	60	55	46	67
Outlet	A	46	61	64	70	75	72	70	63	79
	B	42	57	60	66	71	68	66	59	75
	C	38	53	56	62	67	64	62	55	71
Radiated	A	50	55	56	58	61	61	56	46	67
	B	46	51	52	54	57	57	52	42	63
	C	40	45	46	48	51	51	46	36	57



ILT/4-250 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	56	68	70	75	76	75	70	61	81
	B	53	65	67	72	73	72	67	58	78
	C	49	61	63	68	69	68	63	54	74
Outlet	A	52	67	69	77	80	79	76	69	85
	B	50	65	67	75	78	77	74	67	83
	C	47	62	64	72	75	74	71	64	80
Radiated	A	56	61	61	64	65	64	60	51	71
	B	53	58	58	61	62	61	57	48	68
	C	49	54	54	57	58	57	53	44	64

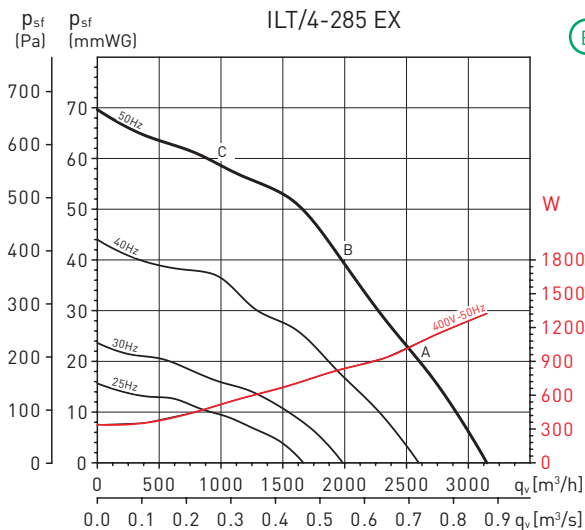
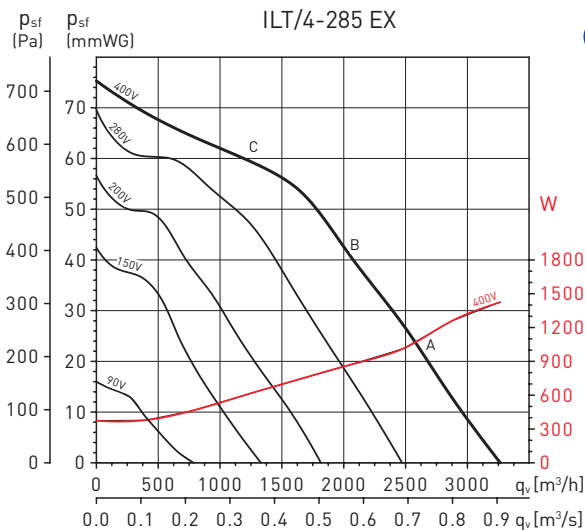
ILT/4-250 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	56	68	70	75	76	75	70	61	81
	B	53	65	67	72	73	72	67	58	78
	C	48	60	62	67	68	67	62	53	73
Outlet	A	52	67	69	77	80	79	76	69	85
	B	50	65	67	75	78	77	74	67	83
	C	46	61	63	71	74	73	70	63	79
Radiated	A	56	61	61	64	65	64	60	51	71
	B	53	58	58	61	62	61	57	48	68
	C	48	53	53	56	57	56	52	43	63

PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- The sound power spectrum in dB (A), at the fan inlet, discharge and radiated at 3 working points of the performance curve (A: maximum volume).

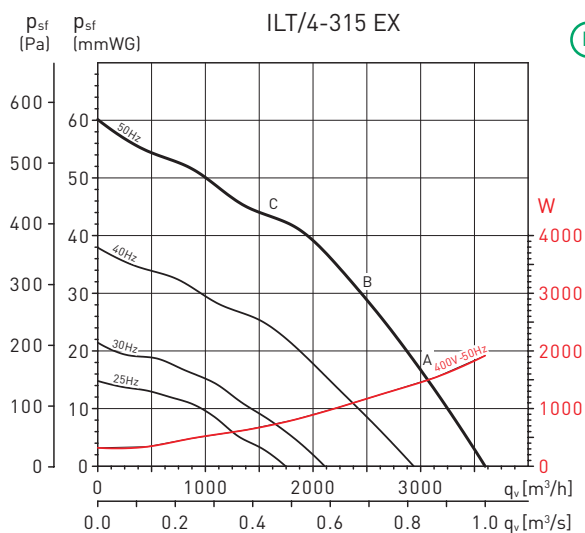
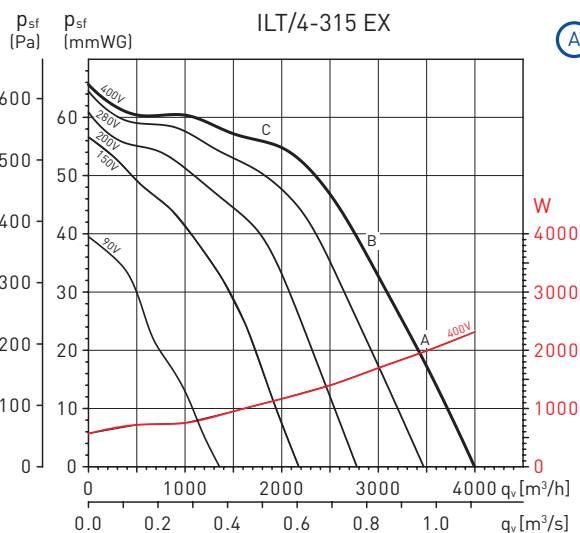
Performance curves (A): obtained with auto-transformer (RMT).

Performance curves (B): obtained with speed controllable by inverter.



ILT/4-285 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	57	69	71	75	76	76	72	67	82
	B	58	70	72	76	77	77	73	68	83
	C	53	65	67	71	72	72	68	63	78
Outlet	A	54	69	71	80	82	81	78	71	87
	B	55	70	72	81	83	82	79	72	88
	C	51	66	68	77	79	78	75	68	84
Radiated	A	57	64	64	65	61	61	59	56	71
	B	58	65	65	66	62	62	60	57	72
	C	53	60	60	61	57	57	55	52	67

ILT/4-285 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	57	69	71	75	76	76	72	67	82
	B	57	69	71	75	76	76	72	67	82
	C	52	64	66	70	71	71	67	62	77
Outlet	A	54	69	71	80	82	81	78	71	87
	B	54	69	71	80	82	81	78	71	87
	C	50	65	67	76	78	77	74	67	83
Radiated	A	57	64	64	65	61	61	59	56	71
	B	57	64	64	65	61	61	59	56	71
	C	52	59	59	60	56	56	54	51	66



ILT/4-315 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	62	74	76	80	81	81	77	72	87
	B	59	71	73	77	78	78	74	69	84
	C	53	65	67	71	72	72	68	63	78
Outlet	A	59	74	76	85	87	86	83	76	92
	B	56	71	73	82	84	83	80	73	89
	C	51	66	68	77	79	78	75	68	84
Radiated	A	62	69	69	70	66	66	64	61	76
	B	59	66	66	67	63	63	61	58	73
	C	54	61	61	62	58	58	56	53	68

ILT/4-315 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	59	71	73	77	78	78	74	69	84
	B	55	67	69	73	74	74	70	65	80
	C	50	62	64	68	69	69	65	60	75
Outlet	A	56	71	73	82	84	83	80	73	89
	B	54	69	71	80	82	81	78	71	87
	C	48	63	65	74	76	75	72	65	81
Radiated	A	59	66	66	67	63	63	61	58	73
	B	55	62	62	63	59	59	57	54	69
	C	51	58	58	59	55	55	53	50	65

SPECIFIC ACCESSORIES



ISA
Anti-vibration
mounting.
1 ISA = 4 supports.



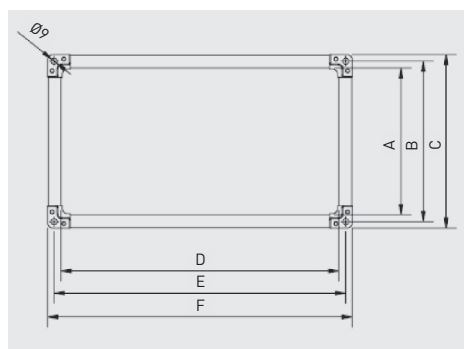
IBR
Rectangular duct
flange.



DEF
Rectangular defense
guard.



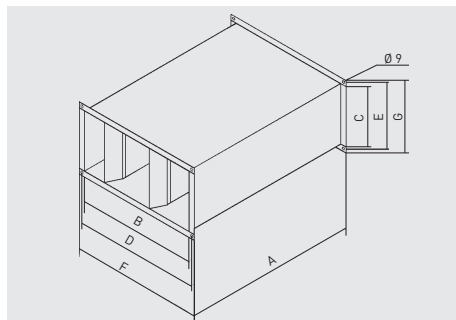
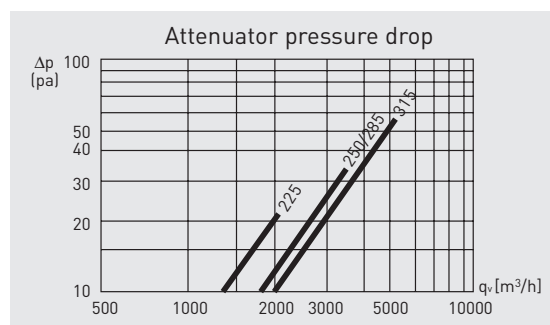
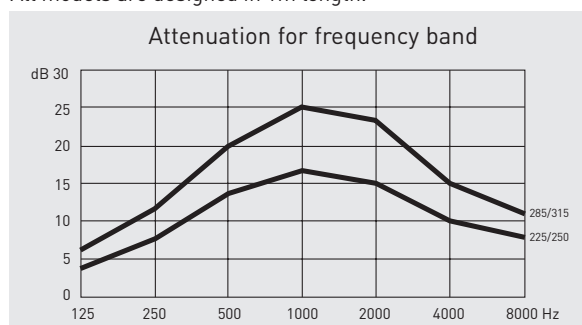
IAE EX
Rectangular flexible
connector.



Model	A	B	C	D	E	F
IAE EX - 225	248	270	290	500	520	540
IAE EX - 250	298	320	340	500	520	540
IAE EX - 285	298	320	340	600	620	640
IAE EX - 315	348	370	390	600	620	640



IAA
Sound Attenuators
Designed to reduce in-duct sound levels.
All models are designed in 1m length.



Model	A	B	C	D	E	F	G	Weight
IAA-225	1000	500	250	520	270	540	290	23,0 kg
IAA-250	1000	500	300	520	320	540	340	23,0 kg
IAA-285	1000	600	300	620	320	640	340	28,2 kg
IAA-315	1000	600	350	620	370	640	390	30,0 kg

ELECTRICAL ACCESSORIES (INSTALLED OUTSIDE THE ATEX AREA)

NOTE: The following accessories are certified for use with the equipment. For that reason, they cannot be substituted with any other type or brand of accessory.



RMB/RMT
Three phase speed controller.



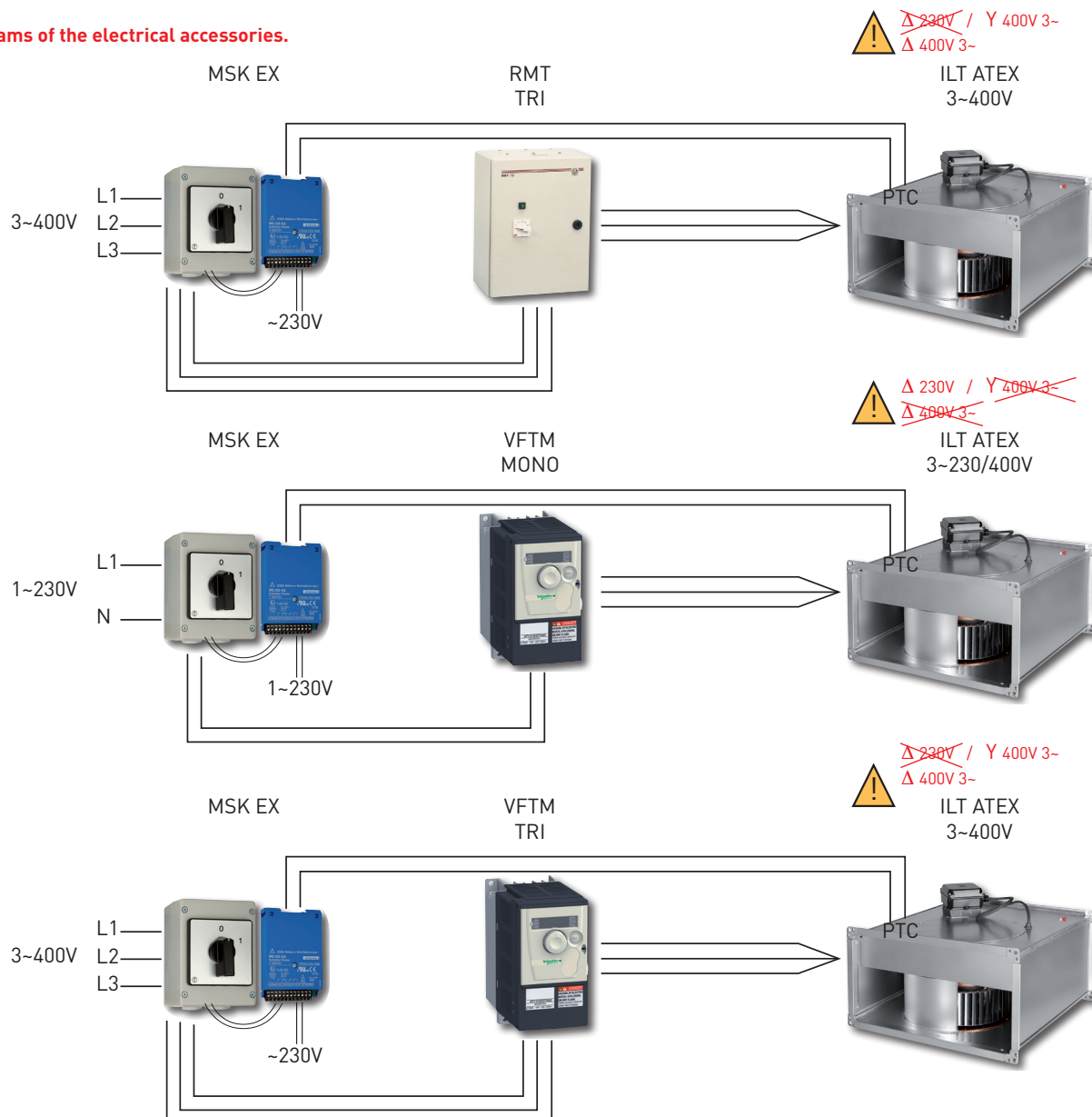
VFTM IP21
Adjustable frequency drives.



Protection system for the motor MSK EX
Set comprising a protection relay in combination with a circuit breaker.
For 400V three-phase motors with PTC.

For more information see Electrical accessories.

Connection diagrams of the electrical accessories.



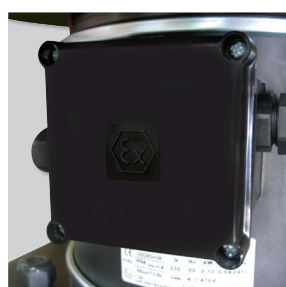


Range of roof mounted mixed flow fans, specially designed for the extraction of potentially hazardous and explosive gases, manufactured from sheet steel protected with black polyester paint coating (except TH-800/200 manufactured from plastic to prevent retention of static electricity, base and cap manufactured from sheet steel protected with black polyester paint coating). Bird-proof guard. Detachable fan unit without demounting duct connections.

TH ATEX motors

- Single Phase 230V 50 Hz
 - IP44 Class B
 - ATEX Increased safety-Gas
 - For models 250 and 315.
 - ⚡ IIG Exe IIC T3 Gb
 - EC: LOM 11 ATEX 2021 X Supplement 1
 - For model 800
 - ⚡ IIG Exe IIC T3 Gb
 - EC: LOM 08 ATEX 2052 X Supplement 2
- See data for selection or refer to Easyvent

Specific applications



IP55, external terminal box
External terminal box, easy access, IP55, fireproof plastic V0.



ATEX capacitor.

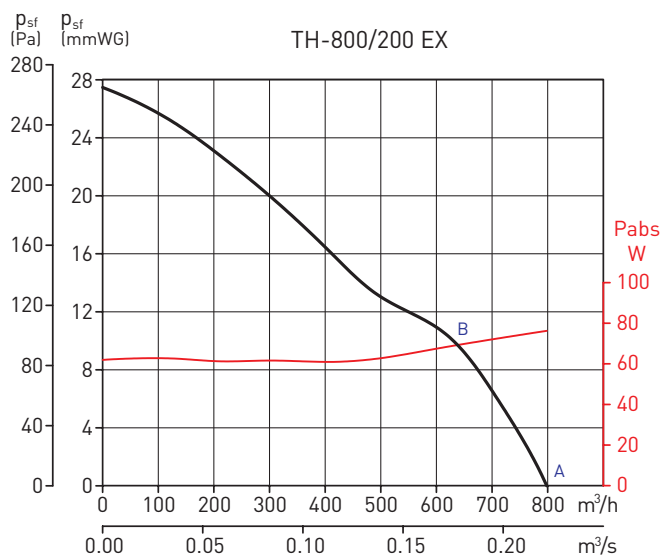
TECHNICAL CHARACTERISTICS

Model	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A)	Maximum airflow (m³/h)	Working temperature (°C)	Sound pressure level* [dB(A)]		Weight (kg)
						Inlet	Outlet	
TH-800/200 EX	2450	120	0,50	800	-20/+40	58	59	8
TH-1100/250 EX	2630	197	0,85	965	-20/+40	55	63	22
TH-1200/315 EX	2600	170	0,74	1150	-20/+40	52	56	28

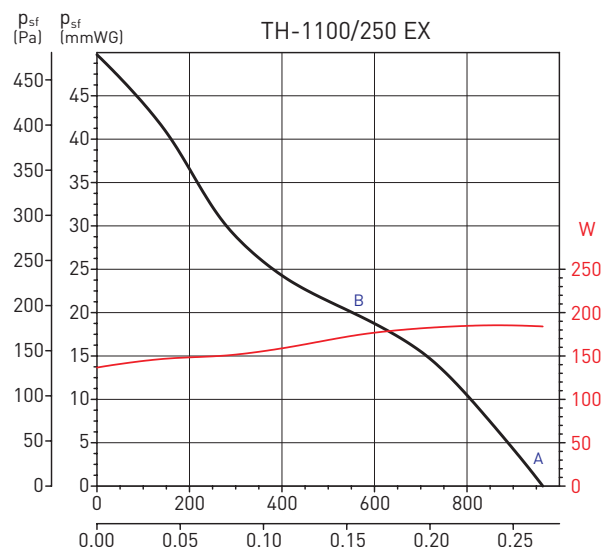
* Sound pressure level, measured at 3 m in free field conditions, at point "A" of the performance curve.

PERFORMANCE CURVES

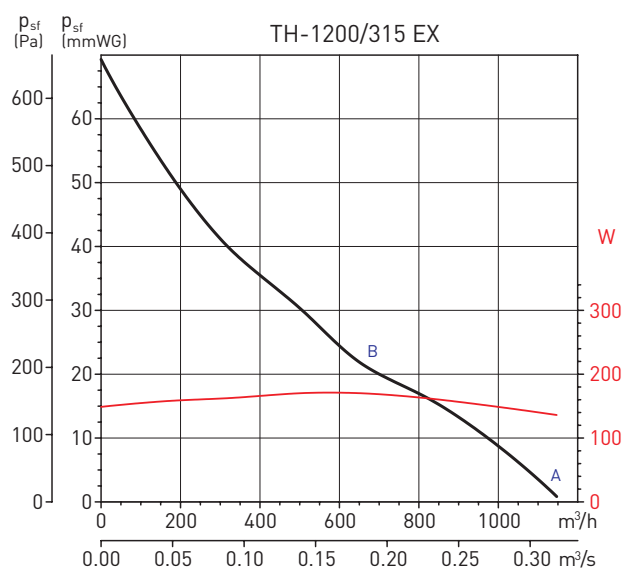
- q_v : Airflow in m^3/h and m^3/s .
- p_{st} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- LwA: Sound power level measured at inlet and outlet in dB(A).



TH-800/200 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	19	44	64	73	75	70	65	57	78
	B	25	53	67	75	76	71	64	55	80
Outlet	A	42	51	64	76	75	72	66	57	80
	B	39	56	69	80	78	72	64	55	83

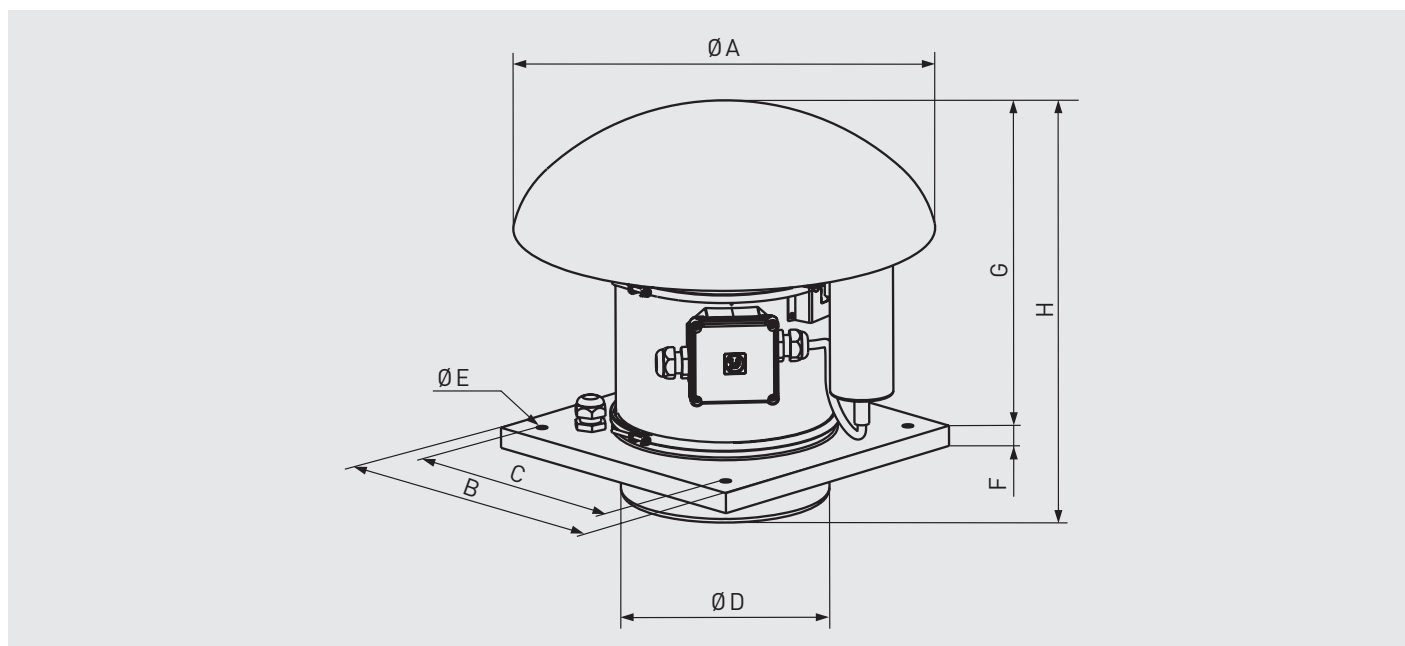


TH-1100/250 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	40	51	64	68	69	72	63	57	75
	B	39	53	68	69	67	68	62	54	74
Outlet	A	54	55	68	78	80	78	67	58	84
	B	39	53	69	75	76	74	66	57	80



TH-1200/315 EX		63	125	250	500	1.000	2.000	4.000	8.000	LwA
Inlet	A	29	45	61	62	68	68	62	56	72
	B	39	49	70	66	68	69	62	56	75
Outlet	A	42	52	66	70	74	66	64	56	77
	B	38	44	74	72	72	72	65	56	79

DIMENSIONS (mm)

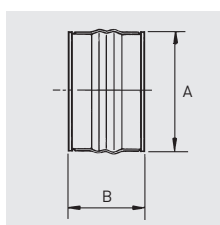


Model	A	B	C	D	E	F	G	H
TH-800/200 EX	400	300	245	197,5	10,5	20	312	377
TH-1100/250 EX	546	435	330	248	12	20	372	457
TH-1200/315 EX	735	560	450	312	12	20	450	544

SPECIFIC ACCESSORY



ACOPEL EX N
Explosion proof
flexible connection.



Model	Model connection	ØA	B
TH-800/200 EX	ACOPEL EX-200/160 N	200	160
TH-1100/250 EX	ACOPEL EX-250/160 N	250	160
TH-1200/315 EX	ACOPEL EX-315/160 N	315	160

For more information see mounting accessories.