

HTMH/ATEX

Multi purpose roof mounted fans for large airflow, with ATEX 2G or 2D certification and Ex db, Ex eb or Ex tb motor



Notified authority: LOM
 Identification no.: LOM 03ATEX0157
 Motor marking:
 Ⓜ II 2G Ex db IIB T4 Gb
 Ⓜ II 2G Ex eb IIB T3 Gb
 Ⓜ II 2D Ex tb IIIC T135 °C Db



Extremely robust, multi-purpose roof-mounted axial fans for large airflows. ATEX 2G or 2D certification with flameproof Ex db, increased safety Ex eb or dust ignition proof Ex tb motor to work in explosive gas or dust atmospheres.

Fan:

- Support base in painted galvanised steel sheet.
- Adjustable cast aluminum impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.
- Cap in painted galvanised steel sheet, with natural air outlet.
- Standard marking with flameproof motor (Ex db): II 2G Ex h IIB T4 Gb.
- Standard marking with increased safety motor (Ex eb): II 2G Ex h IIB T3 Gb.
- Standard marking with motor for dust ignition proof (Ex tb): II 2D Ex h IIIC T135 °C Db.

Motor:

- Class F motors with ball bearings and ATEX certification flameproof Ex db, increased safety Ex eb or dust ignition proof Ex tb.

- Single-phase 230 V 50 Hz and three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -20 °C +40 °C.

Finish:

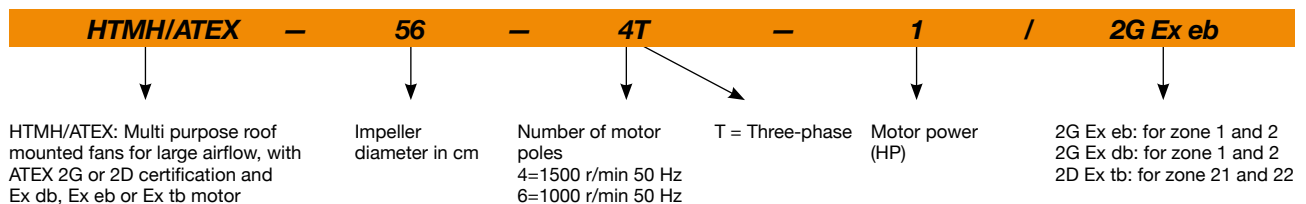
- Anti-corrosive with ATEX paint, free of iron components, in polyester resin polymerized at 190 °C, after degreasing with phosphate-free nanotechnological treatment.

On request:

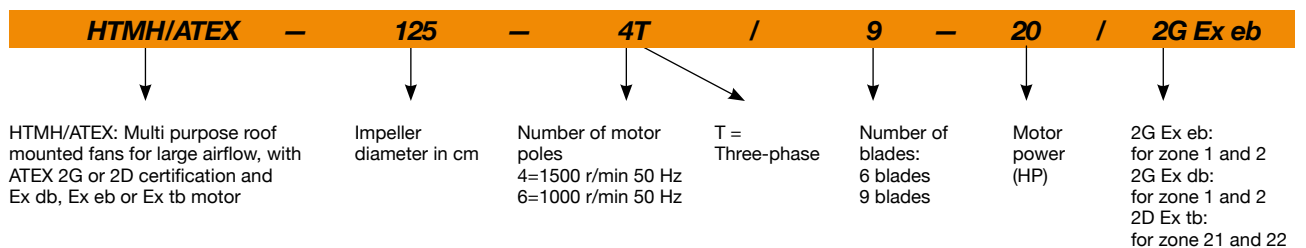
- Total stainless steel construction.
- Hot dip galvanised steel construction.
- Motors with built-in PTC.
- Special windings for different voltages and frequencies.
- ATEX construction for flammable dust.
- ATEX fan with greater protection than the standard marking.
- Fans with 2 speed motor.
- Ex db flameproof single-phase motors.

Order code

From size 56 to size 100



Size 125



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m ³ /h)	Sound pressure level ¹ dB (A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
HTMH/ATEX-56-4T-1	1410	3.81	2.20		0.75	10640	54	51	75
HTMH/ATEX-56-4T-1.5	1435	4.54	2.61		1.10	11525	55	52	72
HTMH/ATEX-56-6T-0.75	930	3.46	2.00		0.55	8255	43	41	80
HTMH/ATEX-63-4T-1.5	1435	4.54	2.61		1.10	13930	57	54	87
HTMH/ATEX-63-4T-2	1400	6.93	4.00		1.50	15630	58	55	81
HTMH/ATEX-63-4T-3	1440	8.30	4.77		2.20	18045	59	56	98
HTMH/ATEX-63-6T-0.75	930	3.46	2.00		0.55	10450	48	46	95
HTMH/ATEX-63-6T-1	930	4.16	2.40		0.75	11355	49	47	85
HTMH/ATEX-71-4T-2	1400	6.93	4.00		1.50	16365	61	58	94
HTMH/ATEX-71-4T-3	1440	8.30	4.77		2.20	18490	63	60	112
HTMH/ATEX-71-4T-4	1445	11.27	6.48		3.00	22685	64	61	120
HTMH/ATEX-71-6T-1	930	4.16	2.40		0.75	13405	50	48	99
HTMH/ATEX-71-6T-1.5	910	5.89	3.40		1.10	16340	51	49	103
HTMH/ATEX-80-4T-4	1445	11.27	6.48		3.00	27750	65	62	150
HTMH/ATEX-80-4T-5.5	1460	15.29	8.79		4.00	30325	66	63	150
HTMH/ATEX-80-6T-1.5	910	5.89	3.40		1.10	19435	54	52	181
HTMH/ATEX-80-6T-2	940	7.62	4.40		1.50	22165	55	53	185
HTMH/ATEX-80-6T-3	940	9.35	5.40		2.20	24890	56	54	191
HTMH/ATEX-90-4T-5.5	1460	15.29	8.79		4.00	35200	71	68	195
HTMH/ATEX-90-4T-7.5	1455		10.64	18.50	5.50	38535	73	70	240
HTMH/ATEX-90-4T-10	1460		14.39	25.03	7.50	41410	74	71	244
HTMH/ATEX-90-6T-3	940	9.35	5.40		2.20	29290	60	58	205
HTMH/ATEX-90-6T-4	945	14.72	8.50		3.00	32040	61	59	248
HTMH/ATEX-100-4T-7.5	1455		10.64	18.50	5.50	41060	76	73	265
HTMH/ATEX-100-4T-10	1460		14.39	25.03	7.50	47645	77	74	269
HTMH/ATEX-100-4T-15	1470		20.76	36.10	11.00	51375	78	75	332
HTMH/ATEX-100-6T-3	940	9.35	5.40		2.20	32600	66	64	231
HTMH/ATEX-100-6T-4	945	14.72	8.50		3.00	35500	67	65	260
HTMH/ATEX-100-6T-5.5	950	18.88	10.90		4.00	40035	68	66	277
HTMH/ATEX-125-4T/6-15	1470		20.76	36.10	11.00	66810	69	66	367
HTMH/ATEX-125-4T/6-20	1460		28.19	49.03	15.00	72900	69	66	449
HTMH/ATEX-125-4T/9-20	1460		28.19	49.03	15.00	76320	68	64	420
HTMH/ATEX-125-6T/6-5.5	950	18.88	10.90		4.00	47770	56	54	320
HTMH/ATEX-125-6T/6-7.5	950		14.00	8.08	5.50	55600	56	54	330
HTMH/ATEX-125-6T/6-10	965		16.40	9.47	7.50	66180	58	56	376
HTMH/ATEX-125-6T/6-15	965		23.30	13.45	11.00	76380	60	58	450
HTMH/ATEX-125-6T/9-7.5	950		14.00	8.08	5.50	50000	57	55	332
HTMH/ATEX-125-6T/9-10	965		16.40	9.47	7.50	59340	57	55	330
HTMH/ATEX-125-6T/9-15	965		23.30	13.45	11.00	71890	60	58	465
HTMH/ATEX-125-6T/9-20	970		29.70	17.10	15.00	83660	63	61	679

1. The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.
Sound power spectrum L_w(A) in dB(A) per Hz frequency band

Values measured at inlet with maximum flow rate

Values measured at exhaust with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
56-4T-1	46	67	74	79	82	78	71	60
56-4T-1.5	47	68	75	80	83	79	72	61
56-6T-0.75	35	56	63	68	71	67	60	49
63-4T-1.5	49	70	77	82	85	81	74	63
63-4T-2	50	71	78	83	86	82	75	64
63-4T-3	51	72	79	84	87	83	76	65
63-6T-0.75	40	61	68	73	76	72	65	54
63-6T-1	41	62	69	74	77	73	66	55
71-4T-2	53	74	81	86	89	85	78	67
71-4T-3	55	76	83	88	91	87	80	69
71-4T-4	56	77	84	89	92	88	81	70
71-6T-1	42	63	70	75	78	74	67	56

	63	125	250	500	1000	2000	4000	8000
56-4T-1	43	64	71	76	79	75	68	57
56-4T-1.5	44	65	72	77	80	76	69	58
56-6T-0.75	33	54	61	66	69	65	58	47
63-4T-1.5	46	67	74	79	82	78	71	60
63-4T-2	47	68	75	80	83	79	72	61
63-4T-3	48	69	76	81	84	80	73	62
63-6T-0.75	38	59	66	71	74	70	63	52
63-6T-1	39	60	67	72	75	71	64	53
71-4T-2	50	71	78	83	86	82	75	64
71-4T-3	52	73	80	85	88	84	77	66
71-4T-4	53	74	81	86	89	85	78	67
71-6T-1	40	61	68	73	76	72	65	54

Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.

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

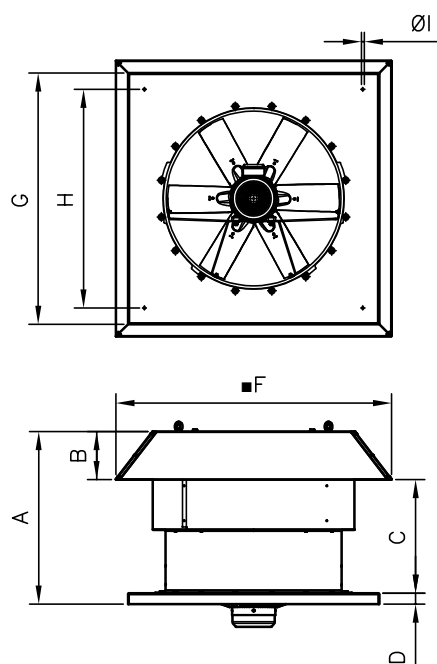
Values measured at inlet with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
71-6T-1.5	43	64	71	76	79	75	68	57
80-4T-4	57	78	85	90	93	89	82	71
80-4T-5.5	58	79	86	91	94	90	83	72
80-6T-1.5	46	67	74	79	82	78	71	60
80-6T-2	47	68	75	80	83	79	72	61
80-6T-3	48	69	76	81	84	80	73	62
90-4T-5.5	63	84	91	96	99	95	88	77
90-4T-7.5	65	86	93	98	101	97	90	79
90-4T-10	66	87	94	99	102	98	91	80
90-6T-3	52	73	80	85	88	84	77	66
90-6T-4	53	74	81	86	89	85	78	67
100-4T-7.5	68	89	96	101	104	100	93	82
100-4T-10	69	90	97	102	105	101	94	83
100-4T-15	70	91	98	103	106	102	95	84
100-6T-3	58	79	86	91	94	90	83	72
100-6T-4	59	80	87	92	95	91	84	73
100-6T-5.5	60	81	88	93	96	92	85	74
125-4T/6-15	63	72	87	94	97	91	85	81
125-4T/6-20	63	72	87	94	97	91	85	81
125-4T/9-20	62	71	87	93	95	89	84	80
125-6T/6-5.5	56	66	78	81	83	79	68	64
125-6T/6-7.5	56	66	78	81	83	79	68	64
125-6T/6-10	58	68	80	83	85	81	70	66
125-6T/6-15	60	70	82	85	87	83	72	68
125-6T/9-7.5	54	65	79	83	83	81	70	66
125-6T/9-10	54	65	79	83	83	81	70	66
125-6T/9-15	57	68	82	86	86	84	73	69
125-6T/9-20	60	71	85	89	89	87	76	72

Values measured at exhaust with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
71-6T-1.5	41	62	69	74	77	73	66	55
80-4T-4	54	75	82	87	90	86	79	68
80-4T-5.5	55	76	83	88	91	87	80	69
80-6T-1.5	44	65	72	77	80	76	69	58
80-6T-2	45	66	73	78	81	77	70	59
80-6T-3	46	67	74	79	82	78	71	60
90-4T-5.5	60	81	88	93	96	92	85	74
90-4T-7.5	62	83	90	95	98	94	87	76
90-4T-10	63	84	91	96	99	95	88	77
90-6T-3	50	71	78	83	86	82	75	64
90-6T-4	51	72	79	84	87	83	76	65
100-4T-7.5	65	86	93	98	101	97	90	79
100-4T-10	66	87	94	99	102	98	91	80
100-4T-15	67	88	95	100	103	99	92	81
100-6T-3	56	77	84	89	92	88	81	70
100-6T-4	57	78	85	90	93	89	82	71
100-6T-5.5	58	79	86	91	94	90	83	72
125-4T/6-15	60	69	84	91	94	88	82	78
125-4T/6-20	60	69	84	91	94	88	82	78
125-4T/9-20	59	68	84	90	92	86	81	77
125-6T/6-5.5	54	64	76	79	81	77	66	62
125-6T/6-7.5	54	64	76	79	81	77	66	62
125-6T/6-10	56	66	78	81	83	79	68	64
125-6T/6-15	58	68	80	83	85	81	70	66
125-6T/9-7.5	52	63	77	81	81	79	68	64
125-6T/9-10	52	63	77	81	81	79	68	64
125-6T/9-15	55	66	80	84	84	82	71	67
125-6T/9-20	58	69	83	87	87	85	74	70

Dimensions mm

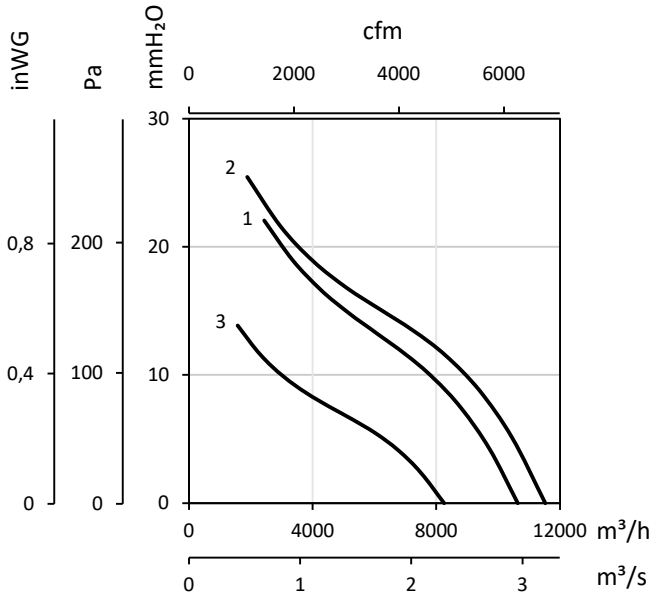


	A	B	C	D	F	G	H	ØI
HTMH/ATEX-56	650	185	425	40	960	900	750	14
HTMH/ATEX-63	680	215	425	40	1092	1000	850	14
HTMH/ATEX-71	759	195	524	40	1123	1000	850	14
HTMH/ATEX-80	790	215	524	50	1249	1150	1000	14
HTMH/ATEX-90	919	231	638	50	1380	1150	1000	14
HTMH/ATEX-100	1054	255	749	50	1530	1250	1100	14
HTMH/ATEX-125	1170	311	809	50	1803	1425	1275	17

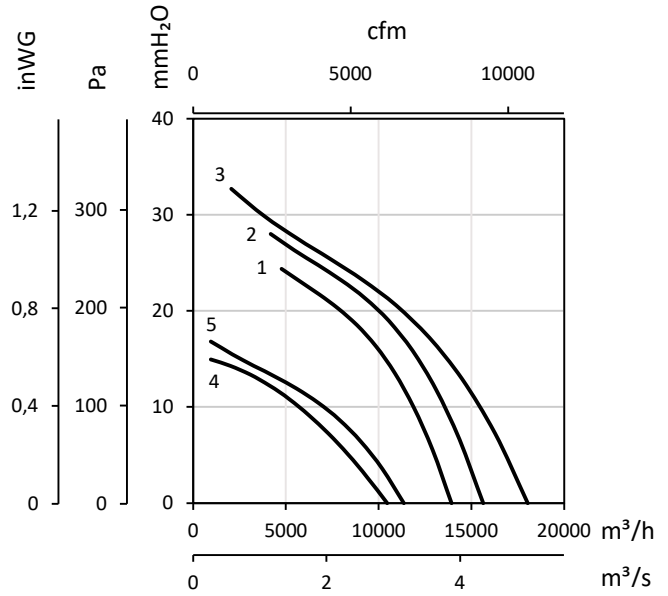
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

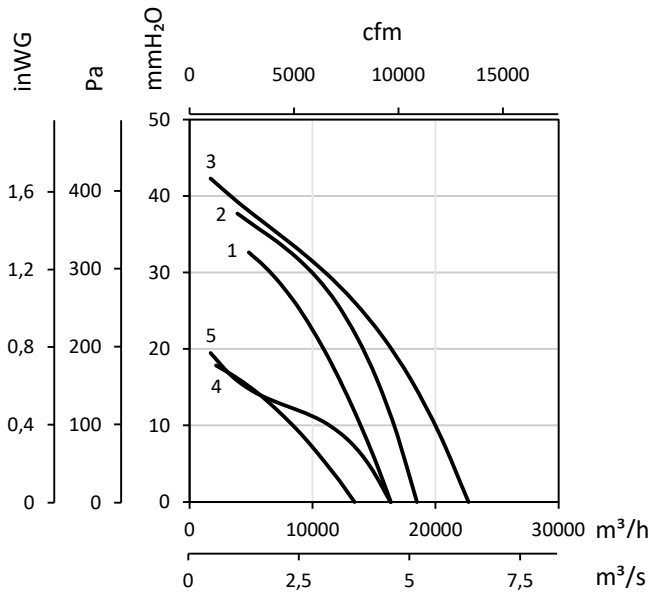
Pe= Static pressure in mm H₂O, Pa and inWG



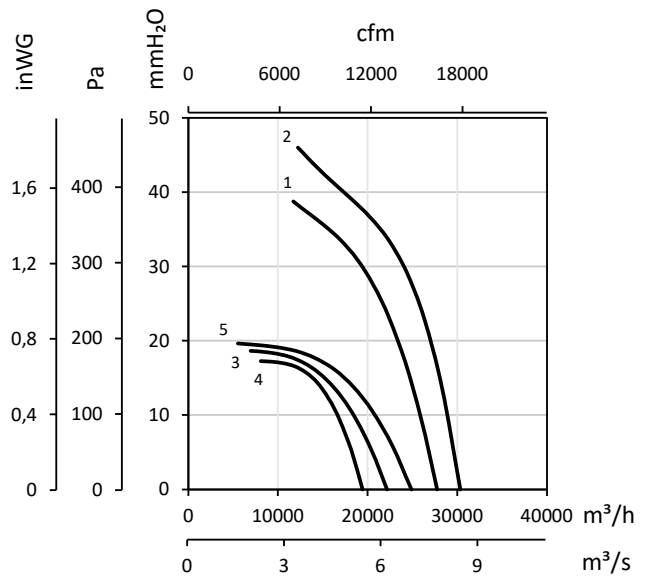
- 1 : HTMH/ATEX-56-4T-1
- 2 : HTMH/ATEX-56-4T-1.5
- 3 : HTMH/ATEX-56-6T-0.75



- 1 : HTMH/ATEX-63-4T-1.5
- 2 : HTMH/ATEX-63-4T-2
- 3 : HTMH/ATEX-63-4T-3
- 4 : HTMH/ATEX-63-6T-0.75
- 5 : HTMH/ATEX-63-6T-1



- 1 : HTMH/ATEX-71-4T-2
- 2 : HTMH/ATEX-71-4T-3
- 3 : HTMH/ATEX-71-4T-4
- 4 : HTMH/ATEX-71-6T-1
- 5 : HTMH/ATEX-71-6T-1.5

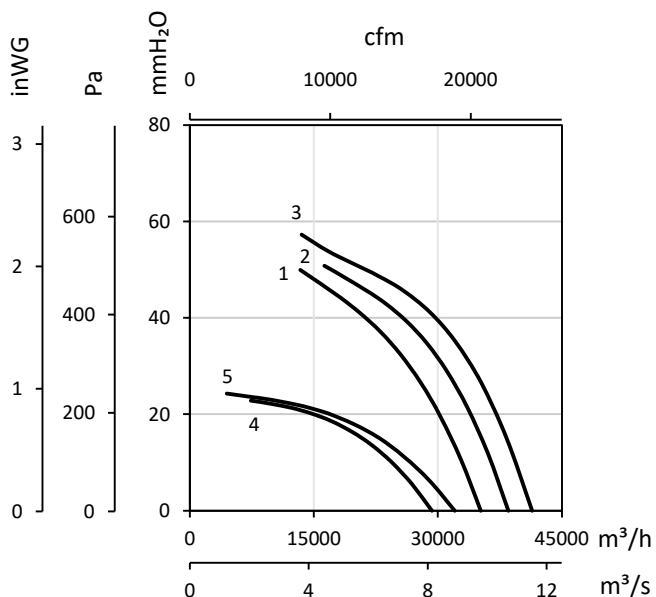


- 1 : HTMH/ATEX-80-4T-4
- 2 : HTMH/ATEX-80-4T-5.5
- 3 : HTMH/ATEX-80-6T-1.5
- 4 : HTMH/ATEX-80-6T-2
- 5 : HTMH/ATEX-80-6T-3

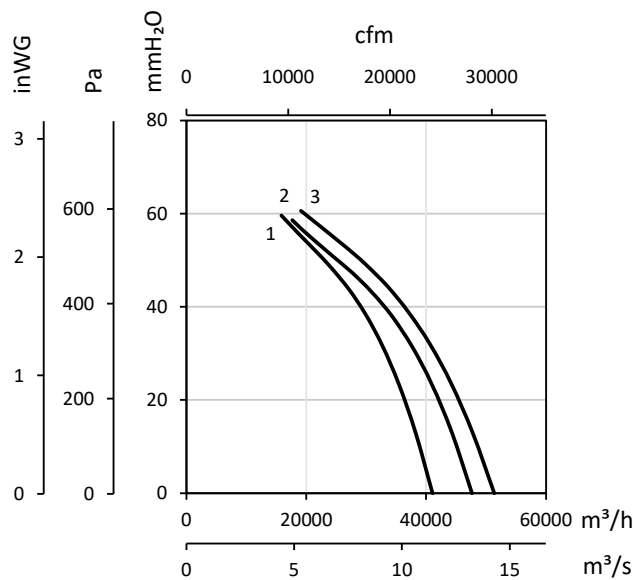
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

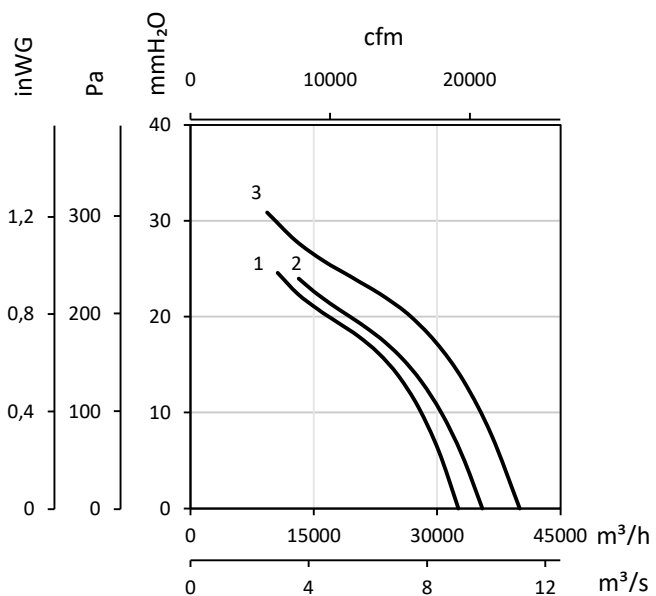
Pe= Static pressure in mm H₂O, Pa and inwg



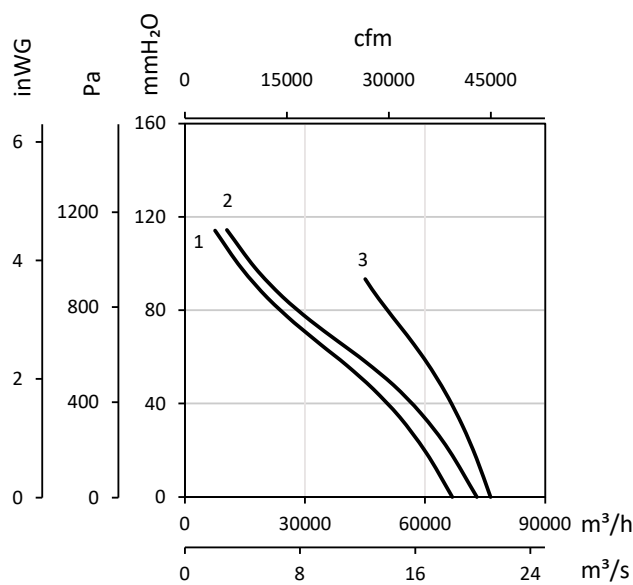
- 1 : HTMH/ATEX-90-4T-5.5
- 2 : HTMH/ATEX-90-4T-7.5
- 3 : HTMH/ATEX-90-4T-10
- 4 : HTMH/ATEX-90-6T-3
- 5 : HTMH/ATEX-90-6T-4



- 1 : HTMH/ATEX-100-4T-7.5
- 2 : HTMH/ATEX-100-4T-10
- 3 : HTMH/ATEX-100-4T-15



- 1 : HTMH/ATEX-100-6T-3
- 2 : HTMH/ATEX-100-6T-4
- 3 : HTMH/ATEX-100-6T-5.5

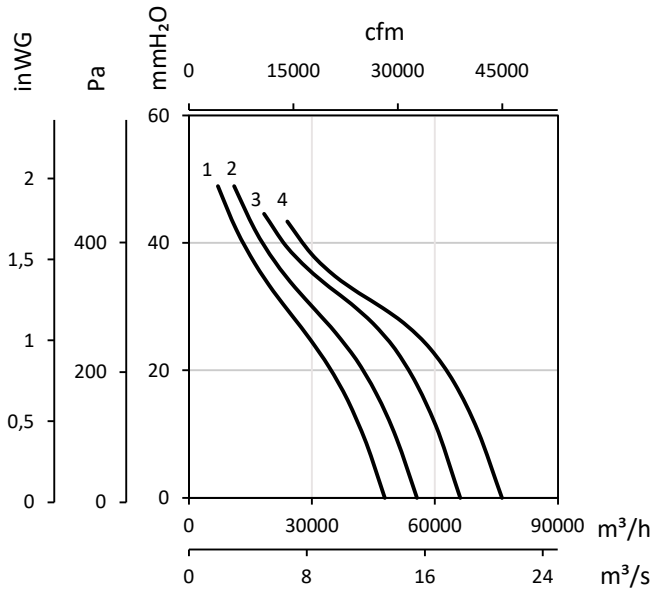


- 1 : HTMH/ATEX-125-4T/6-15
- 2 : HTMH/ATEX-125-4T/6-20
- 3 : HTMH/ATEX-125-4T/9-20

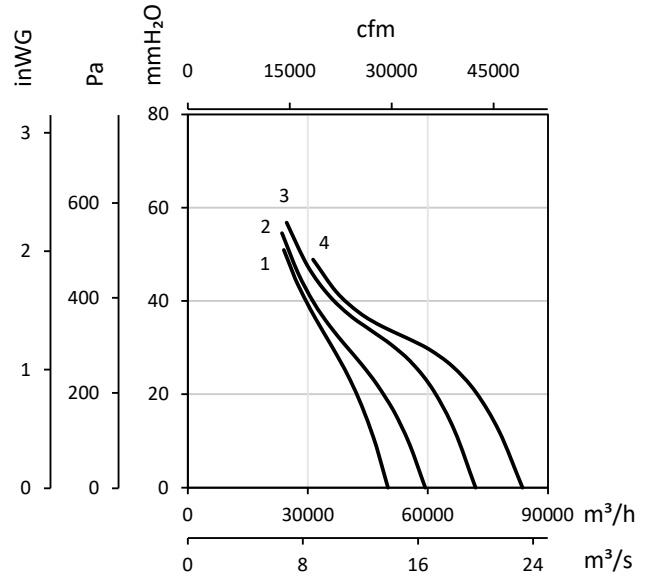
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Pe= Static pressure in mm H₂O, Pa and inwg



- 1 : HTMH/ATEX-125-6T/6-5.5
- 2 : HTMH/ATEX-125-6T/6-7.5
- 3 : HTMH/ATEX-125-6T/6-10
- 4 : HTMH/ATEX-125-6T/6-15



- 1 : HTMH/ATEX-125-6T/9-7.5
- 2 : HTMH/ATEX-125-6T/9-10
- 3 : HTMH/ATEX-125-6T/9-15
- 4 : HTMH/ATEX-125-6T/9-20

Accessories



INT/ATEX



R



PV



BTUB



MS



PA



BS



BSS



PT



OP



S