

HTMF

400 °C/2h (F400) and 300 °C/2h (F300) roof mounted multifunctional extract fans



400 °C/2h and 300 °C/2h rated roof mounted multifunctional extract fans for work in fire risk zones, designed for smoke extraction in industrial or similar buildings.

Fan:

- Support base in painted galvanized steel sheet.
- Adjustable cast aluminum impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.
- Cap in painted galvanized steel sheet, with natural air outlet. Approval according to EN 12101-3, with certifications No. 0370-CPR 0544 (F400) and 0370-CPR-3073 (F300).

Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings, IP55 protection and 1 or 2 speeds, depending on model.

- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -20 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.

Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

Order code

From size 56 to size 100

HTMF	—	63	—	4T	—	2	—	F400
HTMF: 400 °C/2h (F400) and 300 °C/2h (F300) roof mounted multifunctional extract fans		Impeller diameter in cm		Number of motor poles 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz 8=750 r/min 50 Hz 12=500 r/min 50 Hz	T = Three-phase	Motor power (HP)		F300: 300 °C/2h approved F400: 400 °C/2h approved

Size 125

HTMF-THT	—	125	—	4T	/	6	—	20	—	F400
HTMF: 400 °C/2h (F400) and 300 °C/2h (F300) roof mounted multifunctional extract fans		Impeller diameter in cm		Number of motor poles 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz 8=750 r/min 50 Hz	T = Three-phase	Number of blades: 6 blades 9 blades		Motor power (HP)		F300: 300 °C/2h approved F400: 400 °C/2h approved

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level¹ dB (A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
HTMF-56-4T-1 IE3	1410	3.08	1.79		0.75	10640	54	51	79
HTMF-56-4T-1.5 IE3	1430	4.10	2.37		1.10	11530	55	52	79
HTMF-56-4/8T-1.5	1420 / 695		2.69 / 1.12		1.10 / 0.25	11530 / 5620	55 / 39	52 / 36	79
HTMF-56-6T-0.75	930	2.90	1.75		0.55	8255	43	41	80
HTMF-63-4T-1.5 IE3	1430	4.10	2.37		1.10	13930	57	54	94
HTMF-63-4/8T-1.5	1420 / 695		2.69 / 1.12		1.10 / 0.25	13930 / 6800	57 / 41	54 / 38	94
HTMF-63-4T-2 IE3	1435	5.89	3.38		1.50	15630	58	55	96
HTMF-63-4/8T-2	1430 / 725		3.40 / 1.65		1.50 / 0.30	15630 / 7900	58 / 43	55 / 40	106
HTMF-63-4T-3 IE3	1450	7.86	4.52		2.20	18045	59	56	108
HTMF-63-4/8T-3	1430 / 705		4.80 / 1.85		2.20 / 0.45	18045 / 8900	59 / 44	56 / 41	112
HTMF-63-6T-0.75	930	2.90	1.75		0.55	10449	48	46	95
HTMF-63-6T-1 IE3	935	3.36	1.93		0.75	11355	49	47	95
HTMF-71-4T-2 IE3	1435	5.89	3.38		1.50	16370	61	58	109
HTMF-71-4/8T-2	1430 / 725		3.40 / 1.65		1.50 / 0.30	16370 / 8270	61 / 46	58 / 43	119
HTMF-71-4T-3 IE3	1450	7.86	4.52		2.20	18490	63	60	122
HTMF-71-4/8T-3	1430 / 705		4.80 / 1.85		2.20 / 0.45	18490 / 9120	63 / 48	60 / 45	125
HTMF-71-4T-4 IE3	1455	11.01	6.33		3.00	22685	64	61	133
HTMF-71-4/8T-4	1420 / 710		6.45 / 2.28		3.00 / 0.60	22685 / 11300	64 / 49	61 / 46	135
HTMF-71-6T-1 IE3	935	3.36	1.93		0.75	13410	50	48	109
HTMF-71-6T-1.5 IE3	930	4.73	2.72		1.10	16340	51	49	116
HTMF-80-4T-4 IE3	1455	11.01	6.33		3.00	27750	65	62	163
HTMF-80-4/8T-4	1420 / 710		6.45 / 2.28		3.00 / 0.60	27750 / 13820	65 / 50	62 / 47	165
HTMF-80-4T-5.5 IE3	1445		7.95	4.61	4.00	30330	66	63	163
HTMF-80-4/8T-5.5	1450 / 715		7.88 / 2.87		3.80 / 1.00	30330 / 14950	66 / 51	63 / 48	195
HTMF-80-6T-1.5 IE3	930	4.73	2.72		1.10	19435	54	52	181
HTMF-80-6T-2 IE3	950	6.25	3.62		1.50	22165	55	53	185
HTMF-80-6T-3 IE3	960	9.78	5.62		2.20	24890	56	54	191
HTMF-80-8T-1	710	5.06	2.92		0.75	16375	53	52	151
HTMF-90-4T-5.5 IE3	1445		7.95	4.61	4.00	35200	71	68	208
HTMF-90-4/8T-5.5	1450 / 715		7.88 / 2.87		3.80 / 1.00	35200 / 17360	71 / 56	68 / 53	238
HTMF-90-4T-7.5 IE3	1455		10.40	6.04	5.50	38535	73	70	240
HTMF-90-4/8T-7.5	1450 / 720		11.40 / 3.86		5.50 / 1.10	38535 / 19130	73 / 58	70 / 55	243
HTMF-90-4T-10 IE3	1460		14.20	8.17	7.50	41410	74	71	244
HTMF-90-4/8T-10	1450 / 720		15.10 / 5.16		7.50 / 1.50	41410 / 20560	74 / 59	71 / 56	243
HTMF-90-6T-3 IE3	960	9.78	5.62		2.20	29290	60	58	205
HTMF-90-6/12T-3	900 / 455		5.62 / 3.32		2.20 / 0.55	29290 / 14800	60 / 45	58 / 43	245
HTMF-90-6T-4 IE3	970	12.80	6.36		3.00	32040	61	59	235
HTMF-90-6/12T-4	900 / 450		7.37 / 3.53		2.80 / 0.70	32040 / 16020	61 / 46	59 / 44	245
HTMF-90-8T-1	710	5.06	2.92		0.75	17060	53	52	196
HTMF-90-8T-2	700	7.32	4.21		1.50	19635	55	54	208
HTMF-100-4T-7.5 IE3	1455		10.40	6.04	5.50	41060	76	73	265
HTMF-100-4/8T-7.5	1450 / 720		11.40 / 3.86		5.50 / 1.10	41060 / 20390	76 / 61	73 / 58	269
HTMF-100-4T-10 IE3	1460		14.20	8.17	7.50	47645	77	74	269
HTMF-100-4/8T-10	1450 / 720		15.10 / 5.16		7.50 / 1.50	44590 / 22140	76 / 61	73 / 58	269
HTMF-100-4T-15 IE3	1460		20.70	11.99	11.00	51375	78	75	332
HTMF-100-4/8T-14	1460 / 725		20.70 / 7.19		11.00 / 3.00	48400 / 24000	77 / 62	74 / 59	301
HTMF-100-6T-3 IE3	960	9.78	5.62		2.20	32600	66	64	231
HTMF-100-6/12T-3	900 / 455		5.62 / 3.32		2.20 / 0.55	32600 / 16470	66 / 51	64 / 49	271
HTMF-100-6T-4 IE3	970	12.80	6.36		3.00	35500	67	65	260
HTMF-100-6/12T-4	900 / 450		7.37 / 3.53		2.80 / 0.70	35500 / 17750	67 / 52	65 / 50	271
HTMF-100-6T-5.5 IE3	970		8.37	4.82	4.00	40035	68	66	277
HTMF-100-6/12T-5.5	900 / 445		9.54 / 4.27		3.80 / 1.00	40035 / 19710	68 / 53	66 / 51	289
HTMF-100-8T-3	705	9.30	5.35		2.20	26600	61	60	260
HTMF-100-8T-4	705	12.50	7.21		3.00	28900	62	61	270

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level¹ dB (A)		Approx. weight (Kg)
		230V	400V	690V			Inlet	Exhaust	
HTMF-THT-125-4T/6-15 IE3	1460		20.70	11.99	11.00	66810	69	66	388
HTMF-THT-125-4T/6-20 IE3	1460		27.80	16.03	15.00	72900	69	66	410
HTMF-THT-125-4T/9-20 IE3	1460		27.80	16.03	15.00	76320	68	64	425
HTMF-THT-125-6T/6-5.5 IE3	970		8.37	4.82	4.00	47770	56	54	347
HTMF-THT-125-6T/6-7.5 IE3	970		12.30	7.07	5.50	55600	56	54	384
HTMF-THT-125-6T/6-10 IE3	970		15.20	8.83	7.50	66180	58	56	393
HTMF-THT-125-6T/6-15 IE3	970		22.50	13.07	11.00	76380	60	58	415
HTMF-THT-125-6T/9-7.5 IE3	970		12.30	7.07	5.50	50000	57	55	399
HTMF-THT-125-6T/9-10 IE3	970		15.20	8.83	7.50	59340	57	55	408
HTMF-THT-125-6T/9-15 IE3	970		22.50	13.07	11.00	71890	60	58	430
HTMF-THT-125-6T/9-20 IE3	970		29.00	16.78	15.00	83660	63	61	475
HTMF-THT-125-8T/6-4	705	12.50	7.21		3.00	47510	48	47	384
HTMF-THT-125-8T/6-5.5	720		9.84	5.70	4.00	52780	50	49	404
HTMF-THT-125-8T/6-7.5	720		13.17	7.59	5.50	60410	52	51	416
HTMF-THT-125-8T/6-10	720		17.40	10.10	7.50	66030	53	52	424
HTMF-THT-125-8T/9-5.5	720		9.84	5.70	4.00	51340	50	49	419
HTMF-THT-125-8T/9-7.5	720		13.17	7.59	5.50	54490	53	52	431
HTMF-THT-125-8T/9-10	720		17.40	10.10	7.50	65670	55	54	439
HTMF-THT-125-8T/9-15	730		23.30	13.50	11.00	73880	56	55	472

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



Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Acoustic characteristics

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
56-4-1	46	67	74	79	82	78	71	60
56-4-1.5	47	68	75	80	83	79	72	61
56-8-1.5 (2V)	31	52	59	64	67	63	56	45
56-6-0.75	35	56	63	68	71	67	60	49
63-4-1.5	49	70	77	82	85	81	74	63
63-8-1.5 (2V)	33	54	61	66	69	65	58	47
63-4-2	50	71	78	83	86	82	75	64
63-8-2 (2V)	35	56	63	68	71	67	60	49
63-4-3	51	72	79	84	87	83	76	65
63-8-3 (2V)	36	57	64	69	72	68	61	50
63-6-0.75	40	61	68	73	76	72	65	54
63-6-1	41	62	69	74	77	73	66	55
71-4-2	53	74	81	86	89	85	78	67
71-8-2 (2V)	38	59	66	71	74	70	63	52
71-4-3	55	76	83	88	91	87	80	69
71-8-3 (2V)	40	61	68	73	76	72	65	54
71-4-4	56	77	84	89	92	88	81	70
71-8-4 (2V)	41	62	69	74	77	73	66	55
71-6-1	42	63	70	75	78	74	67	56
71-6-1.5	43	64	71	76	79	75	68	57
80-4-4	57	78	85	90	93	89	82	71
80-8-4 (2V)	42	63	70	75	78	74	67	56
80-4-5.5	58	79	86	91	94	90	83	72
80-8-5.5 (2V)	43	64	71	76	79	75	68	57
80-6-1.5	46	67	74	79	82	78	71	60
80-6-2	47	68	75	80	83	79	72	61

Values measured at exhaust with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
56-4-1	43	64	71	76	79	75	68	57
56-4-1.5	44	65	72	77	80	76	69	58
56-8-1.5 (2V)	28	49	56	61	64	60	53	42
56-6-0.75	33	54	61	66	69	65	58	47
63-4-1.5	46	67	74	79	82	78	71	60
63-8-1.5 (2V)	30	51	58	63	66	62	55	44
63-4-2	47	68	75	80	83	79	72	61
63-8-2 (2V)	32	53	60	65	68	64	57	46
63-4-3	48	69	76	81	84	80	73	62
63-8-3 (2V)	33	54	61	66	69	65	58	47
63-6-0.75	38	59	66	71	74	70	63	52
63-6-1	39	60	67	72	75	71	64	53
71-4-2	50	71	78	83	86	82	75	64
71-8-2 (2V)	35	56	63	68	71	67	60	49
71-4-3	52	73	80	85	88	84	77	66
71-8-3 (2V)	37	58	65	70	73	69	62	51
71-4-4	53	74	81	86	89	85	78	67
71-8-4 (2V)	38	59	66	71	74	70	63	52
71-6-1	40	61	68	73	76	72	65	54
71-6-1.5	41	62	69	74	77	73	66	55
80-4-4	54	75	82	87	90	86	79	68
80-8-4 (2V)	39	60	67	72	75	71	64	53
80-4-5.5	55	76	83	88	91	87	80	69
80-8-5.5 (2V)	40	61	68	73	76	72	65	54
80-6-1.5	44	65	72	77	80	76	69	58
80-6-2	45	66	73	78	81	77	70	59

Acoustic characteristics

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

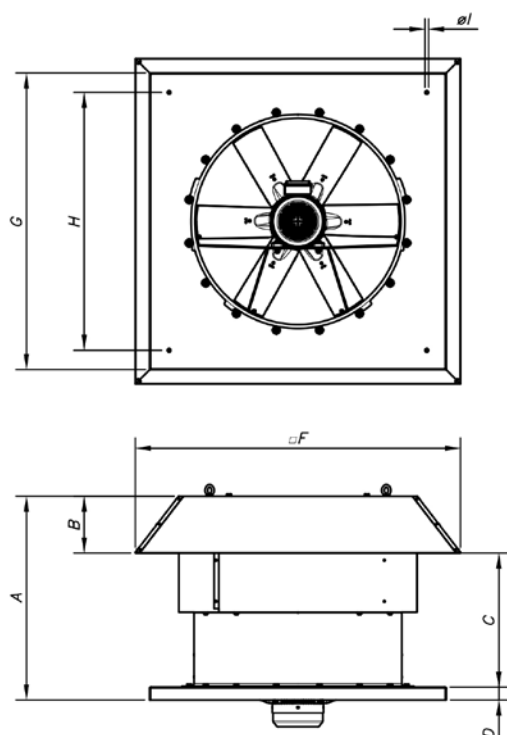
Values measured at inlet with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
80-6-3	48	69	76	81	84	80	73	62
80-8-1	45	66	73	78	81	77	70	59
90-4-5.5	63	84	91	96	99	95	88	77
90-8-5.5 (2V)	48	69	76	81	84	80	73	62
90-4-7.5	65	86	93	98	101	97	90	79
90-8-7.5 (2V)	50	71	78	83	86	82	75	64
90-4-10	66	87	94	99	102	98	91	80
90-8-10 (2V)	51	72	79	84	87	83	76	65
90-6-3	52	73	80	85	88	84	77	66
90-12-3 (2V)	37	58	65	70	73	69	62	51
90-6-4	53	74	81	86	89	85	78	67
90-12-4 (2V)	38	59	66	71	74	70	63	52
90-8-1	45	66	73	78	81	77	70	59
90-8-2	47	68	75	80	83	79	72	61
100-4-7.5	68	89	96	101	104	100	93	82
100-8-7.5 (2V)	53	74	81	86	89	85	78	67
100-4-10	68	89	96	101	104	100	93	82
100-8-10 (2V)	53	74	81	86	89	85	78	67
100-4-14	69	90	97	102	105	101	94	83
100-8-14 (2V)	54	75	82	87	90	86	79	68
100-4-15	70	91	98	103	106	102	95	84
100-6-3	58	79	86	91	94	90	83	72
100-12-3 (2V)	43	64	71	76	79	75	68	57
100-6-4	59	80	87	92	95	91	84	73
100-12-4 (2V)	44	65	72	77	80	76	69	58
100-6-5.5	60	81	88	93	96	92	85	74
100-12-5.5 (2V)	45	66	73	78	81	77	70	59
100-8-3	53	74	81	86	89	85	78	67
100-8-4	54	75	82	87	90	86	79	68
125-4/6-15	63	72	87	94	97	91	85	81
125-4/6-20	63	72	87	94	97	91	85	81
125-4/9-20	62	71	87	93	95	89	84	80
125-6/6-5.5	56	66	78	81	83	79	68	64
125-6/6-7.5	56	66	78	81	83	79	68	64
125-6/6-10	58	68	80	83	85	81	70	66
125-6/6-15	60	70	82	85	87	83	72	68
125-6/9-7.5	54	65	79	83	83	81	70	66
125-6/9-10	54	65	79	83	83	81	70	66
125-6/9-15	57	68	82	86	86	84	73	69
125-6/9-20	60	71	85	89	89	87	76	72
125-8/6-4	50	59	70	75	75	69	58	54
125-8/6-5.5	52	61	72	77	77	71	60	56
125-8/6-7.5	54	63	74	79	79	73	62	58
125-8/6-10	55	64	75	80	80	74	63	59
125-8/9-5.5	49	61	70	76	78	72	61	57
125-8/9-7.5	52	64	73	79	81	75	64	60
125-8/9-10	54	66	75	81	83	77	66	62
125-8/9-15	55	67	76	82	84	78	67	63

Values measured at exhaust with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
80-6-3	46	67	74	79	82	78	71	60
80-8-1	44	65	72	77	80	76	69	58
90-4-5.5	60	81	88	93	96	92	85	74
90-8-5.5 (2V)	45	66	73	78	81	77	70	59
90-4-7.5	62	83	90	95	98	94	87	76
90-8-7.5 (2V)	47	68	75	80	83	79	72	61
90-4-10	63	84	91	96	99	95	88	77
90-8-10 (2V)	48	69	76	81	84	80	73	62
90-6-3	50	71	78	83	86	82	75	64
90-12-3 (2V)	35	56	63	68	71	67	60	49
90-6-4	51	72	79	84	87	83	76	65
90-12-4 (2V)	36	57	64	69	72	68	61	50
90-8-1	44	65	72	77	80	76	69	58
90-8-2	46	67	74	79	82	78	71	60
100-4-7.5	65	86	93	98	101	97	90	79
100-8-7.5 (2V)	50	71	78	83	86	82	75	64
100-4-10	65	86	93	98	101	97	90	79
100-8-10 (2V)	50	71	78	83	86	82	75	64
100-4-14	66	87	94	99	102	98	91	80
100-8-14 (2V)	51	72	79	84	87	83	76	65
100-4-15	67	88	95	100	103	99	92	81
100-6-3	56	77	84	89	92	88	81	70
100-12-3 (2V)	41	62	69	74	77	73	66	55
100-6-4	57	78	85	90	93	89	82	71
100-12-4 (2V)	42	63	70	75	78	74	67	56
100-6-5.5	58	79	86	91	94	90	83	72
100-12-5.5 (2V)	43	64	71	76	79	75	68	57
100-8-3	52	73	80	85	88	84	77	66
100-8-4	53	74	81	86	89	85	78	67
125-4/6-15	60	69	84	91	94	88	82	78
125-4/6-20	60	69	84	91	94	88	82	78
125-4/9-20	59	68	84	90	92	86	81	77
125-6/6-5.5	54	64	76	79	81	77	66	62
125-6/6-7.5	54	64	76	79	81	77	66	62
125-6/6-10	56	66	78	81	83	79	68	64
125-6/6-15	58	68	80	83	85	81	70	66
125-6/9-7.5	52	63	77	81	81	79	68	64
125-6/9-10	52	63	77	81	81	79	68	64
125-6/9-15	55	66	80	84	84	82	71	67
125-6/9-20	58	69	83	87	87	85	74	70
125-8/6-4	49	58	69	74	74	68	57	53
125-8/6-5.5	51	60	71	76	76	70	59	55
125-8/6-7.5	53	62	73	78	78	72	61	57
125-8/6-10	54	63	74	79	79	73	62	58
125-8/9-5.5	48	60	69	75	77	71	60	56
125-8/9-7.5	51	63	72	78	80	74	63	59
125-8/9-10	53	65	74	80	82	76	65	61
125-8/9-15	54	66	75	81	83	77	66	62

Dimensions mm

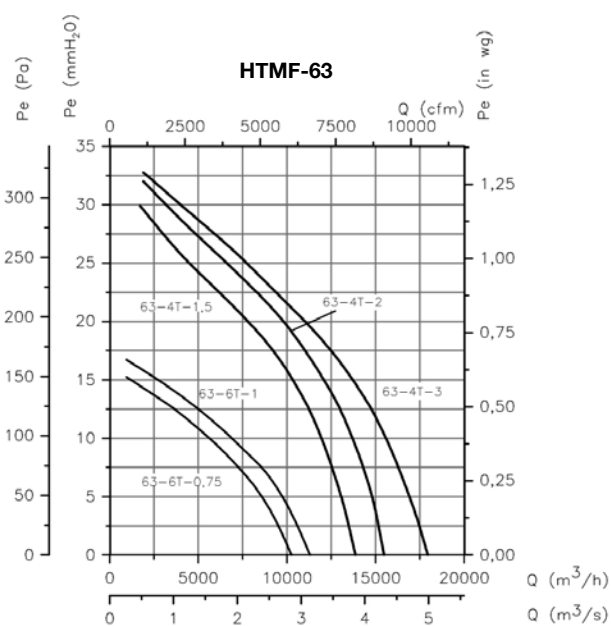
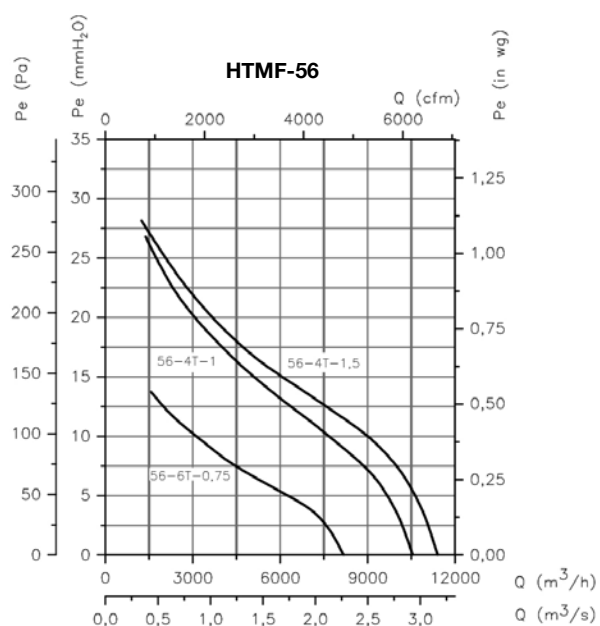


	A	B	C	D	F	G	H	ØI
HTMF-56	650	185	425	40	960	900	750	14
HTMF-63	680	215	425	40	1092	1000	850	14
HTMF-71	759	195	524	40	1120	1000	850	14
HTMF-80	790	216	524	50	1252	1150	1000	14
HTMF-90	920	232	638	50	1380	1150	1000	14
HTMF-100	1055	252	753	50	1527	1250	1100	14
HTMF-125	1170	311	809	50	1803	1425	1275	17

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

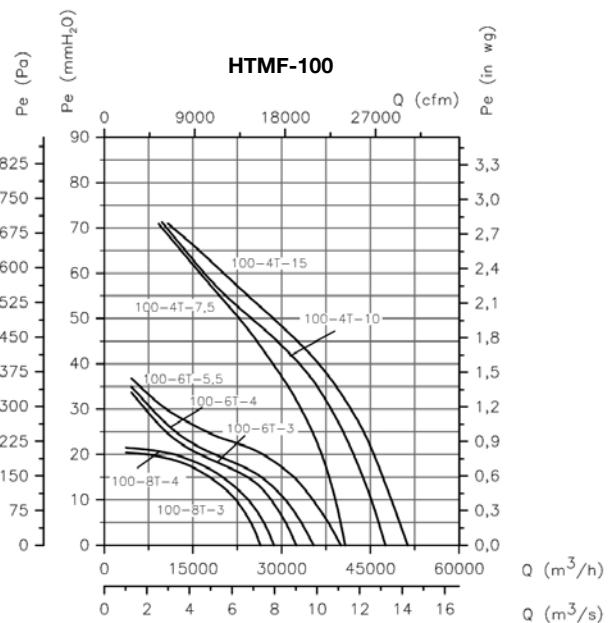
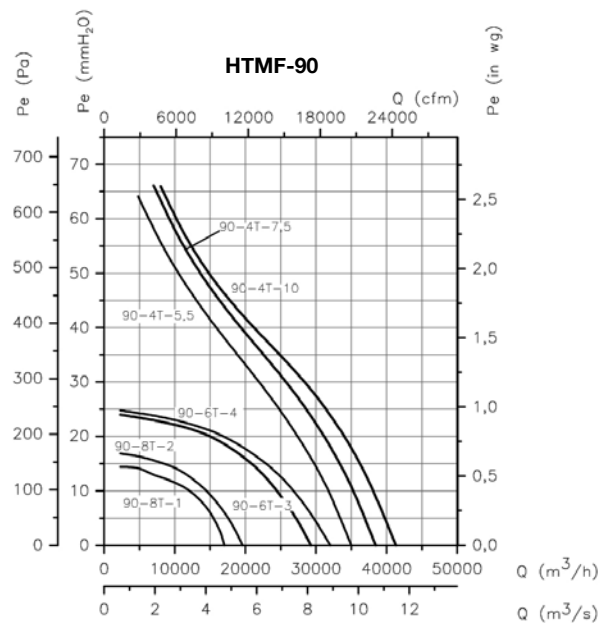
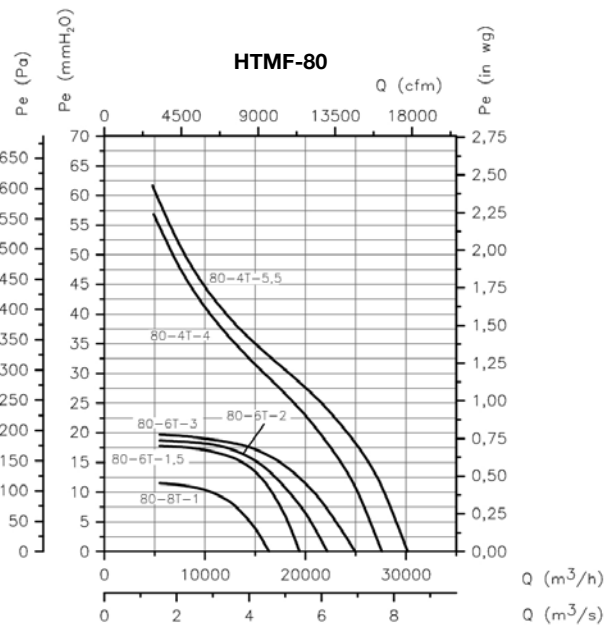
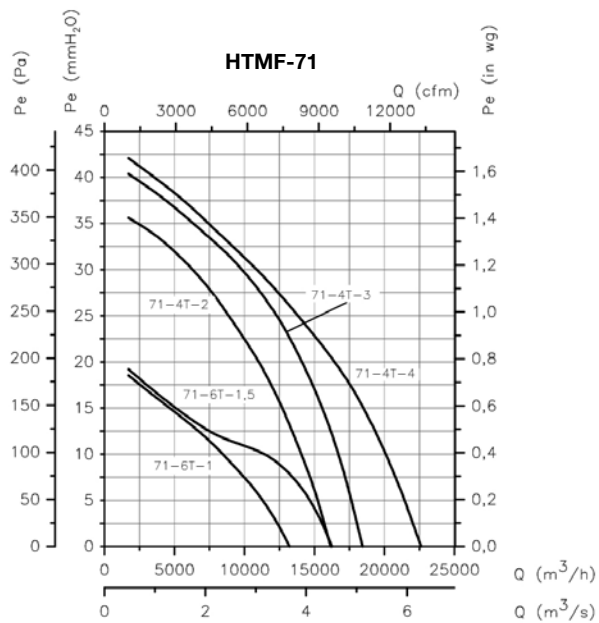
Pe= Static pressure in mm H₂O, Pa and in wg



Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

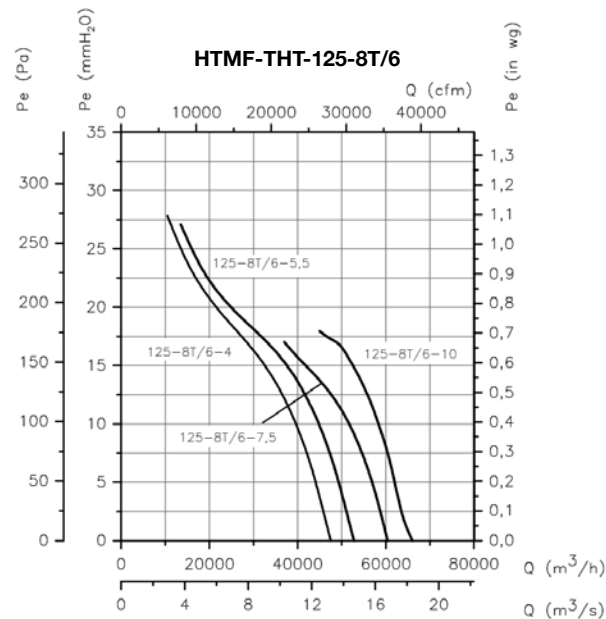
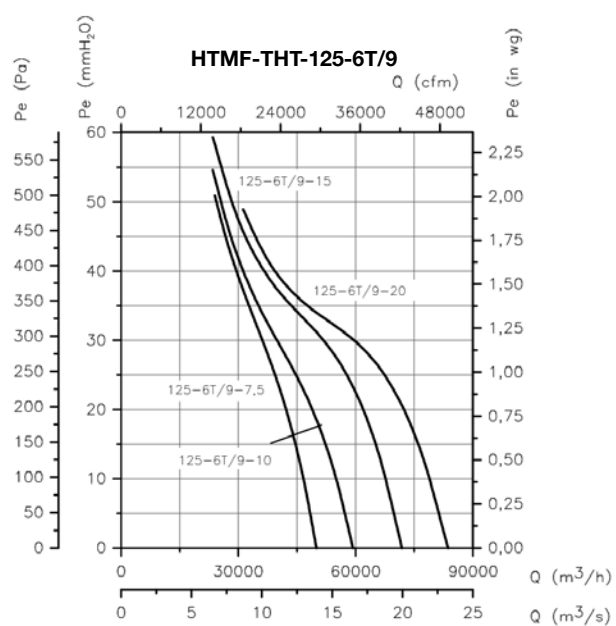
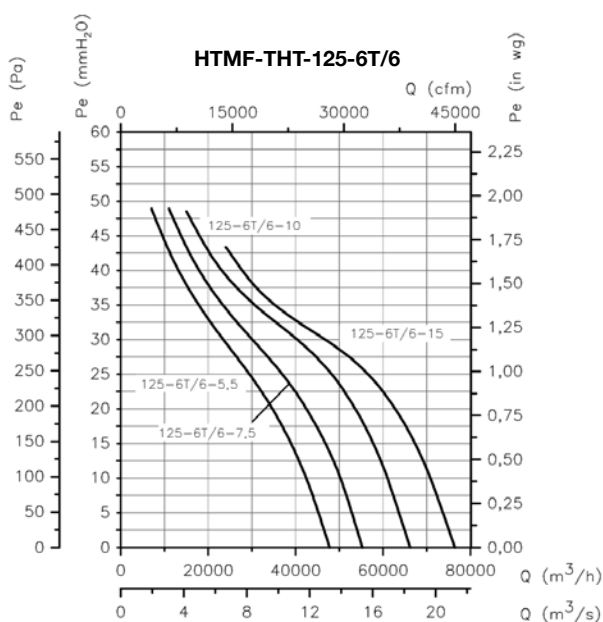
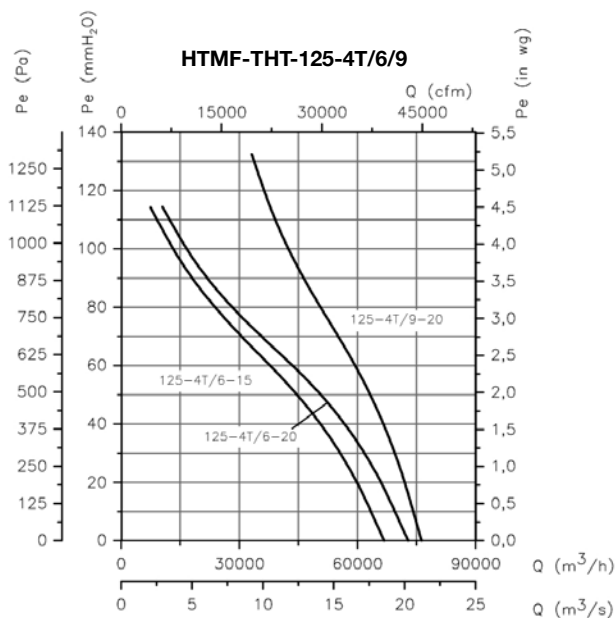
Pe= Static pressure in mm H₂O, Pa and inwg



Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

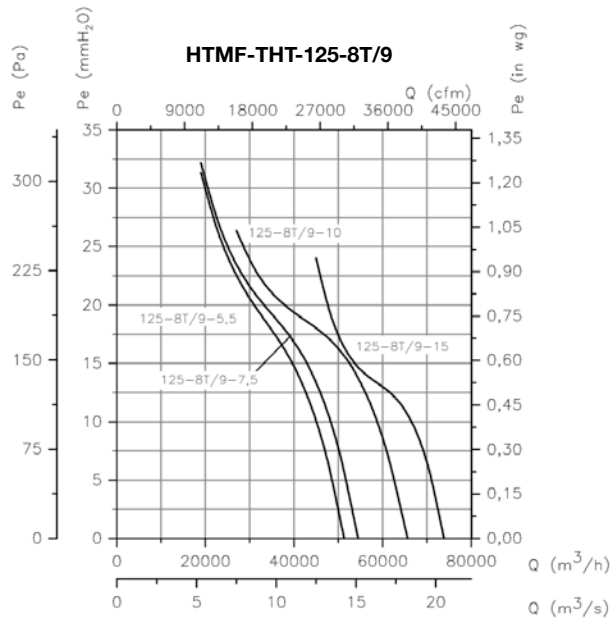
Pe= Static pressure in mm H₂O, Pa and inwg



Characteristic curves

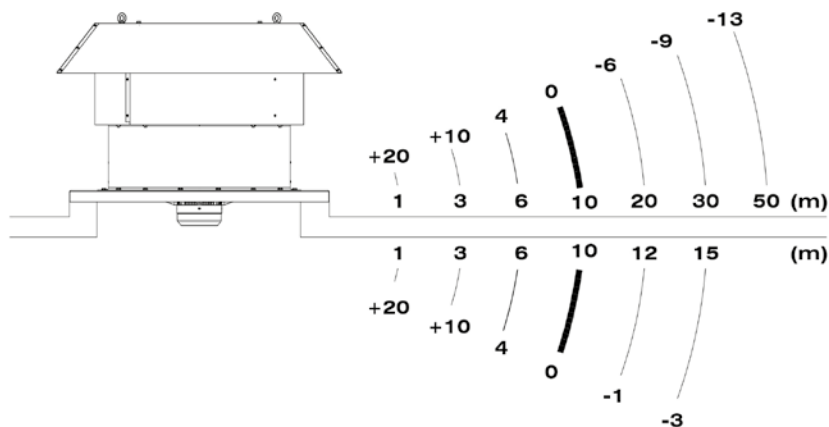
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg



Sound pressure variation depending on distance

The noise level may vary depending on the roof or tile structure.



Accessories

