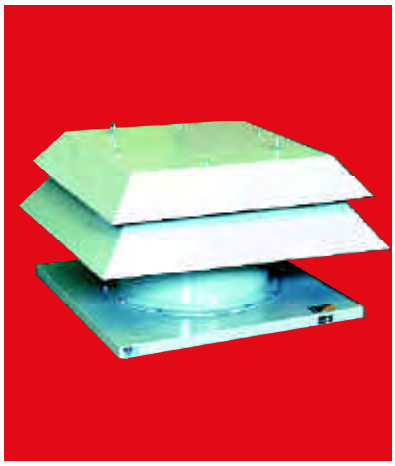

HTMF

Multifunctional 400ºC/2h roof extractor

400ºC/2h Inmerso

Construction characteristics

- THT series fans certified for smoke extraction. 400ºC/2h by LGAI, according to European standard EN-12101-3.
- Cold laminated steel base-plate.
- Protection guard against birds, meets standard DIN-24167.
- Cowl in cold laminated steel, with natural air vent.
- Three-phase 50 Hz motors, with IP-55 protection, certified by LGAI or CTICM, with ONE or TWO-speed modes, depending on the model.
- Anticorrosive finish in polyester resin, polymerised at 180ºC, after degreasing, phosphating and passivation pre-treatment.
- On request:
  - ONE or TWO speed motors for temperatures of 200ºC/2h.
  - Safety switch standardised to 200ºC/2h, IAT-200 series, built into the extractor.

Applications:

- Smoke can be easily and efficiently evacuated (400ºC/2h) in case of fire, connecting the fan in the HIGH SPEED mode.
- To obtain the best heat and contaminated air extraction during the summer months, the fan must be connected in the LOW SPEED mode.
- During the winter months, when such a high degree of ventilation is not necessary, a natural ventilation system due to pressure differential can be used. Therefore, heat is discharged through the openings of the cowl as a consequence of the difference in pressure between the inside and outside of the building. Said openings are designed to allow natural airflow with the minimum level of resistance.

Technical characteristics

Model	Velocity (r/min)	Max. admissible current 230V	400V (A)	690V	Installed power (kW)	Max. airflow (m3/h)	Sound level[1] pressure dB(A) Aspiration	Discharge	Approx. weight Kg.
HTMF-56-4T-1	1430	3,50	2,00		0,75	11100	62	59	78,9
HTMF-56-4T-1,5	1430	4,80	2,80		1,10	12000	63	60	78,9
HTMF-56-4/8T-1,5	1440 / 710		2,90 / 1,40		1,10 / 0,25	12000 / 6000	63 / 48	60 / 45	78,9
HTMF-56-6T-0,75	960	4,10	2,40		0,55	8600	51	49	79,9
HTMF-63-4T-1,5	1430	4,80	2,80		1,10	14600	65	62	93,5
HTMF-63-4/8T-1,5	1440 / 710		2,90 / 1,40		1,10 / 0,25	14600 / 7300	65 / 50	62 / 47	93,5
HTMF-63-4T-2	1420	6,20	3,60		1,50	16300	66	63	95,5
HTMF-63-4/8T-2	1415 / 715		3,60 / 1,50		1,50 / 0,30	16300 / 8150	66 / 51	63 / 48	105,6
HTMF-63-4T-3	1430	9,00	5,20		2,20	18900	67	64	108,1
HTMF-63-4/8T-3	1415 / 715		5,20 / 1,90		2,20 / 0,45	18900 / 9450	67 / 52	64 / 49	111,6
HTMF-63-6T-0,75	960	4,10	2,40		0,55	10800	56	54	94,5
HTMF-63-6T-1	950	4,70	2,70		0,75	11900	57	55	94,5
HTMF-71-4T-2	1420	6,20	3,60		1,50	17000	69	66	108,5
HTMF-71-4/8T-2	1415 / 715		3,60 / 1,50		1,50 / 0,30	17000 / 8500	69 / 54	66 / 51	119,0
HTMF-71-4T-3	1430	9,00	5,20		2,20	19400	71	68	121,5
HTMF-71-4/8T-3	1415 / 715		5,20 / 1,90		2,20 / 0,45	19400 / 9700	71 / 56	68 / 53	125,0
HTMF-71-4T-4	1430	11,80	6,80		3,00	23800	72	69	132,8
HTMF-71-4/8T-4	1425 / 710		6,80 / 2,20		3,00 / 0,60	23800 / 11900	72 / 57	69 / 54	134,8
HTMF-71-6T-1	950	4,70	2,70		0,75	13900	58	56	108,5
HTMF-71-6T-1,5	955	5,90	3,40		1,10	17100	59	57	115,5
HTMF-80-4T-4	1430	11,80	6,80		3,00	30000	73	70	162,5
HTMF-80-4/8T-4	1425 / 710		6,80 / 2,20		3,00 / 0,60	30000 / 15000	73 / 58	70 / 55	164,5
HTMF-80-4T-5,5	1435		8,40	4,80	4,00	32800	74	71	162,5
HTMF-80-4/8T-5,5	1455 / 725		9,30 / 3,40		4,00 / 0,80	32800 / 16400	74 / 59	71 / 56	194,6
HTMF-80-6T-1,5	955	5,90	3,40		1,10	21100	62	60	144,9
HTMF-80-6T-2	950	6,70	3,90		1,50	24100	63	61	147,5
HTMF-80-6T-3	935	9,50	5,50		2,20	27100	64	62	159,5
HTMF-80-8T-1	710	4,80	2,80		0,75	17800	61	60	150,9
HTMF-90-4T-5,5	1435		8,40	4,80	4,00	38100	79	76	208,0
HTMF-90-4/8T-5,5	1455 / 725		9,30 / 3,40		4,00 / 0,80	38100 / 19050	79 / 64	76 / 61	238,2
HTMF-90-4T-7,5	1460		12,60	7,30	5,50	41800	81	78	239,7
HTMF-90-4/8T-7,5	1455 / 725		12,80 / 4,60		5,50 / 1,10	41800 / 20900	81 / 66	78 / 63	243,2
HTMF-90-4T-10	1460		17,70	10,20	7,50	44900	82	79	243,7
HTMF-90-4/8T-9	1455 / 725		15,60 / 6,30		6,70 / 1,50	44900 / 22450	82 / 67	79 / 64	243,2
HTMF-90-6T-3	935	9,50	5,50		2,20	31800	68	66	205,0
HTMF-90-6/12T-3	975 / 450		6,30 / 2,20		2,20 / 0,37	31800 / 15900	68 / 53	66 / 51	245,2
HTMF-90-6T-4	970	13,50	7,80		3,00	34800	69	67	234,7
HTMF-90-6/12T-4	975 / 450		8,40 / 2,50		3,00 / 0,40	34800 / 17400	69 / 54	67 / 52	245,2

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Technical characteristics

Model	Velocity (r/min)	Max. admissible current 230V	400V (A)	690V	Installed power (kW)	Max. airflow (m3/h)	Sound level[1] pressure dB(A) Aspiration	Discharge	Approx. weight Kg.
HTMF-90-8T-1	710	4,80	2,80		0,75	18500	61	60	195,7
HTMF-90-8T-2	705	8,00	4,60		1,50	21300	63	62	208,0
HTMF-100-4T-7,5	1460		12,60	7,30	5,50	44300	84	81	265,2
HTMF-100-4/8T-7,5	1455 / 725		12,80/4,60		5,50/1,10	44300 / 22150	84/69	81 / 66	268,7
HTMF-100-4T-10	1460		17,70	10,20	7,50	51700	85	82	269,2
HTMF-100-4/8T-9	1455 / 725		15,60/6,30		6,70/1,50	48400 / 24200	84/69	81 / 66	268,7
HTMF-100-4T-15	1460		22,00	12,70	11,00	55800	86	83	332,3
HTMF-100-4/8T-14	1455 / 730		20,00/7,00		10,00/2,00	52500 / 26250	85/70	82 / 67	301,3
HTMF-100-6T-3	935	9,50	5,50		2,20	35300	74	72	231,0
HTMF-100-6/12T-3	975 / 450		6,30/2,20		2,20/0,37	35300 / 17650	74/59	72 / 57	270,7
HTMF-100-6T-4	970	13,50	7,80		3,00	38500	75	73	260,2
HTMF-100-6/12T-4	975 / 450		8,40/2,50		3,00/0,40	38500 / 19250	75/60	73 / 58	270,7
HTMF-100-6T-5,5	970		11,00	6,40	4,00	43500	76	74	277,2
HTMF-100-6/12T-5,5	975 / 450		10,50/5,00		4,00/0,80	43500 / 21750	76/61	74 / 59	289,0
HTMF-100-8T-3	705	10,40	6,00		2,20	28700	69	68	260,2
HTMF-100-8T-4	705	14,00	8,10		3,00	31200	70	69	270,2

(1) Sound level values are pressures in dB (A) measured free-field at 6 metres.

Acoustic characteristics

The values shown are calculated using free-field sound pressure levels in dB (A), at a distance equivalent to twice the fan span plus the impeller diameter, with a minimum of 6 m.

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

Values measured aspirating with maximum airflow.

Model	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
56-6	35	56	63	68	71	67	60	49
56-8	32	53	60	65	68	64	57	46
63-4-1,5	49	70	77	82	85	81	74	63
63-4-2	50	71	78	83	86	82	75	64
63-4-3	51	72	79	84	87	83	76	65
63-6-0,75	40	61	68	73	76	72	65	54
63-6-1	41	62	69	74	77	73	66	55
63-8-1,5	34	55	62	67	70	66	59	48
63-8-2	35	56	63	68	71	67	60	49
63-8-3	36	57	64	69	72	68	61	50
71-4-2	53	74	81	86	89	85	78	67
71-4-3	55	76	83	88	91	87	80	69
71-4-4	56	77	84	89	92	88	81	70
71-6-1	42	63	70	75	78	74	67	56
71-6-1,5	43	64	71	76	79	75	68	57
71-8-2	38	59	66	71	74	70	63	52
71-8-3	40	61	68	73	76	72	65	54
71-8-4	41	62	69	74	77	73	66	55
80-4-4	57	78	85	90	93	89	82	71
80-4-5,5	58	79	86	91	94	90	83	72
80-6-1,5	46	67	74	79	82	78	71	60
80-6-2	47	68	75	80	83	79	72	61
80-6-3	48	69	76	81	84	80	73	62
80-8-1	45	66	73	78	81	77	70	59
80-8-4	42	63	70	75	78	74	67	56
80-8-5,5	43	64	71	76	79	75	68	57
90-4-5,5	63	84	91	96	99	95	88	77
90-4-7,5	65	86	93	98	101	97	90	79
90-4-9	66	87	94	99	102	98	91	80
90-4-10	66	87	94	99	102	98	91	80
90-6-3	52	73	80	85	88	84	77	66
90-6-4	53	74	81	86	89	85	78	67
90-8-1	45	66	73	78	81	77	70	59
90-8-2	47	68	75	80	83	79	72	61
90-8-5,5	48	69	76	81	84	80	73	62
90-8-7,5	50	71	78	83	86	82	75	64
90-8-9	51	72	79	84	87	83	76	65
90-12-3	37	58	65	70	73	69	62	51
90-12-4	38	59	66	71	74	70	63	52
100-4-7,5	68	89	96	101	104	100	93	82
100-4-9	68	89	96	101	104	100	93	82
100-4-10	69	90	97	102	105	101	94	83
100-4-14	69	90	97	102	105	101	94	83
100-4-15	70	91	98	103	106	102	95	84
100-6-3	58	79	86	91	94	90	83	72
100-6-4	59	80	87	92	95	91	84	73
100-6-5,5	60	81	88	93	96	92	85	74
100-8-3	53	74	81	86	89	85	78	67
100-8-4	54	75	82	87	90	86	79	68
100-8-7,5	53	74	81	86	89	85	78	67
100-8-9	53	74	81	86	89	85	78	67
100-8-14	54	75	82	87	90	86	79	68
100-12-3	43	64	71	76	79	75	68	57
100-12-4	44	65	72	77	80	76	69	58
100-12-5,5	45	66	73	78	81	77	70	59

Values measured at discharge with maximum airflow.

Model	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
56-6	33	54	61	66	69	65	58	47
56-8	29	50	57	62	65	61	54	43
63-4-1,5	46	67	74	79	82	78	71	60
63-4-2	47	68	75	80	83	79	72	61
63-4-3	48	69	76	81	84	80	73	62
63-6-0,75	38	59	66	71	74	70	63	52
63-6-1	39	60	67	72	75	71	64	53
63-8-1,5	31	52	59	64	67	63	56	45
63-8-2	32	53	60	65	68	64	57	46
63-8-3	33	54	61	66	69	65	58	47
71-4-2	50	71	78	83	86	82	75	64
71-4-3	52	73	80	85	88	84	77	66
71-4-4	53	74	81	86	89	85	78	67
71-6-1	40	61	68	73	76	72	65	54
71-6-1,5	41	62	69	74	77	73	66	55
71-8-2	35	56	63	68	71	67	60	49
71-8-3	37	58	65	70	73	69	62	51
71-8-4	38	59	66	71	74	70	63	52
80-4-4	54	75	82	87	90	86	79	68
80-4-5,5	55	76	83	88	91	87	80	69
80-6-1,5	44	65	72	77	80	76	69	58
80-6-2	45	66	73	78	81	77	70	59
80-6-3	46	67	74	79	82	78	71	60
80-8-1	44	65	72	77	80	76	69	58
80-8-4	39	60	67	72	75	71	64	53
80-8-5,5	40	61	68	73	76	72	65	54
90-4-5,5	60	81	88	93	96	92	85	74
90-4-7,5	62	83	90	95	98	94	87	76
90-4-9	63	84	91	96	99	95	88	77
90-4-10	63	84	91	96	99	95	88	77
90-6-3	50	71	78	83	86	82	75	64
90-6-4	51	72	79	84	87	83	76	65
90-8-1	44	65	72	77	80	76	69	58
90-8-2	46	67	74	79	82	78	71	60
90-8-5,5	45	66	73	78	81	77	70	59
90-8-7,5	47	68	75	80	83	79	72	61
90-8-9	48	69	76	81	84	80	73	62
90-12-3	35	56	63	68	71	67	60	49
90-12-4	36	57	64	69	72	68	61	50
100-4-7,5	65	86	93	98	101	97	90	79
100-4-9	65	86	93	98	101	97	90	79
100-4-10	66	87	94	99	102	98	91	80
100-4-14	66	87	94	99	102	98	91	80
100-4-15	67	88	95	100	103	99	92	81
100-6-3	56	77	84	89	92	88	81	70
100-6-4	57	78	85	90	93	89	82	71
100-6-5,5	58	79	86	91	94	90	83	72
100-8-3	52	73	80	85	88	84	77	66
100-8-4	53	74	81	86	89	85	78	67
100-8-7,5	50	71	78	83	86	82	75	64
100-8-9	50	71	78	83	86	82	75	64
100-8-14	51	72	79	84	87	83	76	65
100-12-3	41	62	69	74	77	73	66	55
100-12-4	42	63	70	75	78	74	67	56
100-12-5,5	43	64	71	76	79	75	68	57

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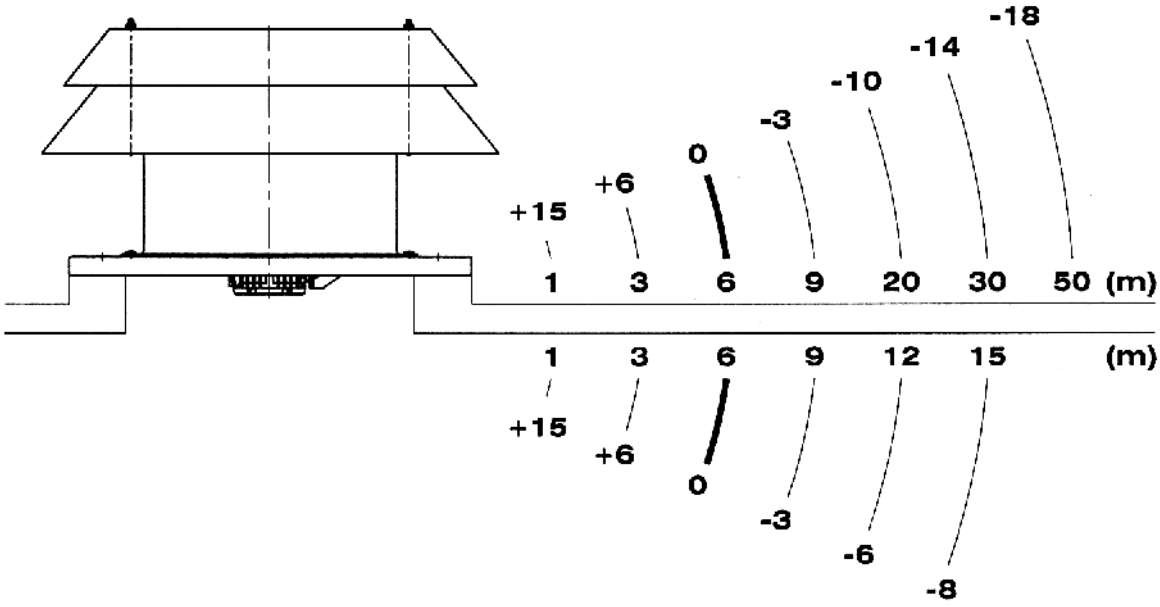
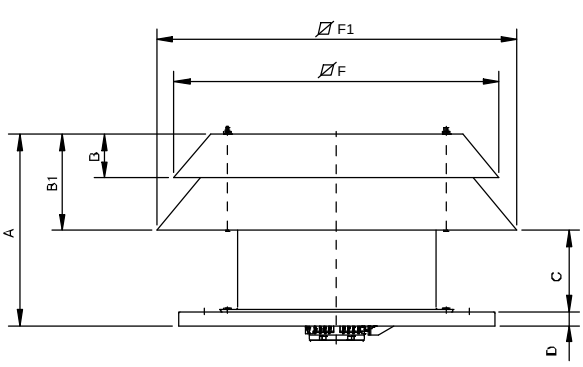
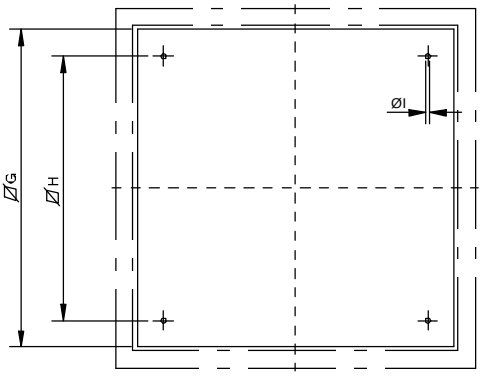
Variation of sound pressure according to distance:

The sound level can vary depending on the roof structure.



Dimensions mm





Model	A	B	B1	C	D	F	F1	G	H	Ø1
HTMF-56	532	131,5	266,5	225	40	930	940	900	750	14
HTMF-63	577	141,5	311,5	225	40	1030	1060	1000	850	14
HTMF-71	661	156,5	351,5	270	40	1140	1185	1000	850	14
HTMF-80	721	176,5	401,5	270	50	1265	1316	1150	1000	14
HTMF-90	817	202	452	315	50	1425	1482	1150	1000	14
HTMF-100	957	212	492	415	50	1580	1642	1250	1100	14

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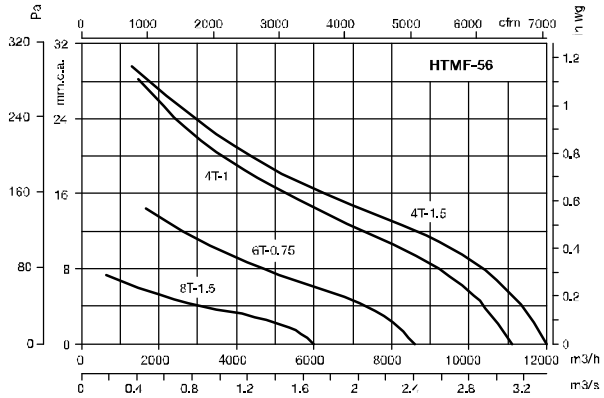
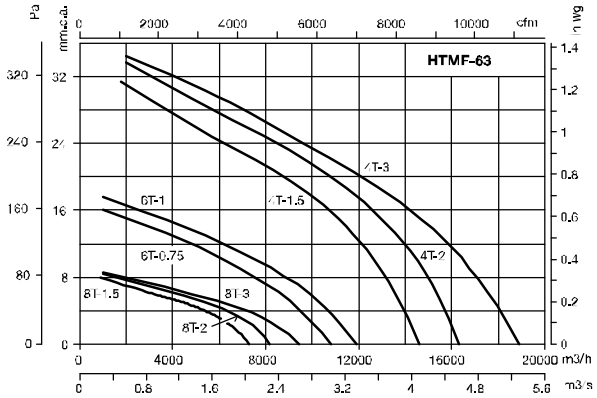
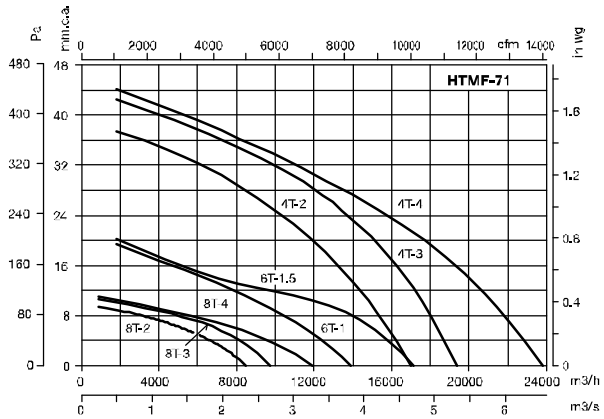
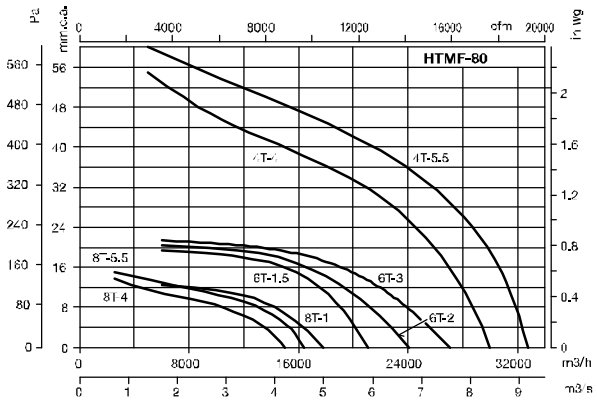
Characteristics Curves

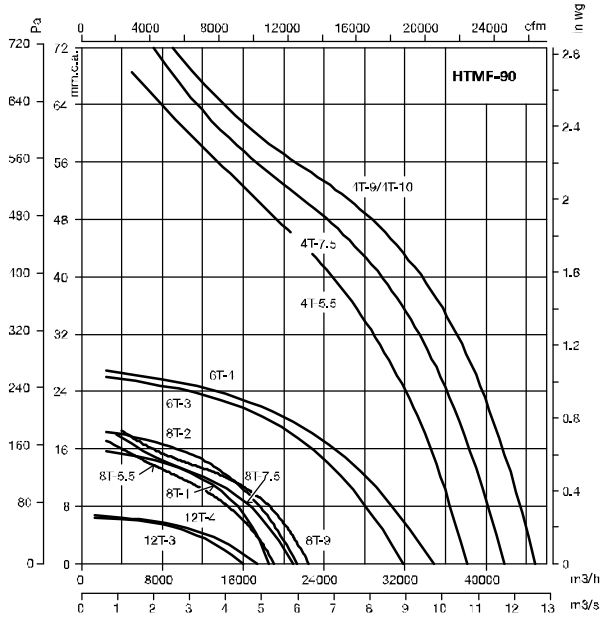
Q = Airflow in m^3/h. and m^3/s.
Pe = Static pressure in mm.c.a. and Pa.

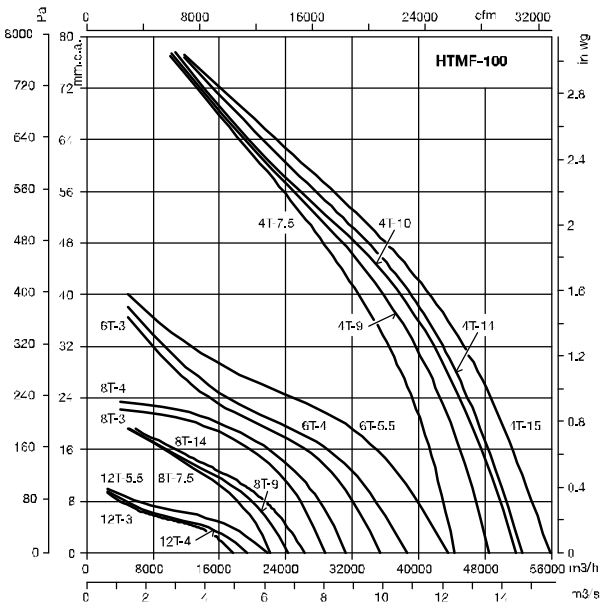












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