

ROOF-MOUNTED HELICAL EXTRACTOR FANS

HTMV


Roof-mounted helical extractor fans with vertical air outlet

Roof-mounted helical extractor fans with vertical air outlet, designed for extracting large air volumes in industrial or similar premises.


Fan:

- Galvanised sheet steel support base with corrosion-proof treatment.
- Cast aluminium orientable rotors.
- Anti-contact protective grille pursuant to standard UNE-EN ISO 12499.
- Anti-return hatch in aluminium sheet metal to prevent the entry of water when the fan is not operating.
- Motor-rotor airflow direction.

Motor:

- Class F motors with ball bearings and IP55 protection
- IE3 efficiency motors for powers equal to or greater than 0.75kW except single-phase, 2-speed and 8-pole
- Three-phase 230/400V.-50Hz (up to 4 kW) and 400/690V.-50Hz (powers greater than 4 kW)
- Maximum temperature of air to be carried: -20°C +40°C

Finish:

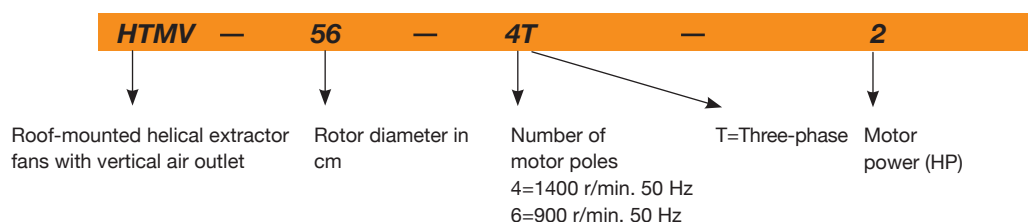
- Corrosion-proof finish of polyester resin polymerised at 190° C, previously degreased with phosphate-free nanotechnological treatment

On request:

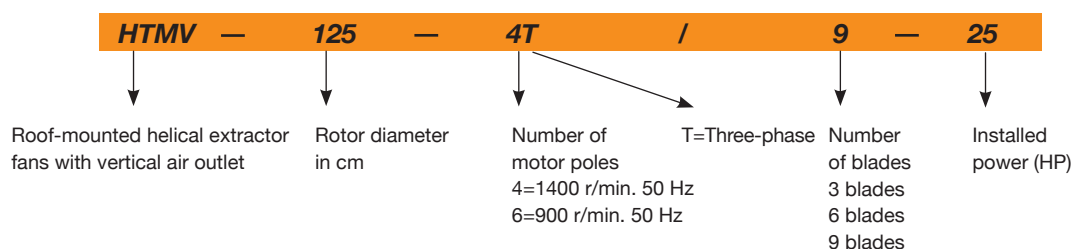
- Extractor fans with 2-speed motors
- 2 and 8-pole fans depending on diameter
- Special windings for different voltages and frequencies
- Made entirely of stainless steel
- Made of hot-dip galvanised steel

Order code

From size 40 to size 100



Size 125


Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure (1) level dB(A)		Approx. weight (Kg)
		230V	400V	690V			Aspiration	Discharge	
HTMV-40-4T-0.75	1380	2.92	1.69		0.55	4800	51	46	39
HTMV-40-6T-0.75	900	2.99	1.73		0.55	3150	40	36	47
HTMV-45-4T-0.75	1380	2.92	1.69		0.55	7450	55	50	42
HTMV-45-6T-0.75	900	2.99	1.73		0.55	4450	42	38	50
HTMV-50-4T-1 IE3	1420	2.82	1.62		0.75	9750	59	54	54
HTMV-50-6T-0.75	900	2.99	1.73		0.55	7000	47	43	57
HTMV-56-4T-1 IE3	1420	2.82	1.62		0.75	11250	63	58	61
HTMV-56-4T-1.5 IE3	1455	4.07	2.34		1.1	13600	64	59	60
HTMV-56-4T-2 IE3	1440	5.41	3.11		1.5	15050	65	60	71
HTMV-56-6T-0.75	900	2.99	1.73		0.55	10150	52	48	60
HTMV-63-4T-1.5 IE3	1455	4.07	2.34		1.1	17800	63	59	69
HTMV-63-4T-2 IE3	1440	5.41	3.11		1.5	19300	63	59	81

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure (1) level dB(A)		Approx. weight (Kg)
		230V	400V	690V			Aspiration	Discharge	
HTMV-63-4T-3 IE3	1435	7.93	4.56		2.2	22150	65	61	83
HTMV-63-4T-4 IE3	1440	10.7	6.15		3	24250	66	62	93
HTMV-63-6T-0.75	900	2.99	1.73		0.55	13600	55	51	70
HTMV-63-6T-1 IE3	940	3.36	1.93		0.75	15900	57	53	72
HTMV-71-4T-2 IE3	1440	5.41	3.11		1.5	20900	68	64	88
HTMV-71-4T-3 IE3	1435	7.93	4.56		2.2	25100	67	63	90
HTMV-71-4T-4 IE3	1440	10.7	6.15		3	27500	68	64	100
HTMV-71-6T-0.75	900	2.99	1.73		0.55	16100	56	53	77
HTMV-71-6T-1 IE3	940	3.36	1.93		0.75	17300	57	53	79
HTMV-71-6T-1.5 IE3	945	4.68	2.69		1.1	19950	58	54	90
HTMV-80-4T-4 IE3	1440	10.7	6.15		3	30250	71	67	122
HTMV-80-4T-5.5 IE3	1450	13.9	8		4	32750	71	67	125
HTMV-80-6T-1.5 IE3	945	4.68	2.69		1.1	21450	61	57	112
HTMV-80-6T-2 IE3	950	6.43	3.7		1.5	25950	62	58	120
HTMV-80-6T-3 IE3	950	9.08	5.22		2.2	29950	63	59	122
HTMV-90-4T-5.5 IE3	1450	13.9	8		4	38900	75	71	138
HTMV-90-4T-7.5 IE3	1465		10.3	5.97	5.5	46150	74	70	185
HTMV-90-4T-10 IE3	1465		13.9	8.06	7.5	50150	73	69	141
HTMV-90-6T-2 IE3	950	6.43	3.7		1.5	28800	64	60	133
HTMV-90-6T-3 IE3	950	9.08	5.22		2.2	34000	65	60	136
HTMV-90-6T-4 IE3	970	12	6.91		3	38900	66	62	172
HTMV-100-4T-7.5 IE3	1465		10.3	5.97	5.5	46850	79	75	196
HTMV-100-4T-10 IE3	1465		13.9	8.06	7.5	57400	77	73	152
HTMV-100-4T-15 IE3	1470		21.4	12.4	11	66300	76	72	231
HTMV-100-4T-20 IE3	1465		28.7	16.6	15	76150	78	74	222
HTMV-100-6T-3 IE3	950	9.08	5.22		2.2	37600	67	64	148
HTMV-100-6T-4 IE3	970	12	6.91		3	41150	67	62	184
HTMV-100-6T-5.5 IE3	960	15.6	8.99		4	47800	68	64	177
HTMV-125-4T/3-25 IE3	1470		33.6	19.5	18.5	98350	81	76	428
HTMV-125-4T/3-30 IE3	1475		40.6	23.5	22	110350	82	77	443
HTMV-125-4T/3-40 IE3	1480		55.9	32.4	30	125000	83	78	489
HTMV-125-4T/6-25 IE3	1470		33.6	19.5	18.5	92550	80	75	437
HTMV-125-4T/6-30 IE3	1475		40.6	23.5	22	98850	80	75	452
HTMV-125-4T/6-40 IE3	1480		55.9	32.4	30	117450	82	77	497
HTMV-125-4T/6-50 IE3	1480		69.2	40.1	37	131050	83	78	537
HTMV-125-4T/9-25 IE3	1470		33.6	19.5	18.5	79650	78	73	446
HTMV-125-4T/9-30 IE3	1475		40.6	23.5	22	88300	79	74	461
HTMV-125-4T/9-40 IE3	1480		55.9	32.4	30	104050	81	76	506
HTMV-125-4T/9-50 IE3	1480		69.2	40.1	37	118400	83	78	546
HTMV-125-6T/3-4 IE3	970	12	6.91		3	46750	70	65	280
HTMV-125-6T/3-5.5 IE3	960	15.6	8.99		4	55400	70	66	273
HTMV-125-6T/3-7.5 IE3	970		11.2	6.49	5.5	68400	71	67	251
HTMV-125-6T/3-10 IE3	970		14.8	8.58	7.5	79150	73	69	270
HTMV-125-6T/3-15 IE3	970		22	12.8	11	87150	74	70	323
HTMV-125-6T/3-20 IE3	975		28	16.2	15	91650	75	71	429
HTMV-125-6T/6-5.5 IE3	960	15.6	8.99		4	51500	66	62	282
HTMV-125-6T/6-7.5 IE3	970		11.2	6.49	5.5	60650	66	62	260
HTMV-125-6T/6-10 IE3	970		14.8	8.58	7.5	72650	68	64	279
HTMV-125-6T/6-15 IE3	970		22	12.8	11	85850	70	66	332
HTMV-125-6T/6-20 IE3	975		28	16.2	15	92850	71	67	438
HTMV-125-6T/9-10 IE3	970		14.8	8.58	7.5	63500	68	64	288
HTMV-125-6T/9-15 IE3	970		22	12.8	11	77550	71	67	341
HTMV-125-6T/9-20 IE3	975		28	16.2	15	92950	74	70	447

(1) The noise level values are pressures in dB(A) measured at a distance of 6 metres in a free field.

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Acoustic characteristics

The indicated values are determined by measuring the pressure and noise level in dB(A) obtained in a free field at a distance of 6 m.

Noise power spectrum Lw(A) in dB(A) frequency band in [Hz]

Values taken during aspiration with maximum flow rate

Model	63	125	250	500	1000	2000	4000	8000
40-4-0,75	36	57	64	69	72	68	61	50
40-6-0,75	25	46	53	58	61	57	50	39
45-4-0,75	40	61	68	73	76	72	65	54
45-6-0,75	27	48	55	60	63	59	52	41
50-4-1	44	64	72	77	79	76	69	58
50-6-0,75	32	52	60	65	67	64	57	46
56-4-1	48	68	76	81	83	80	73	62
56-4-1,5	49	69	77	82	84	81	74	63
56-4-2	50	70	78	83	85	82	75	64
56-6-0,75	37	57	65	70	72	69	62	51
63-4-1,5	48	68	76	81	83	80	73	65
63-4-2	52	68	76	81	83	80	73	66
63-4-3	53	70	78	83	85	82	77	67
63-4-4	54	71	79	84	86	83	78	68
63-6-0,75	42	60	68	73	75	72	65	56
63-6-1	43	62	70	75	77	74	67	57
71-4-2	53	73	81	86	88	85	78	70
71-4-3	58	72	80	85	87	84	77	71
71-4-4	59	73	81	86	88	85	78	72
71-6-0,75	44	63	72	74	76	73	66	55
71-6-1	45	65	73	75	77	74	67	56
71-6-1,5	46	66	71	76	78	75	68	57
80-4-4	56	76	84	89	91	88	81	74
80-4-5,5	56	76	84	89	91	88	81	74
80-6-1,5	49	66	74	79	81	78	71	60
80-6-2	50	67	75	80	82	79	72	61
80-6-3	51	68	76	81	83	80	73	62
90-4-5,5	60	81	88	93	96	92	85	74
90-4-7,5	59	80	87	92	95	91	84	73
90-4-10	58	79	86	91	94	90	83	72
90-6-2	49	70	77	82	85	81	74	63
90-6-3	56	70	77	82	85	81	74	63
90-6-4	57	72	79	84	87	83	76	65
100-4-7,5	64	84	92	97	99	96	89	78
100-4-10	62	82	90	95	97	94	87	76
100-4-15	61	81	89	94	96	93	86	75
100-4-20	63	83	91	96	98	95	88	77
100-6-3	61	72	80	85	87	84	77	66
100-6-4	64	72	80	85	87	84	77	66
100-6-5,5	64	73	81	86	88	85	78	67
125-4/3-25	73	79	91	101	101	97	89	85
125-4/3-30	74	80	92	102	102	98	90	86
125-4/3-40	75	81	93	103	103	99	91	87
125-4/6-25	68	76	92	99	101	96	90	86
125-4/6-30	68	76	92	99	101	96	90	86
125-4/6-40	70	78	94	101	103	98	92	88
125-4/6-50	71	79	95	102	104	99	93	89
125-4/9-25	66	74	91	97	98	93	88	84
125-4/9-30	67	75	92	98	99	94	89	85
125-4/9-40	69	77	94	100	101	96	91	87
125-4/9-50	71	79	96	102	103	98	93	89
125-6/3-4	66	74	86	90	88	83	74	70
125-6/3-5,5	66	74	86	90	88	83	74	70
125-6/3-7,5	67	75	87	91	89	84	75	71
125-6/3-10	69	77	89	93	91	86	77	73
125-6/3-15	70	78	90	94	92	87	78	74
125-6/3-20	71	79	91	95	93	88	79	75
125-6/6-5,5	60	69	82	85	86	83	72	68
125-6/6-7,5	60	69	82	85	86	83	72	68
125-6/6-10	62	71	84	87	88	85	74	70
125-6/6-15	64	73	86	89	90	87	76	72
125-6/6-20	65	74	87	90	91	88	77	73
125-6/9-10	58	68	83	87	86	85	74	70
125-6/9-15	61	71	86	90	89	88	77	73
125-6/9-20	64	74	89	93	92	91	80	76

Values taken during discharge with maximum flow rate

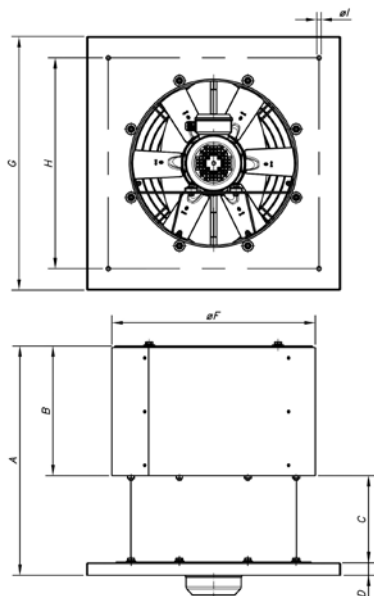
Model	63	125	250	500	1000	2000	4000	8000
40-4-0,75	31	52	59	64	67	63	56	45
40-6-0,75	21	42	49	54	57	53	46	35
45-4-0,75	35	56	63	68	71	67	60	49
45-6-0,75	23	44	51	56	59	55	48	37
50-4-1	39	59	67	72	74	71	64	53
50-6-0,75	28	48	56	61	63	60	53	42
56-4-1	43	63	71	76	78	75	68	57
56-4-1,5	44	64	72	77	79	76	69	58
56-4-2	45	65	73	78	80	77	70	59
56-6-0,75	33	53	61	66	68	65	58	47
63-4-1,5	44	64	72	77	79	76	69	60
63-4-2	47	64	72	77	79	76	69	61
63-4-3	48	66	74	79	81	78	73	62
63-4-4	49	67	75	80	82	79	74	63
63-6-0,75	38	56	64	69	71	68	61	52
63-6-1	39	58	66	71	73	70	63	53
71-4-2	49	69	77	82	84	81	74	65
71-4-3	53	68	76	81	83	80	73	67
71-4-4	54	69	77	82	84	81	74	68
71-6-0,75	40	60	68	71	73	70	63	52
71-6-1	41	61	69	71	73	70	63	52
71-6-1,5	42	62	67	72	74	71	64	53
80-4-4	52	72	80	85	87	84	77	69
80-4-5,5	52	72	80	85	87	84	77	70
80-6-1,5	45	62	70	75	77	74	67	56
80-6-2	46	63	71	76	78	75	68	57
80-6-3	47	64	72	77	79	76	69	58
90-4-5,5	56	77	84	89	92	88	81	70
90-4-7,5	55	76	83	88	91	87	80	69
90-4-10	54	75	82	87	90	86	79	68
90-6-2	45	66	73	78	81	77	70	59
90-6-3	52	66	73	78	81	77	70	59
90-6-4	53	68	75	80	83	79	72	61
100-4-7,5	60	80	88	93	95	92	85	74
100-4-10	58	78	86	91	93	90	83	72
100-4-15	57	77	85	90	92	89	82	71
100-4-20	59	79	87	92	94	91	84	73
100-6-3	58	69	77	82	84	81	74	63
100-6-4	59	67	75	80	82	79	72	61
100-6-5,5	60	69	77	82	84	81	74	63
125-4/3-25	68	74	86	96	96	92	84	80
125-4/3-30	69	75	87	97	97	93	85	81
125-4/3-40	70	76	88	98	98	94	86	82
125-4/6-25	63	71	87	94	96	91	85	81
125-4/6-30	63	71	87	94	96	91	85	81
125-4/6-40	65	73	89	96	98	93	87	83
125-4/6-50	66	74	90	97	99	94	88	84
125-4/9-25	61	69	86	92	93	88	83	79
125-4/9-30	62	70	87	93	94	89	84	80
125-4/9-40	64	72	89	95	96	91	86	82
125-4/9-50	66	74	91	97	98	93	88	84
125-6/3-4	61	69	81	85	83	78	69	65
125-6/3-5,5	62	70	82	86	84	79	70	66
125-6/3-7,5	63	71	83	87	85	80	71	67
125-6/3-10	65	73	85	89	87	82	73	69
125-6/3-15	66	74	86	90	88	83	74	70
125-6/3-20	67	75	87	91	89	84	75	71
125-6/6-5,5	56	65	78	81	82	79	68	64
125-6/6-7,5	56	65	78	81	82	79	68	64
125-6/6-10	58	67	80	83	84	81	70	66
125-6/6-15	60	69	82	85	86	83	72	68
125-6/6-20	61	70	83	86	87	84	73	69
125-6/9-10	54	64	79	83	82	81	70	66
125-6/9-15	57	67	82	86	85	84	73	69
125-6/9-20	60	70	85	89	88	87	76	72



Erp. Best efficiency point (BEP) characteristics

See THT/ROOF series

Dimensions mm



Model	A	B	C	D	ØF	G	H	ØI
HTMV-40	690	360	244	35	519	630	530	12
HTMV-45	700	374	244	35	569	710	590	12
HTMV-50	740	412	244	35	626	900	750	12
HTMV-56	770	438	244	40	686	900	750	14
HTMV-63	810	475	244	40	753	1000	850	14
HTMV-71	890	510	292	40	833	1000	850	14
HTMV-80	950	555.5	292	50	923	1150	1000	14
HTMV-90	1040	611	338	40	1031	1150	1000	14
HTMV-100	1197	659	438	50	1128	1250	1100	14
HTMV-125	1373	785.5	488	50	1376	1600	1450	17

Characteristic curves

See THT/ROOF series

Accessories

See accessories section

