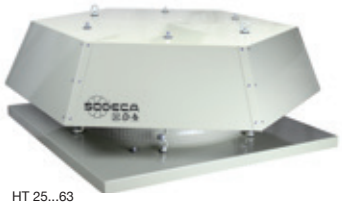
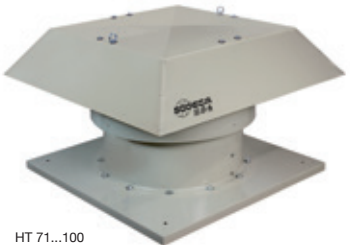
HT

Roof-mounted axial extractor fans with flat bases


HT 25...63


HT 71...100

Roof-mounted axial extractor fans with fibreglass reinforced plastic rotor and flat base for installing on roof.

Fan:
- Painted, galvanised sheet steel support base.
- Fibreglass reinforced polyamide-6 rotors, except for 100 models, which have 4 poles in aluminium.
- Bird control grille.
- Rain cap made of painted galvanised sheet steel, with protection against corrosion.
- Airflow direction from Motor to Impeller.

Motor:
- IE3 efficiency motors for powers equal to or greater than 0.75kW except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings, IP55 protection, except single-phase models from size 45 to size 63, IP54 protection.
- Multi voltage motor, special design valid for 220/380V 60Hz, 254/440V 60Hz, 265/460V 60Hz, 277/480V 60Hz
- Maximum temperature of air to be carried: -25ºC +60 ºC.

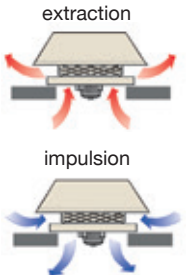
Finish:
- Anti-corrosive finish of polyester resin polymerised at 190 ºC, previously degreased with phosphate-free nanotechnological treatment.

On request:
- Option of supply in the form of IMPULSION FANS.
- AL version rotors made of cast aluminium.
- Special windings for different voltages.
- ATEX-certified Category 2.

Order code

HT — 25 — 4T — I — 60Hz

- **HT**: Roof-mounted axial extractor fans with flat bases
- **25**: Rotor diameter in cm
- **4T**: Number of motor poles
  2=3500 r/min. 60 Hz
  4=1680 r/min. 60 Hz
  6=1080 r/min. 60 Hz
- **T**: M=Single-phase, T= Three-phase
- **I**: I: Extractor fans, A: impulsion fans
- **60Hz**



60Hz

Technical characteristics

Model	Speed	Maximum admissible current (A)		Installed power	Maximum flow rate	Sound pressure level dB(A)		Approx. weight
	(r/min)	220-277V	380-480V	(kW)	(m^3/h)	Intake	Discharge	(kg)
HT-25-4T	1740	0.65	0.38	0.09	1080	41	40	12.5
HT-25-4M	1740	0.65		0.10	1080	41	40	12.5
HT-31-4T	1716	0.65	0.38	0.09	1800	47	46	13.3
HT-31-4M	1716	0.83		0.09	1800	47	46	13.5
HT-35-4T	1632	0.65	0.38	0.09	2600	48	47	17.5
HT-35-4M	1632	0.83		0.09	2600	48	47	17.5
HT-40-4T	1680	1.66	0.96	0.25	4600	51	50	21
HT-40-4M	1680	2.00		0.25	4600	51	50	21
HT-45-4T	1656	2.02	1.17	0.37	6500	55	53	29
HT-45-4M	1650	2.76		0.37	6500	55	54	30.5
HT-50-4T	1656	2.92	1.69	0.55	8500	59	57	36
HT-50-4M	1620	4.40		0.55	8500	59	57	39
HT-56-4T	1740	3.10	1.79	0.75	9800	61	57	35
HT-56-4M	1740	5.05		0.75	9800	61	57	37
HT-56-6T	1140	1.51	0.87	0.25	6600	48	46	46
HT-56-6M	1140	2.07		0.25	6600	48	46	46
HT-63-4T	1740	4.03	2.32	1.10	14000	63	59	65.8
HT-63-6T	1140	2.24	1.30	0.37	9200	52	49	61.8
HT-63-6M	1140	2.69		0.37	9200	52	49	61.8
HT-71-4T	1740	5.96	3.44	1.50	18000	69	67	64

Technical characteristics

Model	Speed	Maximum admissible current (A)		Installed power	Maximum flow rate	Sound pressure level dB(A)		Approx. weight
	(r/min)	220-277V	380-480V	(kW)	(m^3/h)	Intake	Discharge	(kg)
HT-71-6T	1140	2.99	1.73	0.55	12200	58	56	64.9
HT-71-6M	1140	3.84		0.55	12200	58	56	64.9
HT-80-4T	1740	8.36	4.83	2.20	26200	73	70	87.8
HT-80-6T	1140	4.88	2.82	1.10	18000	64	61	81.8
HT-90-4T	1740	10.96	6.33	3.00	31500	77	74	94
HT-90-6T	1140	6.42	3.71	1.50	21200	68	65	91
HT-100-4T-7.5	1740		11.60	5.50	37000	80	77	114
HT-100-4T-10	1740		13.90	7.50	44000	84	81	125
HT-100-6T-2	1128	6.42	3.71	1.50	25000	71	68	102
HT-100-6T-3	1152	9.30	5.30	2.20	28200	75	72	106

Acoustic characteristics

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

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

Values taken during intake with maximum flow rate (Qmax)

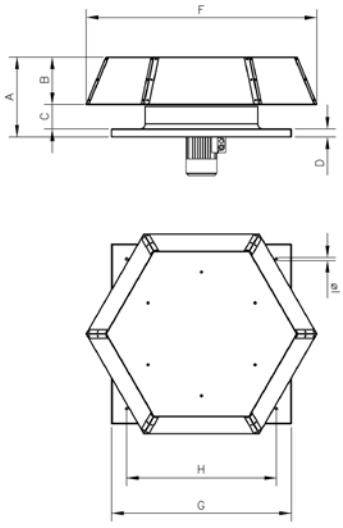
Model	63	125	250	500	1000	2000	4000	8000
25	27	37	54	54	62	58	51	42
31	33	43	60	60	68	64	57	48
35	34	44	61	61	69	65	58	49
40	28	45	57	65	70	70	66	59
45	32	49	61	69	74	74	70	63
50	36	53	65	73	78	78	74	67
56-4	38	55	67	75	80	80	76	69
56-6	25	42	54	62	67	67	63	56
63-4	40	57	69	77	82	82	78	71
63-6	29	46	58	66	71	71	67	60
71-4	46	63	75	83	88	88	84	77
71-6	35	52	64	72	77	77	73	66
80-4	57	78	85	90	93	89	82	71
80-6	48	69	76	81	84	80	73	62
90-4	61	82	89	94	97	93	86	75
90-6	52	73	80	85	88	84	77	66
100-4-7.5	64	85	92	97	100	96	89	78
100-4-10	68	89	96	101	104	100	93	82
100-6-2	55	76	83	88	91	87	80	69
100-6-3	59	80	87	92	95	91	84	73

Values taken during discharge with maximum flow rate (Qmax)

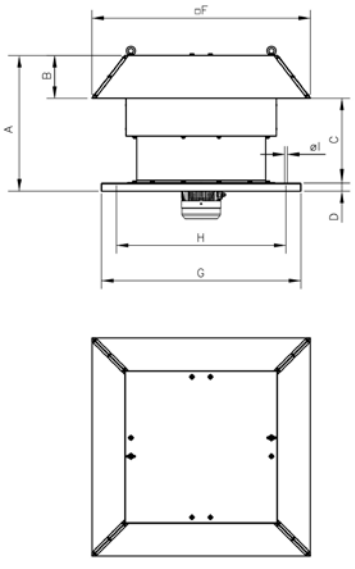
Model	63	125	250	500	1000	2000	4000	8000
25	26	36	53	53	61	57	50	41
31	32	42	59	59	67	63	56	47
35	33	43	60	60	68	64	57	48
40	27	44	56	64	69	69	65	58
45	30	47	59	67	72	72	68	61
50	34	51	63	71	76	76	72	65
56-4	34	51	63	71	76	76	72	65
56-6	23	40	52	60	65	65	61	54
63-4	36	53	65	73	78	78	74	67
63-6	26	43	55	63	68	68	64	57
71-4	44	61	73	81	86	86	82	75
71-6	33	50	62	70	75	75	71	64
80-4	54	75	82	87	90	86	79	68
80-6	45	66	73	78	81	77	70	59
90-4	58	79	86	91	94	90	83	72
90-6	49	70	77	82	85	81	74	63
100-4-7,5	61	82	89	94	97	93	86	75
100-4-10	65	86	93	98	101	97	90	79
100-6-2	52	73	80	85	88	84	77	66
100-6-3	56	77	84	89	92	88	81	70

Dimensions mm

HT 25...63



HT 71...100

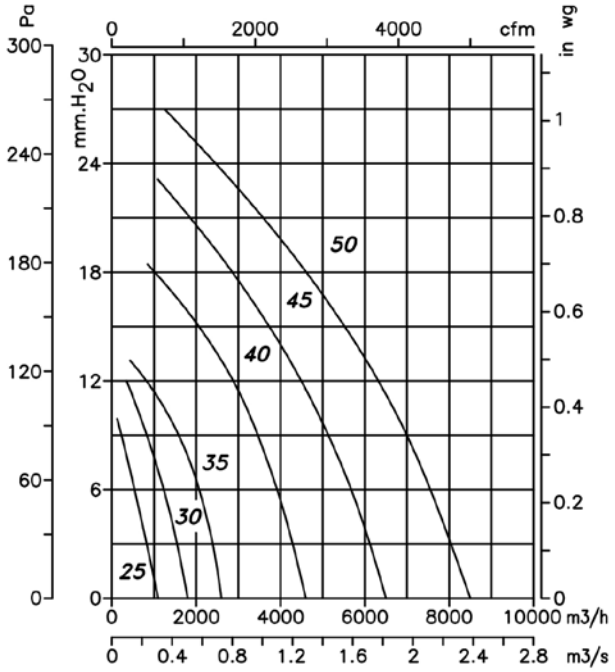


Model	A	B	C	D	F	G	H	I
HT-25	223	140	43	40	635	450	360	12
HT-31	245	140	65	40	635	500	410	12
HT-35	270	169	61	40	808	560	450	12
HT-40	295	169	86	40	808	630	530	12
HT-45	342	202	90	50	923	710	590	12
HT-50	373	238	85	50	1154	800	680	12
HT-56	402	238	124	40	1154	900	750	14
HT-63	457	277	141	40	1384	1000	850	14
HT-71	759	195	524	40	1123	1000	850	14
HT-80	790	216	524	50	1252	1150	1000	14
HT-90	920	232	638	50	1380	1150	1000	14
HT-100	1055	252	753	50	1527	1250	1100	14

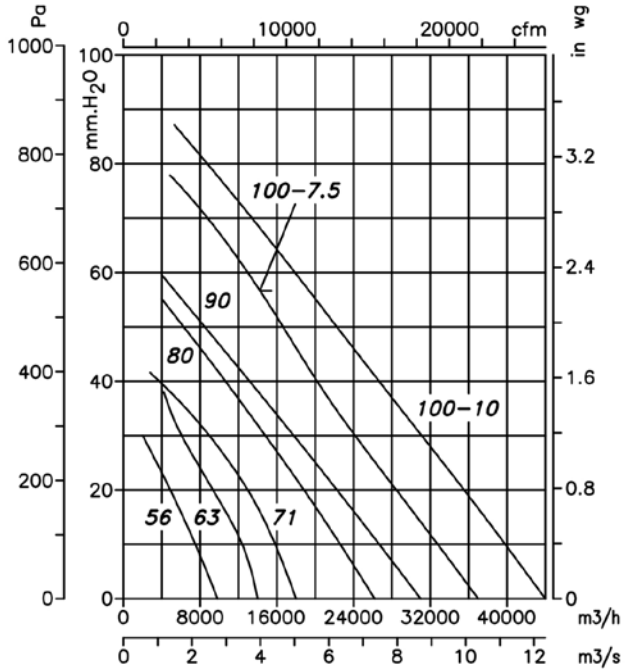
Characteristic curves

Q= Flow rate in m^3/h, m^3/s and cfm. Pe= Static pressure in mm H_2O, Pa and inwg.

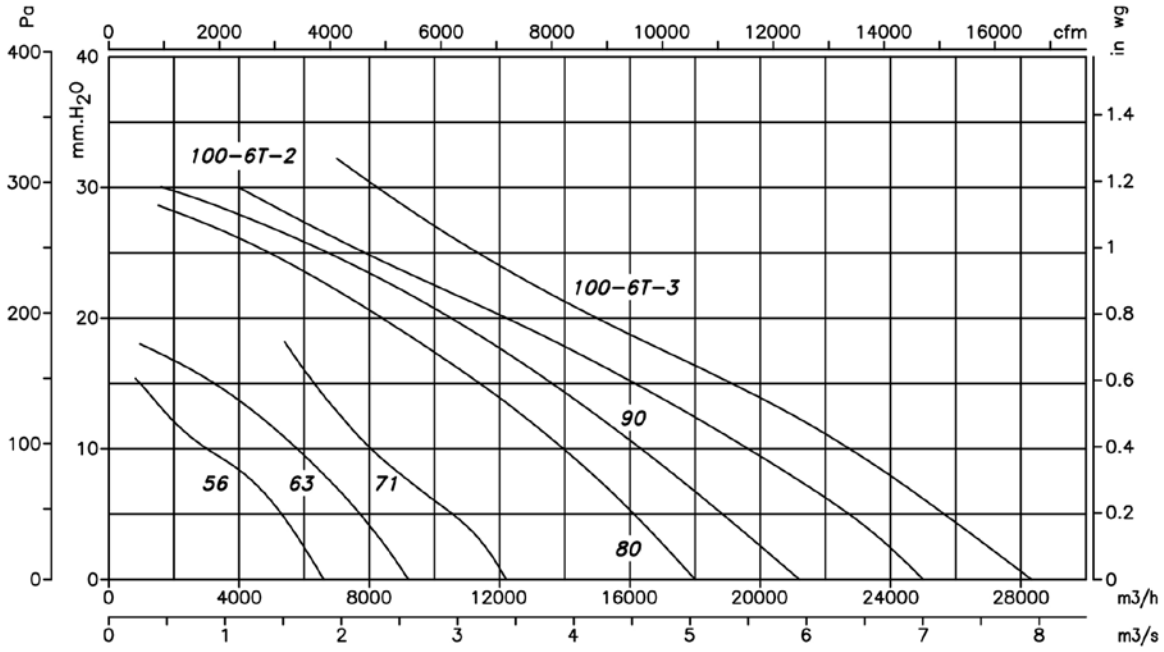
4T/4M=1800 r/min



4T/4M=1800 r/min



6T/6M=1200 r/min



Accessories

INT | RM | VSD3/A-RFT VSD1/A-RFM | CUADROS | BTUB | MS | PA | OP | S | SI | BS