

HC

Wall-mounted axial fans with IP55 motors

Wall-mounted axial fans with reinforced plastic rotor made of fibreglass.



HC



HC
71 80
90.100

Fan:

- Sheet steel support frame.
- Fibreglass reinforced polyamide-6 rotor.
- Anti-contact protective grille pursuant to standard UNE-EN ISO 12499.
- Models 71, 80, 90 and 100, protective grille supplied as an accessory.
- 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. With 1 or 2 speed, depending on model.
- Multi voltage motor, special design valid for 220/380V 60Hz, 254/440V 60Hz, 265/460V 60Hz, 277/480V 60Hz.
- Operating temperature: -25°C +60 °C.

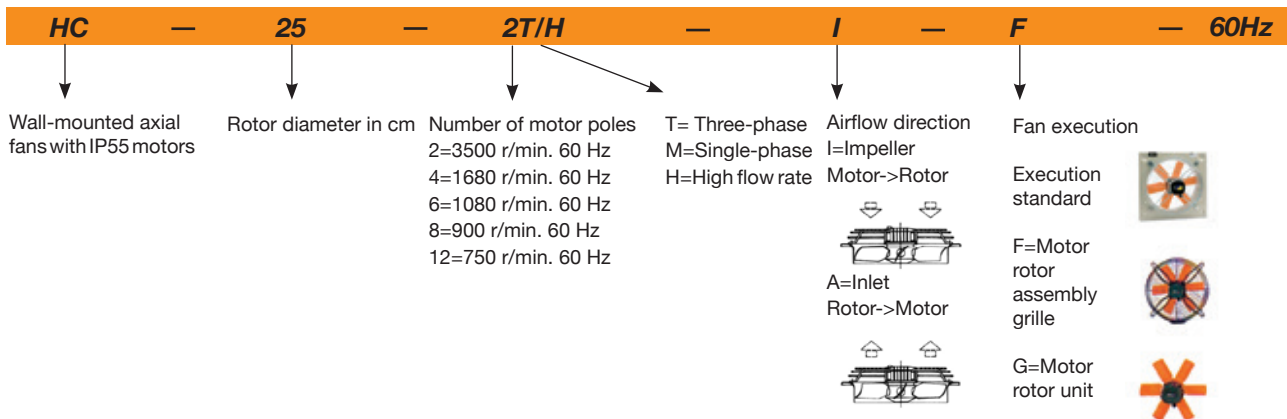
Finish:

- Anti-corrosive finish of polyester resin polymerised at 190 °C, previously degreased with phosphate-free nanotechnological treatment.

On request:

- Motor, rotor and grille unit (version F).
- Rotor motor unit, version G.
- Airflow direction from Impeller to Motor.
- Special windings for different voltages.

Order code



Technical characteristics

60Hz

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Max. flow rate (m³/h)	Sound pressure level dB(A)	Approx. weight (kg)
		220-277V	380-480V				
HC-25-2T/H	2730	0.74	0.43	0.12	2200	64	5
HC-25-2M/H	2770	0.98		0.12	2200	64	5
HC-25-4T/H	1320	0.96	0.56	0.10	1300	51	5
HC-25-4M/H	1380	0.65		0.10	1300	51	5
HC-31-2T/H	2750	1.21	0.70	0.18	3650	72	6
HC-31-2M/H	2700	1.85		0.18	3600	72	6
HC-31-4T/H	1320	0.96	0.56	0.10	2400	54	6
HC-31-4M/H	1380	1.03		0.10	2400	54	6
HC-35-2T/H	2710	1.92	1.11	0.37	6050	76	8

Technical characteristics

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		220-277V	380-480V				
HC-35-4T/H	1320	0.96	0.56	0.10	3550	58	7
HC-35-4M/H	1380	1.03		0.10	3550	58	7
HC-40-4T/H	1350	1.66	0.96	0.25	5200	63	10
HC-40-4M/H	1370	2.00		0.25	5200	63	10
HC-40-6T/H	900	1.51	0.87	0.25	3700	55	10
HC-40-6M/H	970	1.30		0.25	3700	55	10
HC-45-4T/H	1370	2.02	1.17	0.37	7300	66	14
HC-45-4M/H	1400	2.76		0.37	7300	66	14
HC-45-6T/H	900	1.51	0.87	0.25	5150	57	14
HC-45-6M/H	950	1.50		0.25	5150	57	14
HC-50-4T/H	1380	2.92	1.69	0.55	10200	69	18
HC-50-4M/H	1350	5.02		0.55	10200	69	18
HC-50-6T/H	900	2.24	1.30	0.37	6300	59	18
HC-50-6M/H	900	2.69		0.37	6300	59	18
HC-56-4T/H IE3	1400	4.03	2.32	1.10	13000	72	24
HC-56-4/8T/H	1440 / 710		2.9 / 1.3	1.10/0.25	13000/6500	72/57	24
HC-56-6T/H	900	2.24	1.30	0.37	8300	61	19
HC-56-6M/H	900	2.69		0.37	8300	61	19
HC-63-4T/H IE3	1400	4.03	2.32	1.10	16450	74	26
HC-63-4/8T/H	1440 / 710		2.9 / 1.3	1.10/0.25	16450/8225	74/59	26
HC-63-6T/H	900	2.24	1.30	0.37	12350	64	21
HC-63-6M/H	890	3.00		0.37	12350	64	21
HC-71-4T/H IE3	1430	5.96	3.44	1.50	22150	78	35
HC-71-4/8T/H	1420 / 700		3.5 / 1.5	1.50/0.37	22200/11100	78/63	35
HC-71-6T/H IE3	945	3.90	2.20	0.75	17300	66	36
HC-71-6M/H IE3	900	4.97		0.75	15600	65	36
HC-80-4T/H IE3	1445	10.96	6.33	3.00	33000	82	55
HC-80-4/8T/H	1430 / 710		6.5 / 2.3	3.0/0.60	33000/16500	82/67	53
HC-80-6T/H IE3	945	3.90	2.20	0.75	22000	71	45
HC-90-4T/H IE3	1440	14.10	8.12	4.00	43700	86	68
HC-90-4/8T/H	1430 / 710		8.2 / 2.9	4.00/0.80	43700/21850	86/69	74
HC-90-6T/H IE3	955	6.42	3.71	1.50	33300	76	60
HC-90-8T/H	695	3.53	2.04	0.55	19800	69	54
HC-100-4T/H IE3	1440		11.60	5.50	54000	88	85
HC-100-4/8T/H	1450 / 720		11.8 / 3.8	5.50/1.10	54000/27000	88/73	95
HC-100-6T/H IE3	955	6.42	3.71	1.50	37000	78	63
HC-100-8T/H	705	4.68	2.70	0.75	26950	72	61

Acoustic characteristics

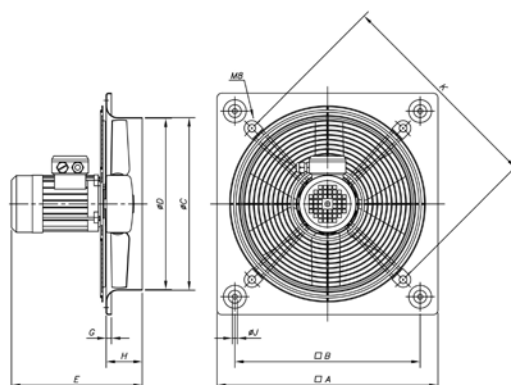
The indicated values are determined by measuring the sound pressure level and sound power in dB(A) obtained in a free field at a distance equivalent to twice the size of the fan plus the rotor diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
25-2T/H	38	48	65	65	73	69	62	53	63-4/8T/H	43	60	73	80	85	86	81	74
25-4T/H	25	35	52	52	60	56	49	40	63-6T/H	33	50	63	70	75	76	71	64
31-2T/H	46	56	73	73	81	77	70	61	71-4T/H	47	64	77	84	89	90	85	78
31-4T/H	28	38	55	55	63	59	52	43	71-4/8T/H	47	64	77	84	89	90	85	78
35-2T/H	50	60	77	77	85	81	74	65	71-6T/H	35	52	65	72	77	78	73	66
35-4T/H	32	42	59	59	67	63	56	47	80-4T/H	60	81	88	93	96	92	85	74
40-4T/H	28	45	57	65	70	70	66	59	80-4/8T/H	60	81	88	93	96	92	85	74
40-6T/H	20	37	49	57	62	62	58	51	80-6T/H	49	70	77	82	85	81	74	63
45-4T/H	33	50	63	70	75	76	71	64	90-4T/H	64	85	92	97	100	96	89	78
45-6T/H	24	41	54	61	66	67	62	55	90-4/8T/H	64	85	92	97	100	96	89	78
50-4T/H	36	53	66	73	78	79	74	67	90-6T/H	54	75	82	87	90	86	79	68
50-6T/H	26	43	56	63	68	69	64	57	90-8T/H	47	68	75	80	83	79	72	61
56-4T/H	39	56	69	76	81	82	77	70	100-4T/H	68	88	96	101	103	100	93	82
56-4/8T/H	39	56	69	76	81	82	77	70	100-4/8T/H	68	88	96	101	103	100	93	82
56-6T/H	28	45	58	65	70	71	66	59	100-6T/H	58	78	86	91	93	90	83	72
63-4T/H	43	60	73	80	85	86	81	74	100-8T/H	52	72	80	85	87	84	77	66

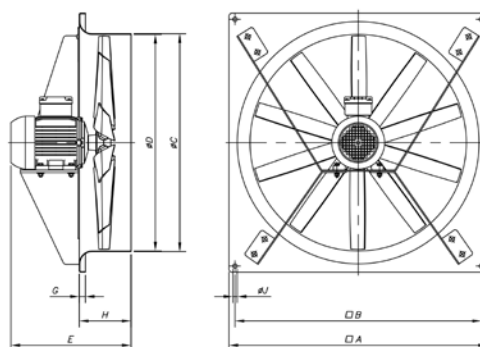
Dimensions mm

HC 25...63



Model	A	B	ØC	ØD	E	G	H	ØJ	K
HC-25	330	275	262	260	241	11	56	8.5	310
HC-31-2	400	336	310.5	308	264.5	11	65	8.5	380
HC-31-4	400	336	310.5	308	245.5	11	65	8.5	380
HC-35-2	465	390	362.5	360	310	11	76	10.5	450
HC-35-4	465	390	362.5	360	261	11	76	10.5	450
HC-40-4.../H	532	452	412.5	410	332	11	97.5	10.5	500
HC-40-6.../H	532	452	412.5	410	332	11	97.5	10.5	500
HC-45-4.../H	596	504	462.5	460	339	11	105	10.5	560
HC-45-6.../H	596	504	462.5	460	339	11	105	10.5	560
HC-50-4T/H	665	562	516.5	514	376	11	115	10.5	640
HC-50-4M/H	665	562	516.5	514	376	11	115	10.5	640
HC-50-6.../H	665	562	516.5	514	336	11	115	10.5	640
HC-56-4T/H	710	630	563	560	374	15	115	10.5	721
HC-56-6.../H	710	630	563	560	351	15	115	10.5	721
HC-63-4T/H	800	710	638	635	399	15	140	10.5	820
HC-63-6.../H	800	710	638	635	376	15	140	10.5	820

HC 71...100

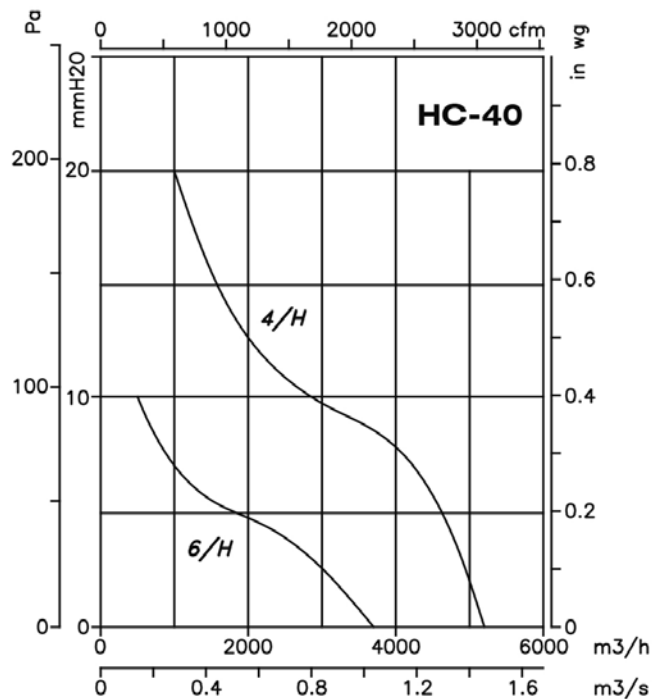
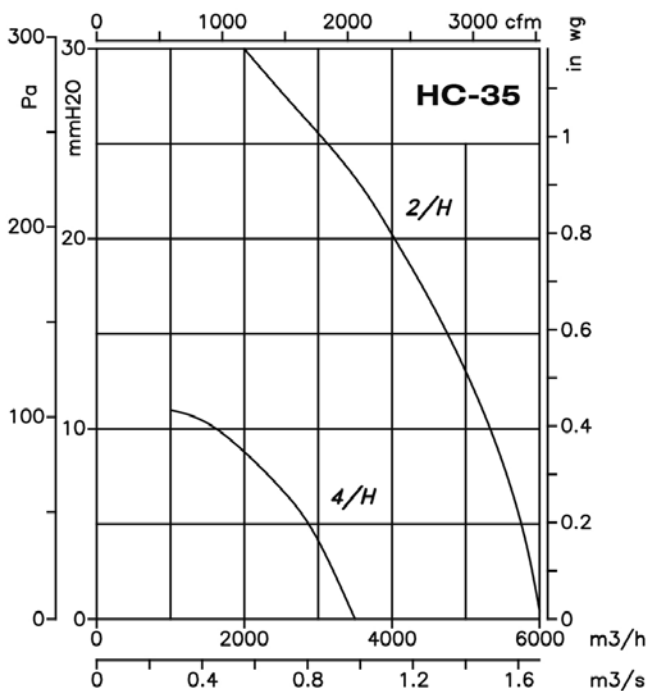
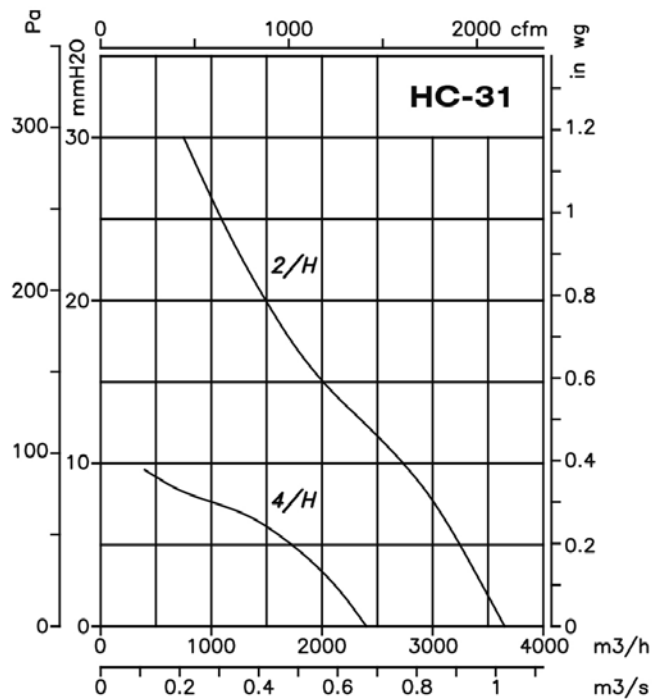
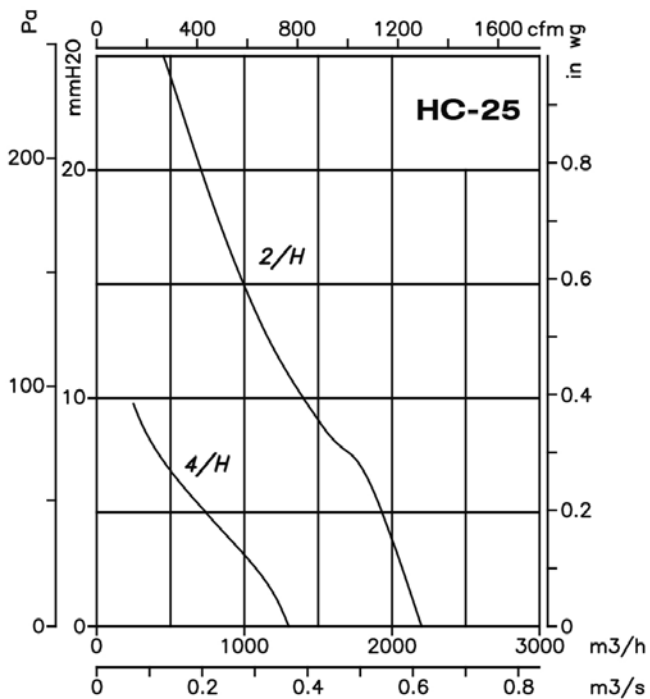


Model	A	B	ØC	ØD	E	G	H	ØJ
HC-71-4T/H	850	810	715	711	395	20	170	14.5
HC-71-6T/H	850	810	715	711	395	20	170	14.5
HC-80-4T/H	970	910	801	797	500	20	210	14.5
HC-80-6T/H	970	910	801	797	458	20	210	14.5
HC-90-4T/H	1170	1110	918	914	511	20	210	14.5
HC-90-6T/H	1170	1110	918	914	500	20	210	14.5
HC-90-8T/H	1170	1110	918	914	455	20	210	14.5
HC-100-4T/H	1170	1110	1003	999	548	20	220	14.5
HC-100-6T/H	1170	1110	1003	999	498	20	220	14.5
HC-100-8T/H	1170	1110	1003	999	498	20	220	14.5

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

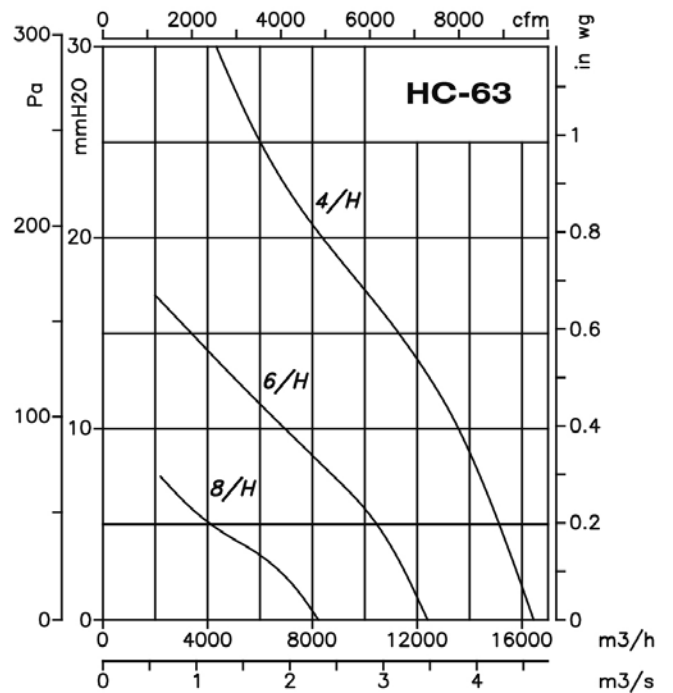
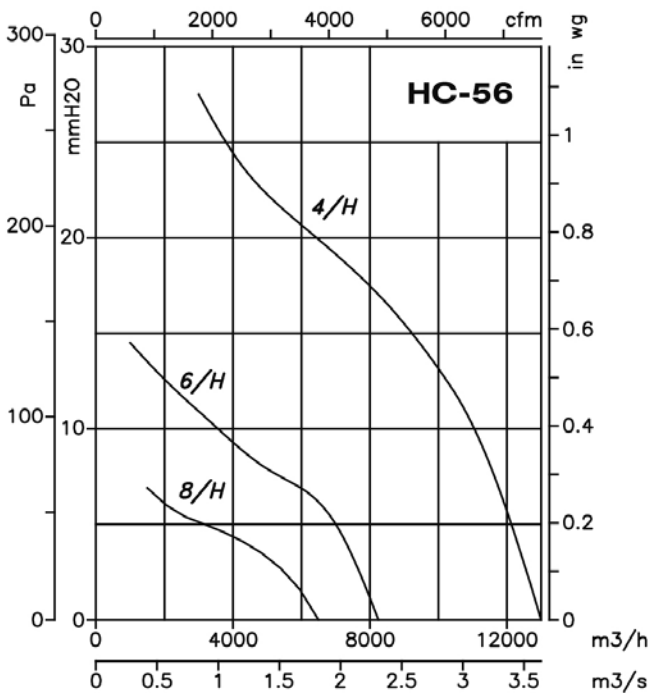
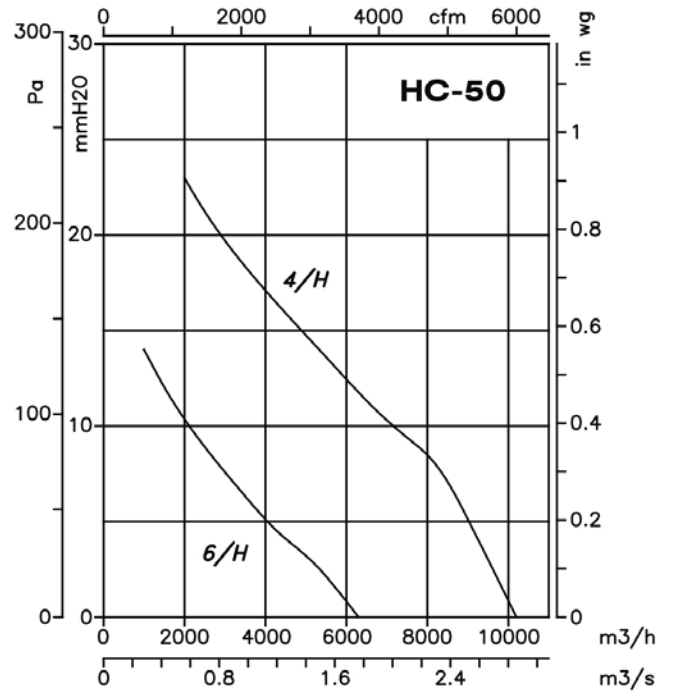
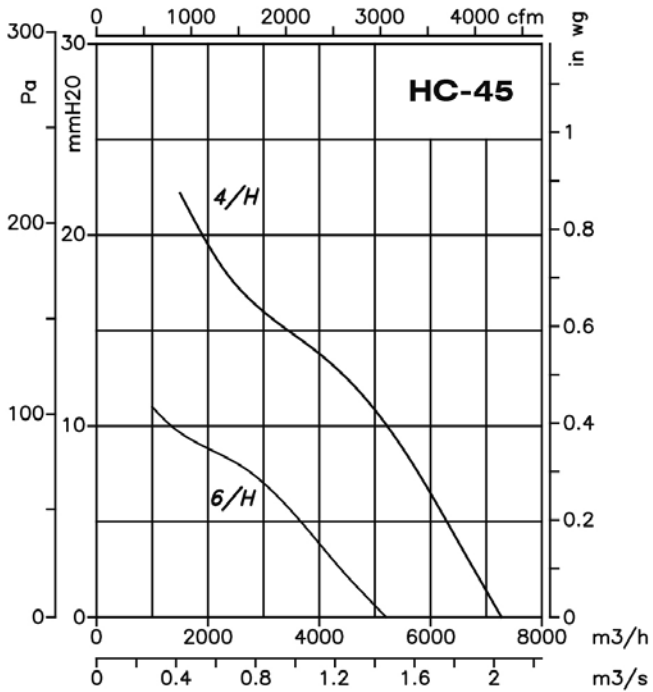
Pe= Static pressure in mm H₂O, Pa and inwg.



Characteristic curves

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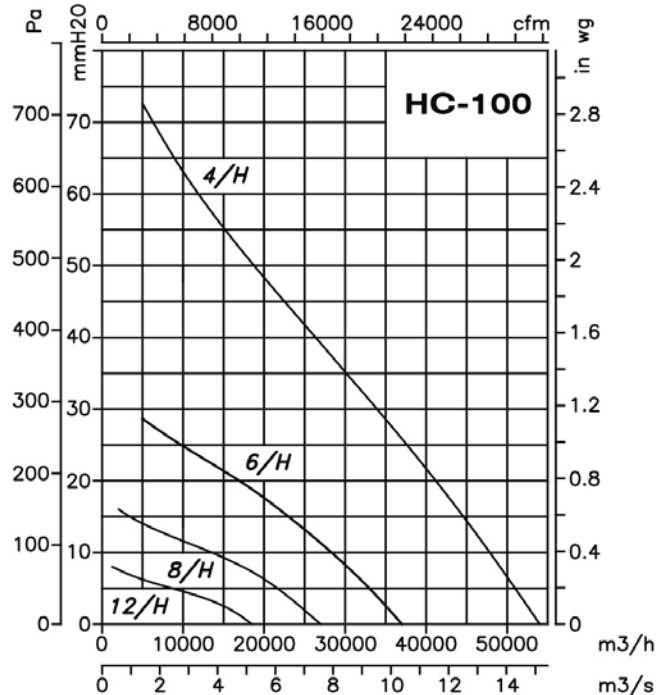
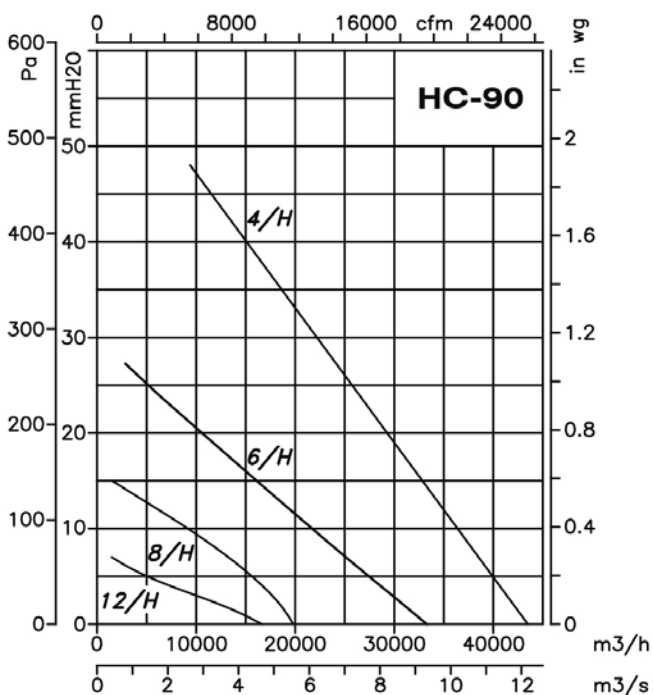
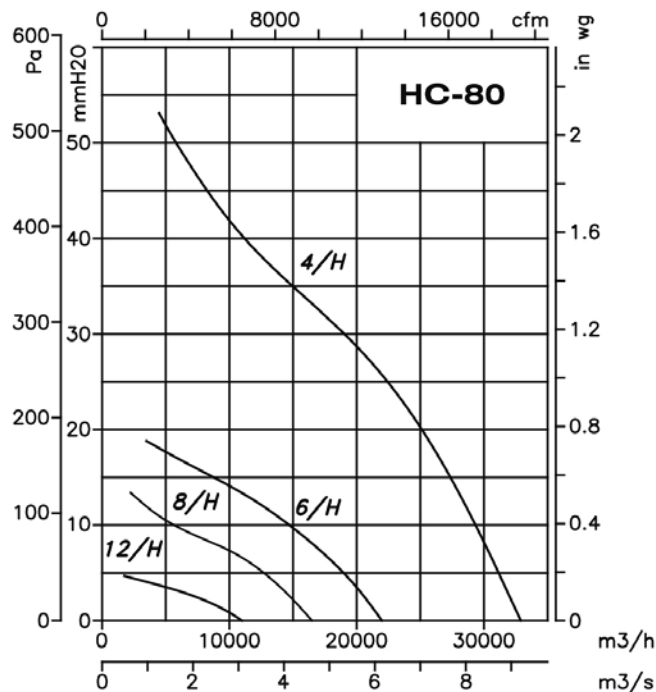
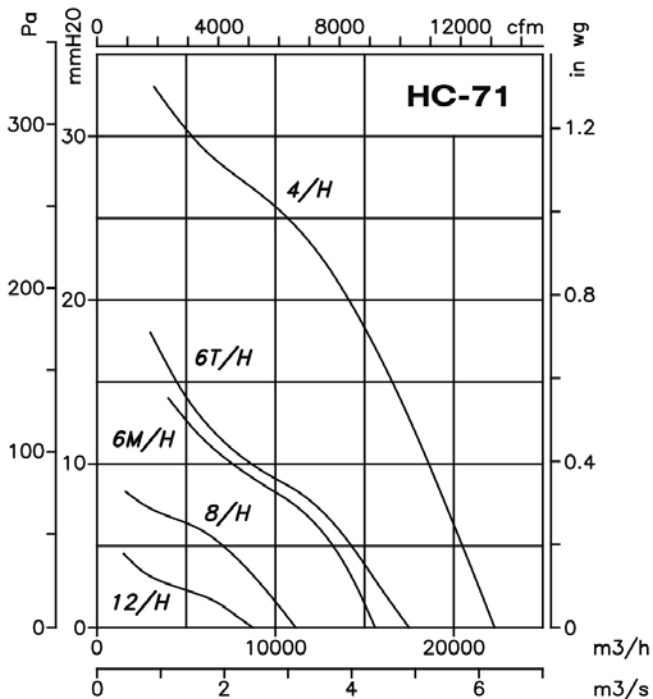
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Characteristic curves

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Accessories

