THT

400 ºC/2h and 300 ºC/2h tubular axial extract fans with short casing

Tubular axial extract fans with short casing for immersed operation in fire risk zones.

Fan:
- Tubular casing in sheet steel.
- Variable angle impeller made of cast aluminium.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Airflow direction from motor to impeller.

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 with IE4 efficiency for power from 75 kW to 200 kW, except 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 -25 ºC +40 ºC continuous service, also suitable for warm climates with temperatures up to 50 ºC. S2 operation, 300 ºC/2h, 400 ºC/2h.

Finish:
- Anti-corrosive finish in polyester resin, polymerised at 190 ºC, after degreasing with phosphate-free nanotechnology treatment.

Available versions:
- THT/CL: Tubular axial fans with long casing equipped with inspection hatch.

On request:
- Airflow direction from impeller to motor.
- 100% reversible impellers.

Order code

From size 40 to size 90

THT	–	56	–	4T	–	2	–	F400
THT: 400 ºC/2h and 300 ºC/2h tubular axial extract fans with short casing		Impeller diameter in cm		Number of motor poles 2=3000 r/min 50 Hz 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz 8=750 r/min 50 Hz T = Three-phase		Motor power (HP)		F300: 300 ºC/2h approved F400: 400 ºC/2h approved

From size 100 to size 160

THT	–	125	–	4T	/	6	–	30	–	F400
THT: 400 ºC/2h and 300 ºC/2h tubular axial extract fans with short casing		Impeller diameter in cm		Number of motor poles 2=3000 r/min 50 Hz 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	Number of blades: 6 blades 9 blades 12 blades		Motor power (HP)		F300: 300 ºC/2h approved F400: 400 ºC/2h approved

THT/CL

400 ºC/2h and 300 ºC/2h tubular axial extract fans with long casing and external terminal boxes

Tubular axial extract fans with long casing for immersed operation in fire risk zones.

Fan:
- Tubular casing in sheet steel with external terminal box (Cable box) and inspection hatch.
- Variable angle impeller made of cast aluminium.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Airflow direction from motor to impeller.

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 with IE4 efficiency for power from 75 kW to 200 kW, except 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 -25 ºC +40 ºC continuous service, also suitable for warm climates with temperatures up to 50 ºC. S2 operation, 300 ºC/2h, 400 ºC/2h.

Finish:
- Anti-corrosive finish in polyester resin, polymerised at 190 ºC, after degreasing with phosphate-free nanotechnology treatment.

Available versions:
- THT: Tubular axial fans with short casing.

On request:
- Airflow direction from impeller to motor.
- 100% reversible impellers.

Order code

From size 40 to size 90

THT	–	56	–	4T	–	2	–	F400
THT/CL: 400 ºC/2h and 300 ºC/2h tubular axial extract fans with long casing and external terminal boxes		Impeller diameter in cm		Number of motor poles 2=3000 r/min 50 Hz 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz 8=750 r/min 50 Hz T = Three-phase		Motor power (HP)		F300: 300 ºC/2h approved F400: 400 ºC/2h approved

From size 100 to size 160

THT	–	125	–	4T	/	6	–	30	–	F400
THT/CL: 400 ºC/2h and 300 ºC/2h tubular axial extract fans with long casing and external terminal boxes		Impeller diameter in cm		Number of motor poles 2=3000 r/min 50 Hz 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	Number of blades: 6 blades 9 blades 12 blades		Motor power (HP)		F300: 300 ºC/2h approved F400: 400 ºC/2h approved

Technical characteristics

Model[1]	Speed	Maximum admissible current (A)			Installed power	Blade tilt angle	Maximum flow rate	Sound pressure level[2] dB (A)	Approx. weight (Kg)	
	(r/min)	230V	400V	690V	(kW)	(º)	(m^3/h)	Inlet	THT	THT/CL
40-2T-1.5 IE3	2880	3.93	2.26		1.10	20	7040	71	31	33
40-2/4T-1.5	2900 / 1435		2.89 / 1.04		1.10 / 0.25	20	7040 / 3480	71 / 56	32	34
40-2/4T-2	2940 / 1460		3.58 / 1.19		1.50 / 0.37	24	7950 / 3950	71 / 56	-	35
40-4T-0.75	1420	2.42	1.40		0.55	32	4800	55	29	32
40-6T-0.75	930	3.01	1.73		0.55	32	3150	46	34	37
40-6/12T-0.75	940 / 455		2.35 / 1.15		0.60 / 0.15	32	3150 / 1520	46 / 31	38	41
45-2T-2 IE3	2880	4.91	2.84		1.50	16	9400	71	34	38
45-2/4T-2	2940 / 1460		3.58 / 1.19		1.50 / 0.37	16	9400 / 4680	71 / 56	34	37
45-2T-3 IE3	2900	7.14	4.13		2.20	22	11330	71	36	39
45-2/4T-3	2930 / 1455		4.79 / 1.54		2.20 / 0.60	22	11330 / 5640	71 / 56	-	39
45-2T-4 IE3	2855	9.61	5.52		3.00	28	13075	72	46	49
45-4T-0.75	1420	2.42	1.40		0.55	36	7450	58	30	34
45-6T-0.75	930	3.01	1.73		0.55	30	4450	48	35	38
45-6/12T-0.75	940 / 455		2.35 / 1.15		0.60 / 0.15	30	4450 / 2150	48 / 33	39	42
50-2T-3 IE3	2860	7.14	4.13		2.20	12	11950	76	43	46
50-2/4T-4	2920 / 1445		6.70 / 2.09		3.00 / 0.80	16	13880 / 6870	76 / 61	-	51
50-2/4T-6	2930 / 1450		9.50 / 2.80		4.50 / 1.30	20	15900 / 7880	76 / 61	-	67
50-4T-0.75	1425	2.42	1.40		0.55	22	8390	60	32	35
50-6T-0.75	930	3.01	1.73		0.55	32	7000	52	36	40
56-2T-5.5 IE3	2890		7.20	4.17	4.00	16	18800	78	60	69
56-2/4T-6	2930 / 1450		9.50 / 2.80		4.50 / 1.30	16	18800 / 9320	78 / 63	-	71
56-2/4T-12	2920 / 1435		18.30 / 5.90		9.00 / 2.50	30	27200 / 13390	79 / 64	-	137
56-4T-1 IE3	1430	3.08	1.79		0.75	22	11250	63	40	45
56-4T-1.5 IE3	1440	4.10	2.37		1.10	30	13600	63	40	44
56-4/8T-1.5	1440 / 705		2.69 / 1.12		1.10 / 0.25	30	13600 / 6640	63 / 48	43	48
56-4T-2 IE3	1415	5.89	3.38		1.50	36	15030	64	43	48
56-6T-0.75	930	3.01	1.73		0.55	38	10140	54	39	44
56-6/12T-0.75	940 / 455		2.35 / 1.15		0.60 / 0.15	38	10140 / 4890	54 / 39	43	48
63-2T-12 IE3	2950		18.07	10.44	9.20	18	32300	83	143	161
63-2T-20 IE3	2960		26.50	15.35	15.00	28	39950	82	170	188
63-4T-1 IE3	1430	3.08	1.79		0.75	14	15190	67	43	49
63-4T-1.5 IE3	1420	4.10	2.37		1.10	20	17800	66	45	51
63-4/8T-1.5	1440 / 705		2.69 / 1.12		1.10 / 0.25	20	17800 / 8680	66 / 51	49	55
63-4T-2 IE3	1425	5.89	3.38		1.50	24	19280	66	49	55
63-4/8T-2	1415 / 715		3.40 / 1.65		1.50 / 0.30	24	19280 / 9740	66 / 52	60	70
63-4T-3 IE3	1435	7.86	4.52		2.20	32	22150	68	54	64
63-4/8T-3	1415 / 700		4.80 / 1.85		2.20 / 0.45	32	22150 / 10920	68 / 53	66	77
63-4T-4 IE3	1430	11.01	6.33		3.00	38	24240	69	63	73
63-4/8T-4	1420 / 705		6.45 / 2.28		3.00 / 0.60	38	24240 / 12040	69 / 54	77	86
63-6T-0.75	930	3.01	1.73		0.55	28	13590	57	45	51
63-6/12T-0.75	940 / 455		2.35 / 1.15		0.60 / 0.15	28	13590 / 6550	57 / 42	49	55
63-6T-1 IE3	940	3.36	1.93		0.75	38	15890	58	48	54
63-6/12T-1	935 / 455		3.75 / 2.76		0.80 / 0.20	38	15890 / 7700	58 / 43	55	61
71-4T-1.5 IE3	1420	4.10	2.37		1.10	12	19480	71	52	58
71-4/8T-1.5	1440 / 705		2.69 / 1.12		1.10 / 0.25	12	19480 / 9500	71 / 56	56	61
71-4T-2 IE3	1425	5.89	3.38		1.50	14	20900	70	56	61
71-4/8T-2	1415 / 715		3.40 / 1.65		1.50 / 0.30	14	20900 / 10560	70 / 56	67	76
71-4T-3 IE3	1435	7.86	4.52		2.20	22	25100	70	61	70
71-4/8T-3	1415 / 700		4.80 / 1.85		2.20 / 0.45	22	25100 / 12370	70 / 55	74	82
71-4T-4 IE3	1430	11.01	6.33		3.00	28	27480	70	70	79
71-4/8T-4	1420 / 705		6.45 / 2.28		3.00 / 0.60	28	27480 / 13640	70 / 55	83	92
71-6T-0.75	930	3.01	1.73		0.55	20	16100	60	52	57
71-6/12T-0.75	940 / 455		2.35 / 1.15		0.60 / 0.15	20	16100 / 7760	60 / 45	56	61
71-6T-1 IE3	940	3.36	1.93		0.75	26	17300	60	55	61
71-6/12T-1	935 / 455		3.75 / 2.76		0.80 / 0.20	26	17300 / 8380	60 / 45	62	67
71-6T-1.5 IE3	945	4.73	2.72		1.10	34	19930	61	61	69

Technical characteristics

Model[1]	Speed	Maximum admissible current (A)			Installed power	Blade tilt angle	Maximum flow rate	Sound pressure level[2] dB (A)	Approx. weight (Kg)	
	(r/min)	230V	400V	690V	(kW)	(º)	(m^3/h)	Inlet	THT	THT/CL
71-6/12T-1.5	940 / 460		3.52 / 2.00		1.20 / 0.30	34	19930 / 9760	61 / 46	69	77
80-4T-3 IE3	1435	7.86	4.52		2.20	12	25450	75	69	79
80-4/8T-3	1415 / 700		4.80 / 1.85		2.20 / 0.45	12	25450 / 12550	75 / 60	82	91
80-4T-4 IE3	1430	11.01	6.33		3.00	16	30250	74	78	88
80-4/8T-4	1420 / 705		6.45 / 2.28		3.00 / 0.60	16	30250 / 15020	74 / 59	92	101
80-4T-5.5 IE3	1440		7.95	4.61	4.00	18	32750	73	85	94
80-4/8T-5.5	1450 / 715		7.88 / 2.87		3.80 / 1.00	18	32750 / 16150	73 / 58	118	127
80-6T-1.5 IE3	945	4.73	2.72		1.10	18	21450	63	69	78
80-6/12T-1.5	940 / 460		3.52 / 2.00		1.20 / 0.30	18	21450 / 10500	63 / 48	77	86
80-6T-2 IE3	945	6.25	3.62		1.50	26	25950	64	78	87
80-6/12T-2	960 / 470		4.46 / 3.43		1.60 / 0.40	26	25950 / 12700	64 / 49	82	91
80-6T-3 IE3	950	9.78	5.62		2.20	32	29930	65	84	94
80-6/12T-3	940 / 475		5.62 / 3.32		2.20 / 0.55	32	29930 / 15120	65 / 51	91	100
80-8T-0.75	700	3.48	2.00		0.55	20	17540	57	62	71
80-8T-1	710	4.29	2.36		0.75	28	20650	58	69	78
90-4T-4 IE3	1430	11.01	6.33		3.00	8	33580	79	93	110
90-4/8T-4	1420 / 705		6.45 / 2.28		3.00 / 0.60	8	33580 / 16670	79 / 64	106	124
90-4T-5.5 IE3	1440		7.95	4.61	4.00	12	38890	78	99	117
90-4/8T-5.5	1450 / 715		7.88 / 2.87		3.80 / 1.00	12	38890 / 19170	78 / 63	132	150
90-4T-7.5 IE3	1430		10.40	6.04	5.50	18	46140	77	126	143
90-4/8T-7.5	1455 / 720		11.40 / 3.86		5.50 / 1.10	18	46140 / 22910	77 / 62	140	157
90-4T-10 IE3	1460		14.20	8.17	7.50	22	50140	76	137	154
90-4/8T-10	1455 / 720		15.10 / 5.16		7.50 / 1.50	22	50140 / 24900	76 / 61	140	157
90-6T-2 IE3	945	6.25	3.62		1.50	16	28780	66	92	110
90-6/12T-2	960 / 470		4.46 / 3.43		1.60 / 0.40	16	28780 / 14090	66 / 51	96	114
90-6T-3 IE3	950	9.78	5.62		2.20	24	34000	66	99	116
90-6/12T-3	940 / 475		5.62 / 3.32		2.20 / 0.55	24	34000 / 17180	66 / 52	105	123
90-6T-4 IE3	945	12.80	6.36		3.00	30	38900	69	124	142
90-6/12T-4	970 / 485		7.37 / 3.53		2.80 / 0.70	30	38900 / 19450	69 / 54	126	143
90-8T-1	710	4.29	2.36		0.75	18	22900	60	84	100
90-8T-2	700	7.32	4.21		1.50	30	29490	63	99	116
90-8T-3	705		5.44	3.16	2.20	32	30850	64	116	134
100-4T-7.5 IE3	1430		10.40	6.04	5.50	10	46850	82	131	151
100-4/8T-7.5	1455 / 720		11.40 / 3.86		5.50 / 1.10	10	46850 / 23260	82 / 67	145	165
100-4T-10 IE3	1460		14.20	8.17	7.50	16	57400	79	142	162
100-4/8T-10	1455 / 720		15.10 / 5.16		7.50 / 1.50	14	54710 / 27170	80 / 65	145	165
100-4T-15 IE3	1455		20.70	11.99	11.00	22	66300	79	195	215
100-4/8T-15	1470 / 730		20.70 / 7.19		11.00 / 3.00	22	66300 / 32920	79 / 64	195	215
100-4T-20 IE3	1460		27.80	16.03	15.00	28	76150	80	210	230
100-4/8T-20	1470 / 725		31.72 / 11.70		15.00 / 3.80	28	76150 / 37560	80 / 65	210	230
100-4T/9-15 IE3	1460		20.70	11.99	11.00	18	55340	80	204	224
100-4T/9-20 IE3	1460		27.80	16.03	15.00	22	63260	80	219	239
100-4T/9-25 IE3	1475		35.40	20.39	18.50	26	70625	80	249	269
100-4T/9-30 IE3	1475		42.20	24.44	22.00	30	74845	82	266	286
100-6T-3 IE3	950	9.78	5.62		2.20	16	37600	70	105	124
100-6/12T-3	940 / 475		5.62 / 3.32		2.20 / 0.55	16	37600 / 18990	70 / 56	112	130
100-6T-4 IE3	945	12.80	6.36		3.00	20	41150	69	130	150
100-6/12T-4	970 / 485		7.37 / 3.53		2.80 / 0.70	20	41150 / 20580	69 / 54	131	151
100-6T-5.5 IE3	970		8.37	4.82	4.00	26	47780	70	142	162
100-6T/9-5.5 IE3	970		8.37	4.82	4.00	20	39020	70	145	165
100-6T/9-7.5 IE3	970		12.30	7.07	5.50	26	46765	71	153	173
100-6T/9-10 IE3	970		15.20	8.83	7.50	34	52255	74	193	213
112-4T/6-10 IE3	1460		14.20	8.17	7.50	10	60350	88	196	205
112-4T/6-15 IE3	1460		20.70	11.99	11.00	14	71340	85	238	259
112-4T/6-20 IE3	1460		27.80	16.03	15.00	18	80660	83	261	279
112-4T/6-25 IE3	1475		35.40	20.39	18.50	22	88285	83	305	341

Technical characteristics

Model[1]	Speed	Maximum admissible current (A)			Installed power	Blade tilt angle	Maximum flow rate	Sound pressure level[2] dB (A)	Approx. weight (Kg)	
	(r/min)	230V	400V	690V	(kW)	(º)	(m^3/h)	Inlet	THT	THT/CL
112-4T/6-30 IE3	1475		42.20	24.44	22.00	26	97800	83	320	355
112-4T/6-40 IE3	1470		53.30	31.02	30.00	32	111565	85	417	455
112-4/8T/6-10	1450 / 720		15.10 / 5.16		7.50 / 1.50	10	60350 / 29970	88 / 73	190	200
112-4/8T/6-15	1470 / 730		20.70 / 7.19		11.00 / 3.00	14	71340 / 35430	85 / 70	232	252
112-4/8T/6-20	1470 / 725		31.72 / 11.70		15.00 / 3.80	18	80660 / 39780	83 / 68	250	268
112-4/8T/6-27	1465 / 725		39.70 / 14.10		20.00 / 5.00	22	88285 / 43690	83 / 68	295	331
112-4/8T/6-37	1475 / 735		54.55 / 18.50		28.00 / 6.50	26	97800 / 48730	83 / 68	356	407
112-4T/9-15 IE3	1460		20.70	11.99	11.00	10	55075	89	244	264
112-4T/9-20 IE3	1460		27.80	16.03	15.00	16	73000	85	266	284
112-4T/9-25 IE3	1475		35.40	20.39	18.50	18	78090	84	310	347
112-4T/9-30 IE3	1475		42.20	24.44	22.00	22	88295	84	326	361
112-4T/9-40 IE3	1470		53.30	31.02	30.00	28	104220	84	422	460
112-4T/9-50 IE3	1480		66.40	38.26	37.00	32	110515	86	530	586
112-4T/9-60 IE3	1475		80.90	46.90	45.00	36	116280	88	574	600
112-4/8T/9-15	1470 / 730		20.70 / 7.19		11.00 / 3.00	10	55075 / 27350	89 / 74	236	257
112-4/8T/9-20	1470 / 725		31.72 / 11.70		15.00 / 3.80	16	73000 / 36000	85 / 70	255	273
112-4/8T/9-27	1465 / 725		39.70 / 14.10		20.00 / 5.00	18	78090 / 38650	84 / 69	300	337
112-4/8T/9-37	1475 / 735		54.55 / 18.50		28.00 / 6.50	22	88295 / 44000	84 / 69	362	412
112-6T/6-3 IE3	960	9.78	5.62		2.20	10	39540	77	162	168
112-6T/6-4 IE3	970	12.80	6.36		3.00	12	43135	76	184	194
112-6T/6-5.5 IE3	970		8.37	4.82	4.00	16	50350	74	194	204
112-6T/6-7.5 IE3	970		12.30	7.07	5.50	24	61025	73	196	207
112-6T/6-10 IE3	970		15.20	8.83	7.50	30	70100	74	240	263
112-6T/6-15 IE3	970		22.50	13.07	11.00	34	75325	76	261	281
112-6/12T/6-3	970 / 490		5.62 / 3.32		2.20 / 0.55	10	39540 / 19970	77 / 62	158	168
112-6/12T/6-4	980 / 490		7.37 / 3.53		2.80 / 0.70	12	43135 / 21570	76 / 61	178	188
112-6/12T/6-5.5	985 / 485		9.54 / 4.27		3.80 / 1.00	16	50350 / 24790	74 / 58	221	231
112-6/12T/6-7.5	970 / 480		14.50 / 5.17		5.50 / 1.00	24	61025 / 30200	73 / 58	224	235
112-6/12T/6-10	975 / 490		13.60 / 5.69		7.20 / 1.80	30	70100 / 35230	74 / 59	240	263
112-6/12T/6-24	980 / 485		41.60 / 13.20		17.60 / 2.85	34	75325 / 37280	76 / 61	313	367
112-6T/9-4 IE3	970	12.80	6.36		3.00	10	33175	78	188	200
112-6T/9-5.5 IE3	970		8.37	4.82	4.00	14	41045	76	199	210
112-6T/9-7.5 IE3	970		12.30	7.07	5.50	18	48400	75	202	213
112-6T/9-10 IE3	970		15.20	8.83	7.50	24	58850	74	245	269
112-6T/9-15 IE3	970		22.50	13.07	11.00	32	69865	76	264	287
112-6T/9-20 IE3	970		29.00	16.78	15.00	40	76980	79	328	362
125-4T/6-20 IE3	1460		27.80	16.03	15.00	10	78600	87	290	318
125-4/8T/6-20	1470 / 725		31.72 / 11.70		15.00 / 3.80	10	78600 / 38770	87 / 72	290	318
125-4T/6-25 IE3	1465		35.40	20.39	18.50	14	92550	86	343	386
125-4/8T/6-27	1470 / 725		39.70 / 14.10		20.00 / 5.00	16	98830 / 48910	85 / 70	357	400
125-4T/6-30 IE3	1470		42.20	24.44	22.00	16	98830	85	357	400
125-4/8T/6-37	1475 / 735		54.55 / 18.50		28.00 / 6.50	20	110890 / 55260	85 / 70	437	481
125-4T/6-40 IE3	1475		53.30	31.02	30.00	22	117450	85	437	481
125-4T/6-50 IE3	1480		66.40	38.26	37.00	26	131050	85	473	529
125-4T/6-60 IE3	1475		80.90	46.90	45.00	28	135820	85	543	599
125-4T/6-75 IE3	1480		98.60	57.20	55.00	34	152095	88	643	699
125-4T/9-25 IE3	1465		35.40	20.39	18.50	10	79650	87	352	395
125-4T/9-30 IE3	1470		42.20	24.44	22.00	12	88290	86	366	409
125-4/8T/9-27	1470 / 725		39.70 / 14.10		20.00 / 5.00	12	88290 / 43690	86 / 71	366	409
125-4/8T/9-37	1475 / 735		54.55 / 18.50		28.00 / 6.50	16	104040 / 51840	85 / 70	446	490
125-4T/9-40 IE3	1475		53.30	31.02	30.00	16	104040	85	446	490
125-4T/9-50 IE3	1480		66.40	38.26	37.00	20	118400	85	482	538
125-4T/9-60 IE3	1475		80.90	46.90	45.00	24	134970	85	534	590
125-4T/9-75 IE3	1480		98.60	57.20	55.00	28	146765	86	634	690
125-4T/9-100 IE4	1480		128.00	74.22	75.00	34	158560	88	773	829
125-4T/12-50 IE3	1480		66.40	38.26	37.00	18	101660	86	516	560

Technical characteristics

Model[1]	Speed	Maximum admissible current (A)			Installed power	Blade tilt angle	Maximum flow rate	Sound pressure level[2] dB (A)	Approx. weight (Kg)	
	(r/min)	230V	400V	690V	(kW)	(º)	(m^3/h)	Inlet	THT	THT/CL
125-4T/12-60 IE3	1475		80.90	46.90	45.00	20	109180	86	561	605
125-4T/12-75 IE3	1480		98.60	57.20	55.00	26	131240	86	661	705
125-4T/12-100 IE4	1480		128.00	74.22	75.00	32	154105	88	791	835
125-6T/6-5.5 IE3	970		8.37	4.82	4.00	10	51500	77	218	251
125-6T/6-7.5 IE3	970		12.30	7.07	5.50	14	60640	75	225	258
125-6/12T/6-7.5	970 / 480		14.50 / 5.17		5.50 / 1.00	14	60640 / 30010	75 / 60	239	272
125-6T/6-10 IE3	960		15.20	8.83	7.50	20	72650	74	255	283
125-6/12T/6-10	970 / 485		13.60 / 5.69		7.20 / 1.80	20	72650 / 36510	74 / 60	275	303
125-6T/6-15 IE3	955		22.50	13.07	11.00	26	85850	74	285	313
125-6/12T/6-15	970 / 485		23.10 / 8.41		11.00 / 3.00	26	85850 / 42710	74 / 59	290	318
125-6T/6-20 IE3	950		29.00	16.78	15.00	30	92850	76	343	386
125-6/12T/6-24	970 / 480		41.60 / 13.20		17.60 / 2.85	34	99650 / 49320	78 / 63	437	481
125-6T/9-10 IE3	960		15.20	8.83	7.50	14	63490	77	264	292
125-6/12T/9-10	970 / 485		13.60 / 5.69		7.20 / 1.80	14	63490 / 31910	77 / 63	284	312
125-6T/9-15 IE3	955		22.50	13.07	11.00	20	77550	75	294	322
125-6/12T/9-15	970 / 485		23.10 / 8.41		11.00 / 3.00	20	77550 / 38580	75 / 60	299	327
125-6T/9-20 IE3	950		29.00	16.78	15.00	26	92950	75	352	395
125-6/12T/9-24	970 / 480		41.60 / 13.20		17.60 / 2.85	30	98500 / 48750	76 / 61	446	490
125-6T/9-25 IE3	975		36.10	20.77	18.50	32	101450	77	372	416
125-6T/9-30 IE3	975		42.30	24.35	22.00	36	106525	80	382	426
125-6T/12-10 IE3	970		15.20	8.83	7.50	12	49625	79	328	372
125-6T/12-15 IE3	970		22.50	13.07	11.00	18	67315	77	338	382
125-6T/12-20 IE3	970		29.00	16.78	15.00	24	81840	76	396	440
125-6T/12-25 IE3	975		36.10	20.77	18.50	30	96765	77	406	450
125-6T/12-30 IE3	975		42.30	24.35	22.00	32	102040	78	416	460
125-6T/12-40 IE3	985		56.00	32.50	30.00	34	106355	79	571	615
140-6T/6-7.5 IE3	970		12.30	7.07	5.50	8	62800	83	260	297
140-6T/6-15 IE3	955		22.50	13.07	11.00	16	86640	78	327	366
140-6T/6-20 IE3	950		29.00	16.78	15.00	22	102950	77	396	445
140-6T/6-25 IE3	975		36.10	20.77	18.50	24	108750	77	448	497
140-6T/6-30 IE3	975		42.30	24.35	22.00	28	119050	77	457	506
140-6T/9-15 IE3	955		22.50	13.07	11.00	12	77400	82	336	375
140-6T/9-20 IE3	950		29.00	16.78	15.00	16	91200	81	405	455
140-6T/9-25 IE3	975		36.10	20.77	18.50	20	103800	80	458	506
140-6T/9-30 IE3	975		42.30	24.35	22.00	22	111000	79	467	515
140-6T/9-40 IE3	985		56.00	32.50	30.00	28	128800	79	611	673
140-6T/9-50 IE3	980		67.20	39.00	37.00	32	135750	80	696	751
140-6T/9-60 IE3	985		84.40	48.90	45.00	38	145610	82	931	986
140-6T/12-30 IE3	975		42.30	24.35	22.00	20	101570	81	492	531
140-6T/12-40 IE3	985		56.00	32.50	30.00	28	128800	80	647	686
140-6T/12-50 IE3	985		67.20	39.00	37.00	32	143360	81	730	769
140-6T/12-60 IE3	985		84.40	48.90	45.00	36	156705	82	940	979
140-6T/12-75 IE3	985		103.00	59.70	55.00	38	162890	83	965	1004
160-6T/6-20 IE3	950		29.00	16.78	15.00	12	111990	85	463	532
160-6T/6-25 IE3	975		36.10	20.77	18.50	14	121100	84	515	584
160-6T/6-30 IE3	975		42.30	24.35	22.00	16	129330	83	524	593
160-6T/6-40 IE3	985		56.00	32.50	30.00	22	153700	82	669	768
160-6T/6-50 IE3	980		67.20	39.00	37.00	26	170800	81	757	842
160-6T/6-60 IE3	985		84.40	48.90	45.00	30	185455	82	984	1064
160-6T/6-75 IE3	985		103.00	59.70	55.00	34	199030	83	1029	1109
160-6T/9-25 IE3	975		36.10	20.77	18.50	10	104250	90	525	594
160-6T/9-30 IE3	975		42.30	24.35	22.00	14	126800	88	534	603
160-6T/9-40 IE3	985		56.00	32.50	30.00	18	145500	86	679	778
160-6T/9-50 IE3	980		67.20	39.00	37.00	20	154940	85	768	852
160-6T/9-60 IE3	985		84.40	48.90	45.00	24	176750	85	968	1067

Technical characteristics

Model[1]	Speed	Maximum admissible current (A)			Installed power	Blade tilt angle	Maximum flow rate	Sound pressure level[2] dB (A)	Approx. weight (Kg)	
	(r/min)	230V	400V	690V	(kW)	(º)	(m^3/h)	Inlet	THT	THT/CL
160-6T/9-75 IE3	985		103.00	59.70	55.00	28	192290	84	1013	1112
160-6T/12-60 IE3	985		84.40	48.90	45.00	20	151615	86	1002	1071
160-6T/12-75 IE3	985		103.00	59.70	55.00	26	182250	85	1047	1116

1. THT: The 40, 45, 50 and 56-2T models only in F300 version.
2. The noise level values are pressures in dB(A) measured at a distance of 3 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

The values given are obtained under laboratory conditions according to ISO 3744.
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
40-2-1.5	47	63	75	83	88	86	82	75
40-4-1.5 (2V)	32	48	60	68	73	71	67	60
40-2-2	47	63	75	83	88	86	82	75
40-4-2 (2V)	32	48	60	68	73	71	67	60
40-4-0.75	37	53	63	70	71	68	67	68
40-6-0.75	28	44	54	61	62	59	58	59
40-12-0.75 (2V)	12	28	38	45	46	43	42	43
45-2-2	47	60	74	86	87	86	82	74
45-4-2 (2V)	32	45	59	71	72	71	67	59
45-2-3	47	64	74	81	88	86	83	75
45-4-3 (2V)	32	49	59	66	73	71	68	60
45-2-4	52	69	78	84	88	88	83	75
45-4-0.75	47	59	67	73	73	73	68	60
45-6-0.75	37	49	57	63	63	63	58	50
45-12-0.75 (2V)	21	33	41	47	47	47	42	34
50-2-3	58	74	84	91	92	89	88	89
50-2-4	58	74	84	91	92	89	88	89
50-4-4 (2V)	43	59	69	76	77	74	73	74
50-2-6	58	74	84	91	92	89	88	89
50-4-6 (2V)	43	59	69	76	77	74	73	74
50-4-0.75	49	61	69	75	75	75	70	62
50-6-0.75	41	53	61	67	67	67	62	54
56-2-5.5	53	66	84	92	94	93	88	81
56-2-6	53	66	84	92	94	93	88	81
56-4-6 (2V)	38	51	69	77	79	78	73	66
56-2-12	54	67	85	93	95	94	89	82
56-4-12 (2V)	39	52	70	78	80	79	74	67
56-4-1	51	63	72	78	78	78	72	64
56-4-1.5	51	63	72	78	78	78	72	64
56-8-1.5 (2V)	35	47	56	62	62	62	56	48
56-4-2	52	64	73	79	79	79	73	65
56-6-0.75	45	55	65	69	70	68	61	53
56-12-0.75 (2V)	29	39	49	53	54	52	45	37
63-2-12	64	81	91	97	98	97	95	97
63-2-20	63	80	90	96	97	96	94	96
63-4-1	48	64	76	82	84	81	74	66
63-4-1.5	47	63	75	81	83	80	73	65
63-8-1.5 (2V)	31	47	59	65	67	64	57	49
63-4-2	54	66	75	81	81	81	75	67
63-8-2 (2V)	39	51	60	66	66	66	60	52
63-4-3	56	68	77	83	83	83	77	69
63-8-3 (2V)	41	53	62	68	68	68	62	54
63-4-4	57	69	78	84	84	84	78	70
63-8-4 (2V)	42	54	63	69	69	69	63	55
63-6-0.75	48	58	68	72	73	71	64	56
63-12-0.75 (2V)	32	42	52	56	57	55	48	40
63-6-1	49	59	69	73	74	72	65	57
63-12-1 (2V)	32	42	52	56	57	55	48	40

	63	125	250	500	1000	2000	4000	8000
71-4-1.5	57	73	80	86	86	86	82	74
71-8-1.5 (2V)	41	57	64	70	70	70	66	58
71-4-2	56	72	79	85	85	85	81	73
71-8-2 (2V)	41	57	64	70	70	70	66	58
71-4-3	56	72	79	85	85	85	81	73
71-8-3 (2V)	41	57	64	70	70	70	66	58
71-4-4	63	75	79	85	85	86	83	75
71-8-4 (2V)	48	60	64	70	70	71	68	60
71-6-0.75	46	53	73	76	76	71	63	55
71-12-0.75 (2V)	30	37	57	60	60	55	47	39
71-6-1	46	64	73	76	76	71	64	55
71-12-1 (2V)	29	47	56	59	59	54	47	38
71-6-1.5	47	65	74	77	77	72	65	56
71-12-1.5 (2V)	32	50	59	62	62	57	50	41
80-4-3	55	71	84	91	91	88	82	74
80-8-3 (2V)	40	56	69	76	76	73	67	59
80-4-4	54	70	83	90	90	87	81	73
80-8-4 (2V)	39	55	68	75	75	72	66	58
80-4-5.5	53	69	82	89	89	86	80	72
80-8-5.5 (2V)	38	54	67	74	74	71	65	57
80-6-1.5	53	68	75	78	79	76	70	62
80-12-1.5 (2V)	38	53	60	63	64	61	55	47
80-6-2	59	69	75	79	80	78	73	65
80-12-2 (2V)	43	53	59	63	64	62	57	49
80-6-3	60	70	76	80	81	79	74	66
80-12-3 (2V)	45	55	61	65	66	64	59	51
80-8-0.75	46	59	67	72	74	71	64	53
80-8-1	47	60	68	73	75	72	65	54
90-4-4	61	77	88	94	95	93	88	80
90-8-4 (2V)	46	62	73	79	80	78	73	65
90-4-5.5	60	76	87	93	94	92	87	79
90-8-5.5 (2V)	45	61	72	78	79	77	72	64
90-4-7.5	59	75	86	92	93	91	86	78
90-8-7.5 (2V)	44	60	71	77	78	76	71	63
90-4-10	58	74	85	91	92	90	85	77
90-8-10 (2V)	43	59	70	76	77	75	70	62
90-6-2	52	67	78	82	82	78	71	63
90-12-2 (2V)	36	51	62	66	66	62	55	47
90-6-3	52	67	78	82	82	78	71	63
90-12-3 (2V)	37	52	63	67	67	63	56	48
90-6-4	60	70	80	85	85	82	76	68
90-12-4 (2V)	45	55	65	70	70	67	61	53
90-8-1	42	63	70	75	78	74	67	56
90-8-2	51	66	73	78	81	77	70	59
90-8-3	53	67	74	79	82	78	71	60
100-4-7.5	67	83	90	97	98	96	92	84
100-8-7.5 (2V)	52	68	75	82	83	81	77	69
100-4-10	65	81	88	95	96	94	90	82

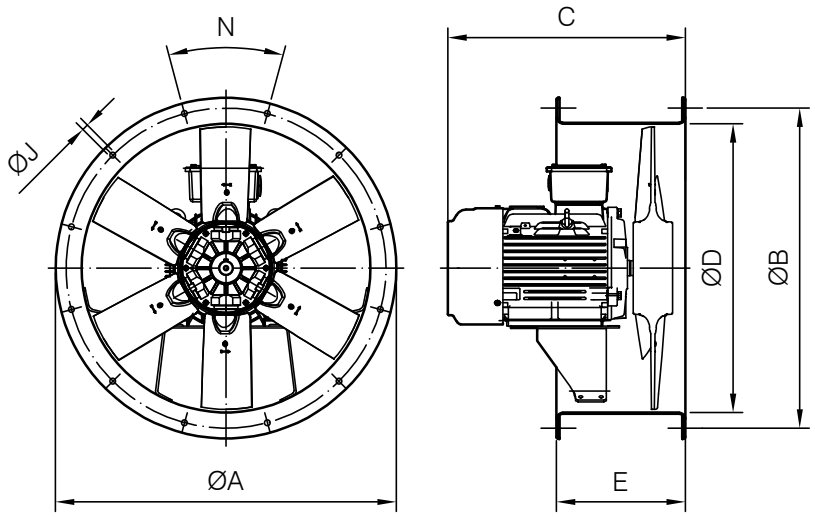
Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.
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
100-8-10 (2V)	50	66	73	80	81	79	75	67
100-4-15	71	83	87	93	94	94	91	83
100-8-15 (2V)	56	68	72	78	79	79	76	68
100-4-20	72	84	88	94	95	95	92	84
100-8-20 (2V)	57	69	73	79	80	80	77	69
100-4/9-15	65	81	88	95	96	94	90	82
100-4/9-20	72	84	88	94	95	95	92	84
100-4/9-25	72	84	88	94	95	95	92	84
100-4/9-30	74	86	90	96	97	97	94	86
100-6-3	57	72	82	85	86	83	75	67
100-12-3 (2V)	42	57	67	70	71	68	60	52
100-6-4	56	71	81	84	85	82	74	66
100-12-4 (2V)	41	56	66	69	70	67	59	51
100-6-5.5	57	72	82	85	86	83	75	67
100-6/9-5.5	57	72	82	85	86	83	75	67
100-6/9-7.5	58	73	83	86	87	84	76	68
100-6/9-10	61	76	86	89	90	87	79	71
112-4/6-10	72	88	95	102	103	101	97	89
112-8/6-10 (2V)	57	73	80	87	88	86	82	74
112-4/6-15	69	85	92	99	100	98	94	86
112-8/6-15 (2V)	54	70	77	84	85	83	79	71
112-4/6-20	67	83	90	97	98	96	92	84
112-8/6-20 (2V)	52	68	75	82	83	81	77	69
112-4/6-25	67	83	90	97	98	96	92	84
112-4/6-27	67	83	90	97	98	96	92	84
112-8/6-27 (2V)	52	68	75	82	83	81	77	69
112-4/6-30	74	86	90	96	97	97	94	86
112-4/6-37	74	86	90	96	97	97	94	86
112-8/6-37 (2V)	59	71	75	81	82	82	79	71
112-4/6-40	76	88	92	98	99	99	96	88
112-4/9-15	73	89	96	103	104	102	98	90
112-8/9-15 (2V)	58	74	81	88	89	87	83	75
112-4/9-20	69	85	92	99	100	98	94	86
112-8/9-20 (2V)	54	70	77	84	85	83	79	71
112-4/9-25	68	84	91	98	99	97	93	85
112-4/9-27	68	84	91	98	99	97	93	85
112-8/9-27 (2V)	53	69	76	83	84	82	78	70
112-4/9-30	68	84	91	98	99	97	93	85
112-4/9-37	68	84	91	98	99	97	93	85
112-8/9-37 (2V)	53	69	76	83	84	82	78	70
112-4/9-40	75	87	91	97	98	98	95	87
112-4/9-50	77	89	93	99	100	100	97	89
112-4/9-60	79	91	95	101	102	102	99	91
112-6/6-3	63	78	88	91	92	89	81	73
112-12/6-3 (2V)	48	63	73	76	77	74	66	58
112-6/6-4	62	77	87	90	91	88	80	72
112-12/6-4 (2V)	47	62	72	75	76	73	65	57
112-6/6-5.5	60	75	85	88	89	86	78	70
112-12/6-5.5 (2V)	45	60	70	73	74	71	63	55
112-6/6-7.5	59	74	84	87	88	85	77	69
112-12/6-7.5 (2V)	44	59	69	72	73	70	62	54
112-6/6-10	60	75	85	88	89	86	78	70
112-12/6-10 (2V)	45	60	70	73	74	71	63	55
112-6/6-15	62	77	87	90	91	88	80	72
112-6/6-24	62	77	87	90	91	88	80	72
112-12/6-24 (2V)	47	62	72	75	76	73	65	57
112-6/9-4	64	79	89	92	93	90	82	74
112-6/9-5.5	62	77	87	90	91	88	80	72
112-6/9-7.5	61	76	86	89	90	87	79	71
112-6/9-10	60	75	85	88	89	86	78	70
112-6/9-15	62	77	87	90	91	88	80	72
112-6/9-20	65	80	90	93	94	91	83	75
125-4/6-20	69	85	96	103	104	102	95	87
125-8/6-20 (2V)	54	70	81	88	89	87	80	72
125-4/6-25	68	84	95	102	103	101	94	86
125-4/6-27	67	83	94	101	102	100	93	85
125-8/6-27 (2V)	52	68	79	86	87	85	78	70
125-4/6-30	67	83	94	101	102	100	93	85
125-4/6-37	67	83	94	101	102	100	93	85
125-8/6-37 (2V)	52	68	79	86	87	85	78	70
125-4/6-40	67	83	94	101	102	100	93	85
125-4/6-50	67	83	94	101	102	100	93	85
125-4/6-60	67	83	94	101	102	100	93	85

	63	125	250	500	1000	2000	4000	8000
125-4/6-75	70	86	97	104	105	103	96	88
125-4/9-25	67	81	94	102	104	101	96	88
125-4/9-27	66	80	93	101	103	100	95	87
125-8/9-27 (2V)	51	65	78	86	88	85	80	72
125-4/9-30	66	80	93	101	103	100	95	87
125-4/9-37	65	79	92	100	102	99	94	86
125-8/9-37 (2V)	50	64	77	85	87	84	79	71
125-4/9-40	65	79	92	100	102	99	94	86
125-4/9-50	65	79	92	100	102	99	94	86
125-4/9-60	73	86	95	99	101	100	96	89
125-4/9-75	74	87	96	100	102	101	97	90
125-4/9-100	76	89	98	102	104	103	99	92
125-4/12-50	66	80	93	101	103	100	95	87
125-4/12-60	66	80	93	101	103	100	95	87
125-4/12-75	74	87	96	100	102	101	97	90
125-4/12-100	76	89	98	102	104	103	99	92
125-6/6-5.5	64	79	89	92	93	90	85	77
125-6/6-7.5	62	77	87	90	91	88	83	75
125-12/6-7.5 (2V)	47	62	72	75	76	73	68	60
125-6/6-10	61	76	86	89	90	87	82	74
125-12/6-10 (2V)	46	61	71	74	75	72	67	59
125-6/6-15	61	76	86	89	90	87	82	74
125-12/6-15 (2V)	45	60	70	73	74	71	66	58
125-6/6-20	63	78	88	91	92	89	84	76
125-6/6-24	65	80	90	93	94	91	86	78
125-12/6-24 (2V)	50	65	75	78	79	76	71	63
125-6/9-10	61	76	87	93	94	88	84	77
125-12/9-10 (2V)	46	61	72	78	79	73	69	62
125-6/9-15	59	74	85	91	92	86	82	75
125-12/9-15 (2V)	43	58	69	75	76	70	66	59
125-6/9-20	59	74	85	91	92	86	82	75
125-6/9-24	60	75	86	92	93	87	83	76
125-12/9-24 (2V)	45	60	71	77	78	72	68	61
125-6/9-25	61	76	87	93	94	88	84	77
125-6/9-30	64	79	90	96	97	91	87	80
125-6/12-10	63	78	89	95	96	90	86	79
125-6/12-15	61	76	87	93	94	88	84	77
125-6/12-20	60	75	86	92	93	87	83	76
125-6/12-25	61	76	87	93	94	88	84	77
125-6/12-30	62	77	88	94	95	89	85	78
125-6/12-40	63	78	89	95	96	90	86	79
140-6/6-7.5	63	79	91	97	98	96	94	96
140-6/6-15	58	74	86	92	93	91	89	91
140-6/6-20	57	73	85	91	92	90	88	90
140-6/6-25	56	72	84	92	94	89	87	89
140-6/6-30	57	73	85	91	92	90	88	90
140-6/9-15	64	77	89	97	99	95	91	83
140-6/9-20	63	76	88	96	98	94	90	82
140-6/9-25	62	75	87	95	97	93	89	81
140-6/9-30	61	74	86	94	96	92	88	80
140-6/9-40	61	74	86	94	96	92	88	80
140-6/9-50	52	65	76	85	91	94	98	92
140-6/9-60	54	67	78	87	93	96	100	94
140-6/12-30	63	76	88	96	98	94	90	82
140-6/12-40	62	75	87	95	97	93	89	81
140-6/12-50	53	66	77	86	92	95	99	93
140-6/12-60	54	67	78	87	93	96	100	94
140-6/12-75	55	68	79	88	94	97	101	95
160-6/6-20	67	83	92	99	100	98	97	97
160-6/6-25	66	82	91	98	99	97	96	96
160-6/6-30	66	82	91	98	99	96	96	96
160-6/6-40	64	80	89	96	97	95	94	94
160-6/6-50	64	80	89	96	97	94	94	94
160-6/6-60	64	80	89	96	97	95	94	94
160-6/6-75	56	69	78	86	92	97	100	100
160-6/9-25	75	88	97	105	107	105	100	91
160-6/9-30	73	86	95	103	105	103	98	89
160-6/9-40	71	84	93	101	103	101	96	87
160-6/9-50	70	83	92	100	102	100	95	86
160-6/9-60	70	83	92	100	102	100	95	86
160-6/9-75	59	72	80	87	88	100	103	96
160-6/12-60	71	84	93	101	103	101	96	87
160-6/12-75	60	73	81	88	89	101	104	97

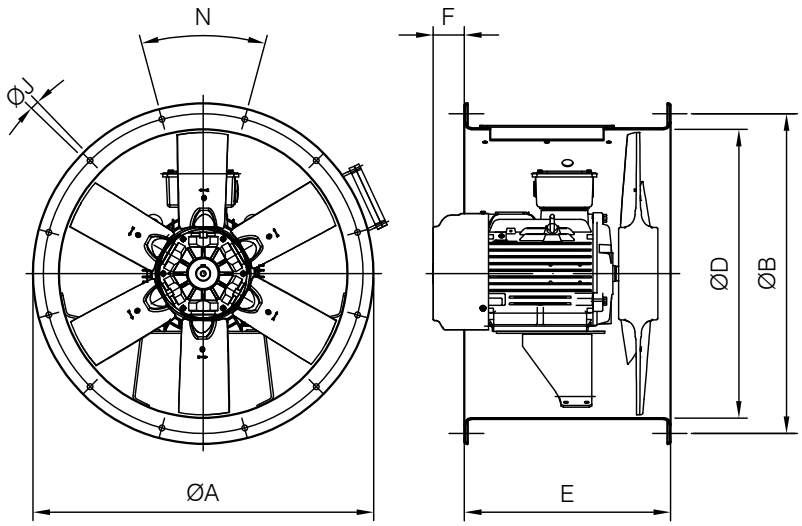
Dimensions mm



	Motor size	ØA	ØB	C	ØD	E	ØJ	N
THT-40	80	490	450	356	410	250	12	8x45º
THT-40	90S	490	450	398.5	410	250	12	8x45º
THT-40	90L	490	450	429	410	250	12	8x45º
THT-45	80	540	500	356	460	250	12	8x45º
THT-45	90S	540	500	398.5	460	250	12	8x45º
THT-45	90L	540	500	429	460	250	12	8x45º
THT-45	100	540	500	435	460	250	12	8x45º
THT-50	80	600	560	356	514	250	12	12x30º
THT-50	90S	600	560	398.5	514	250	12	12x30º
THT-50	90L	600	560	429	514	250	12	12x30º
THT-50	100	600	560	435	514	250	12	12x30º
THT-50	112	600	560	456.5	514	250	12	12x30º
THT-56	80	660	620	356	560	250	12	12x30º
THT-56	90S	660	620	398.5	560	250	12	12x30º
THT-56	90L	660	620	429	560	250	12	12x30º
THT-56	100	660	620	432	560	250	12	12x30º
THT-56	112	660	620	460.5	560	250	12	12x30º
THT-56	132S	660	620	495	560	250	12	12x30º
THT-56	132M	660	620	533	560	250	12	12x30º
THT-63	80	730	690	356	640	250	12	12x30º
THT-63	90S	730	690	398.5	640	250	12	12x30º
THT-63	90L	730	690	429	640	250	12	12x30º
THT-63	100	730	690	432	640	250	12	12x30º
THT-63	112	730	690	455.5	640	250	12	12x30º
THT-63	132S	730	690	523	640	250	12	12x30º
THT-63	132M	730	690	561	640	250	12	12x30º
THT-63	160M	730	690	660	640	350	12	12x30º
THT-63	160L	730	690	704	640	350	12	12x30º
THT-71	80	810	770	363	710	300	12	16x22º30'
THT-71	90S	810	770	398.5	710	300	12	16x22º30'
THT-71	90L	810	770	429	710	300	12	16x22º30'
THT-71	100	810	770	434	710	300	12	16x22º30'
THT-71	112	810	770	452.5	710	300	12	16x22º30'
THT-80	90L	900	860	426.5	800	300	12	16x22º30'
THT-80	100	900	860	462	800	300	12	16x22º30'
THT-80	112	900	860	480.5	800	300	12	16x22º30'
THT-80	132S	900	860	516	800	300	12	16x22º30'
THT-90	100	1015	970	472	900	350	15	16x22º30'
THT-90	112	1015	970	500.5	900	350	15	16x22º30'
THT-90	132S	1015	970	526	900	350	15	16x22º30'
THT-90	132M	1015	970	564	900	350	15	16x22º30'

	Motor size	ØA	ØB	C	ØD	E	ØJ	N
THT-100	112	1115	1070	490.5	1000	450	15	16x22º30'
THT-100	132S	1115	1070	526	1000	450	15	16x22º30'
THT-100	132M	1115	1070	564	1000	450	15	16x22º30'
THT-100	160M	1115	1070	658	1000	450	15	16x22º30'
THT-100	160L	1115	1070	702	1000	450	15	16x22º30'
THT-100	180M	1115	1070	711	1000	450	15	16x22º30'
THT-100	180L	1115	1070	749	1000	450	15	16x22º30'
THT-112	112	1235	1190	580	1120	500	15	20x18º
THT-112	132S	1235	1190	620	1120	500	15	20x18º
THT-112	132M	1235	1190	665	1120	500	15	20x18º
THT-112	160M	1235	1190	655	1120	500	15	20x18º
THT-112	160L	1235	1190	715	1120	500	15	20x18º
THT-112	180M	1235	1190	720	1120	500	15	20x18º
THT-112	180L	1235	1190	745	1120	500	15	20x18º
THT-112	200	1235	1190	845	1120	500	15	20x18º
THT-112	225S	1235	1190	865	1120	500	15	20x18º
THT-112	225M	1235	1190	920	1120	500	15	20x18º
THT-125	132M	1365	1320	603.5	1250	500	15	20x18º
THT-125	160M	1365	1320	660	1250	500	15	20x18º
THT-125	160L	1365	1320	704	1250	500	15	20x18º
THT-125	180M	1365	1320	715	1250	500	15	20x18º
THT-125	180L	1365	1320	753	1250	500	15	20x18º
THT-125	200	1365	1320	824.5	1250	500	15	20x18º
THT-125	225	1365	1320	881	1250	500	15	20x18º
THT-125	250	1365	1320	1025.5	1250	700	15	20x18º
THT-125	280	1365	1320	1129.6	1250	900	15	20x18º
THT-140	132S	1515	1470	537	1400	400	15	20x18º
THT-140	132M	1515	1470	575	1400	400	15	20x18º
THT-140	160L	1515	1470	704	1400	450	15	20x18º
THT-140	180L	1515	1470	762	1400	550	15	20x18º
THT-140	200	1515	1470	824.5	1400	550	15	20x18º
THT-140	225	1515	1470	881	1400	550	15	20x18º
THT-140	250	1515	1470	1025.5	1400	600	15	20x18º
THT-140	280	1515	1470	1110	1400	700	15	20x18º
THT-160	132S	1735	1680	537	1600	400	19	24x15º
THT-160	132M	1735	1680	575	1600	400	19	24x15º
THT-160	160L	1735	1680	704	1600	450	19	24x15º
THT-160	180L	1735	1680	762	1600	550	19	24x15º
THT-160	200	1735	1680	824.5	1600	550	19	24x15º
THT-160	225	1735	1680	881	1600	550	19	24x15º
THT-160	250	1735	1680	1025.5	1600	600	19	24x15º
THT-160	280	1735	1680	1110	1600	700	19	24x15º

Dimensions mm



	Motor size	ØA	ØB	C	ØD	E	ØJ	N
THT/CL-40	80	490	450	410	400	-	12	8x45º
THT/CL-40	90S	490	450	410	400	-	12	8x45º
THT/CL-40	90L	490	450	410	400	29	12	8x45º
THT/CL-45	80	540	500	460	400	-	12	8x45º
THT/CL-45	90S	540	500	460	400	-	12	8x45º
THT/CL-45	90L	540	500	460	400	29	12	8x45º
THT/CL-45	100	540	500	460	400	35	12	8x45º
THT/CL-50	80	600	560	514	400	-	12	12x30º
THT/CL-50	90S	600	560	514	400	-	12	12x30º
THT/CL-50	90L	600	560	514	400	29	12	12x30º
THT/CL-50	100	600	560	514	400	35	12	12x30º
THT/CL-50	112	600	560	514	400	56.5	12	12x30º
THT/CL-56	80	660	620	560	400	-	12	12x30º
THT/CL-56	90S	660	620	560	400	-	12	12x30º
THT/CL-56	90L	660	620	560	400	29	12	12x30º
THT/CL-56	100	660	620	560	500	-	12	12x30º
THT/CL-56	112	660	620	560	500	60.5	12	12x30º
THT/CL-56	132S	660	620	560	500	15	12	12x30º
THT/CL-56	132M	660	620	560	500	53	12	12x30º
THT/CL-63	80	730	690	640	400	-	12	12x30º
THT/CL-63	90S	730	690	640	400	-	12	12x30º
THT/CL-63	90L	730	690	640	400	29	12	12x30º
THT/CL-63	100	730	690	640	500	-	12	12x30º
THT/CL-63	112	730	690	640	500	-	12	12x30º
THT/CL-63	132S	730	690	640	500	43	12	12x30º
THT/CL-63	132M	730	690	640	500	81	12	12x30º
THT/CL-63	160M	730	690	640	650	-	12	12x30º
THT/CL-63	160L	730	690	640	650	29	12	12x30º
THT/CL-71	80	810	770	710	430	-	12	16x22º30'
THT/CL-71	90S	810	770	710	430	-	12	16x22º30'
THT/CL-71	90L	810	770	710	430	19	12	16x22º30'
THT/CL-71	100	810	770	710	430	24	12	16x22º30'
THT/CL-71	112	810	770	710	500	-	12	16x22º30'
THT/CL-80	90L	900	860	800	430	27	12	16x22º30'
THT/CL-80	100	900	860	800	500	-	12	16x22º30'
THT/CL-80	112	900	860	800	500	-	12	16x22º30'
THT/CL-80	132S	900	860	800	600	-	12	16x22º30'
THT/CL-90	100	1015	970	900	600	-	15	16x22º30'
THT/CL-90	112	1015	970	900	600	-	15	16x22º30'
THT/CL-90	132S	1015	970	900	600	-	15	16x22º30'
THT/CL-90	132M	1015	970	900	600	-	15	16x22º30'
THT/CL-100	112	1115	1070	1000	600	-	15	16x22º30'

	Motor size	ØA	ØB	C	ØD	E	ØJ	N
THT/CL-100	132S	1115	1070	1000	600	-	15	16x22º30'
THT/CL-100	132M	1115	1070	1000	600	-	15	16x22º30'
THT/CL-100	160M	1115	1070	1000	700	-	15	16x22º30'
THT/CL-100	160L	1115	1070	1000	700	2	15	16x22º30'
THT/CL-100	180M	1115	1070	1000	700	11	15	16x22º30'
THT/CL-100	180L	1115	1070	1000	700	49	15	16x22º30'
THT/CL-112	112	1235	1190	1120	600	-	15	20x18º
THT/CL-112	132S	1235	1190	1120	600	22	15	20x18º
THT/CL-112	132M	1235	1190	1120	600	67	15	20x18º
THT/CL-112	132MA	1235	1190	1120	700	-	15	20x18º
THT/CL-112	160M	1235	1190	1120	700	-	15	20x18º
THT/CL-112	160L	1235	1190	1120	700	17	15	20x18º
THT/CL-112	180M	1235	1190	1120	900	-	15	20x18º
THT/CL-112	180L	1235	1190	1120	900	-	15	20x18º
THT/CL-112	200	1235	1190	1120	900	-	15	20x18º
THT/CL-112	225	1235	1190	1120	1000	-	15	20x18º
THT/CL-125	132M	1365	1320	1250	700	-	15	20x18º
THT/CL-125	160M	1365	1320	1250	700	-	15	20x18º
THT/CL-125	160L	1365	1320	1250	700	-	15	20x18º
THT/CL-125	180M	1365	1320	1250	900	-	15	20x18º
THT/CL-125	180L	1365	1320	1250	900	-	15	20x18º
THT/CL-125	200	1365	1320	1250	900	-	15	20x18º
THT/CL-125	225	1365	1320	1250	1000	-	15	20x18º
THT/CL-125	250	1365	1320	1250	1000	25.5	15	20x18º
THT/CL-125	280	1365	1320	1250	1200	-	15	20x18º
THT/CL-140	132S	1515	1470	1400	650	-	15	20x18º
THT/CL-140	132M	1515	1470	1400	650	-	15	20x18º
THT/CL-140	160L	1515	1470	1400	700	5	15	20x18º
THT/CL-140	180L	1515	1470	1400	900	-	15	20x18º
THT/CL-140	200	1515	1470	1400	900	-	15	20x18º
THT/CL-140	225	1515	1470	1400	1000	-	15	20x18º
THT/CL-140	250	1515	1470	1400	1000	5.5	15	20x18º
THT/CL-140	280	1515	1470	1400	1200	5.5	15	20x18º
THT/CL-160	132S	1735	1680	1600	650	-	19	24x15º
THT/CL-160	132M	1735	1680	1600	650	-	19	24x15º
THT/CL-160	160L	1735	1680	1600	700	5	19	24x15º
THT/CL-160	180L	1735	1680	1600	900	-	19	24x15º
THT/CL-160	200	1735	1680	1600	900	-	19	24x15º
THT/CL-160	225	1735	1680	1600	1000	-	19	24x15º
THT/CL-160	250	1735	1680	1600	1000	30.5	19	24x15º
THT/CL-160	280	1735	1680	1600	1200	-	19	24x15º

* Dimension F only applies to F400 models.

Motor build sizes depending on power (1 speed)

	0,75	1	1,5	2	3	4	5,5	7,5	10	12	15	20
2T (3000 r/min)	80	80	80	90S	90L	100LB	112M	132S	132S	132MA	160M	160M
4T (1500 r/min)	80	90S	90S	90L	100LA	100LB	112M	132S	132M	-	160ML	160L
6T (1000 r/min)	90S	90S	90L	100L	112M	132S	132MA	132MB	160M	-	160L	180ML
8T (750 r/min)	90L	100LA	100L	112M	132S	132M	160MA	160M	160L	-	180L	200MLA

	22	25	30	40	50	60	75	100
2T (3000 r/min)	160L	180M	180L	200L	225S/M	225S/M	250S/M	280S/M
4T (1500 r/min)	-	180M	180L	200L	225S/M	225S/M	250S/M	280S/M
6T (1000 r/min)	-	200MLA	200MLB	225SMB	250S/M	280S/M	280S/M	-
8T (750 r/min)	-	225SMA	225SMB	250SMA	280S/M	280S/M	-	-

Motor build sizes depending on power (2 speeds)

	0,75	1	1,5	2	3	4	5,5	6	7,5	8	9	10
2/4 (3000/1500 r/min)	-	-	90S	90S	90L	100L	-	112M	-	-	132M	-
4/8 (1500/750 r/min)	-	-	90S	100L	100LA	100LC	132S	-	132S	132S	132ML	132M
6/12 (1000/500 r/min)	90L	100L	100LB	112M	112M	132MC	160M	160M	160LB	160LB	-	160LB

	12	15	18	20	22	24	27	37	38	40
2/4 (3000/1500 r/min)	160MA	-	160M	-	160L	-	-	-	-	-
4/8 (1500/750 r/min)	-	160M	-	160L	180M	180M	180L	200MLA	200L	225S/M
6/12 (1000/500 r/min)	-	200MLC	160L	200M	-	250SMB	225S/M	-	225S/M	-

Accessories


INT


IAT


CABLE BOX

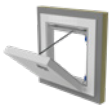

C2V


VSD3/A-RFT - VSD1/A-RFM

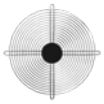

BOXPARK


CENTRAL CO


AET


FRIDGE/FLAP


P-400


RT


R/THT


PV


BTUB


BAC


PS


ACE ACE/400


S

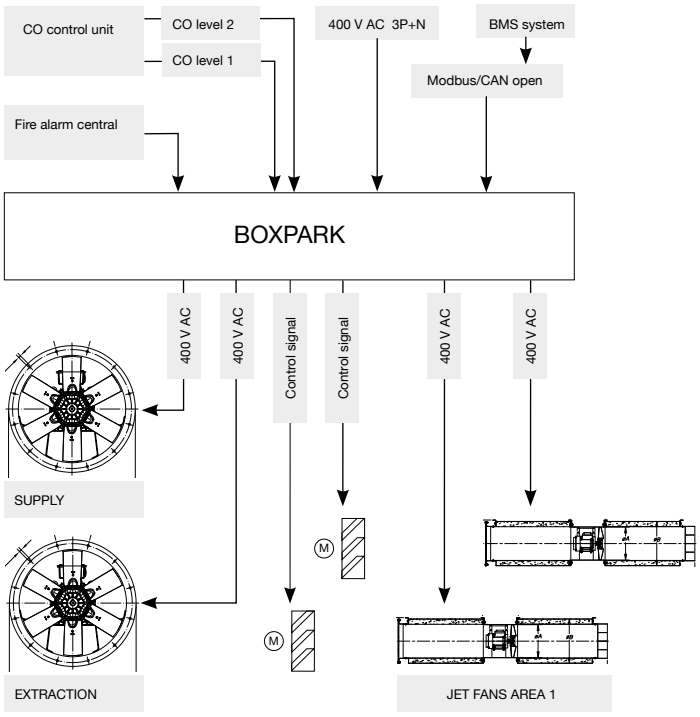
Configuration with BOXPARK

Control panels for car park ventilation systems with triple purpose: daily ventilation, CO concentration control and smoke extraction in case of fire

Control panels in metal enclosure with all the necessary elements for the management and control of fans in car park ventilation systems, whether they are based on duct networks or impulse fans, for the control of CO concentration levels and smoke extraction in case of fire. Customised panels for all power ratings and number of fans according to project requirements.

More information see BOXPARK series.

Installation examples with BOXPARK



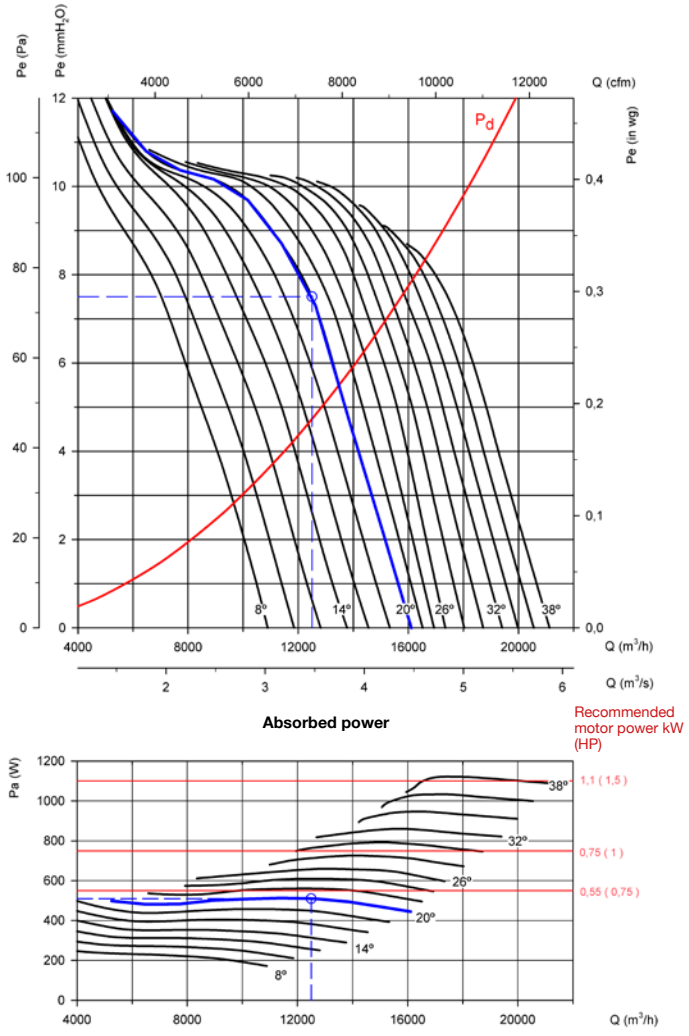
EXAMPLE OF SELECTION

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 71 **Number of motor poles: 6** **Number of blades: 6**



Initial data
Working point:
- Flow rate: 12.500 m³/h
- Loss of load: 7,5 mmH_2O

Steps for the selection of equipment
On the pressure graph:
- Mark the working point, defined by the airflow (12,500 m³/h) and the loss of load (7.5 mmH_2O).
- Select the curve of the equipment which is closest above the working point. In our case, a curve with a blade angle of 20º is obtained.

On the power graph:
- Mark the working point, defined by the airflow (12,500 m³/h) and the selected blade angle (20º).
- Read the absorbed power on the power axis on the left. Pa= 510 W at the working point.
- Look for the straight red line which is closest to the working point above. On the right-hand side of the graph, the value of the installed motor power is obtained. In our case, this is 0.55 kW or 0.75 HP.

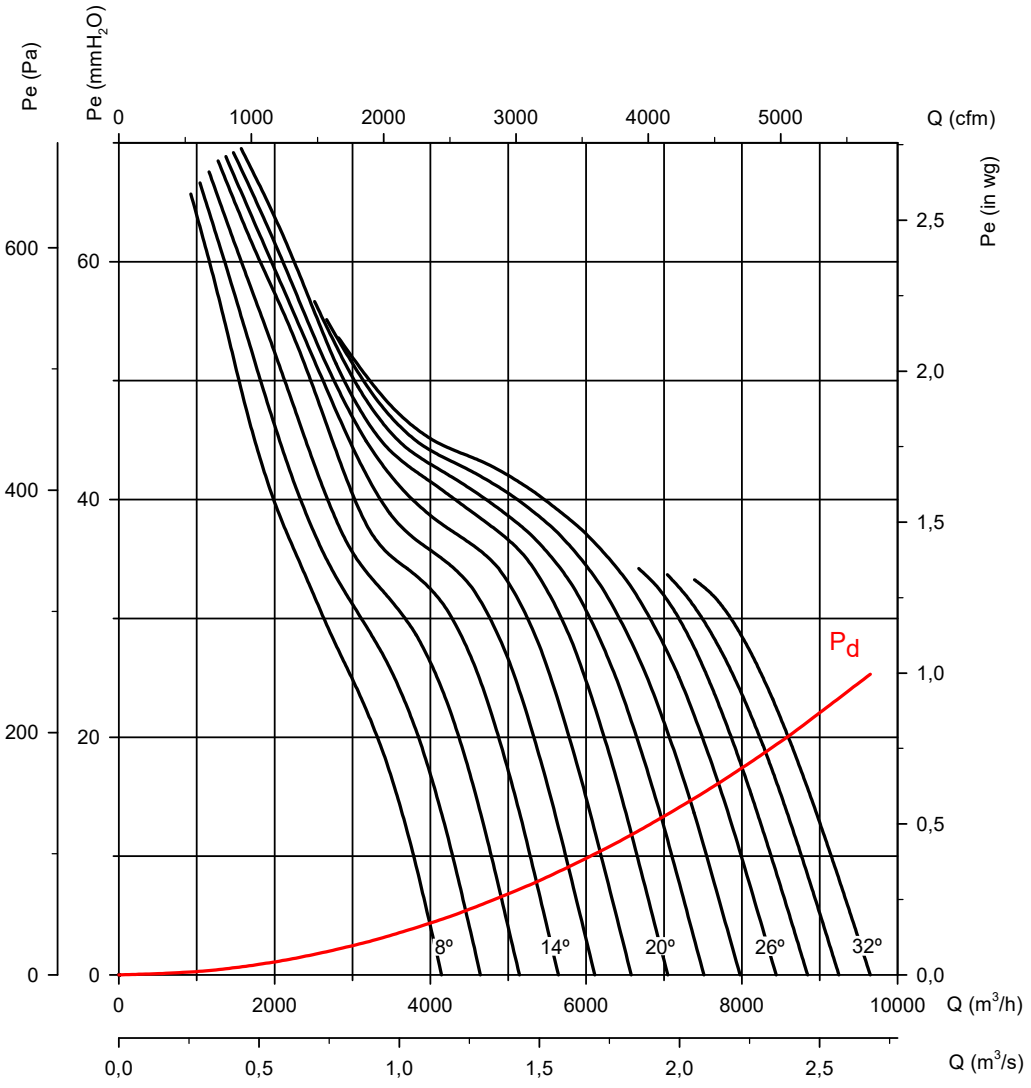
EXAMPLE OF ORDER CODE

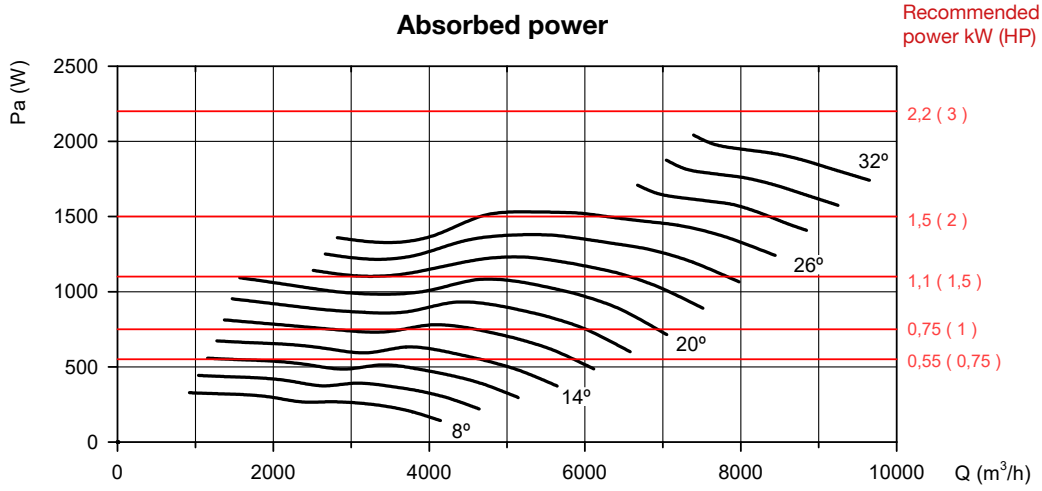
THT	—	71	—	6T	—	0.75	—	F400
Name of series: THT		Impeller diameter in cm		Number of motor poles 2=3000 r/min 50 Hz 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz 8=750 r/min 50 Hz 12=500 r/min 50 Hz	T = Three-phase	Motor power (HP)		F300: 300 ºC/2h approved F400: 400 ºC/2h approved

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 40 **Number of motor poles: 2** **Number of blades: 6**

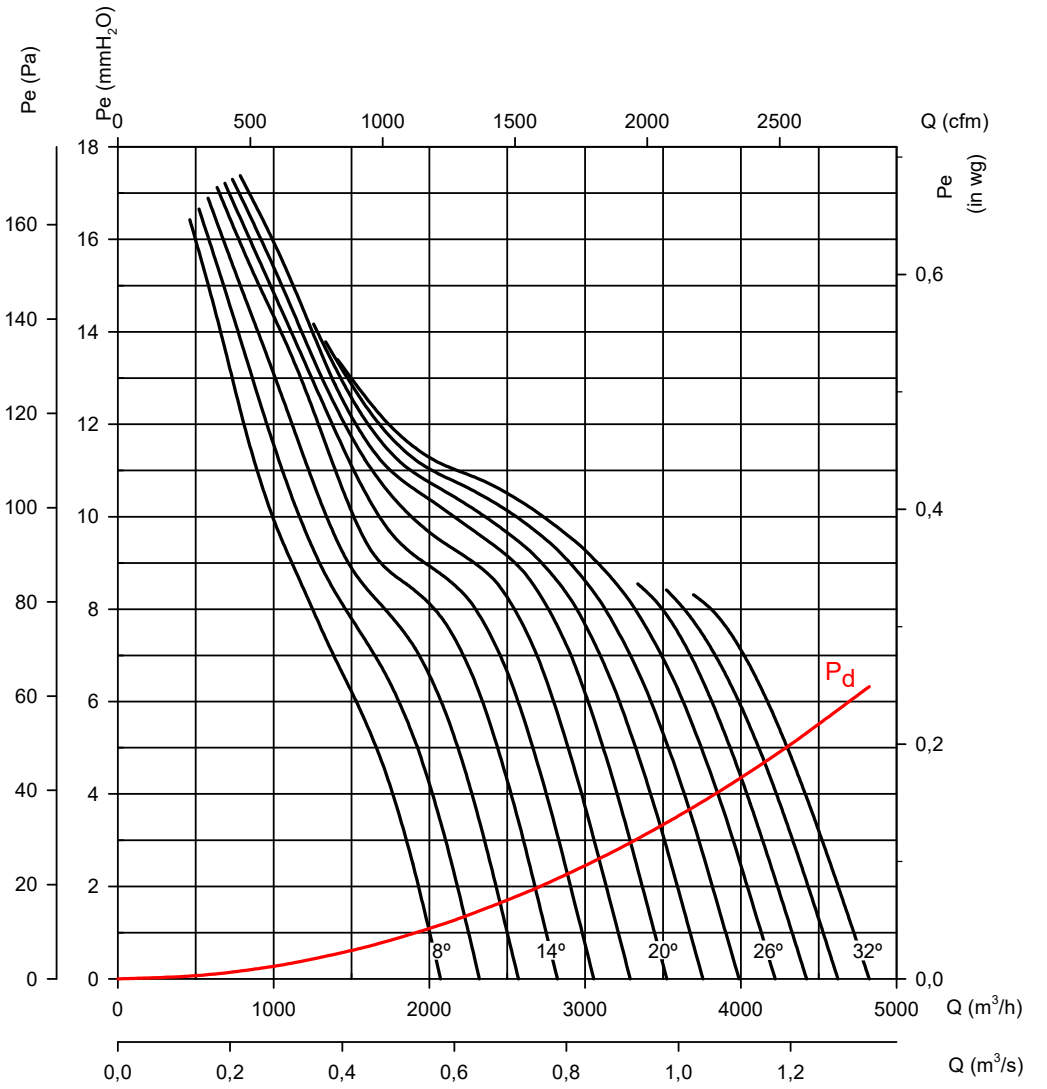


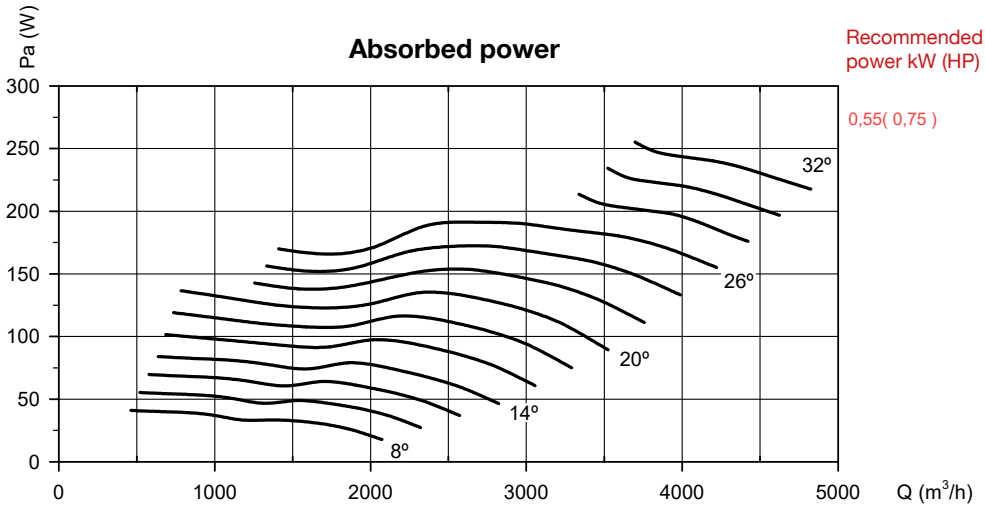


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 40 **Number of motor poles: 4** **Number of blades: 6**





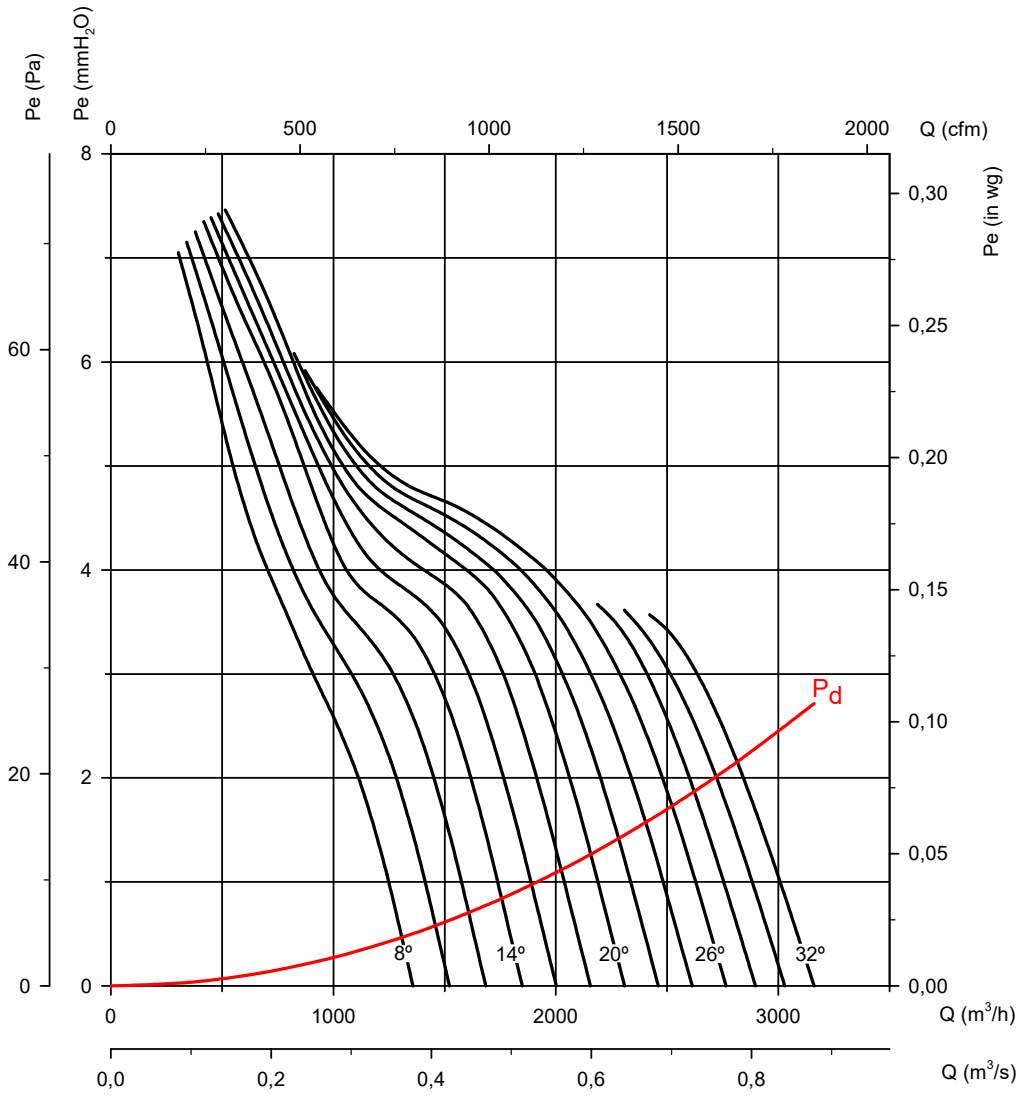
Recommended motor power kW (HP)

0,55(0,75)

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

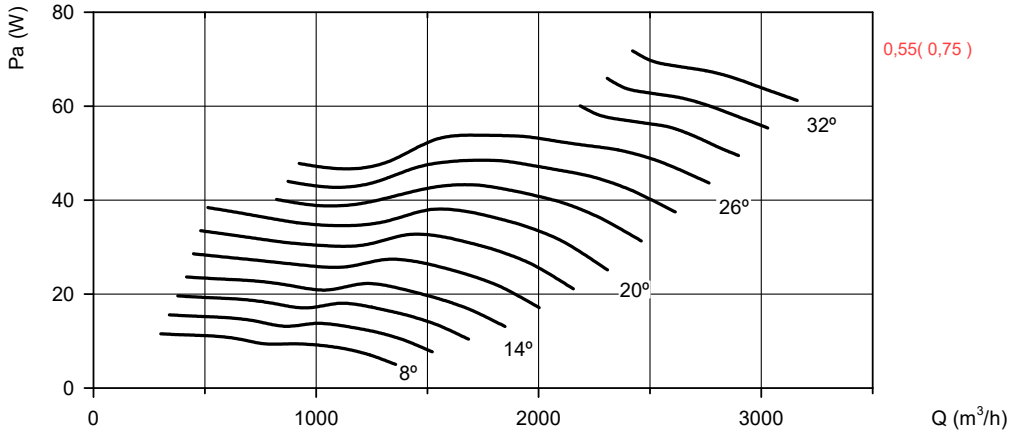
Impeller diameter in cm: 40 **Number of motor poles: 6** **Number of blades: 6**



Absorbed power

Recommended motor power kW (HP)

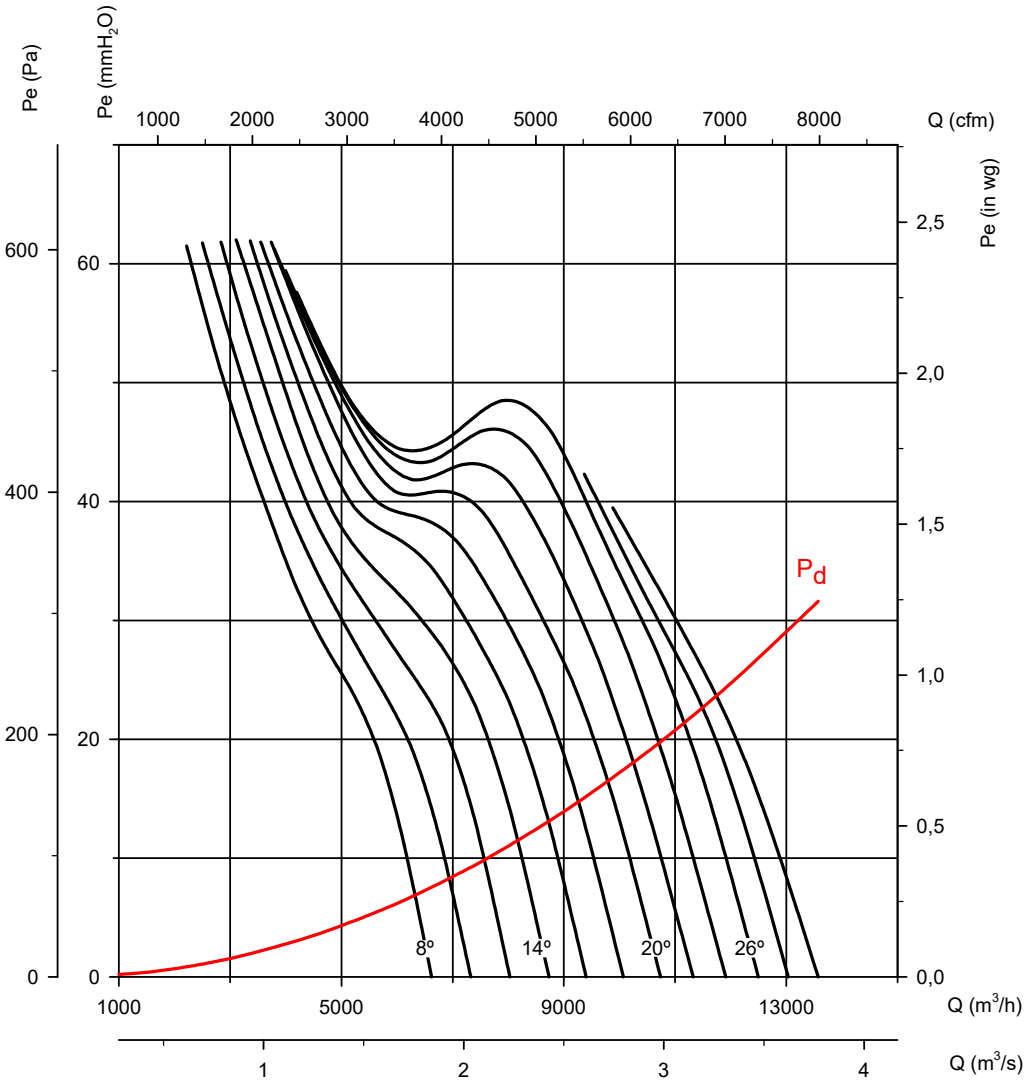
0,55(0,75)

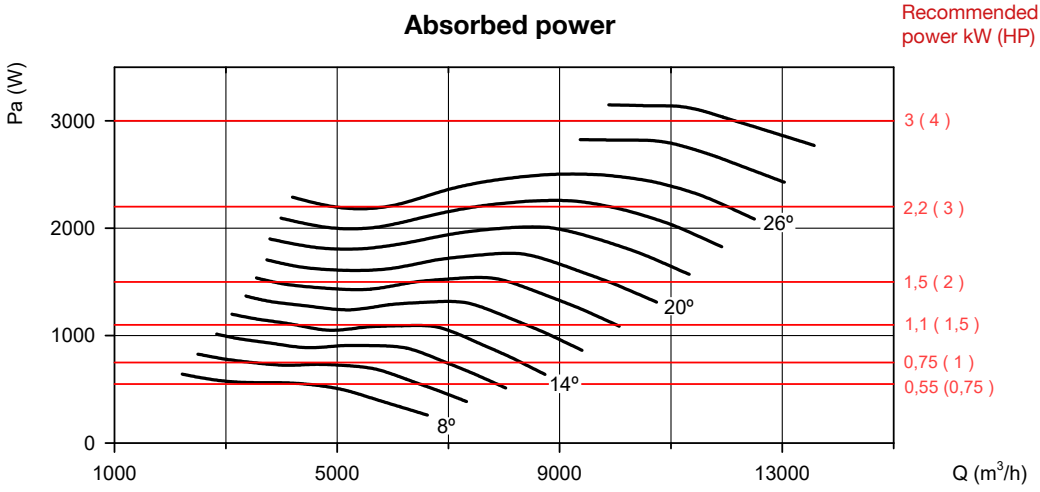


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 45 **Number of motor poles: 2** **Number of blades: 6**

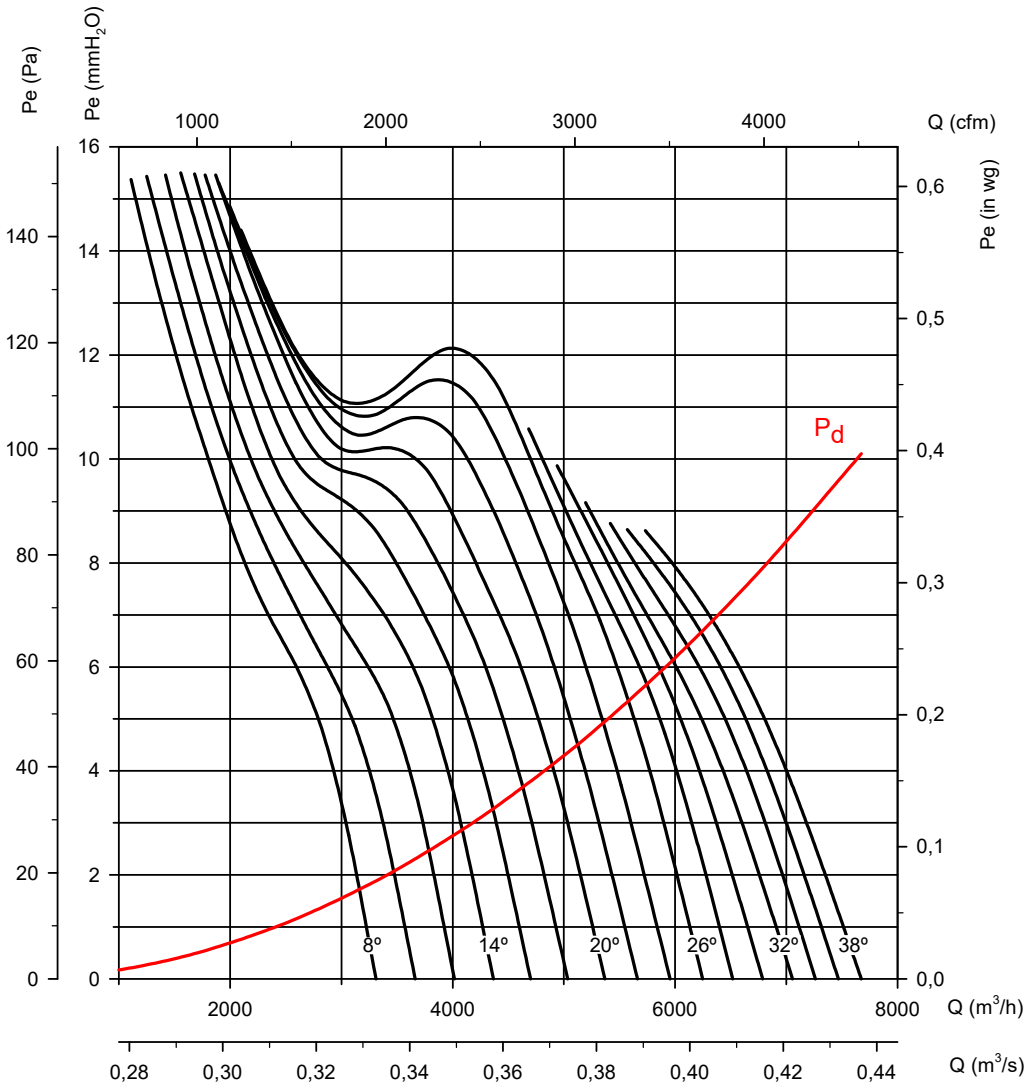


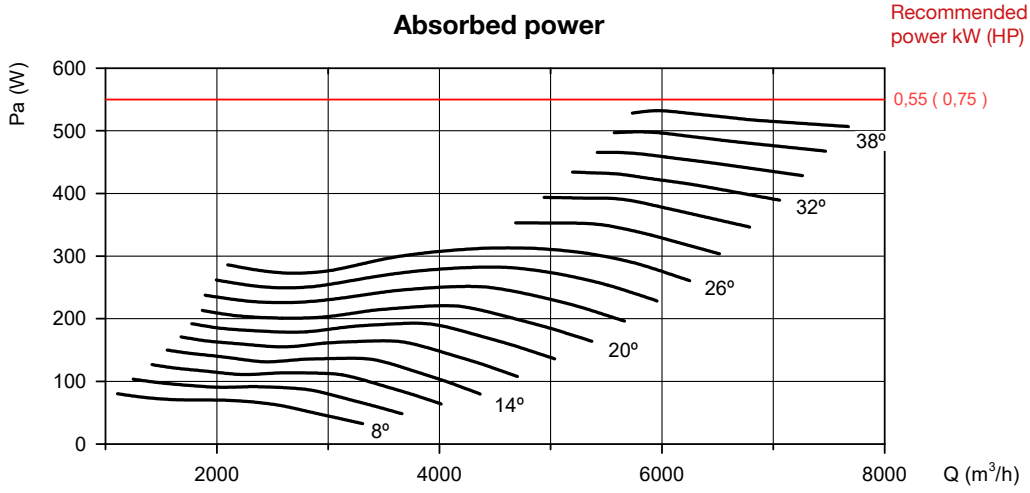


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 45 **Number of motor poles: 4** **Number of blades: 6**

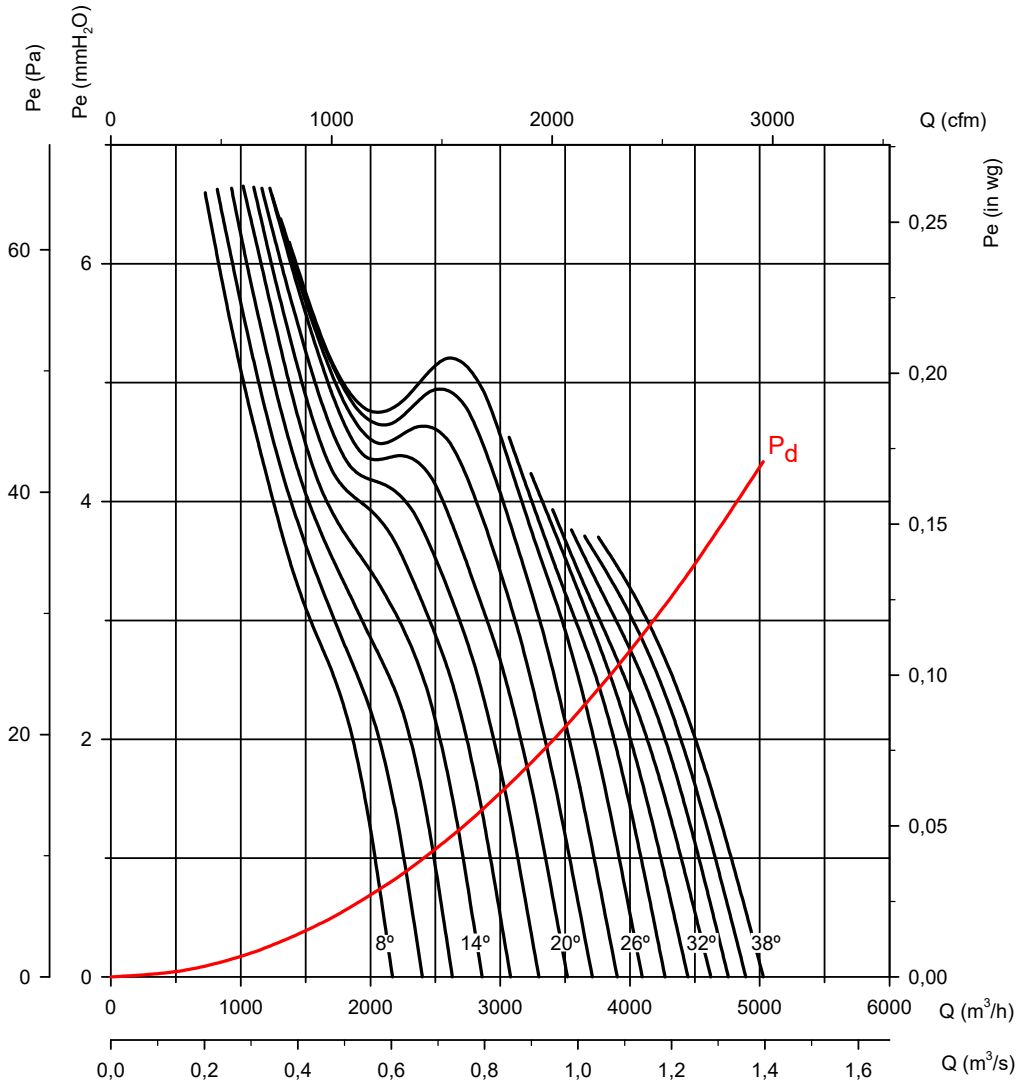




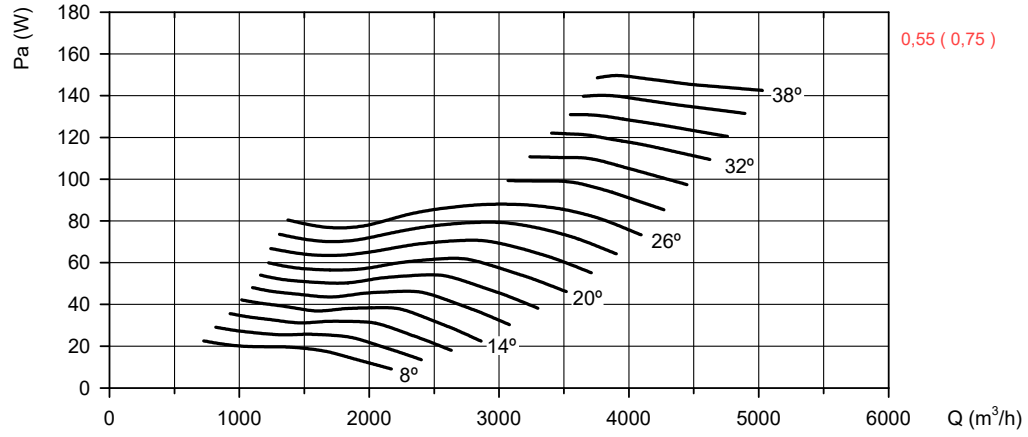
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 45 **Number of motor poles: 6** **Number of blades: 6**



Absorbed power



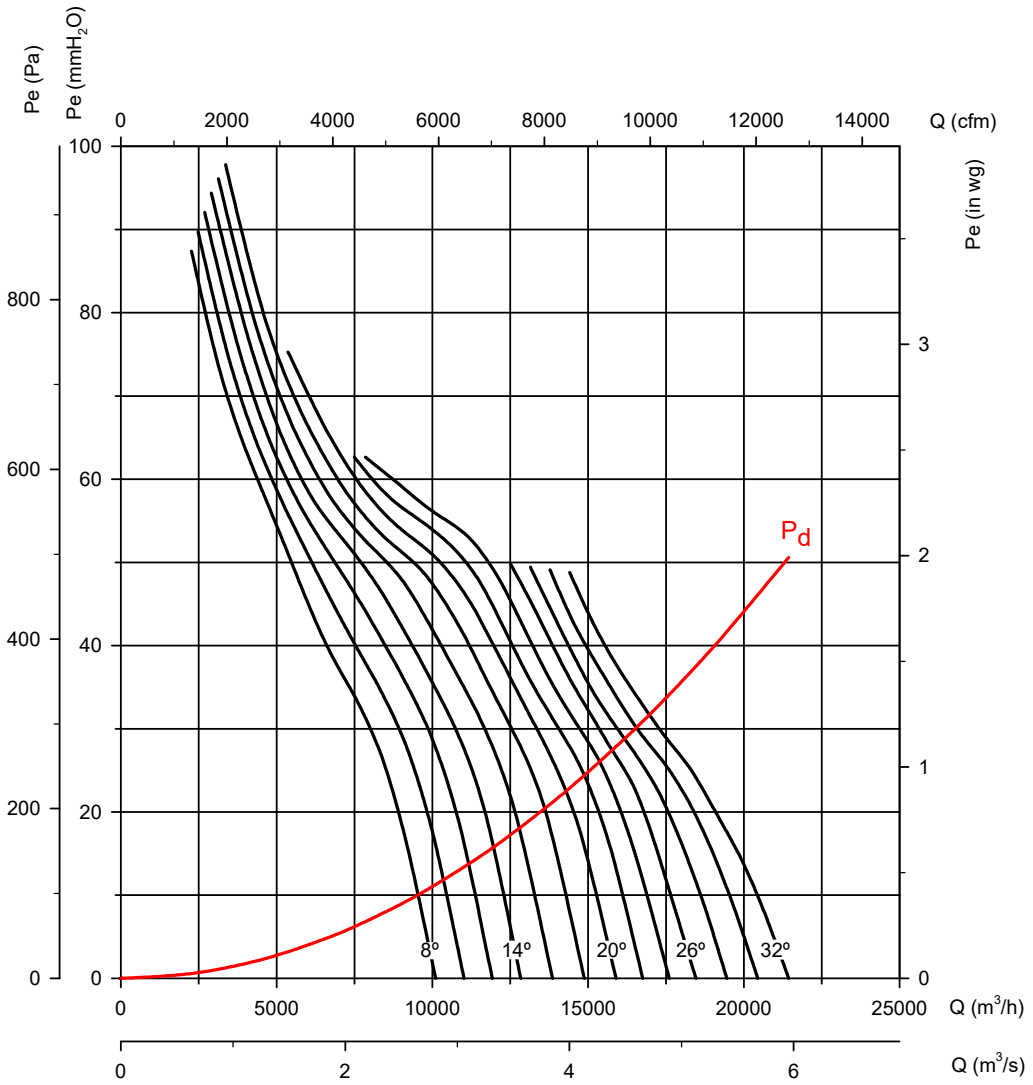
Recommended motor power kW (HP)

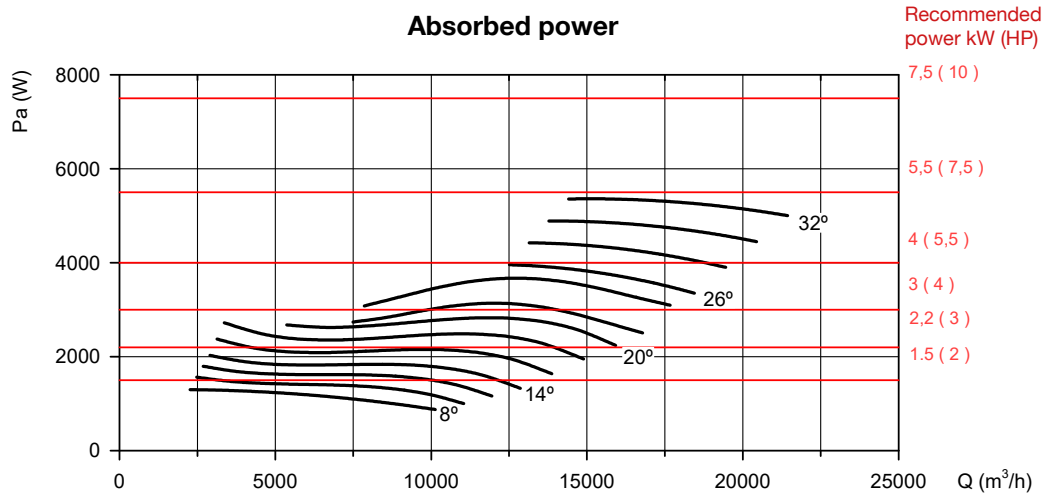
0,55 (0,75)

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 50 **Number of motor poles: 2** **Number of blades: 6**

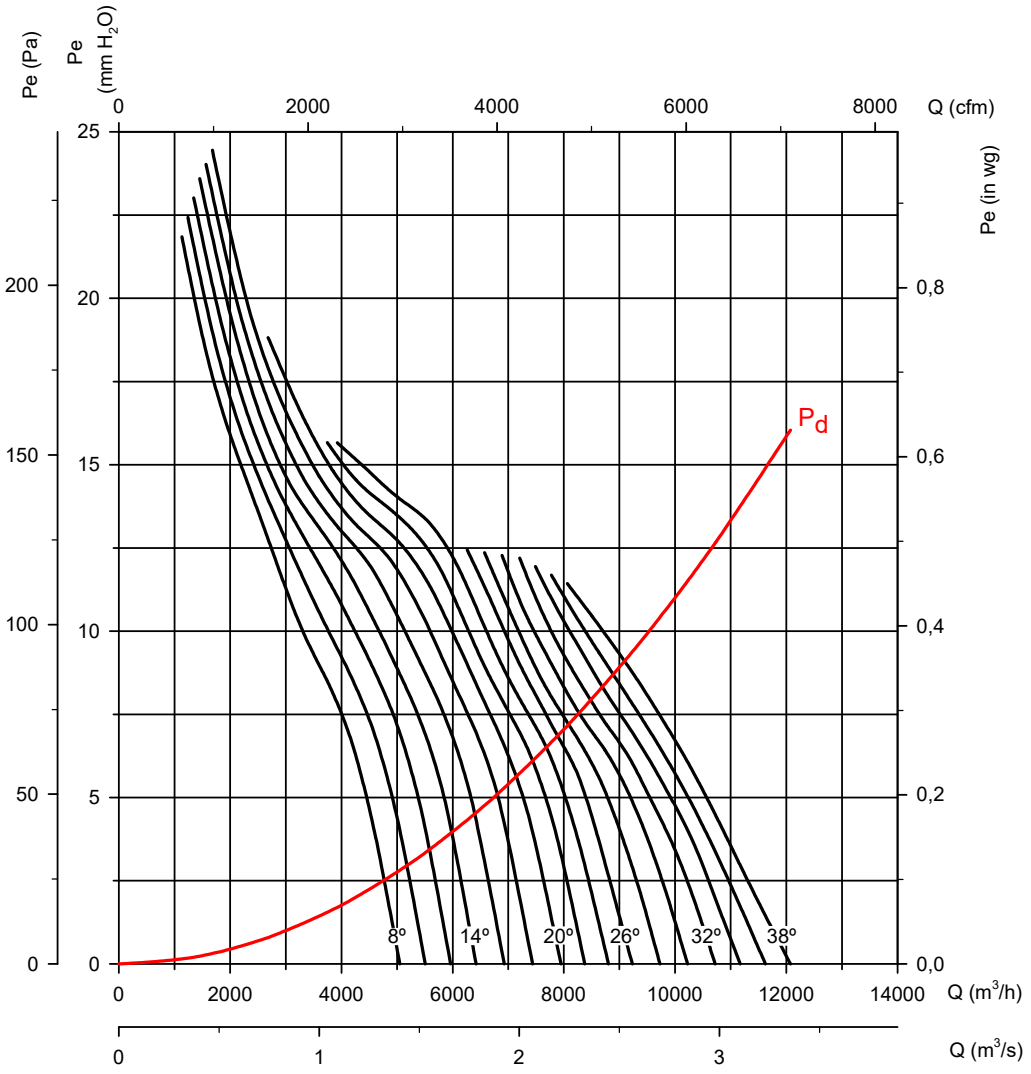


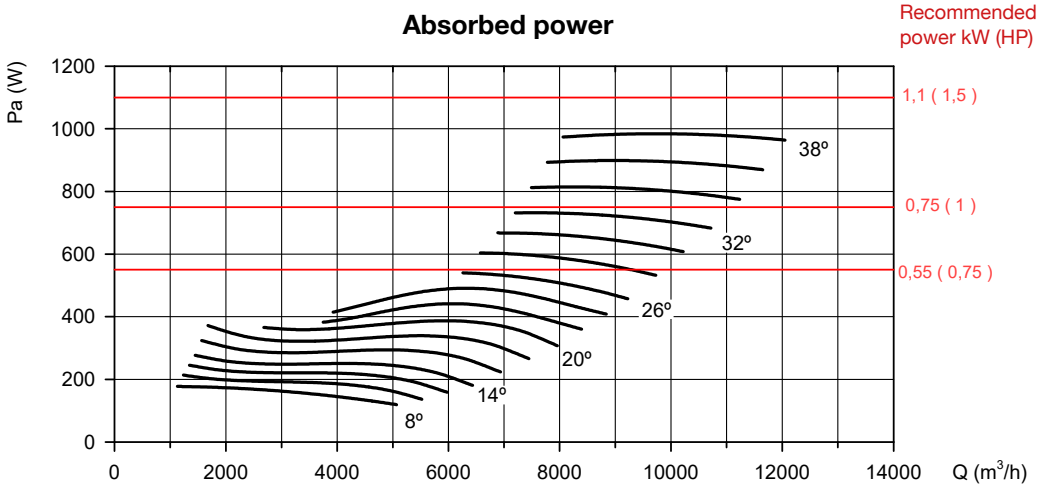


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 50 **Number of motor poles: 4** **Number of blades: 6**

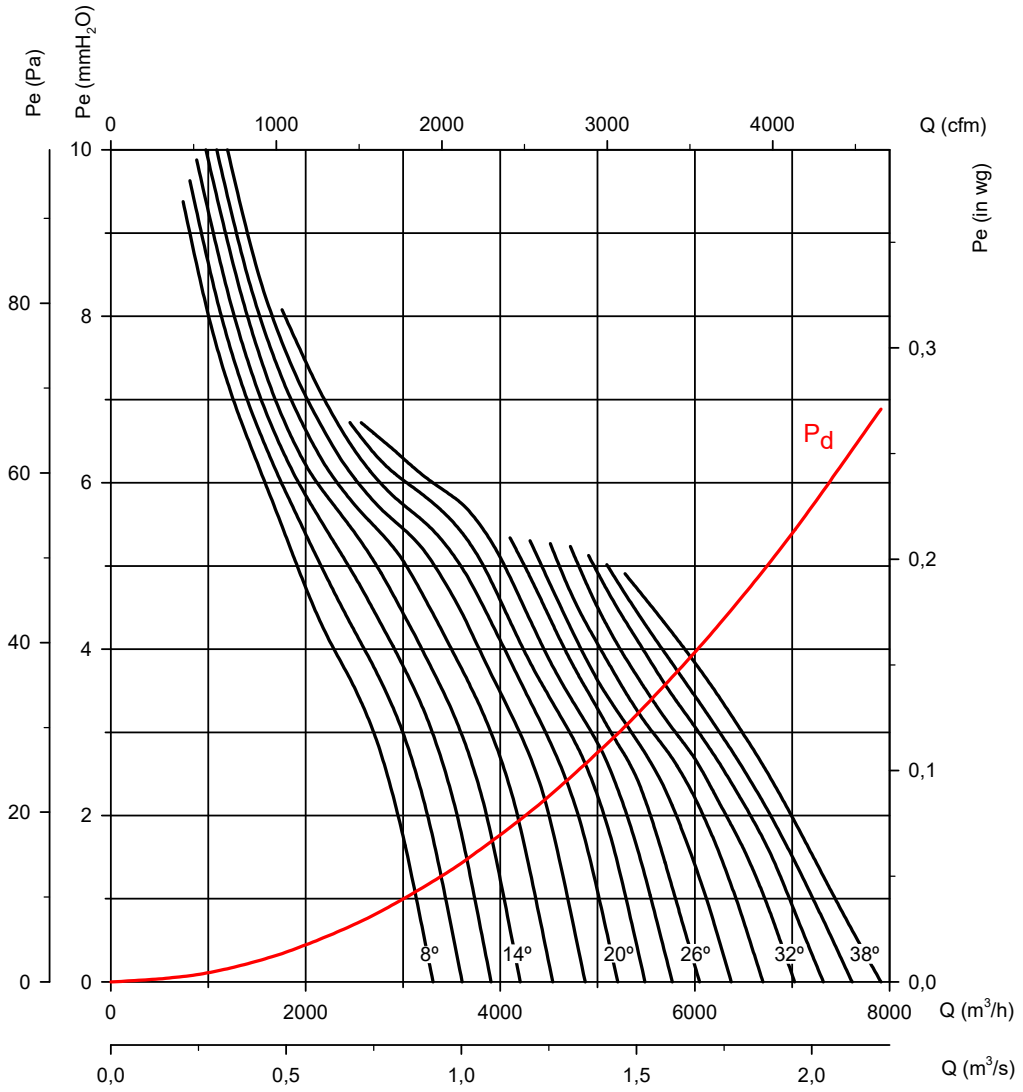


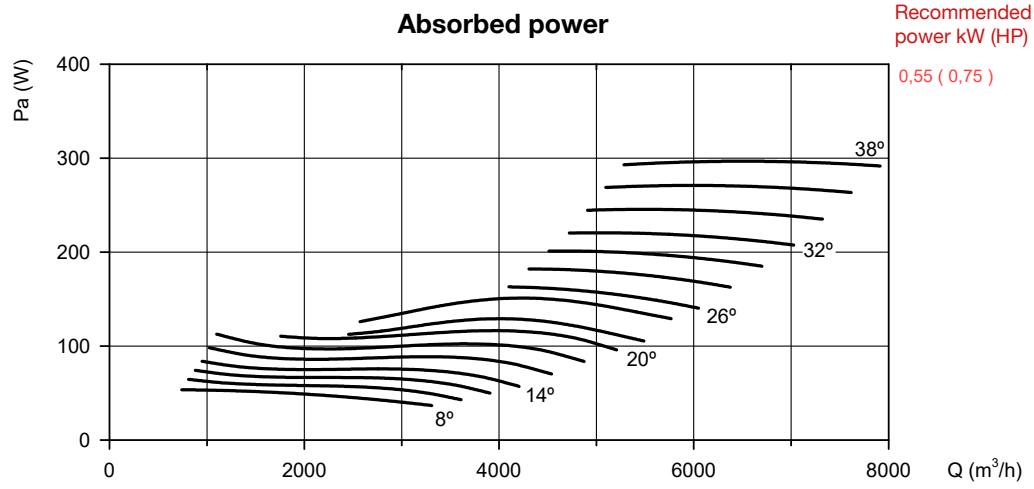


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 50 **Number of motor poles: 6** **Number of blades: 6**





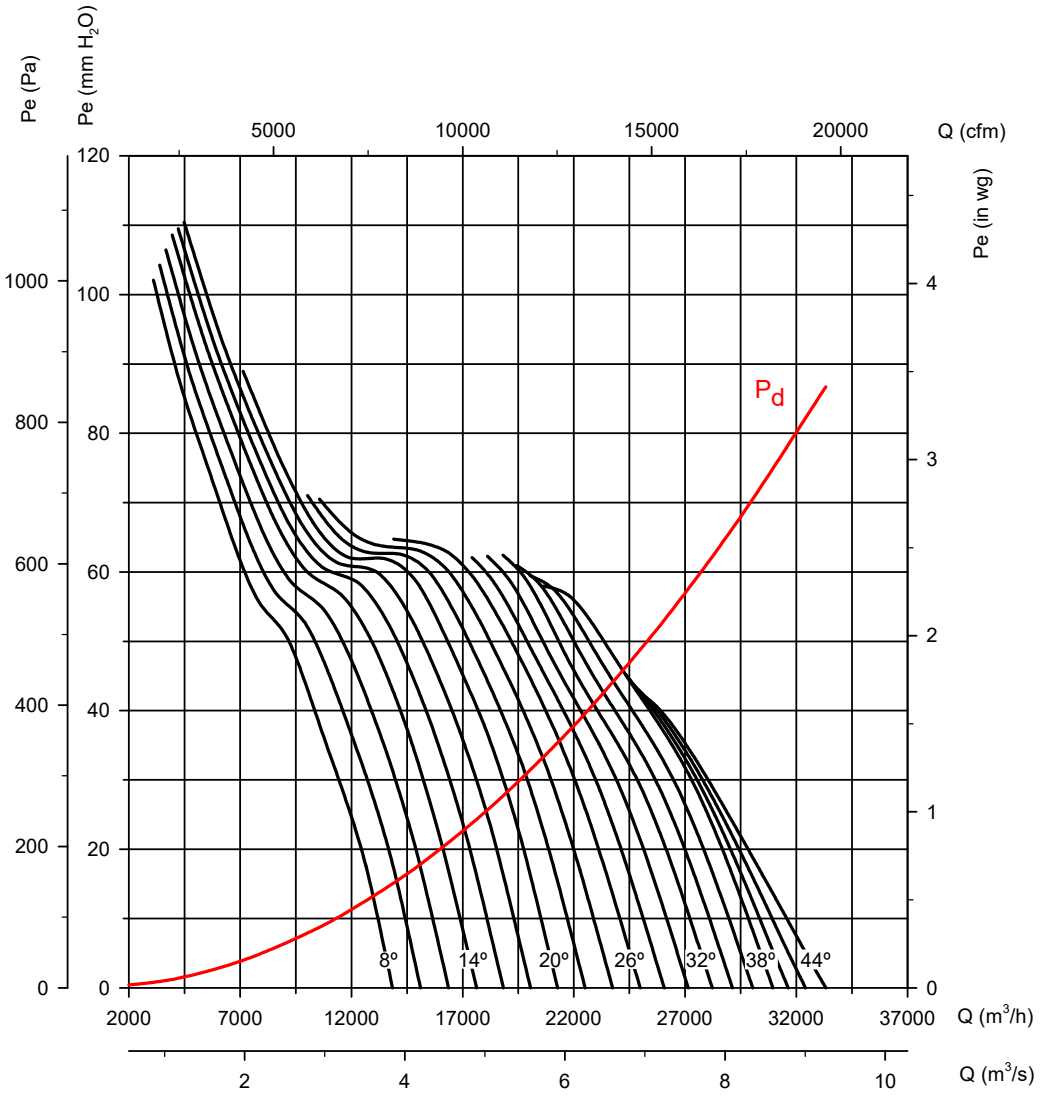
Recommended motor power kW (HP)

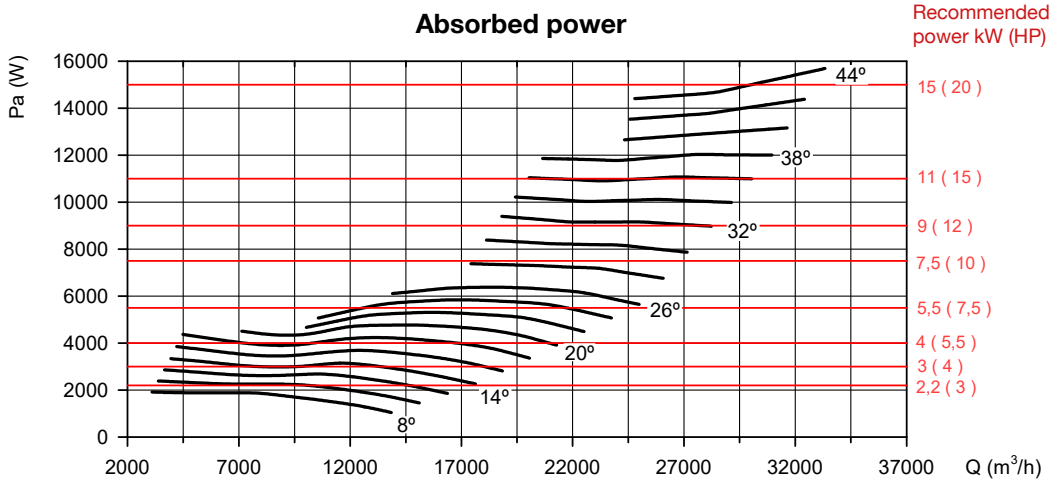
0,55 (0,75)

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 56 **Number of motor poles: 2** **Number of blades: 6**

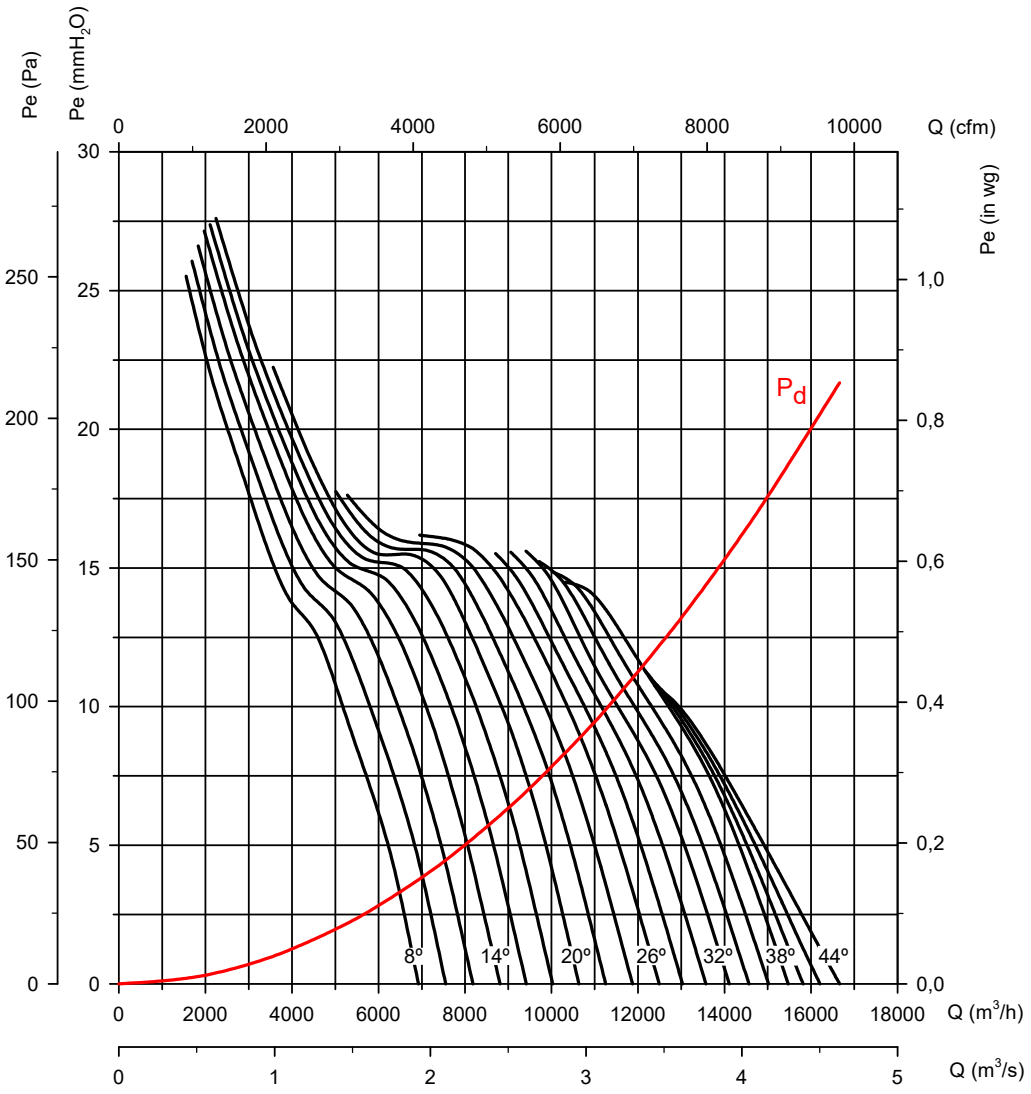


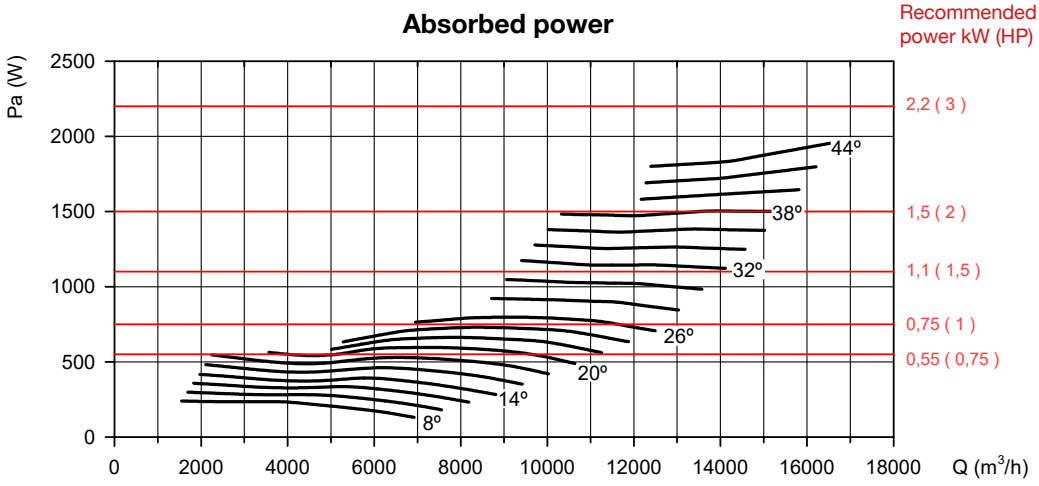


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 56 **Number of motor poles: 4** **Number of blades: 6**

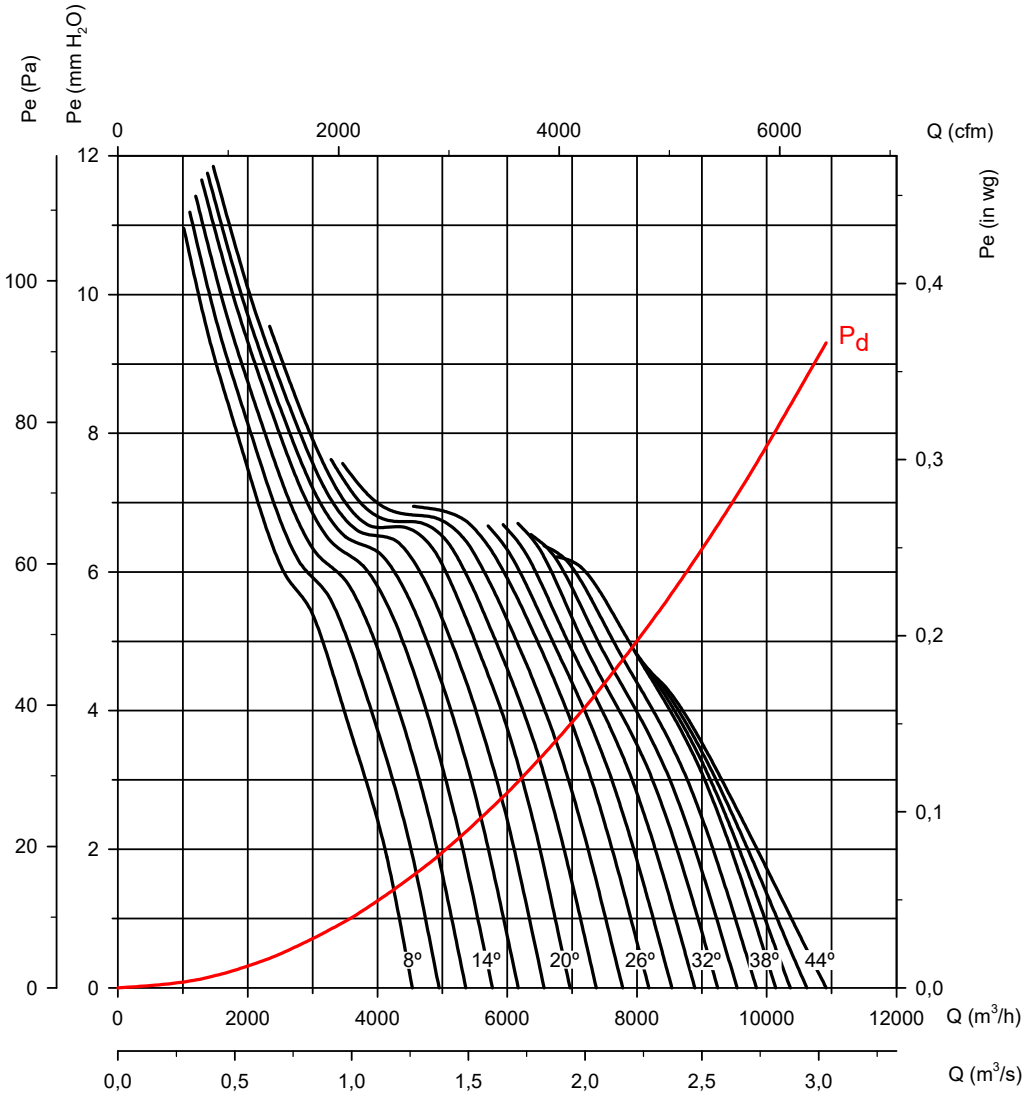




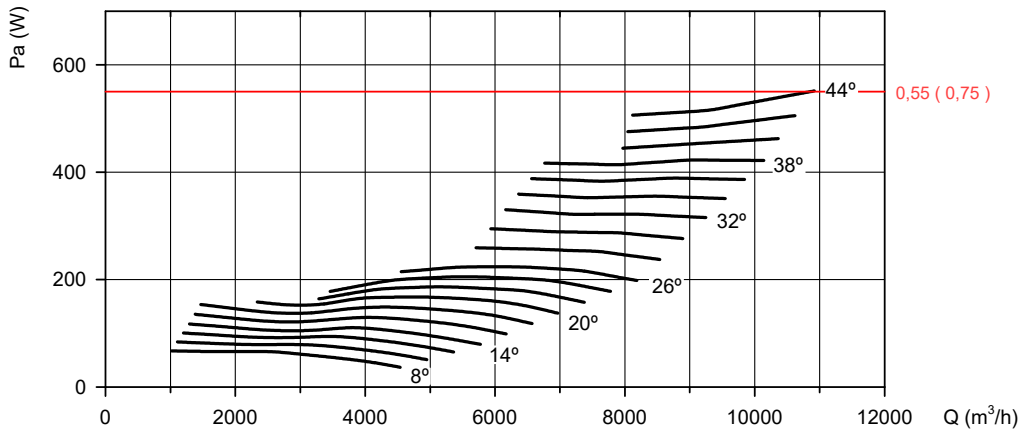
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 56 **Number of motor poles: 6** **Number of blades: 6**



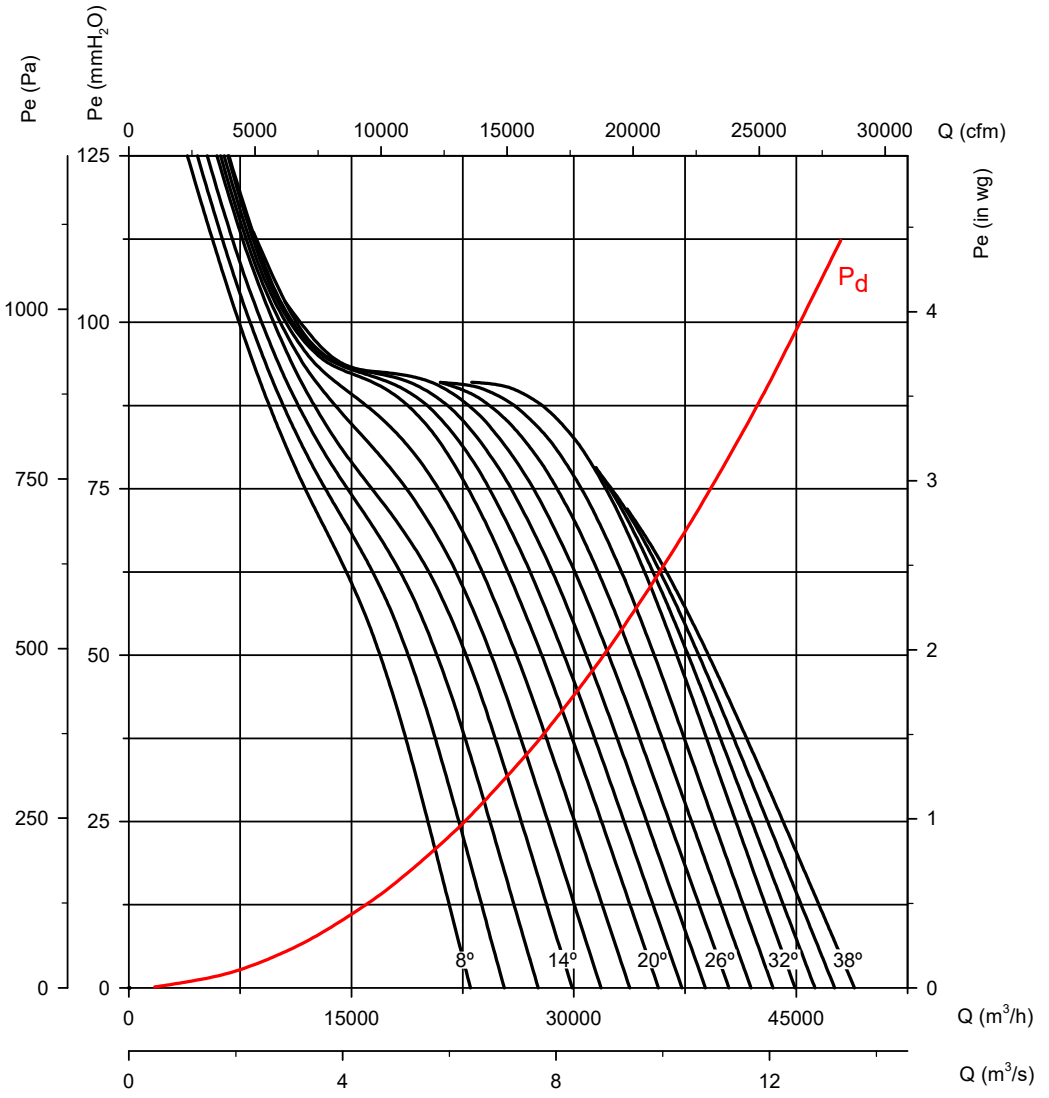
Absorbed power

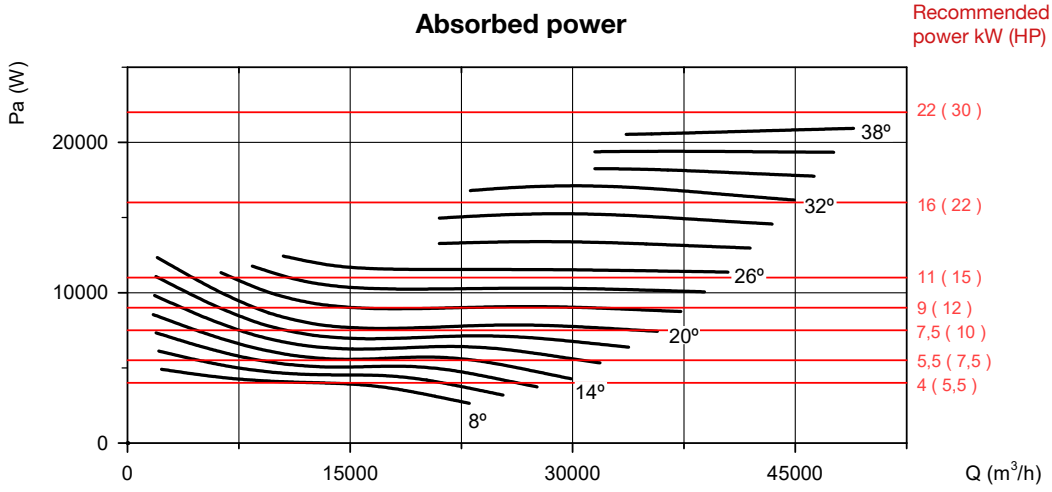


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 63 **Number of motor poles: 2** **Number of blades: 6**

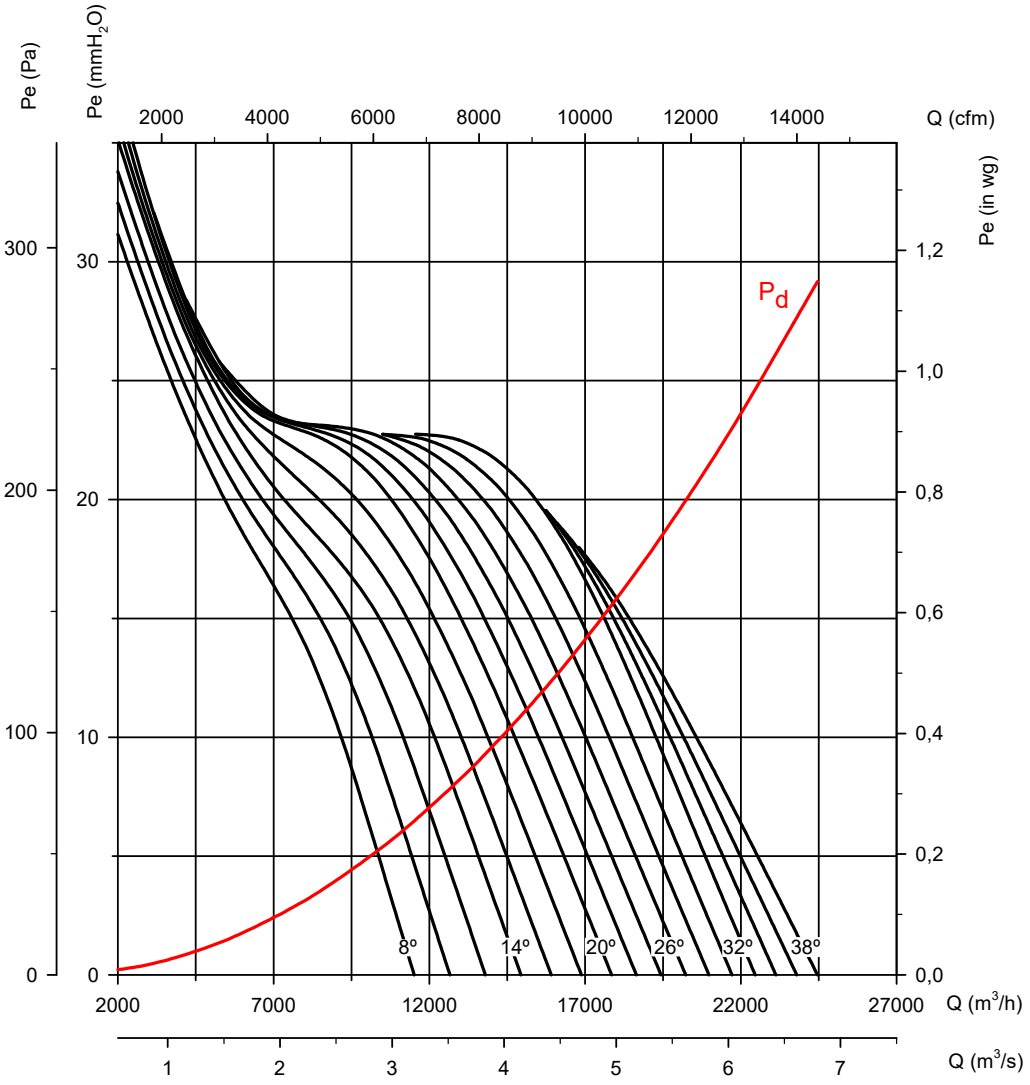




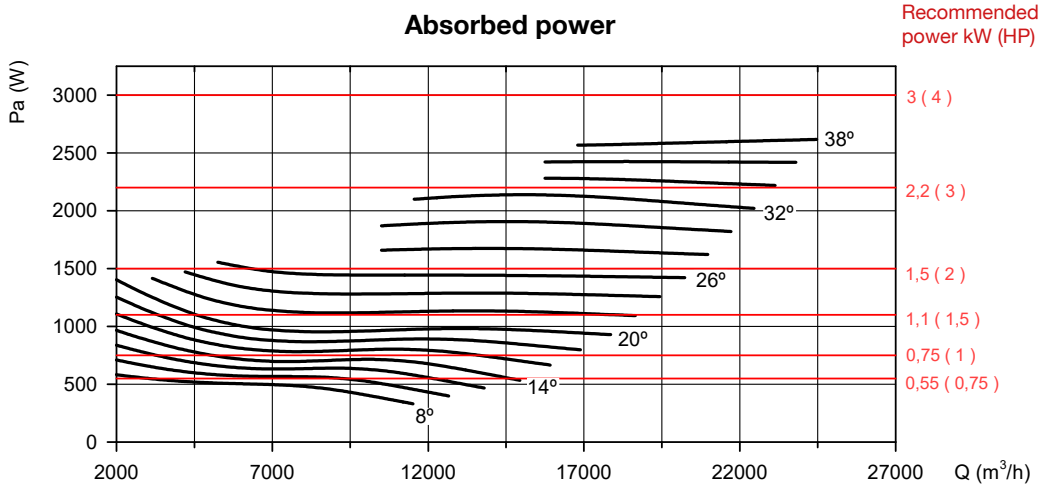
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 63 **Number of motor poles: 4** **Number of blades: 6**



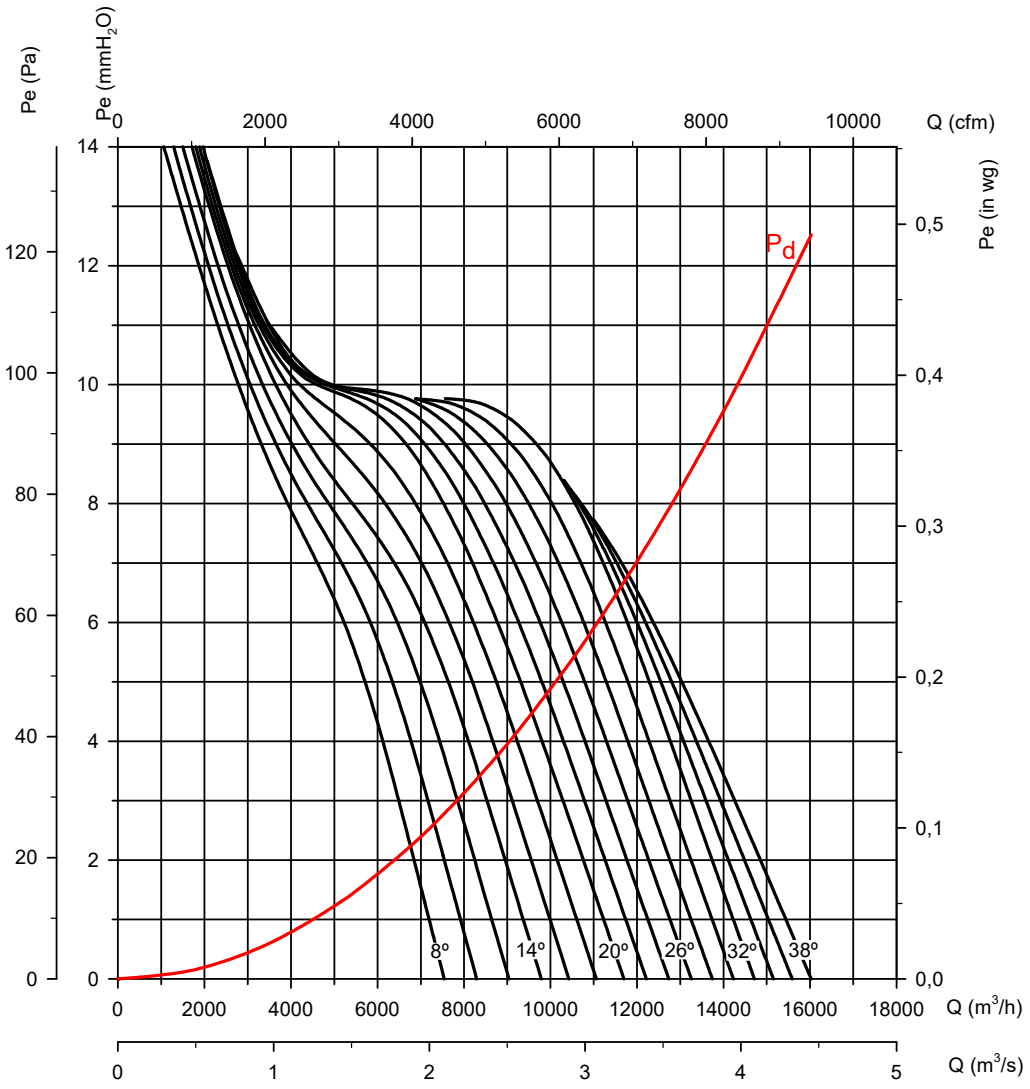
Absorbed power

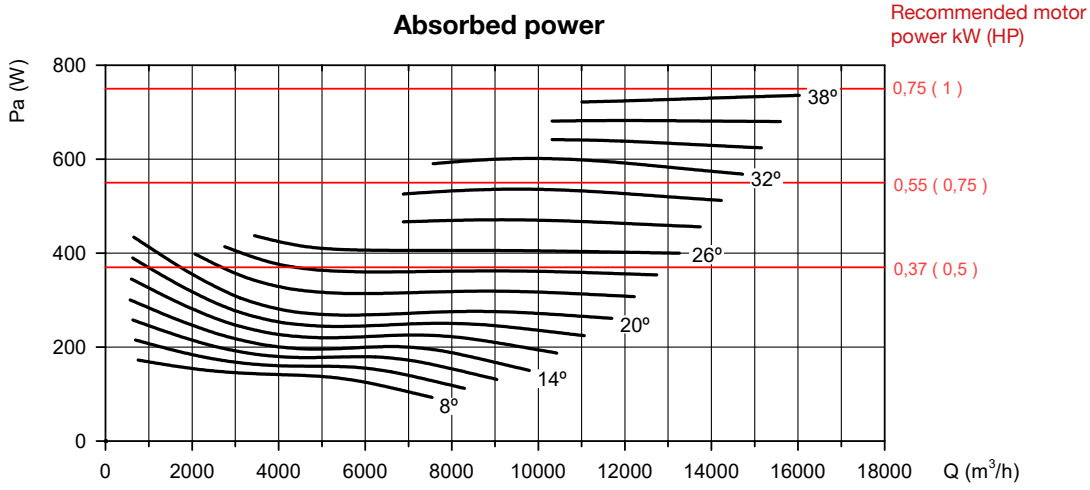


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 63 **Number of motor poles: 6** **Number of blades: 6**

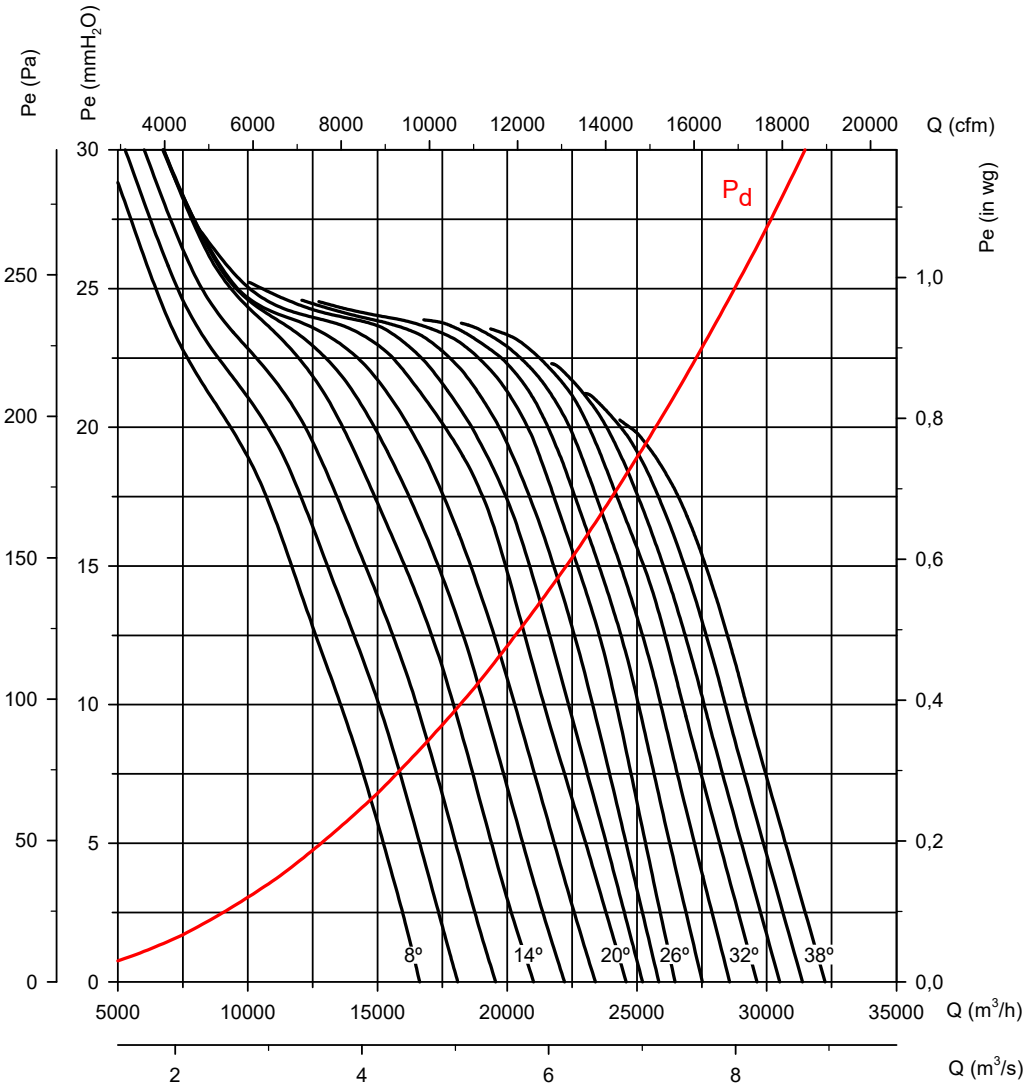


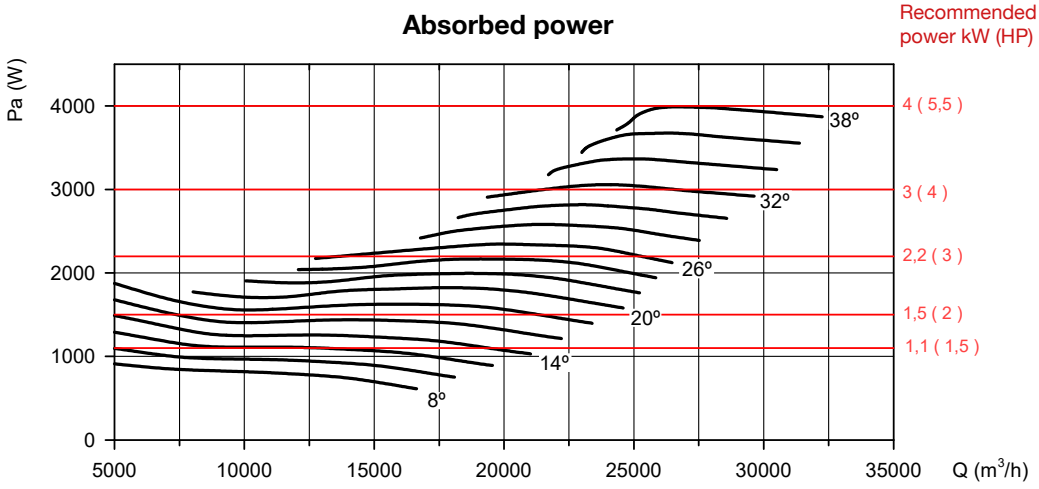


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 71 **Number of motor poles: 4** **Number of blades: 6**

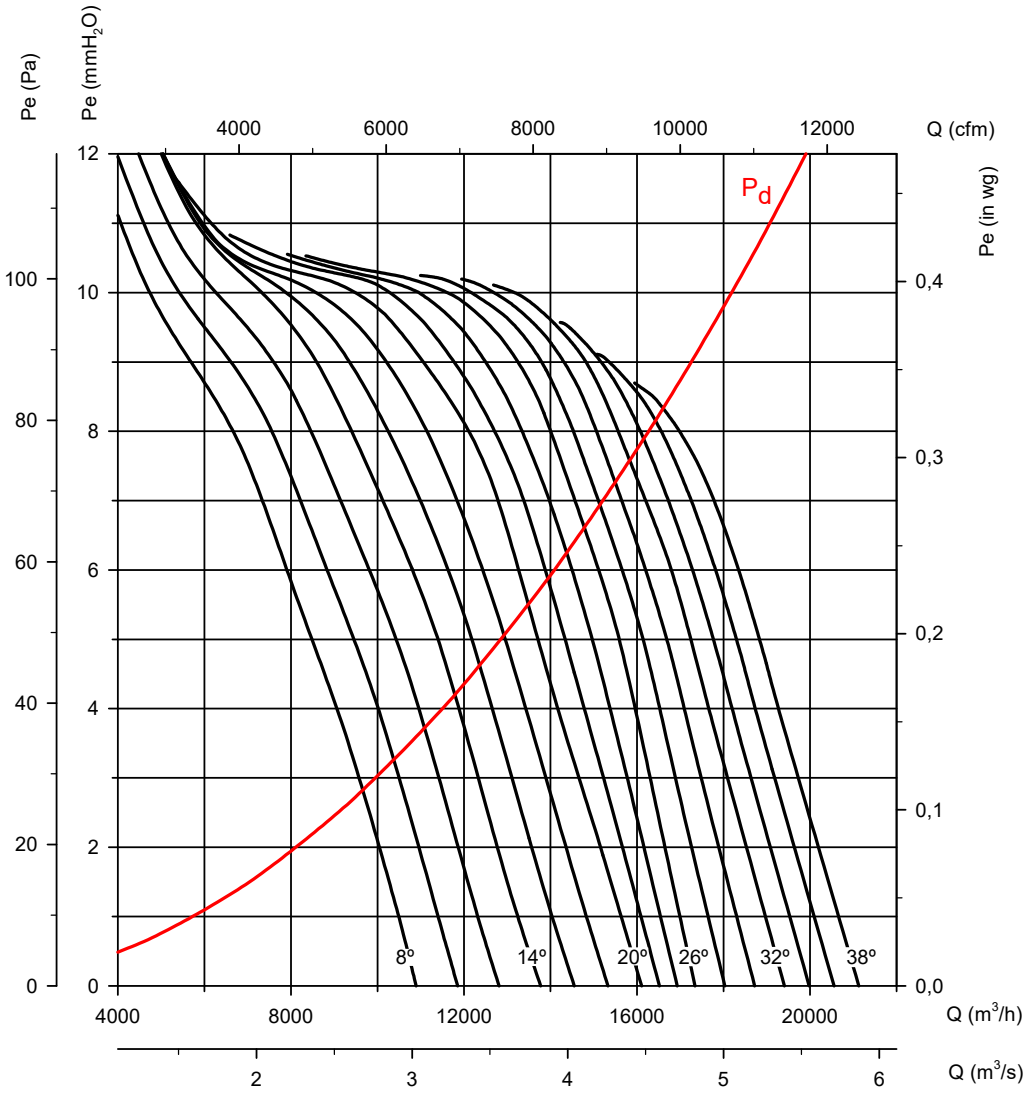


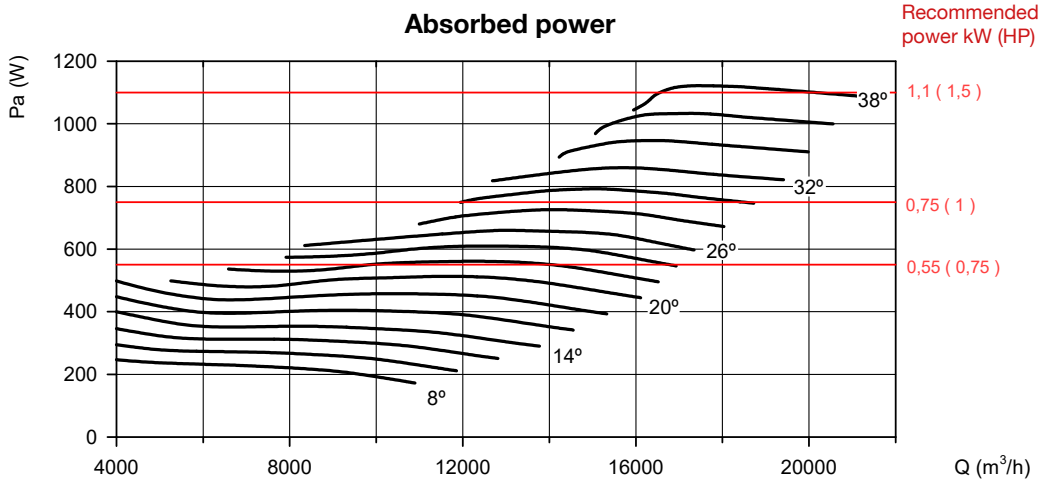


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 71 **Number of motor poles: 6** **Number of blades: 6**

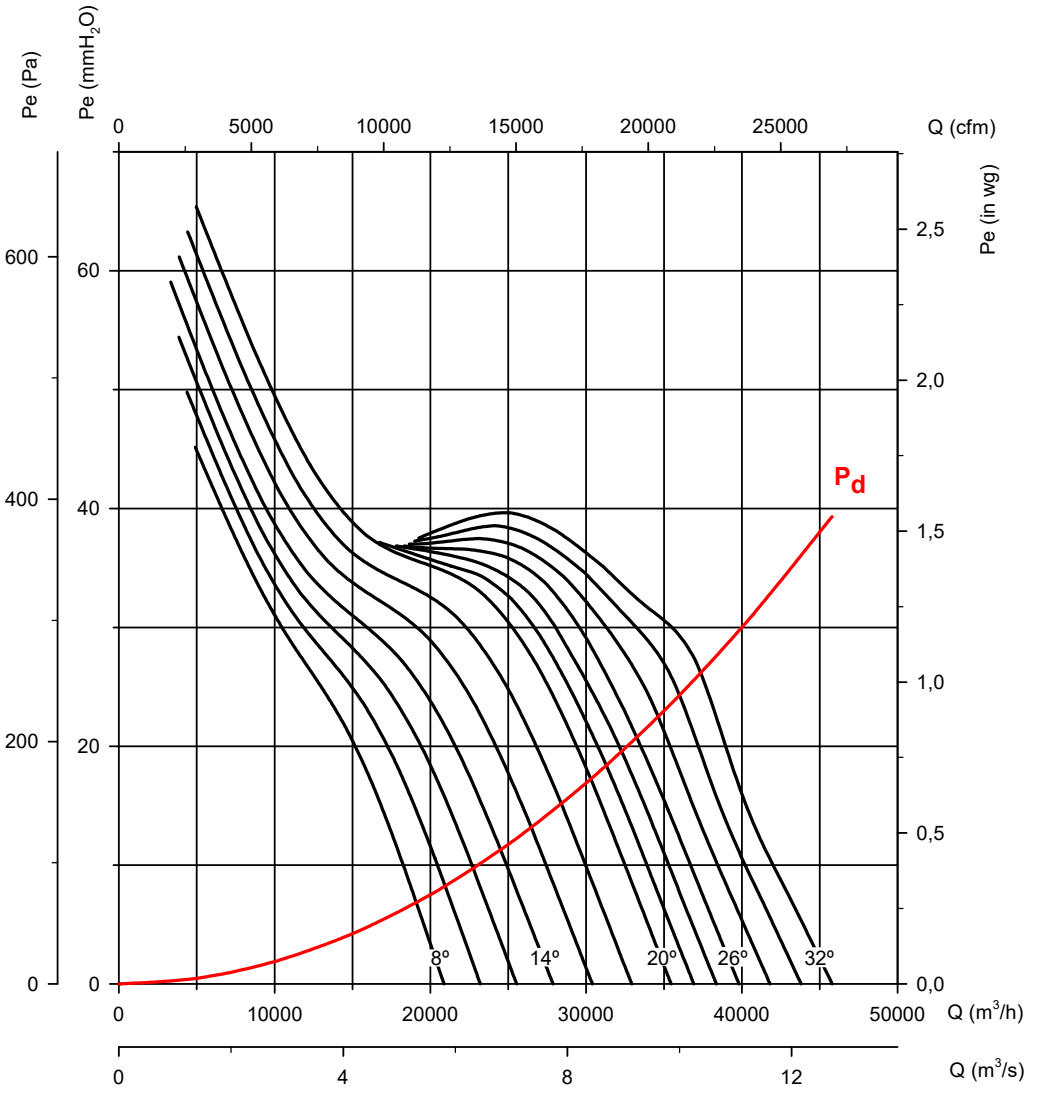


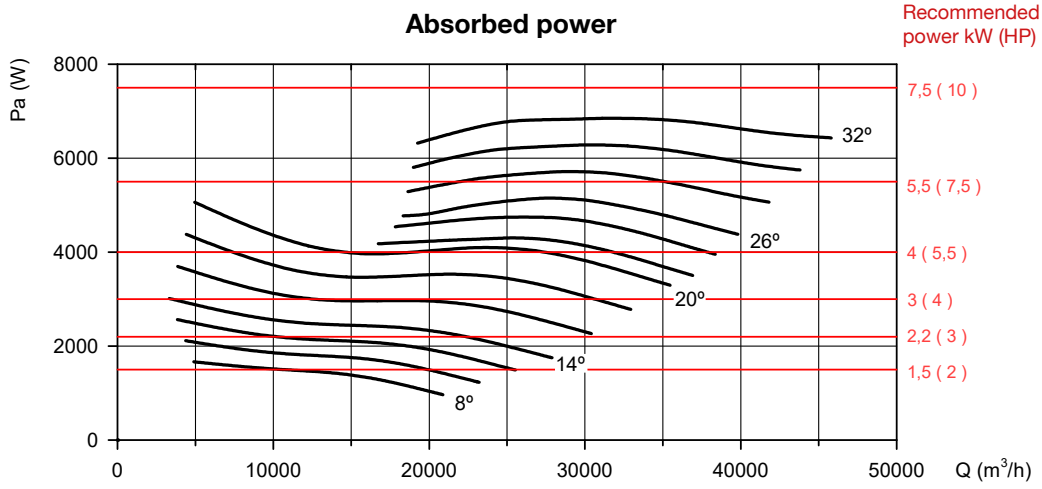


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 80 **Number of motor poles: 4** **Number of blades: 6**

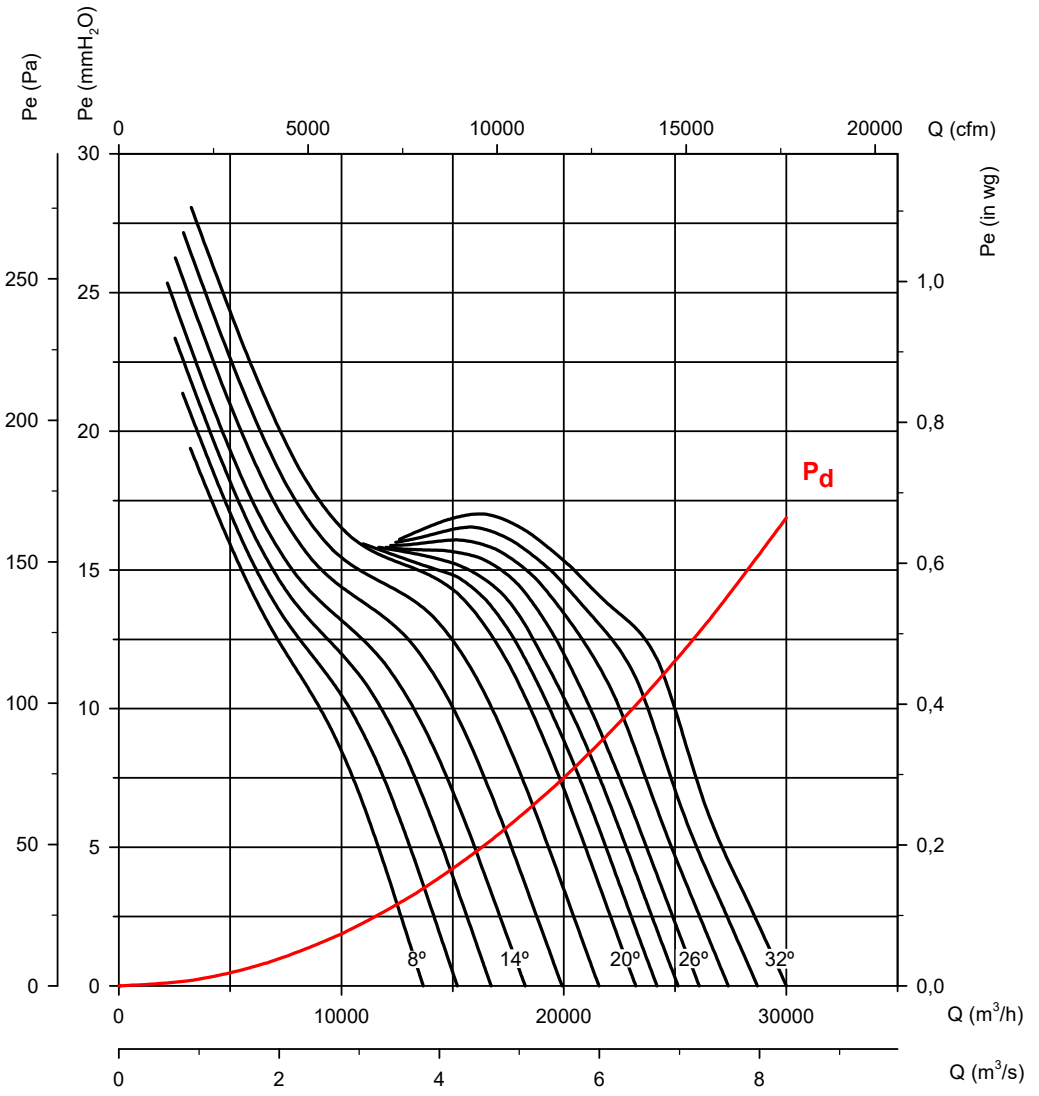


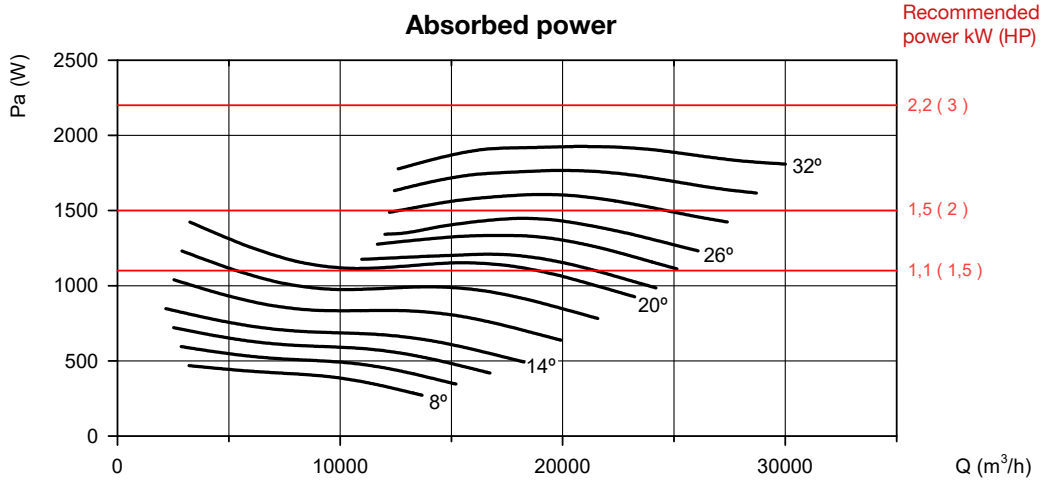


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 80 **Number of motor poles: 6** **Number of blades: 6**

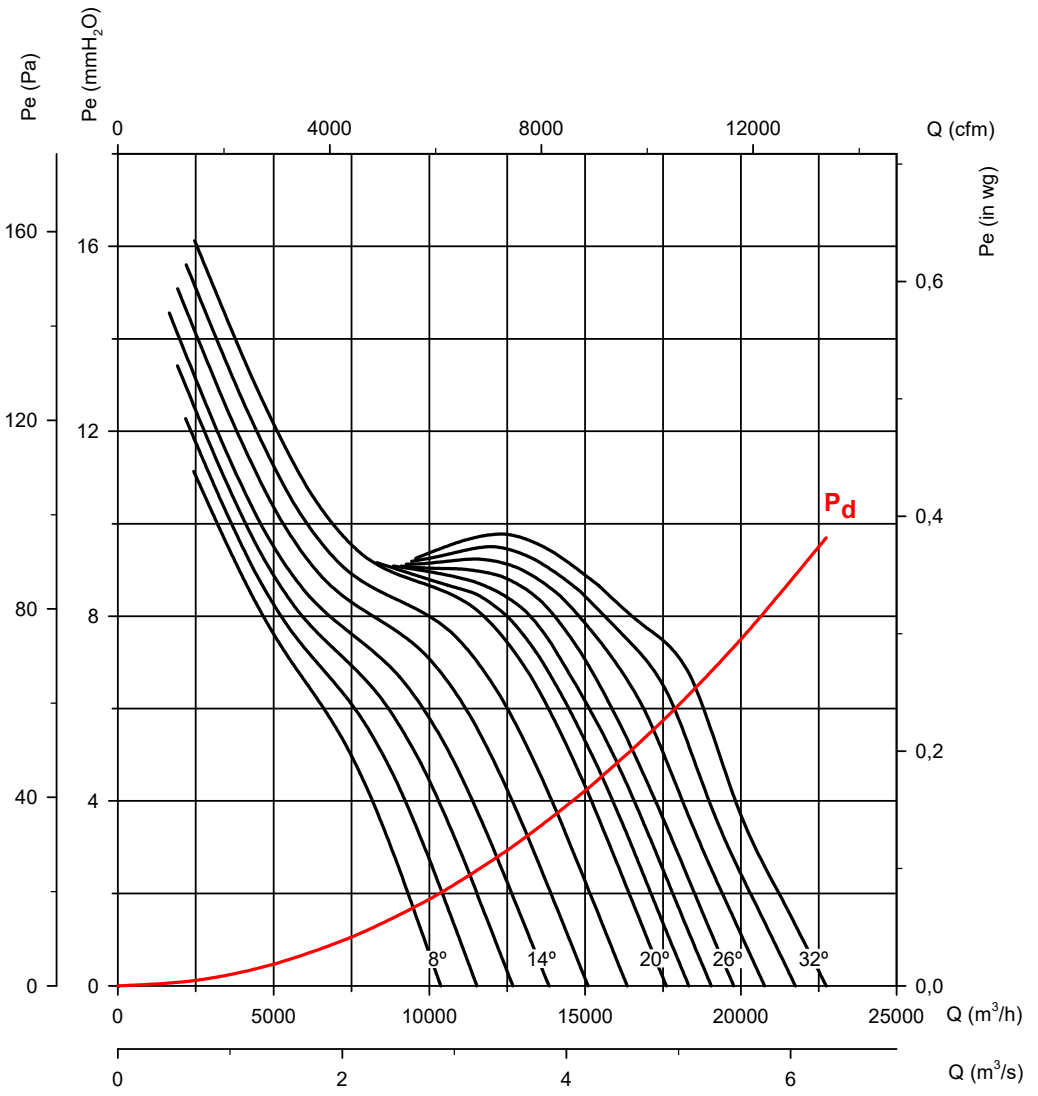


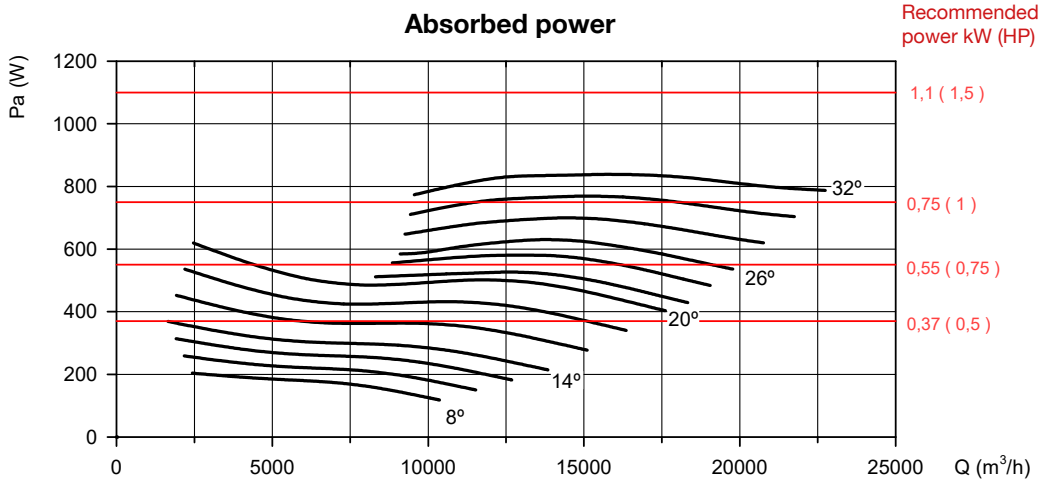


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 80 **Number of motor poles: 8** **Number of blades: 6**

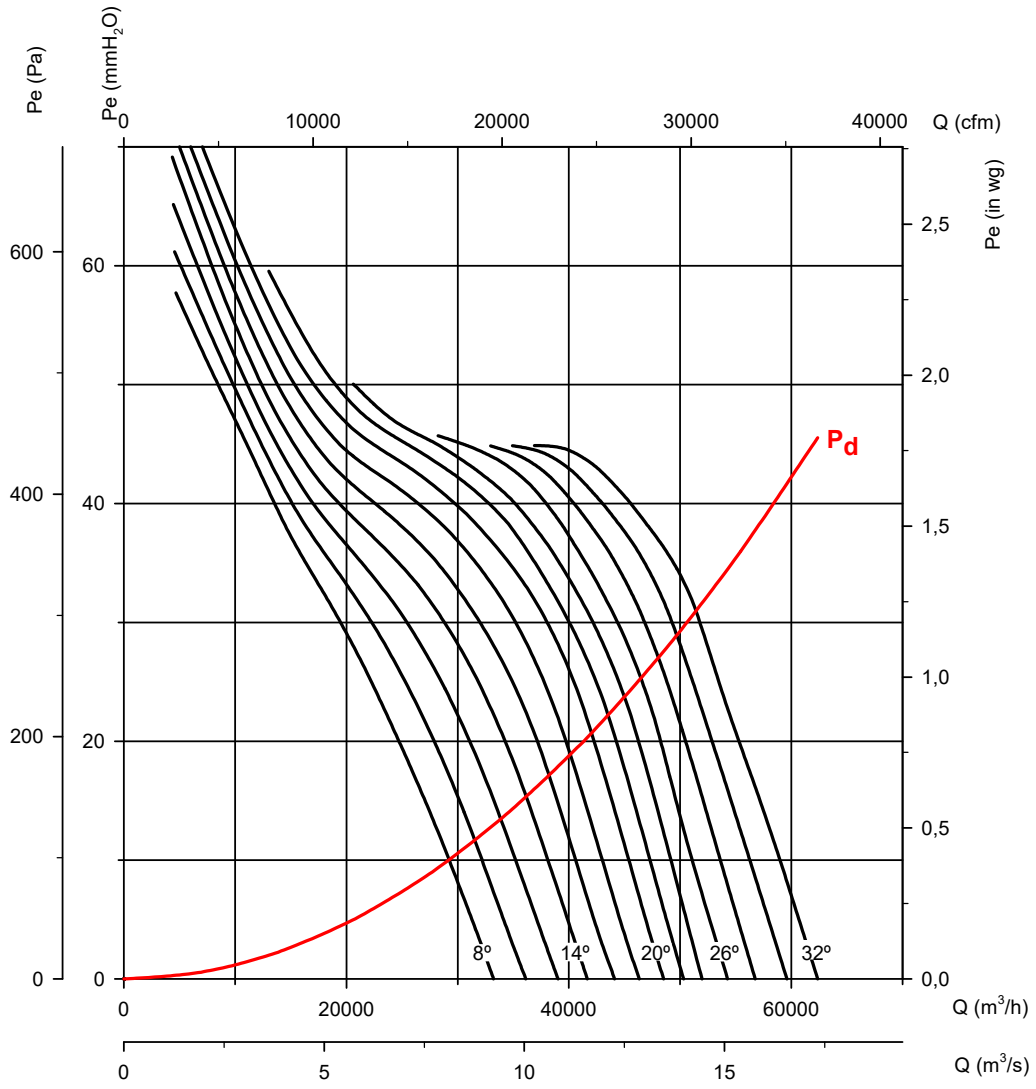


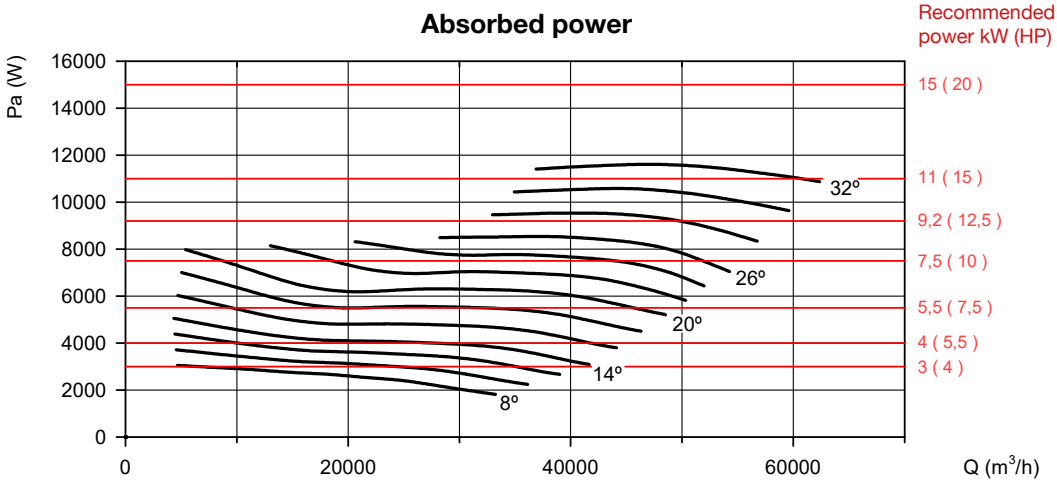


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 90 **Number of motor poles: 4** **Number of blades: 6**

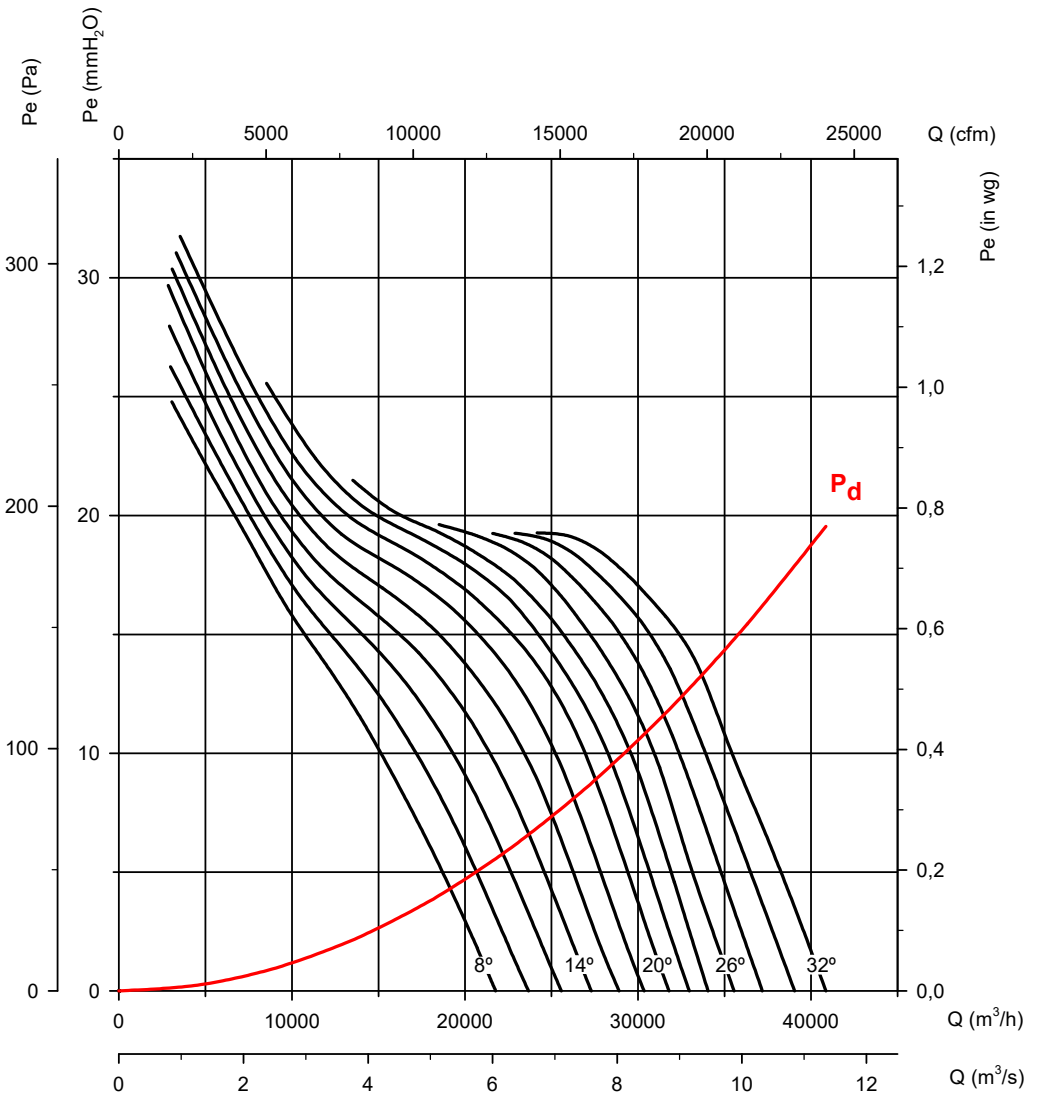


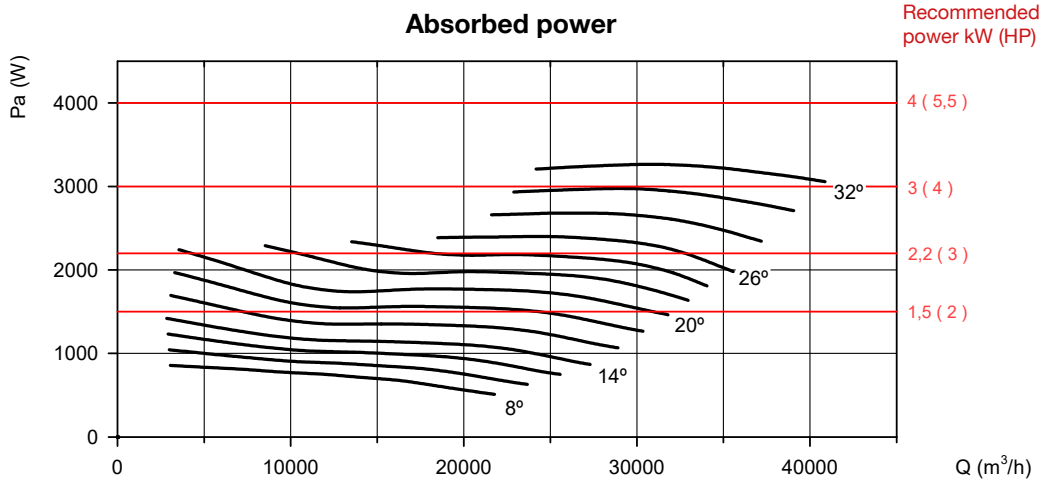


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 90 **Number of motor poles: 6** **Number of blades: 6**

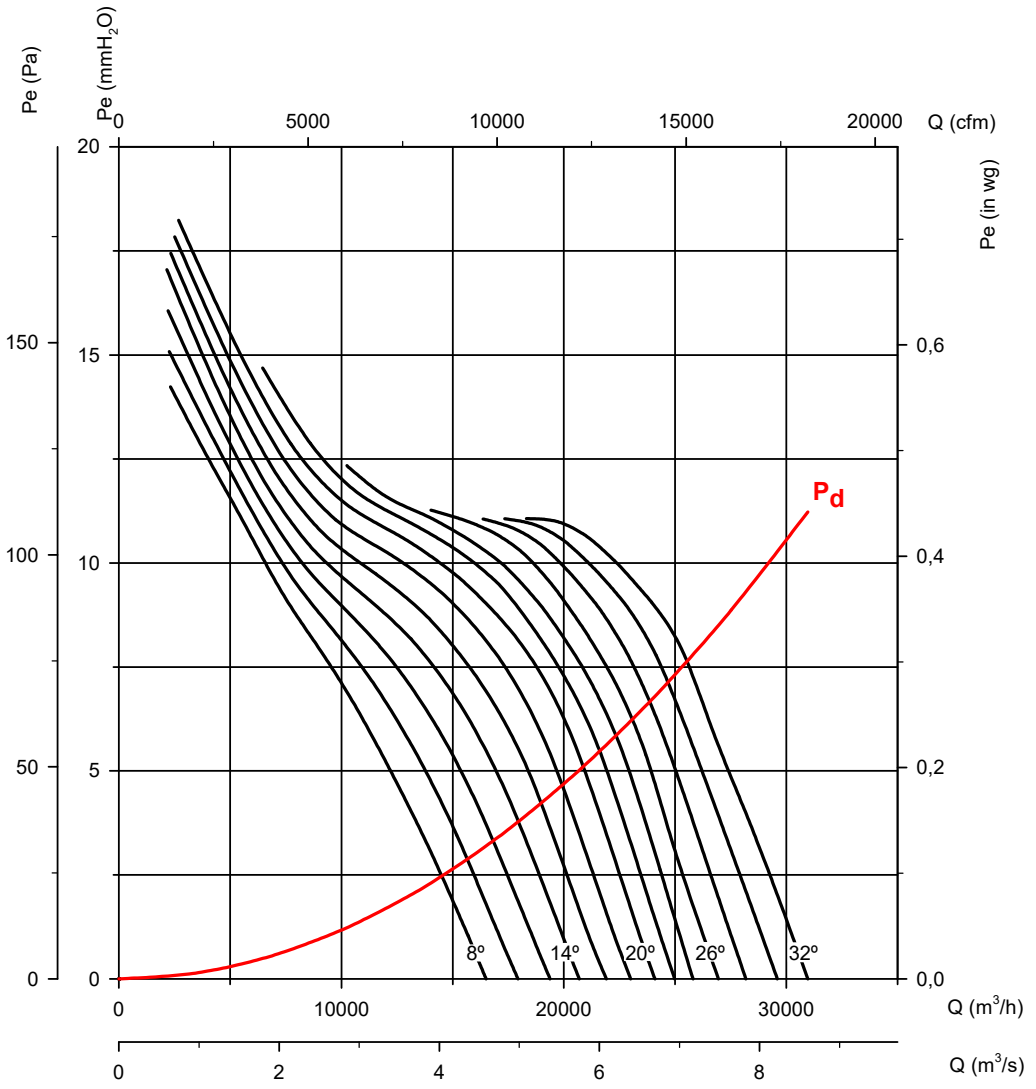


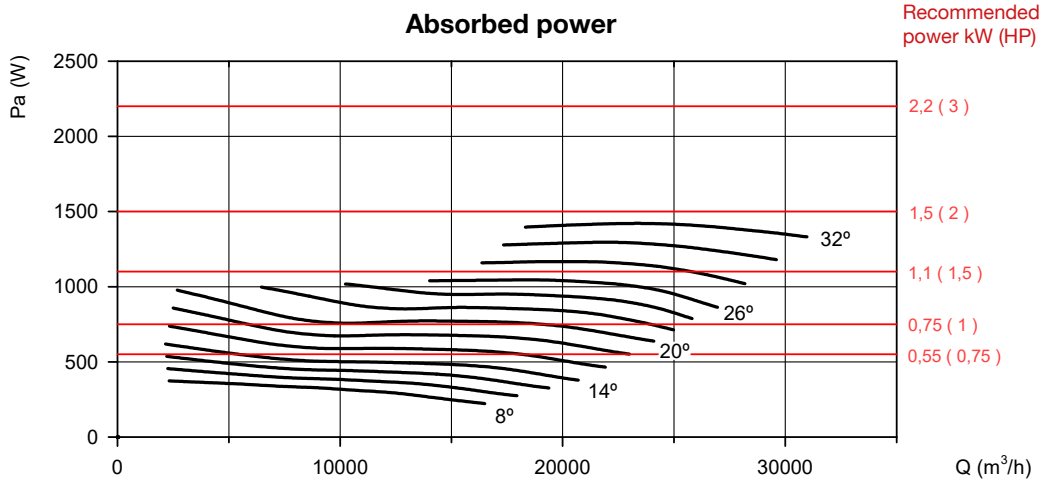


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 90 **Number of motor poles: 8** **Number of blades: 6**

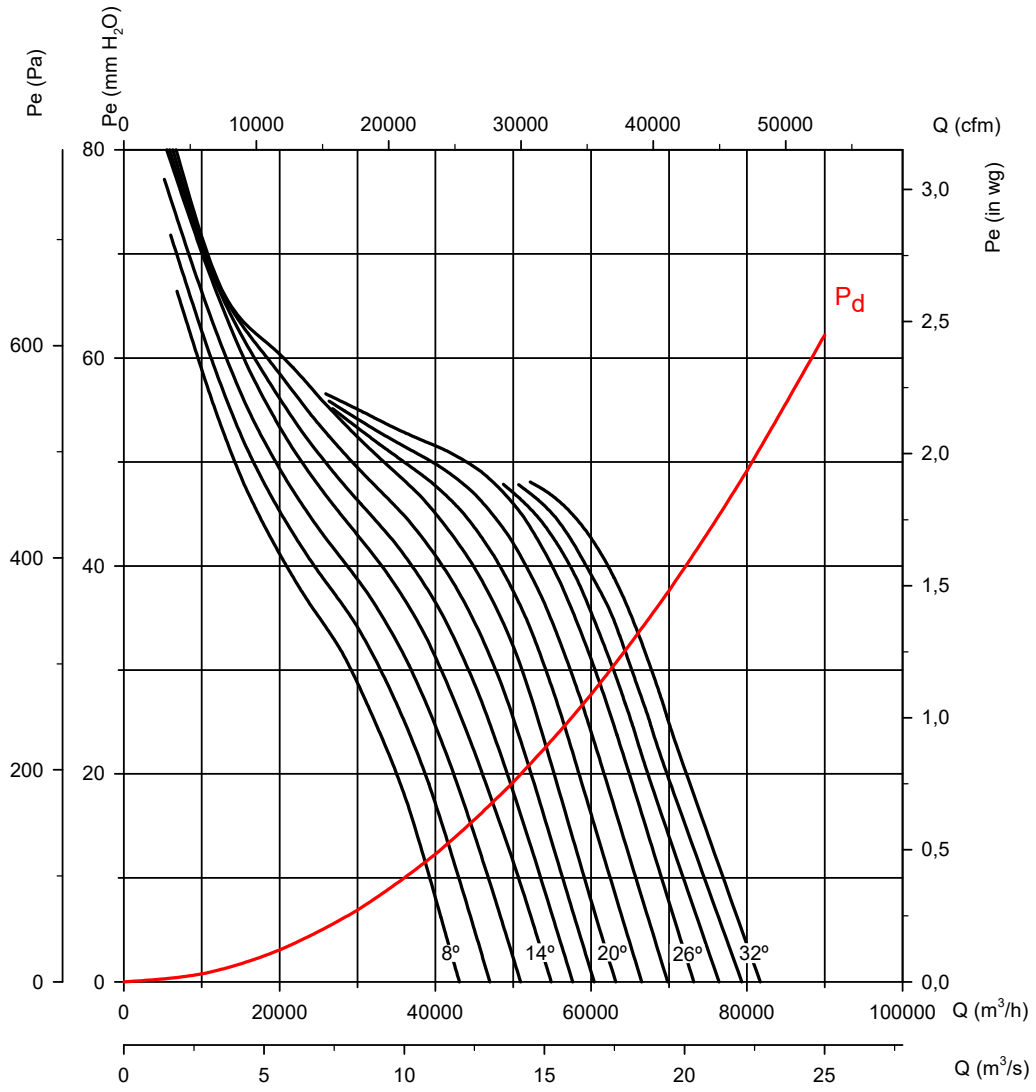


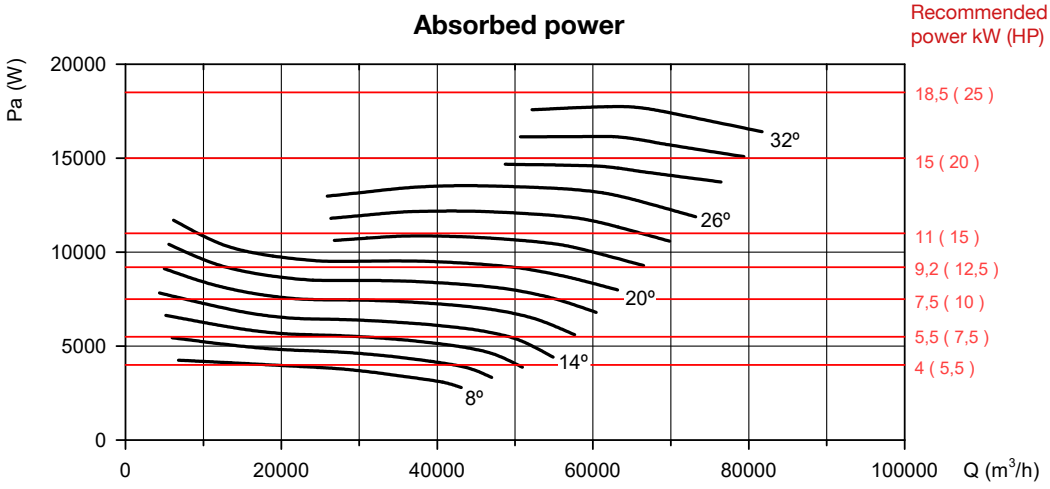


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 100 **Number of motor poles: 4** **Number of blades: 6**

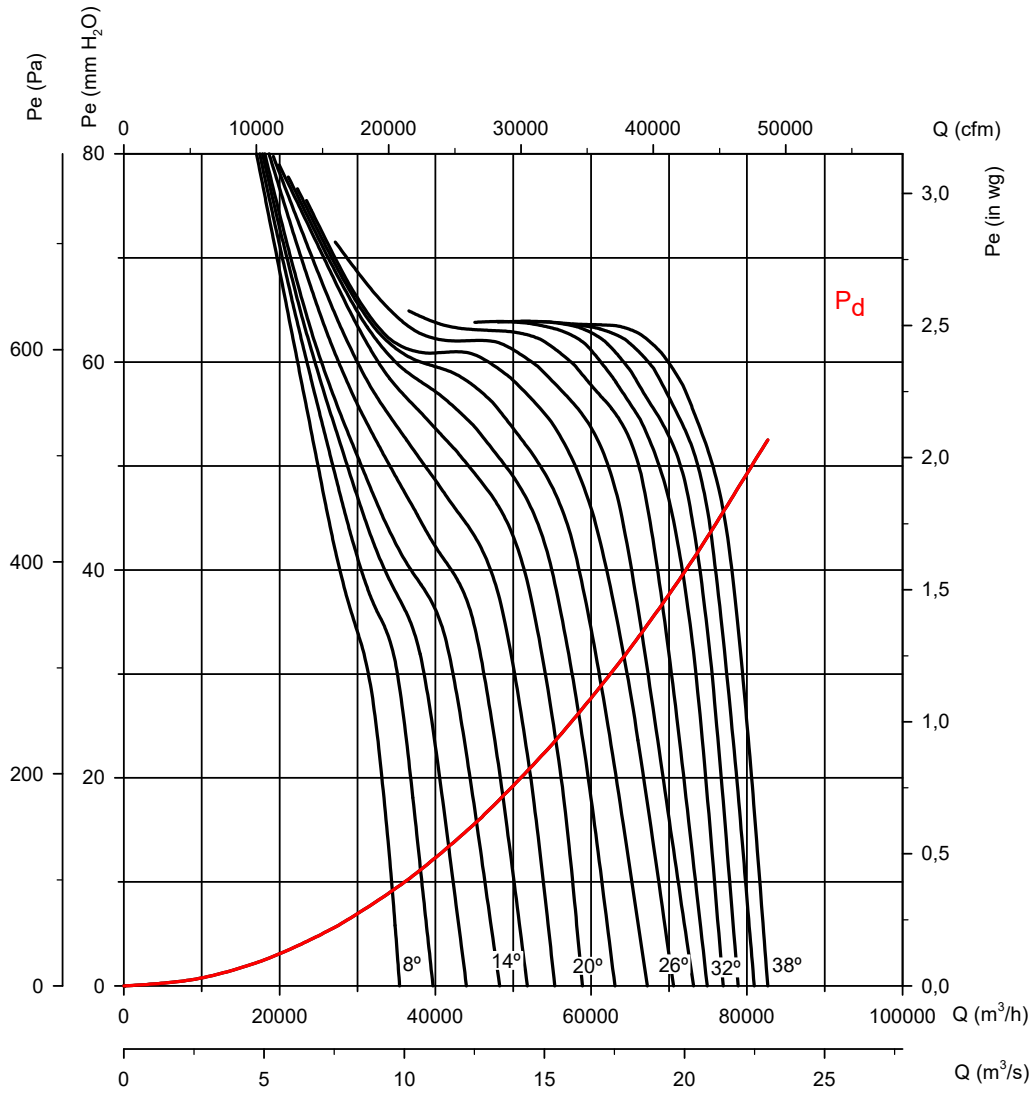


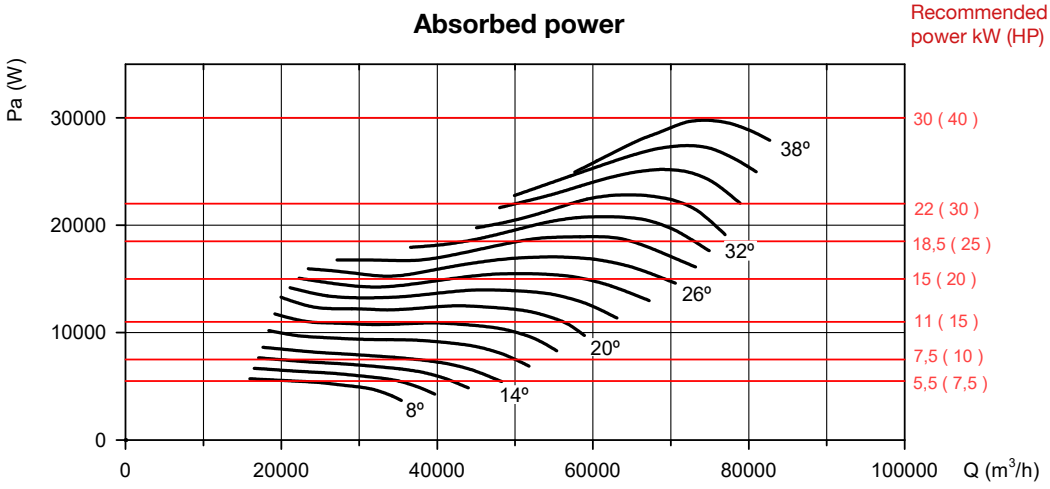


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 100 **Number of motor poles: 4** **Number of blades: 9**

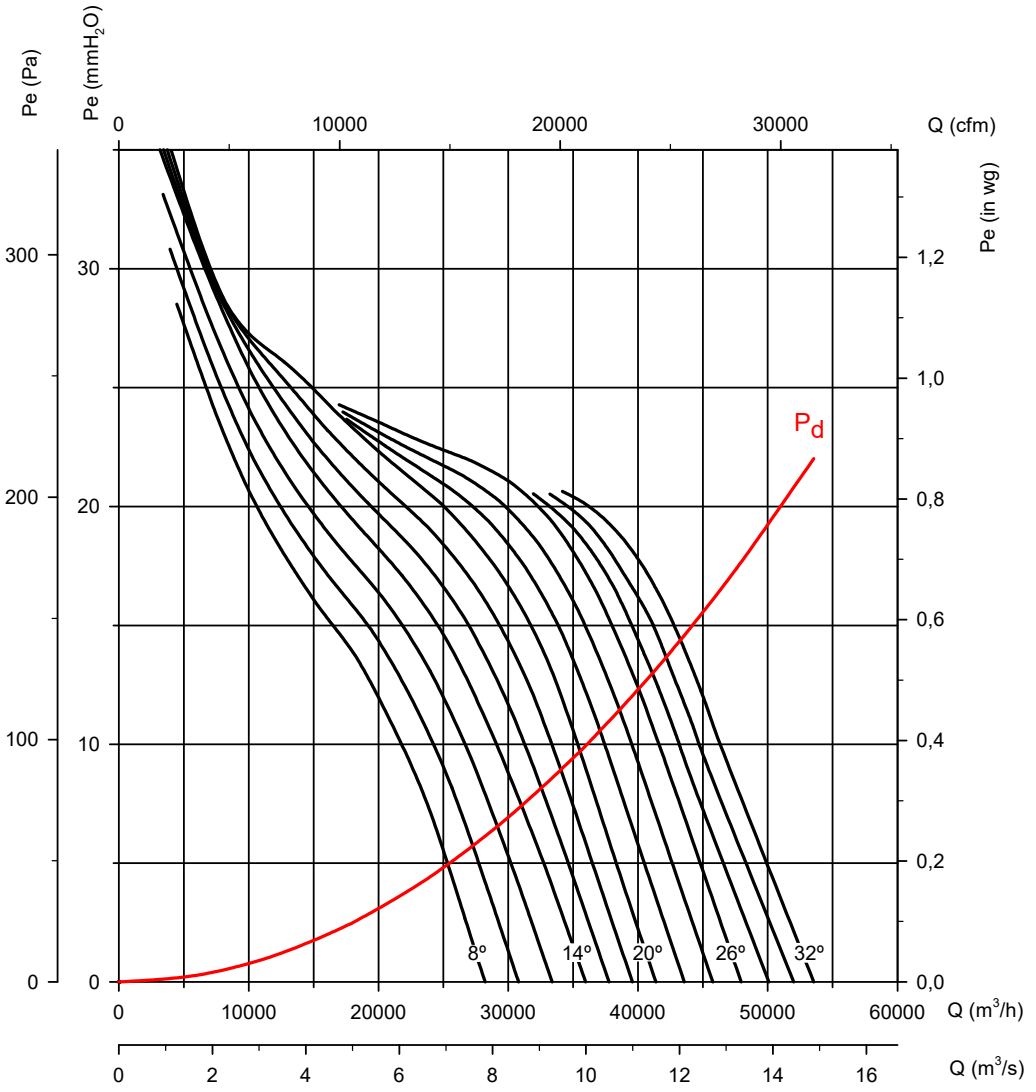


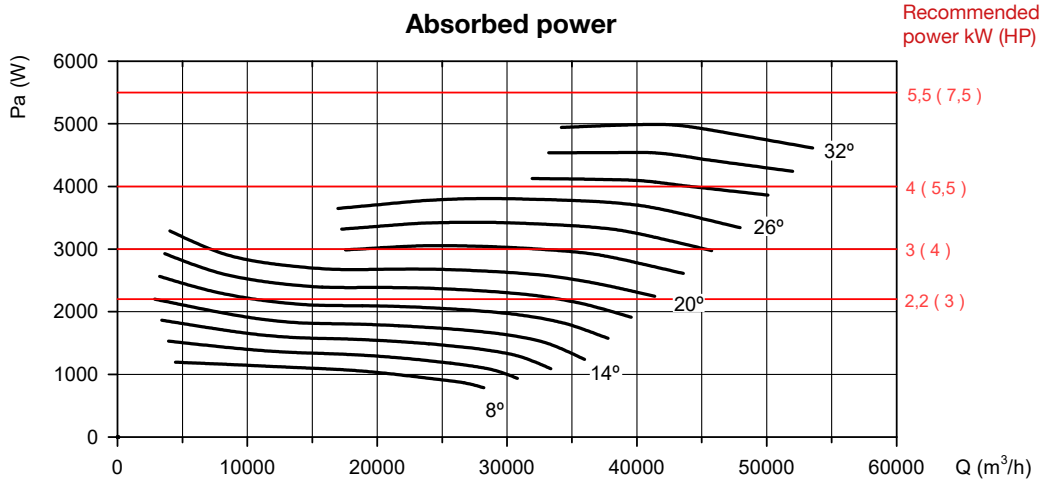


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 100 **Number of motor poles: 6** **Number of blades: 6**

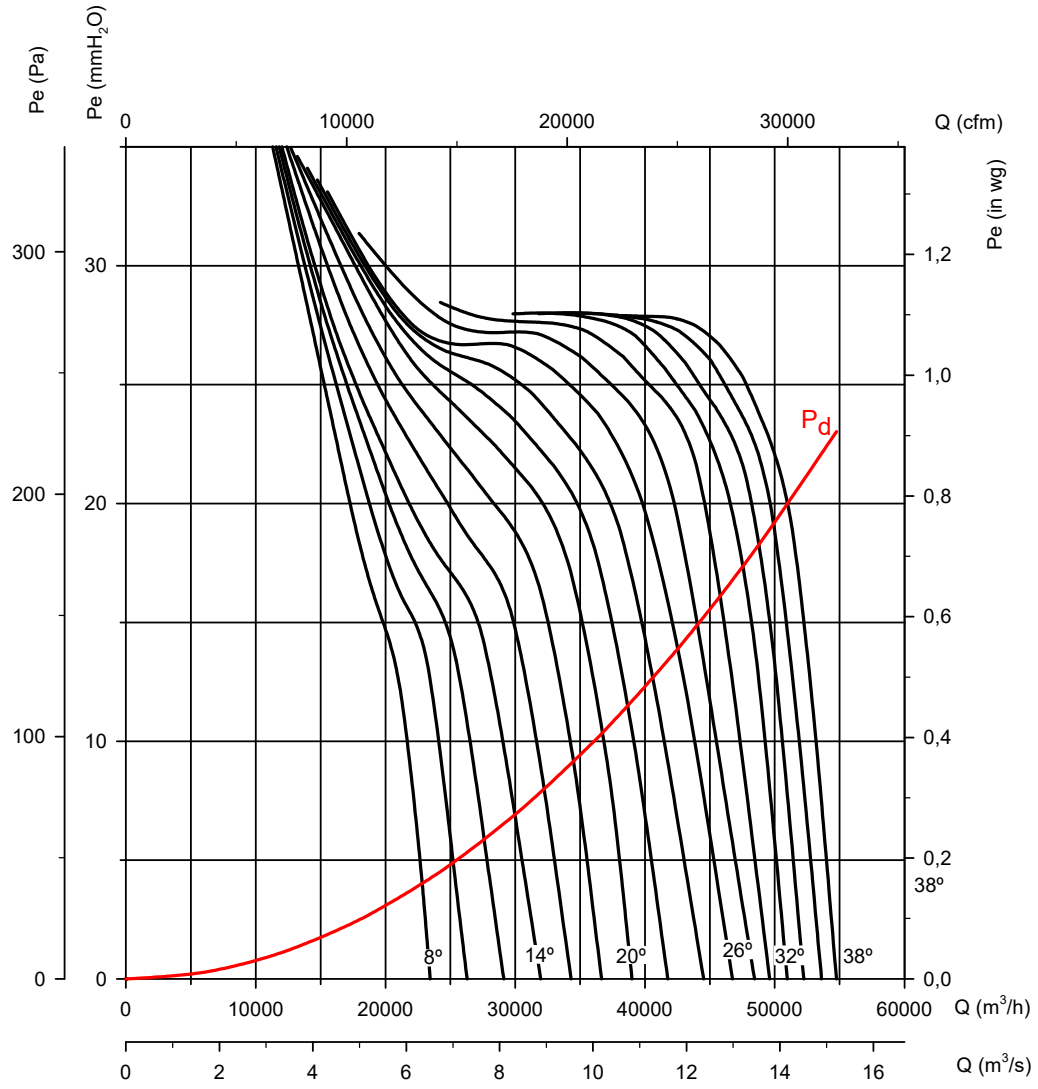


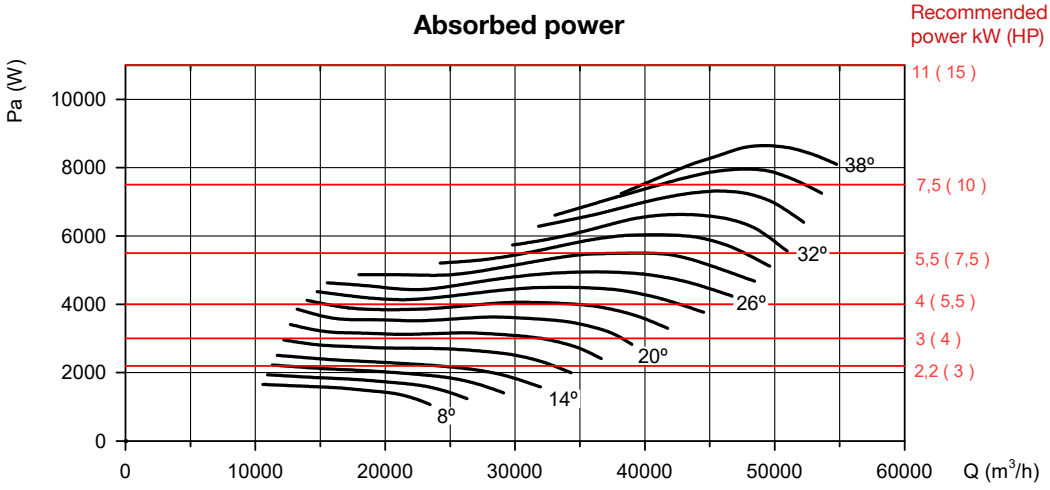


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 100 **Number of motor poles: 6** **Number of blades: 9**

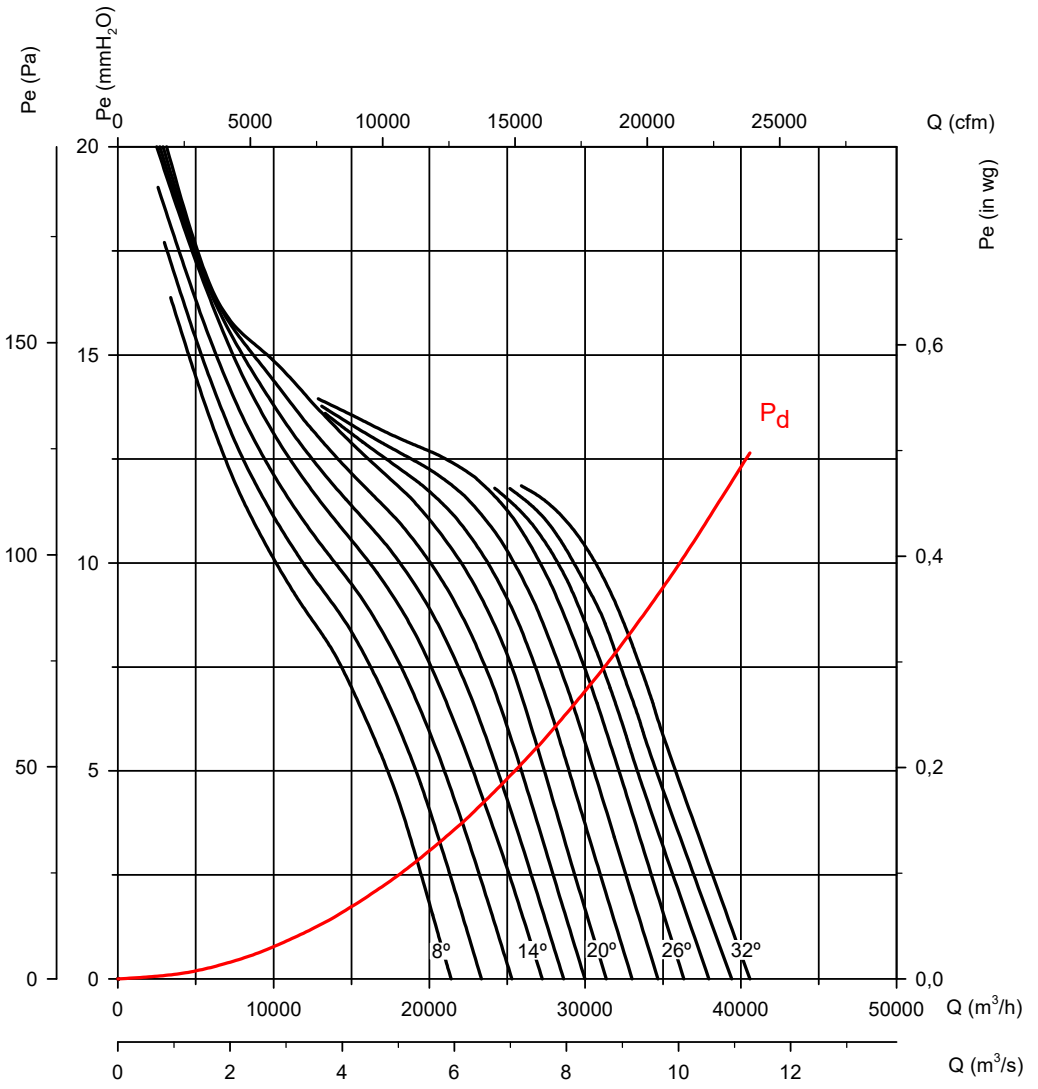


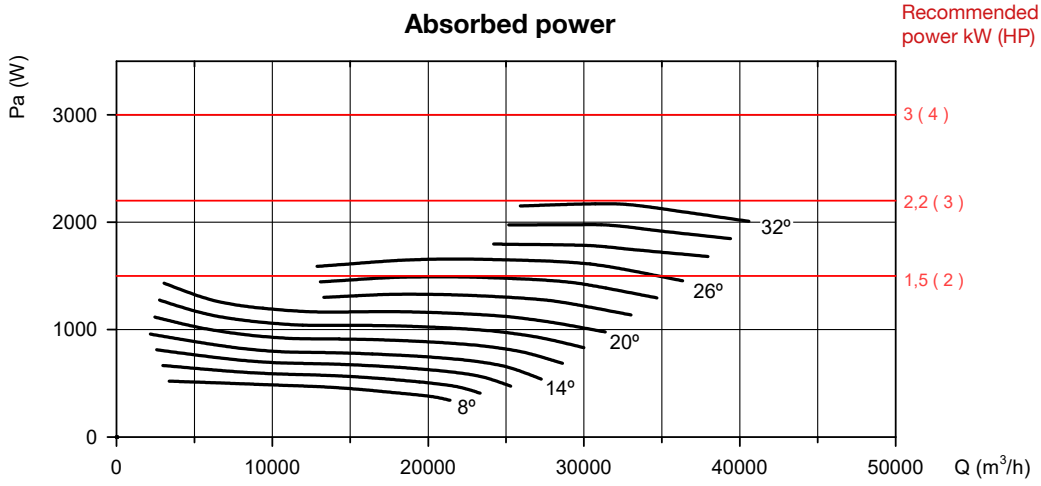


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 100 **Number of motor poles: 8** **Number of blades: 6**

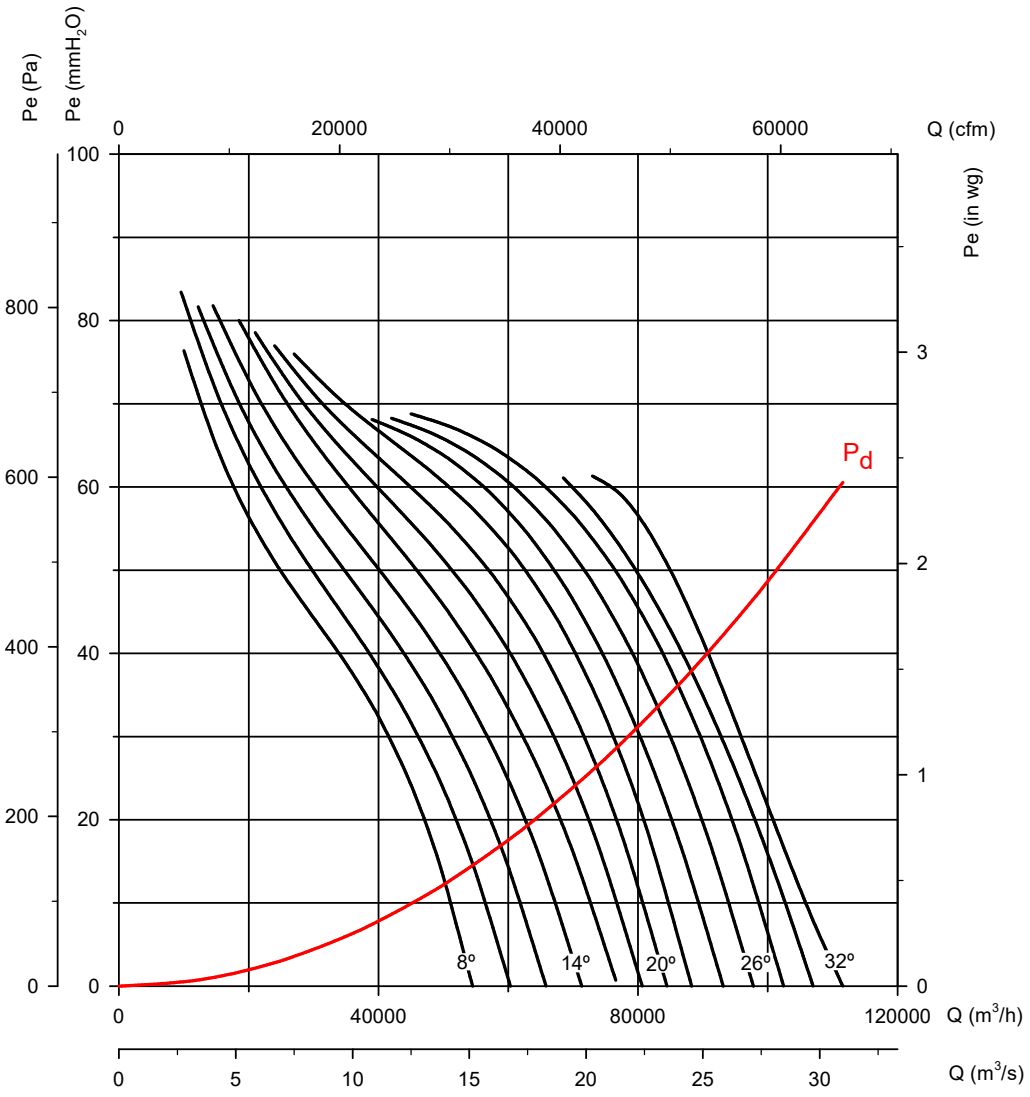


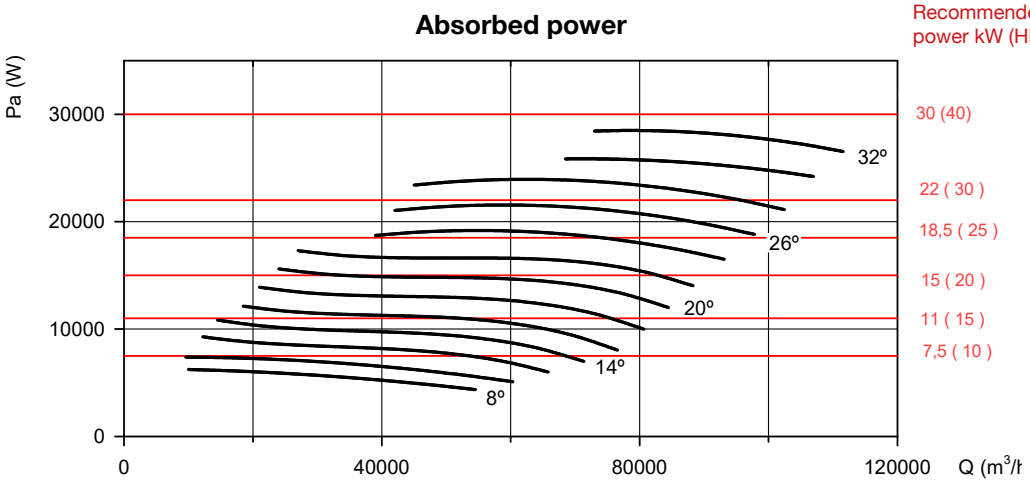


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 112 **Number of motor poles: 4** **Number of blades: 6**

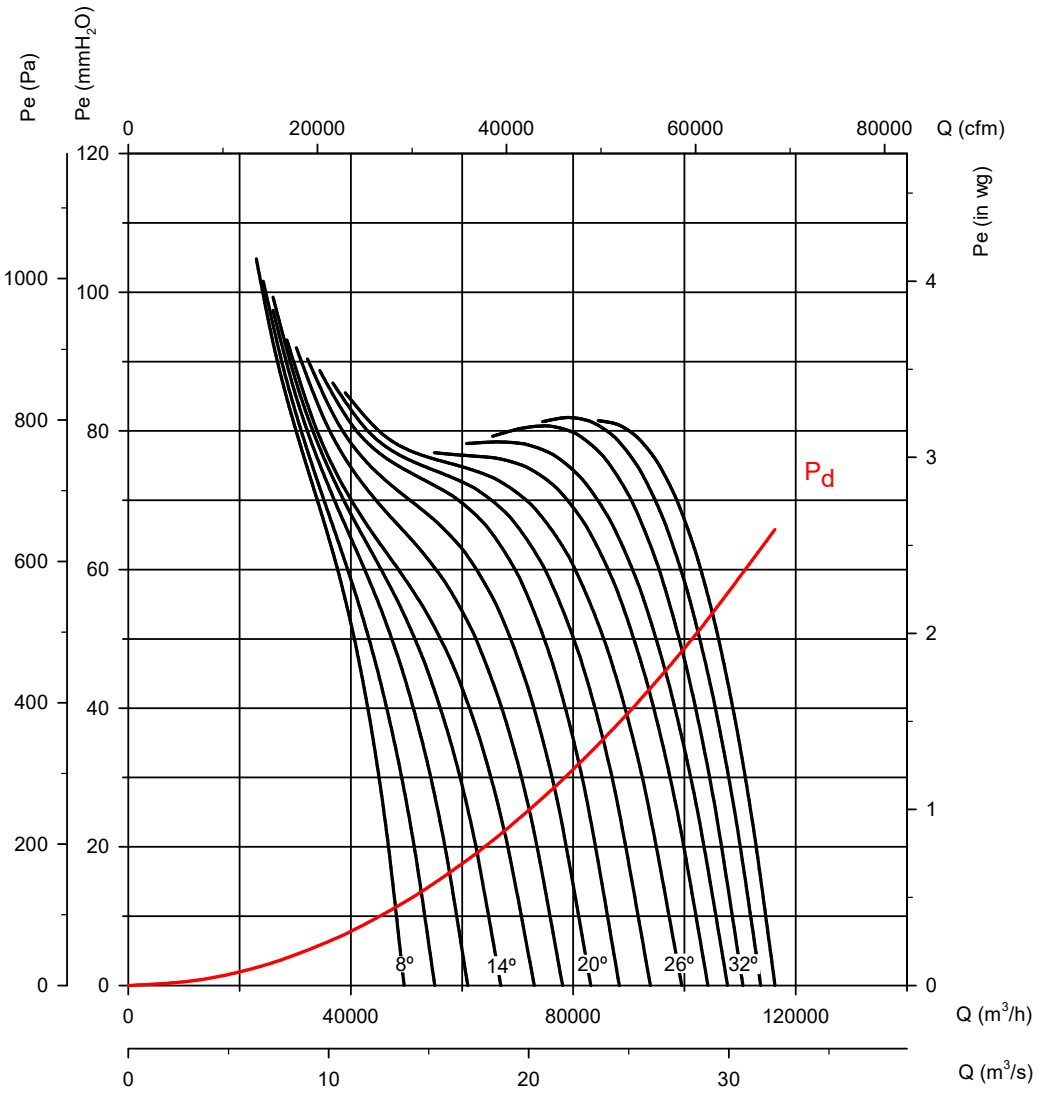


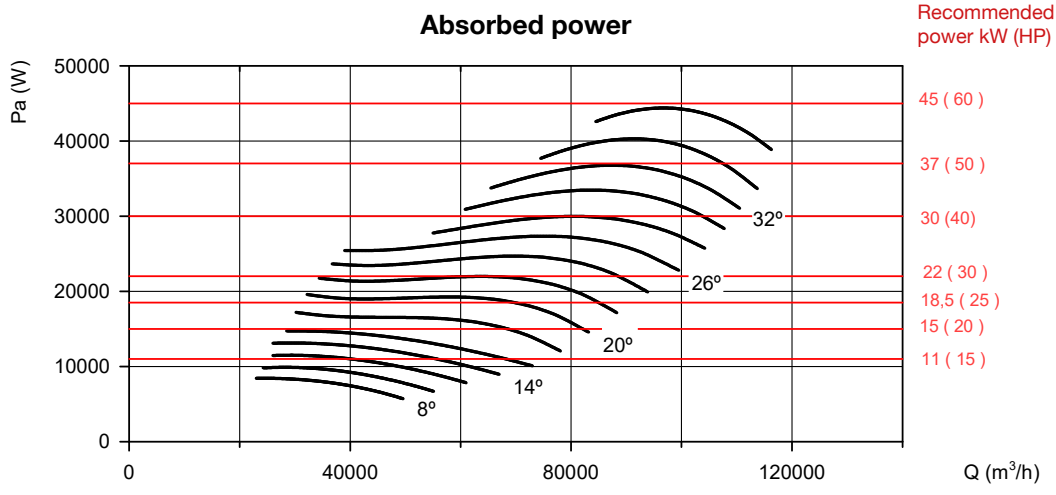


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 112 **Number of motor poles: 4** **Number of blades: 9**

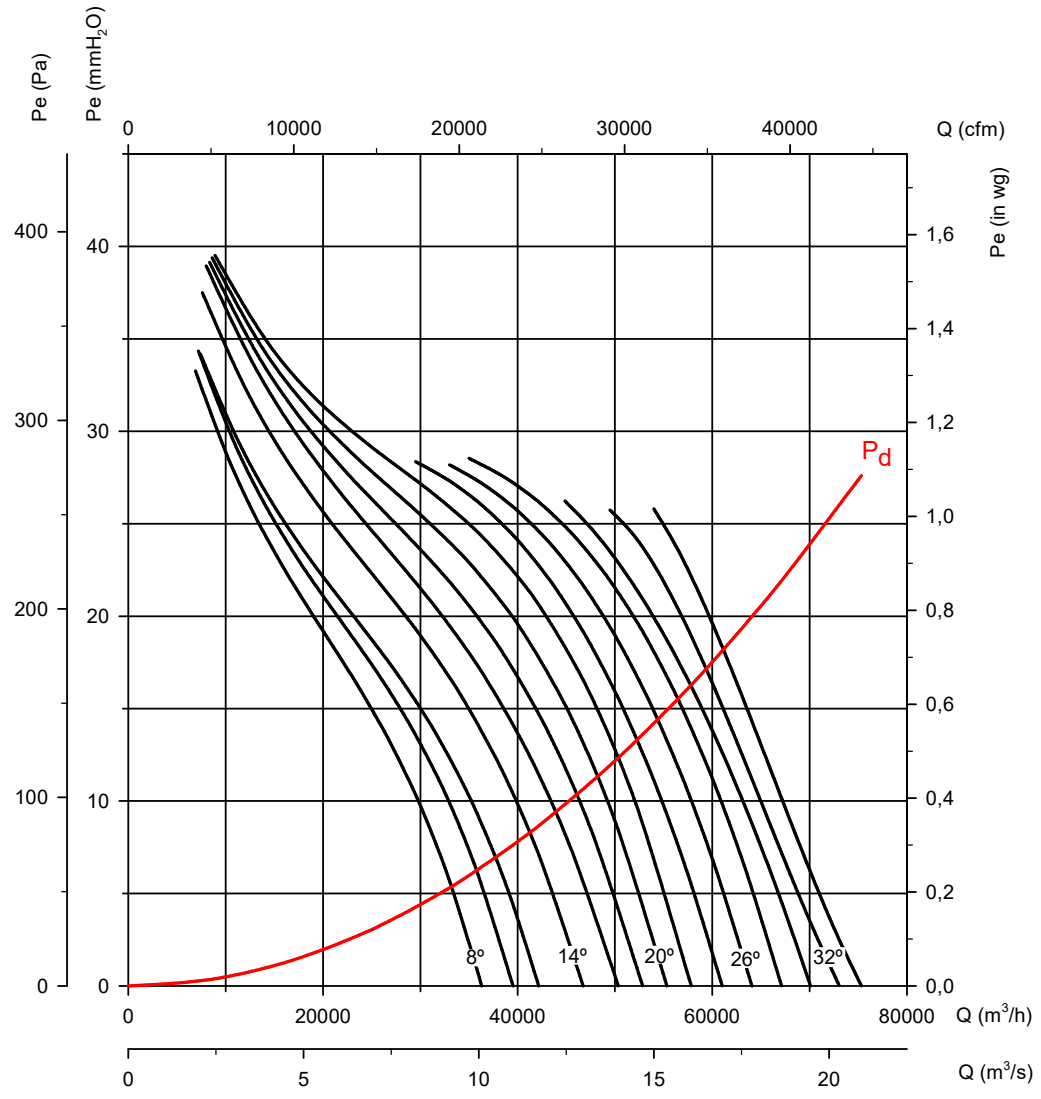


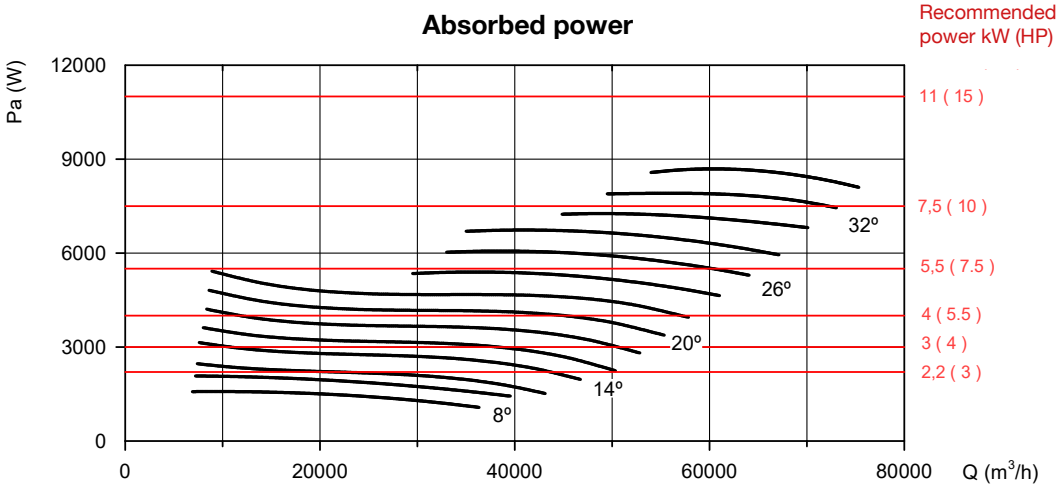


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 112 **Number of motor poles: 6** **Number of blades: 6**

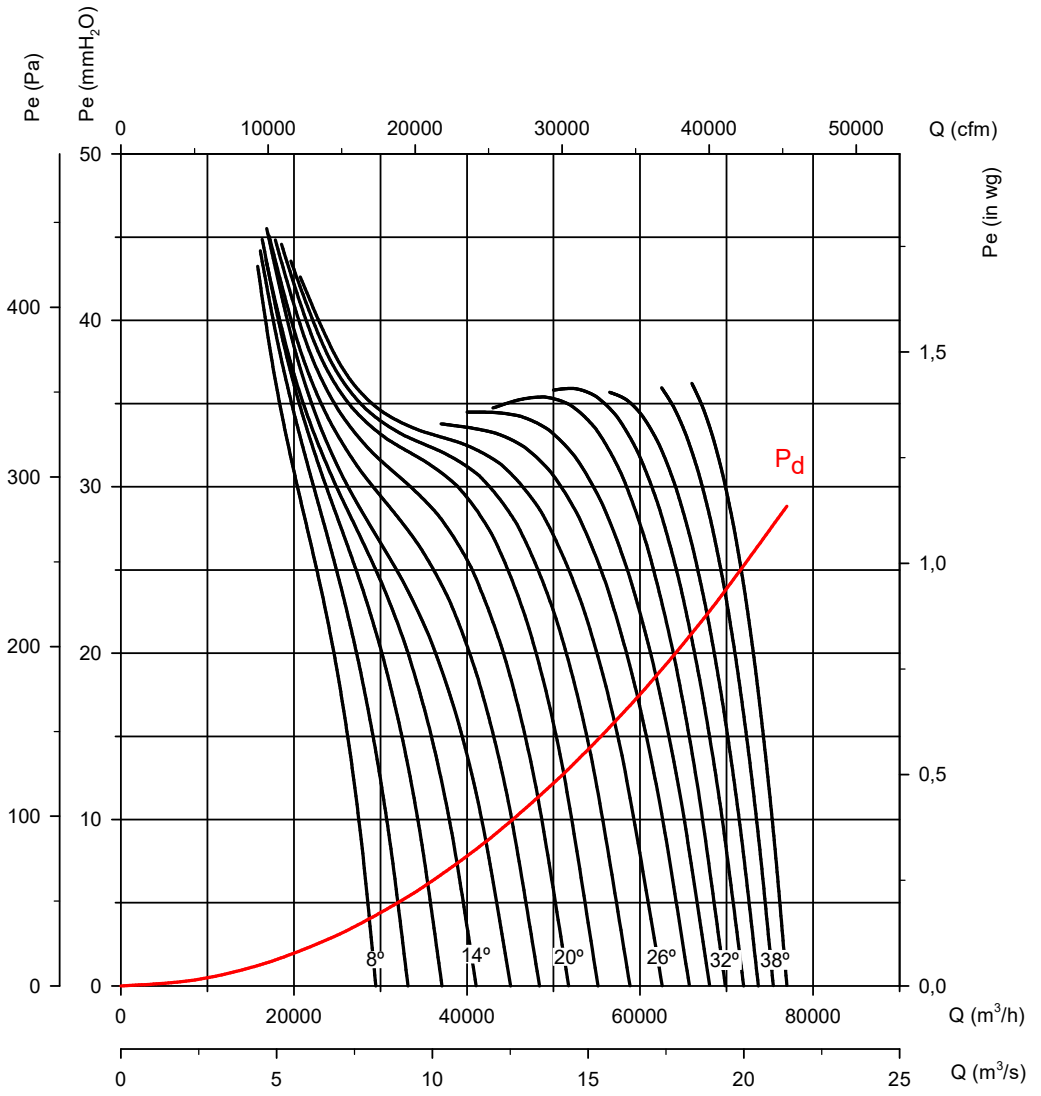


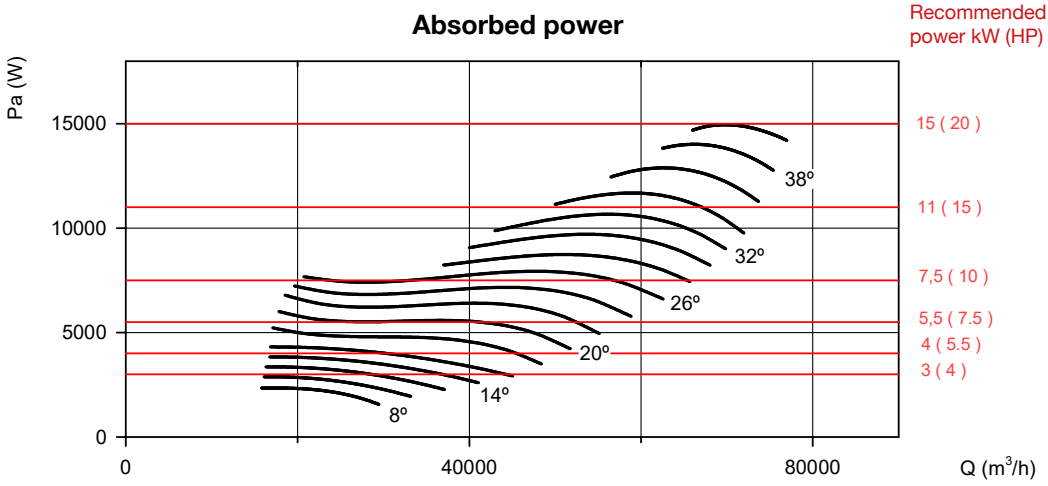


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 112 **Number of motor poles: 6** **Number of blades: 9**

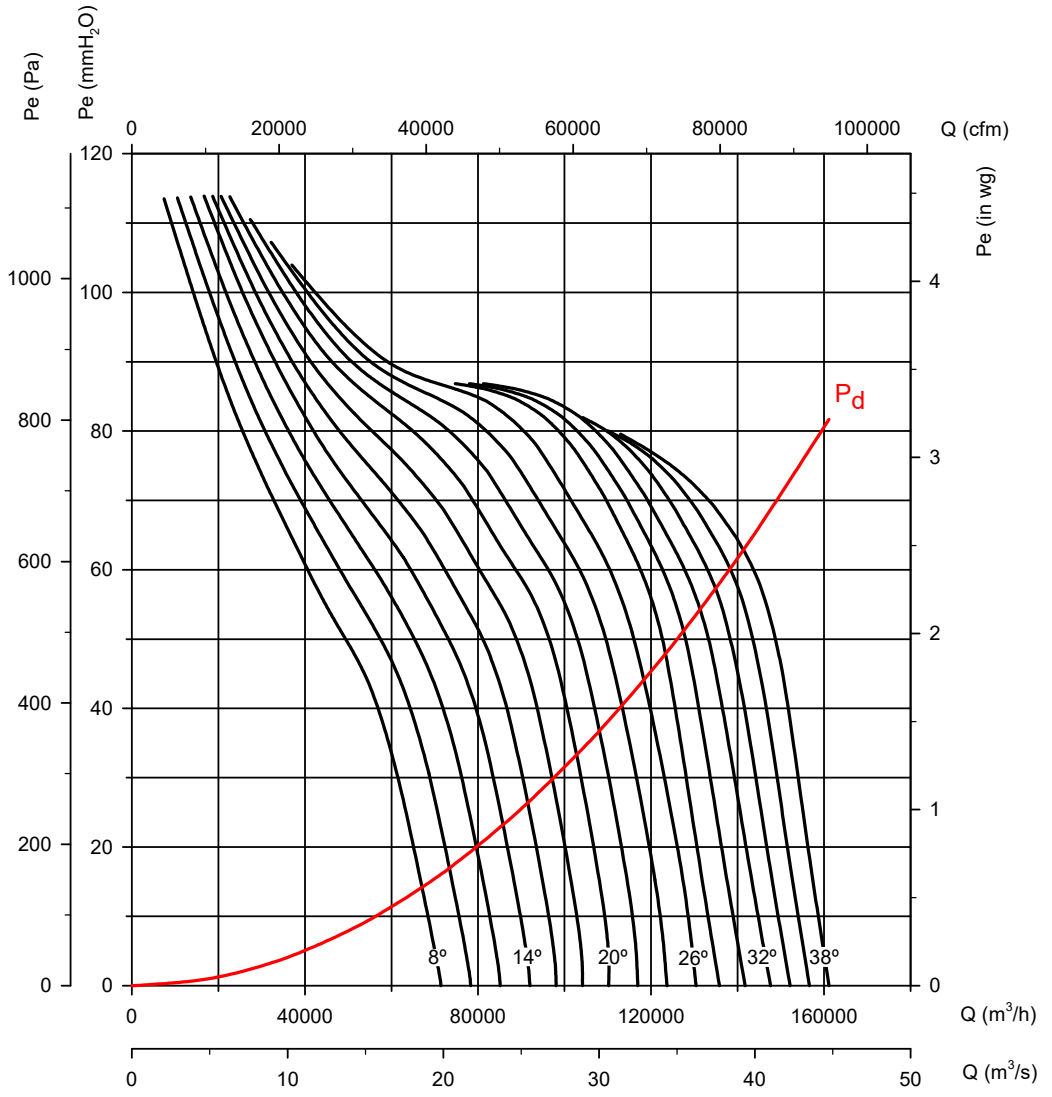


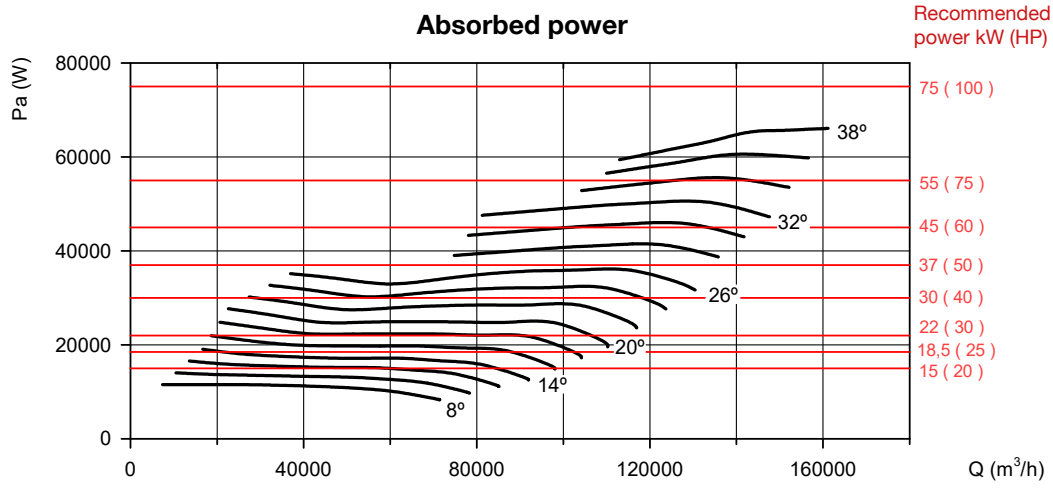


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 125 **Number of motor poles: 4** **Number of blades: 6**

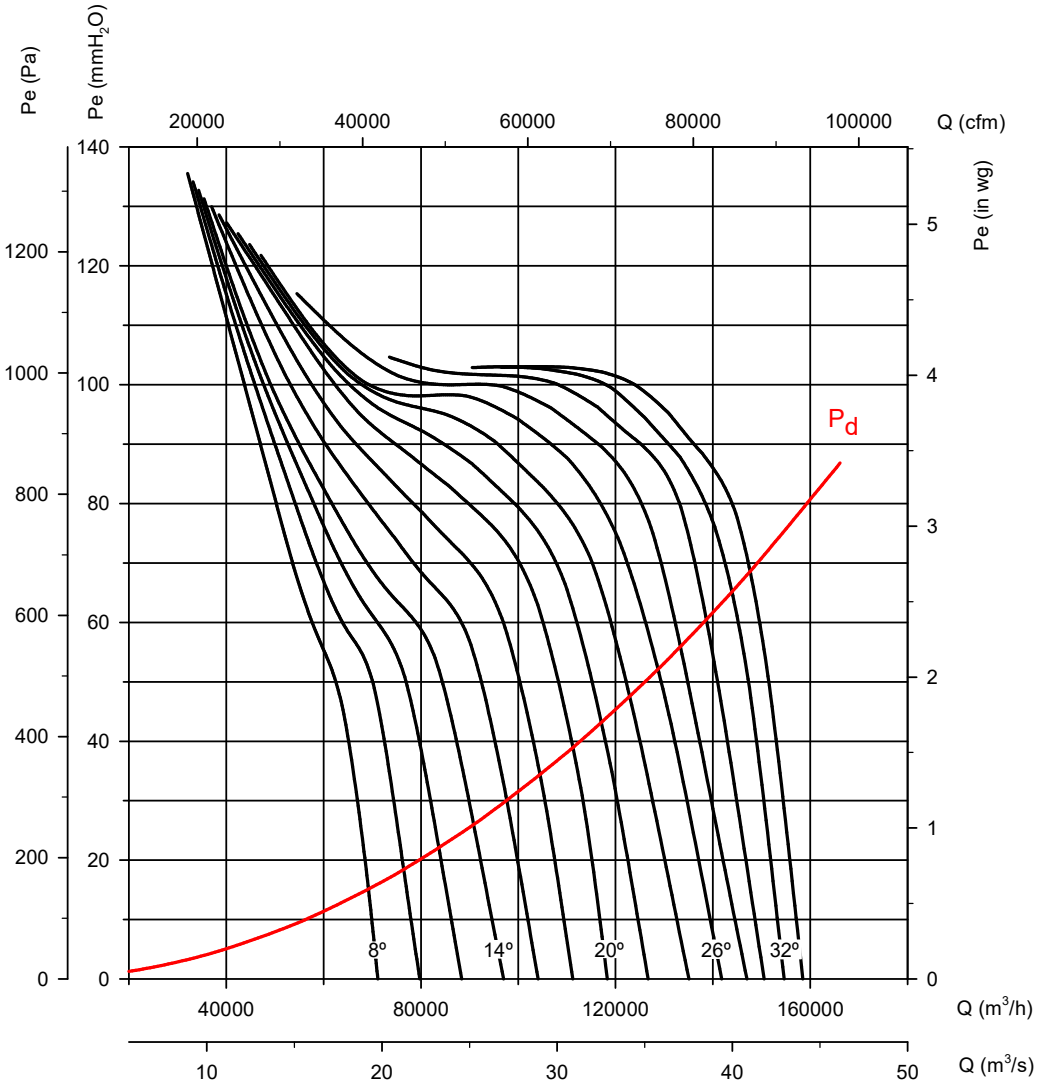


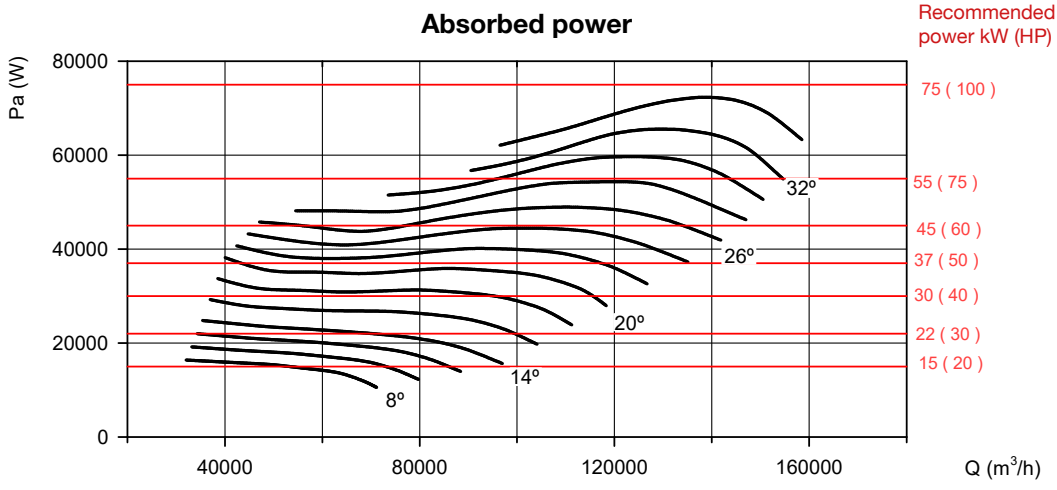


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 125 **Number of motor poles: 4** **Number of blades: 9**

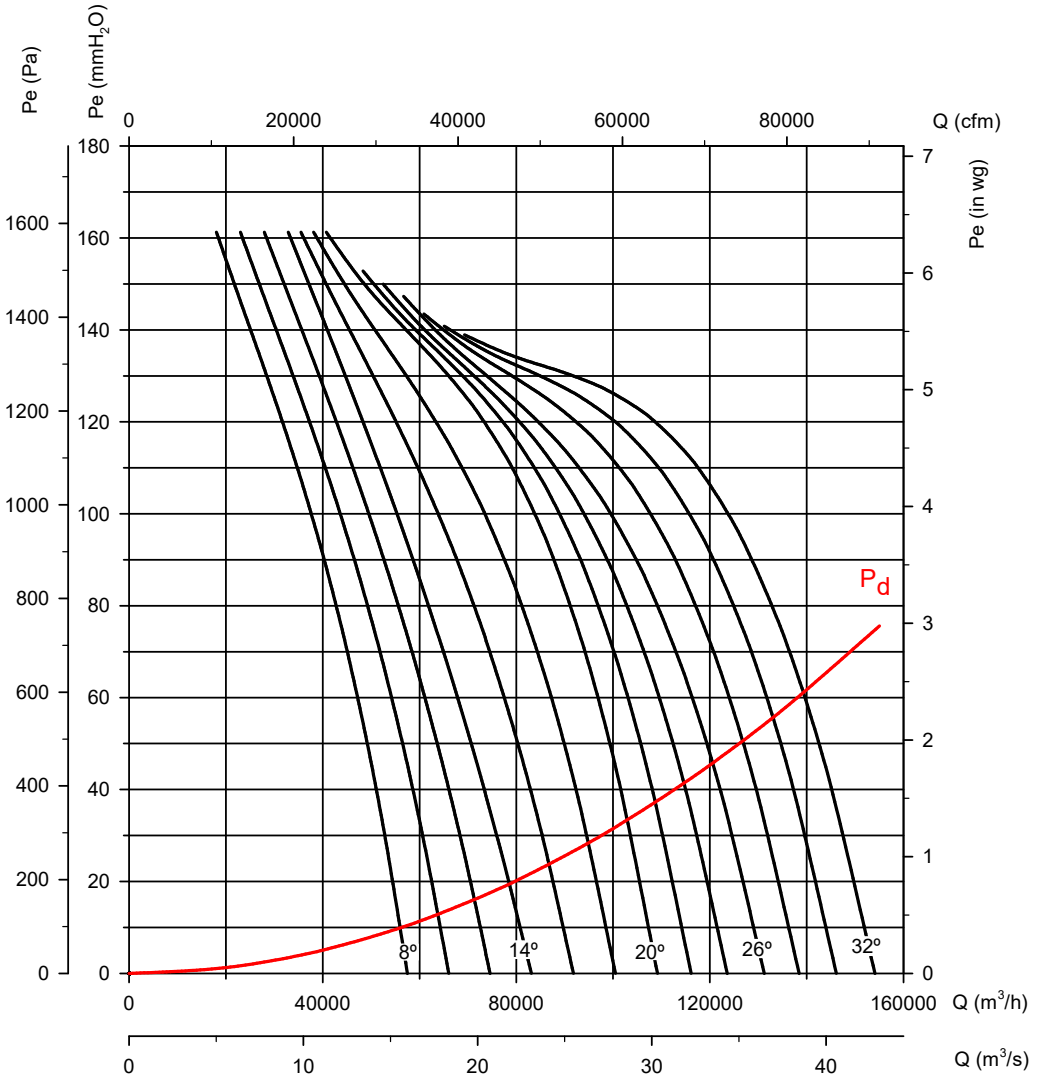


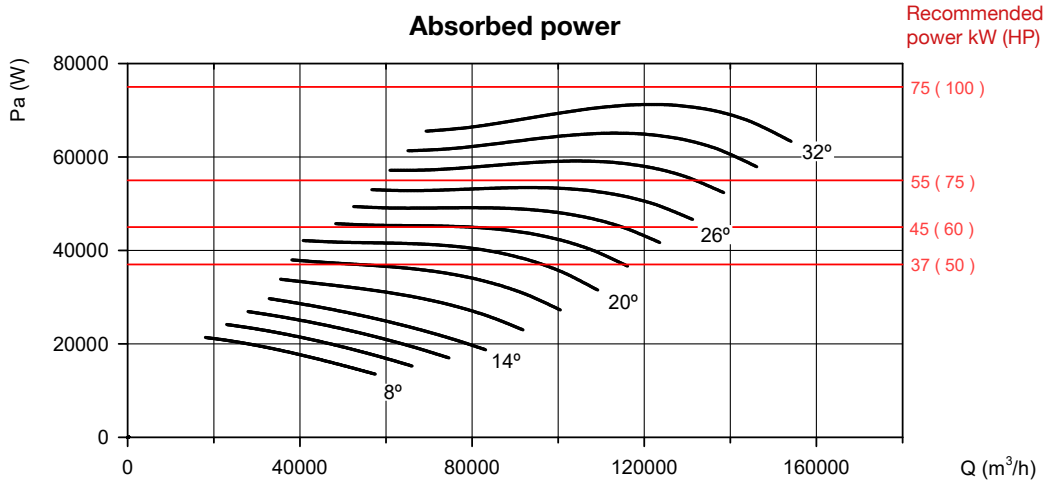


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 125 **Number of motor poles: 4** **Number of blades: 12**

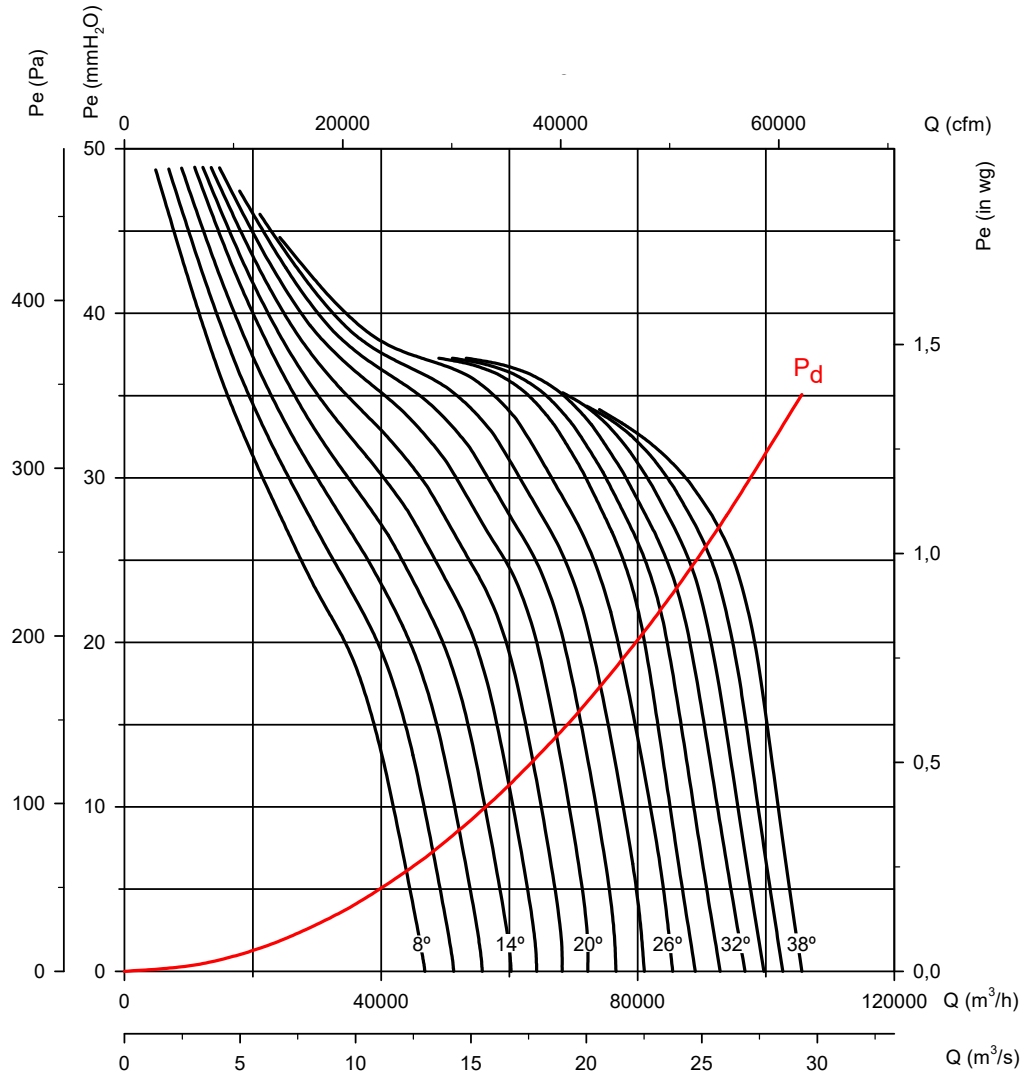


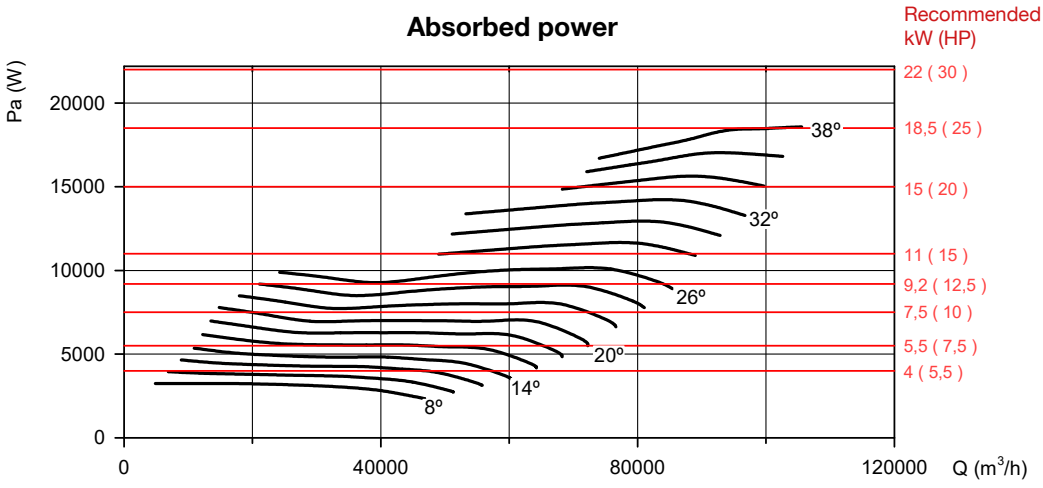


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 125 **Number of motor poles: 6** **Number of blades: 6**

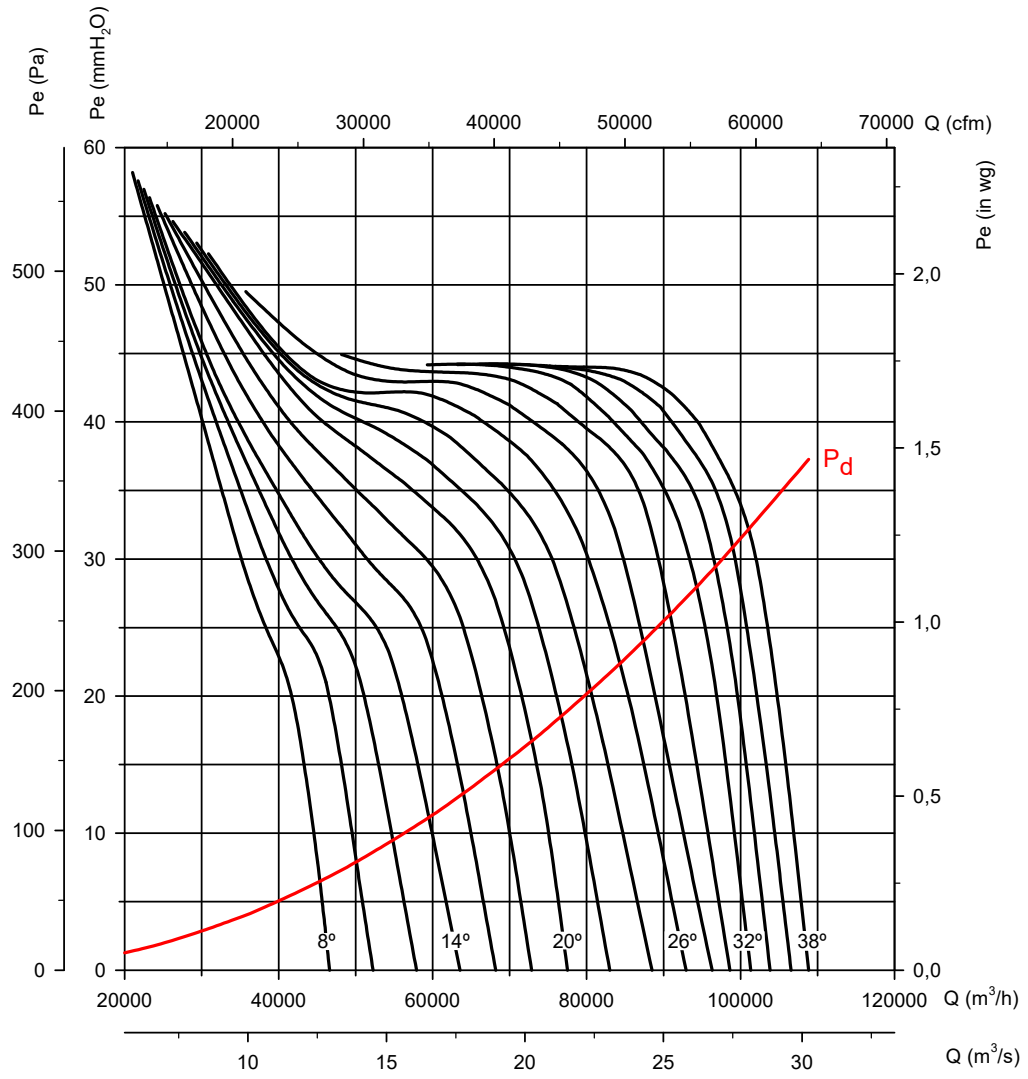


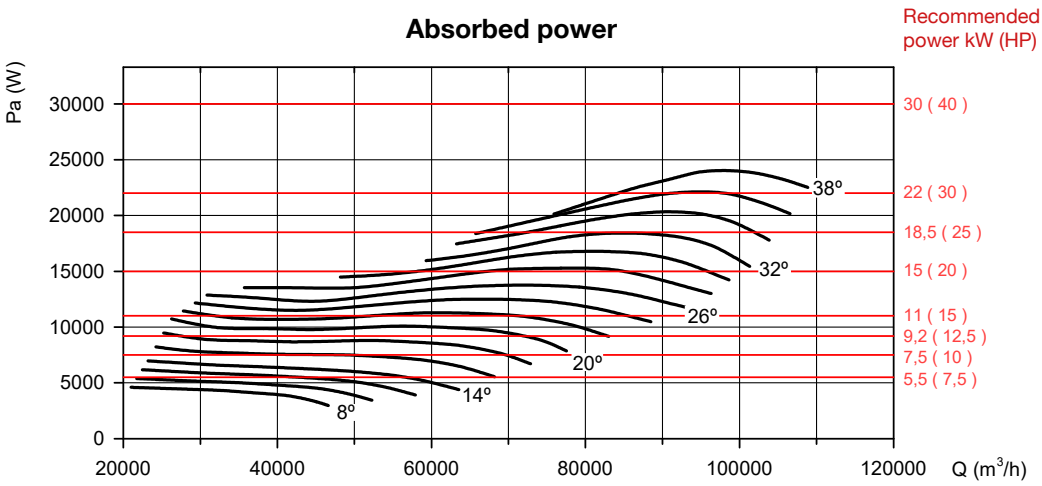


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 125 **Number of motor poles: 6** **Number of blades: 9**

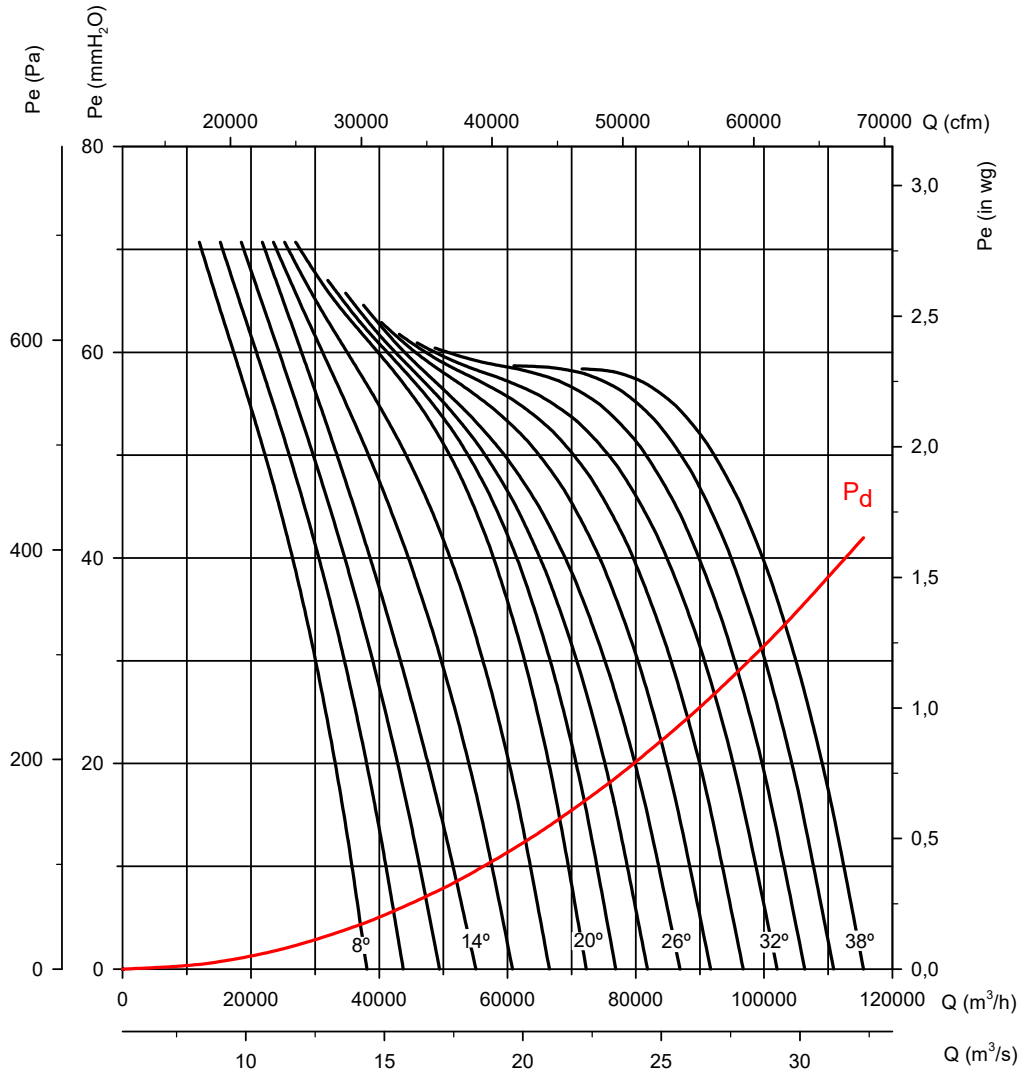


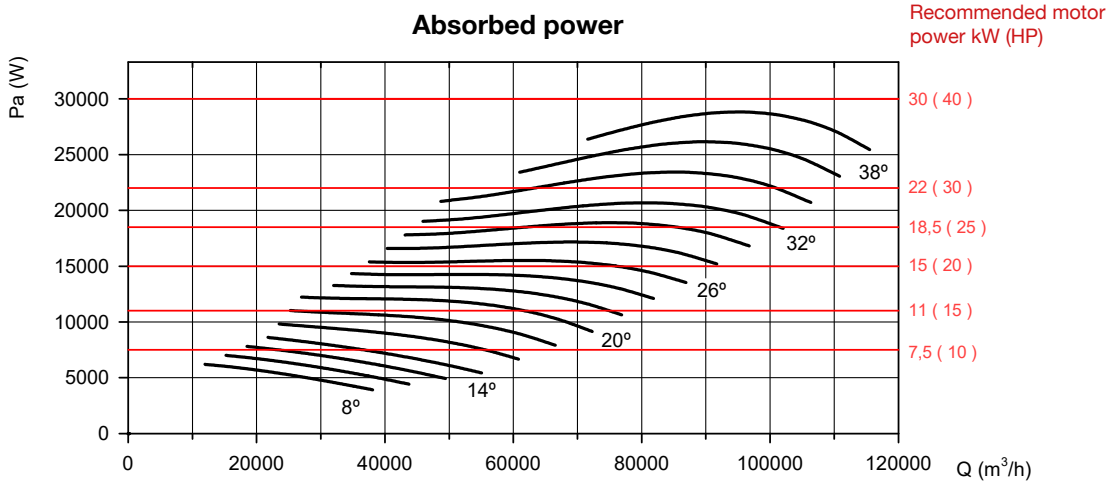


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 125 **Number of motor poles: 6** **Number of blades: 12**

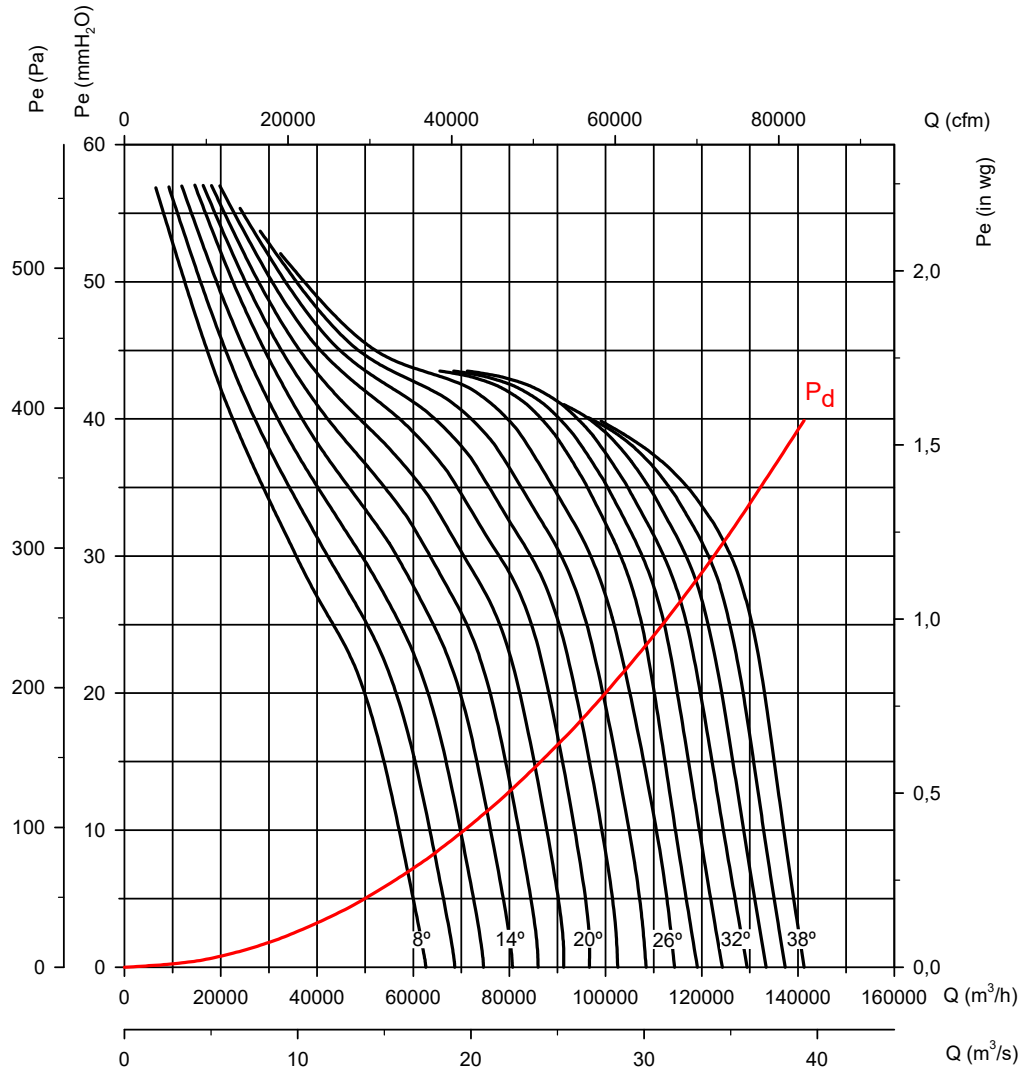


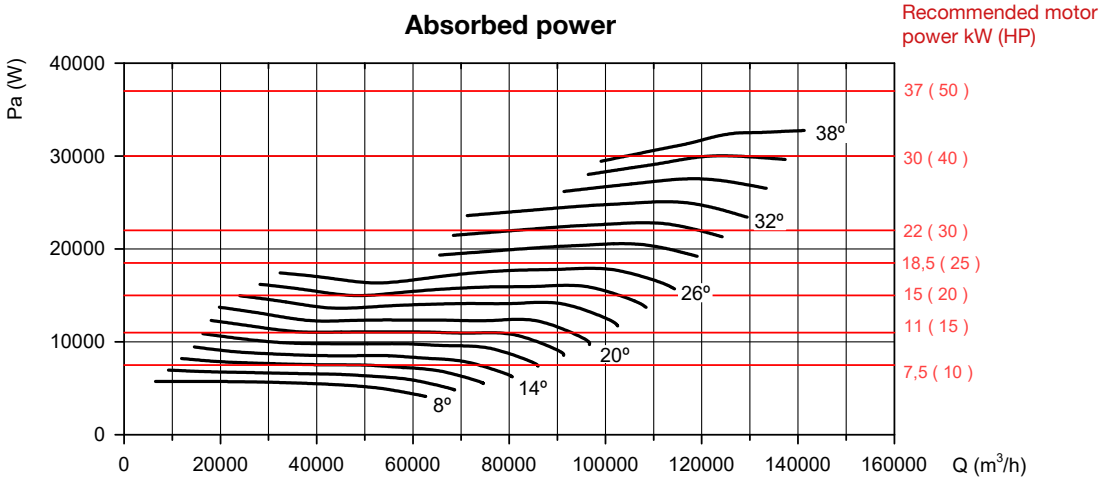


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 140 Number of motor poles: 6 Number of blades: 6

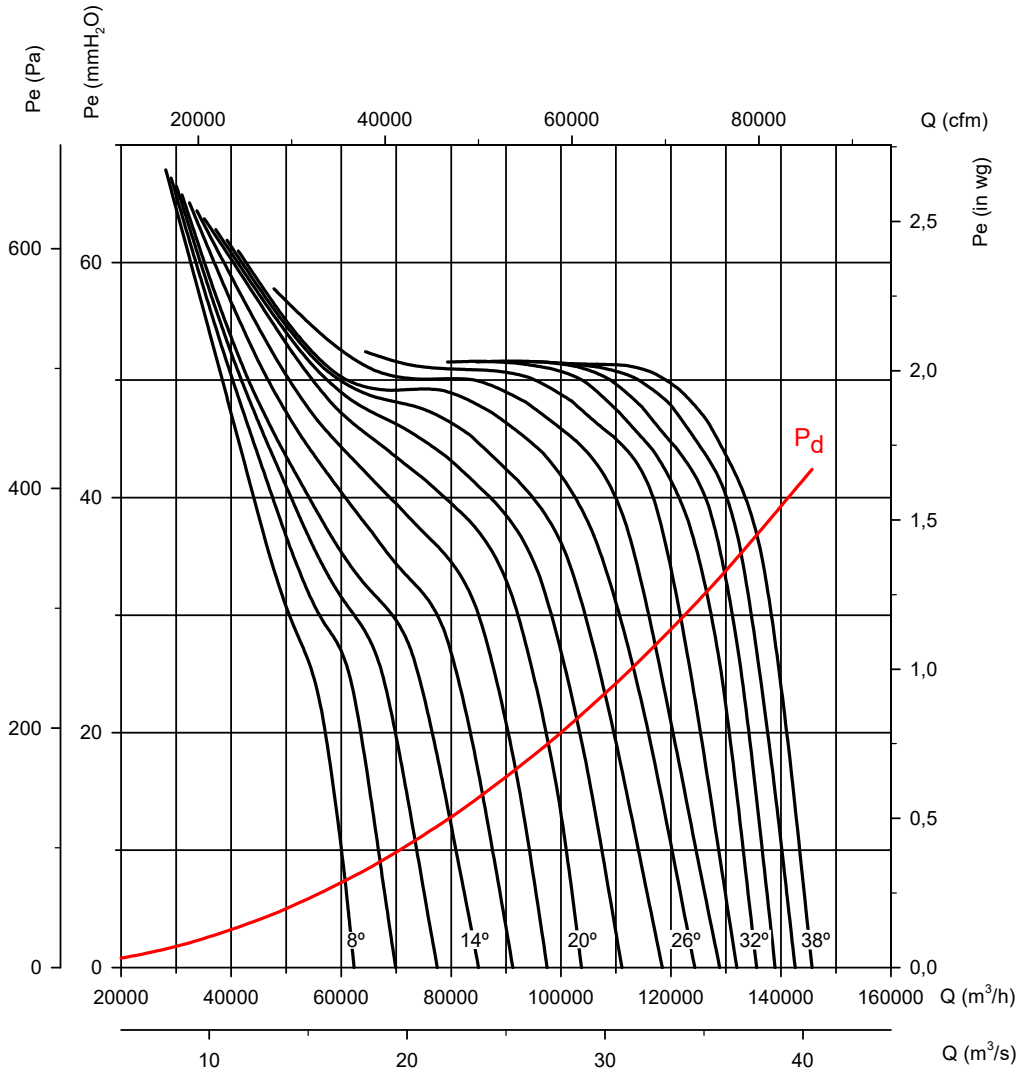


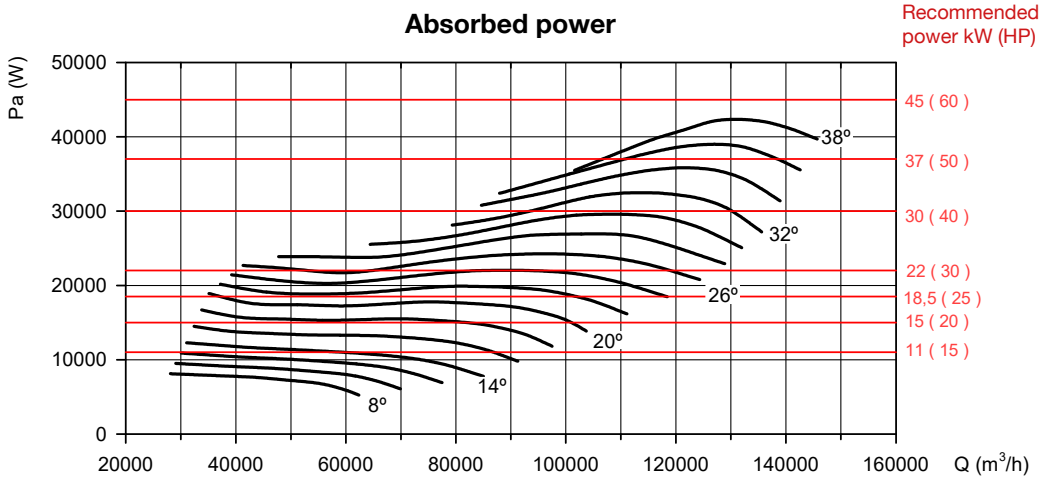


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 140 **Number of motor poles: 6** **Number of blades: 9**

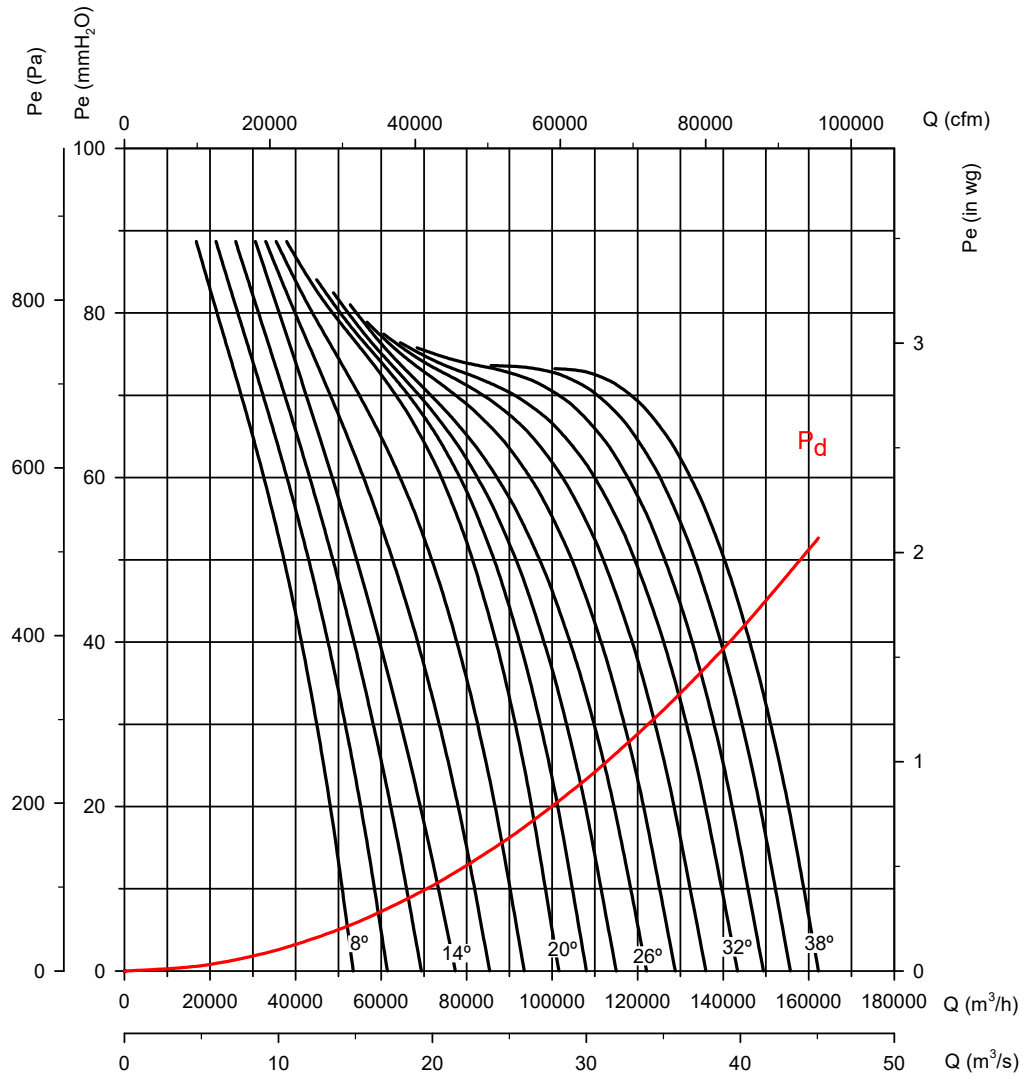


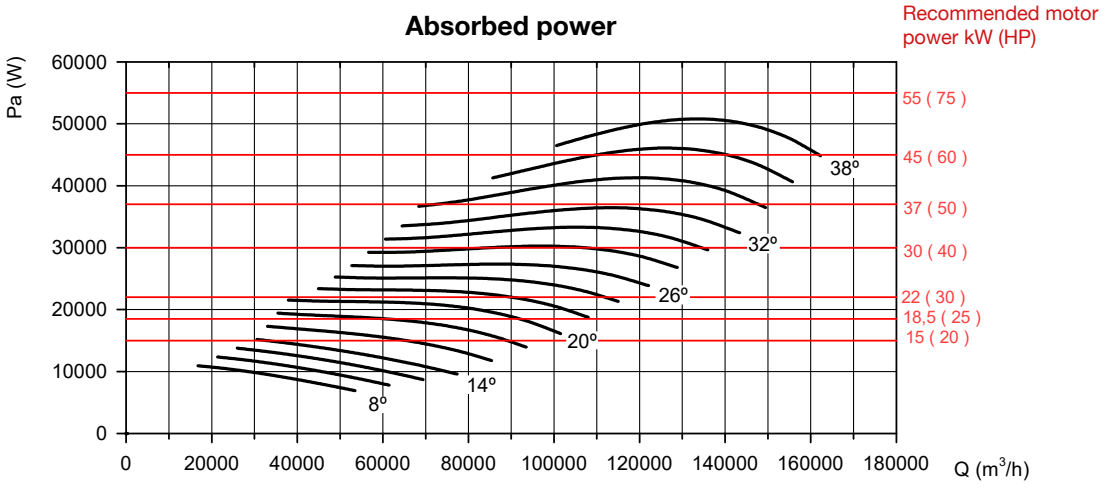


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 140 **Number of motor poles: 6** **Number of blades: 12**

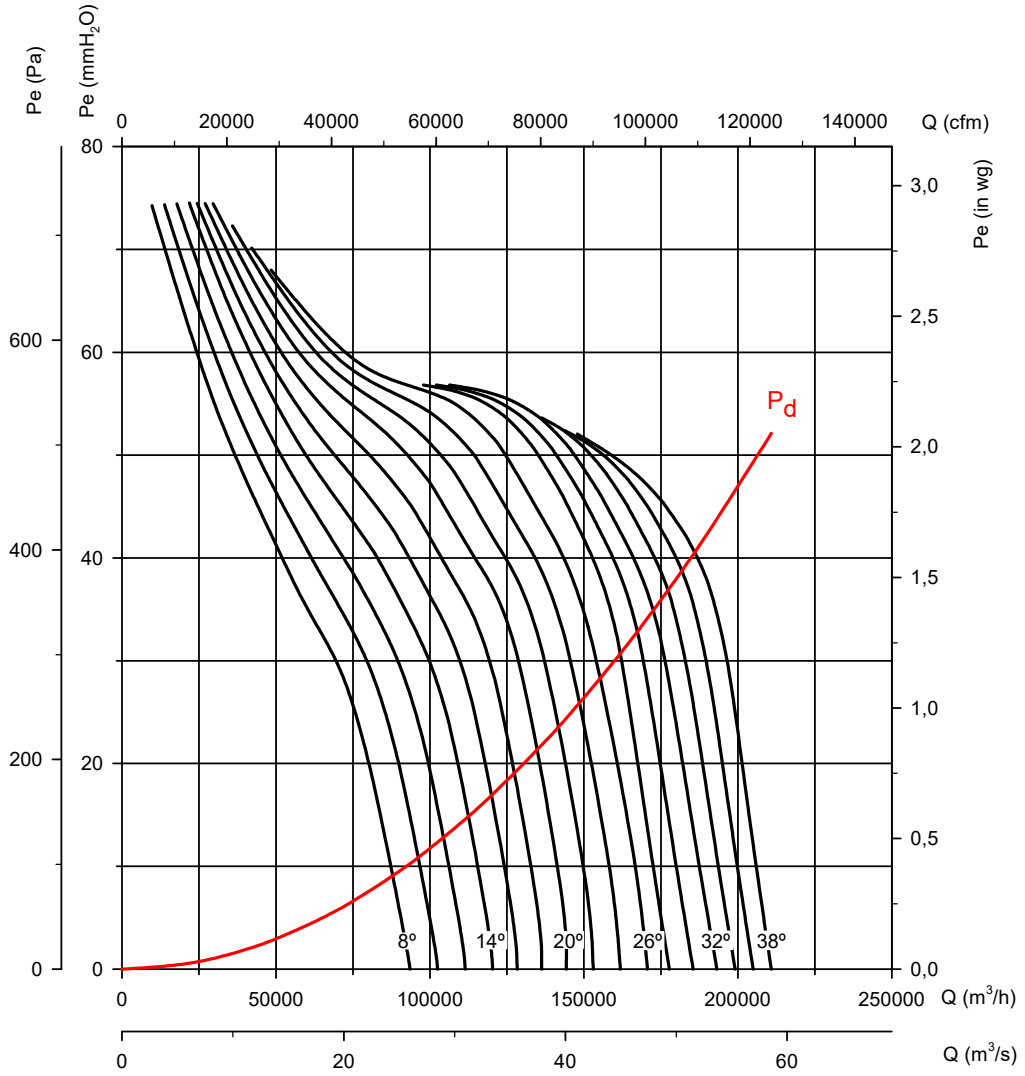


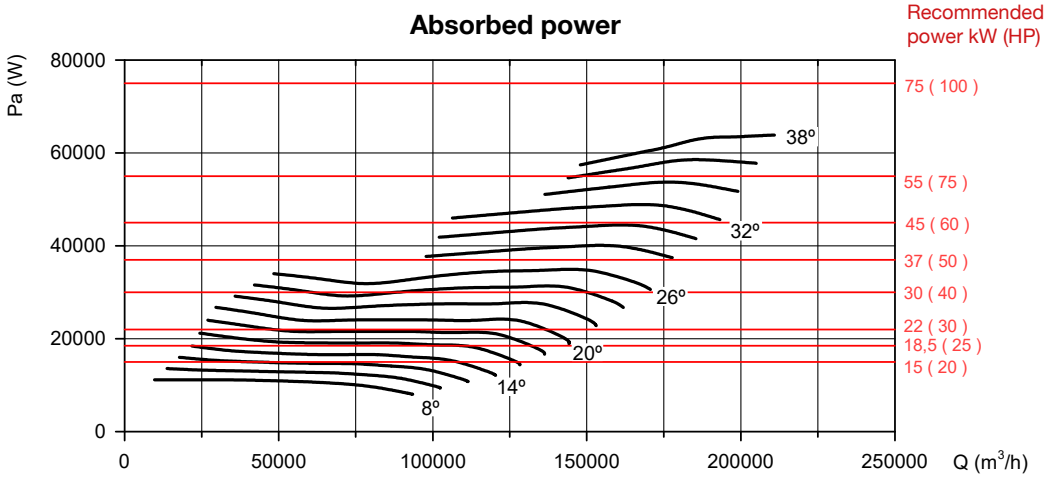


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 160 **Number of motor poles: 6** **Number of blades: 6**

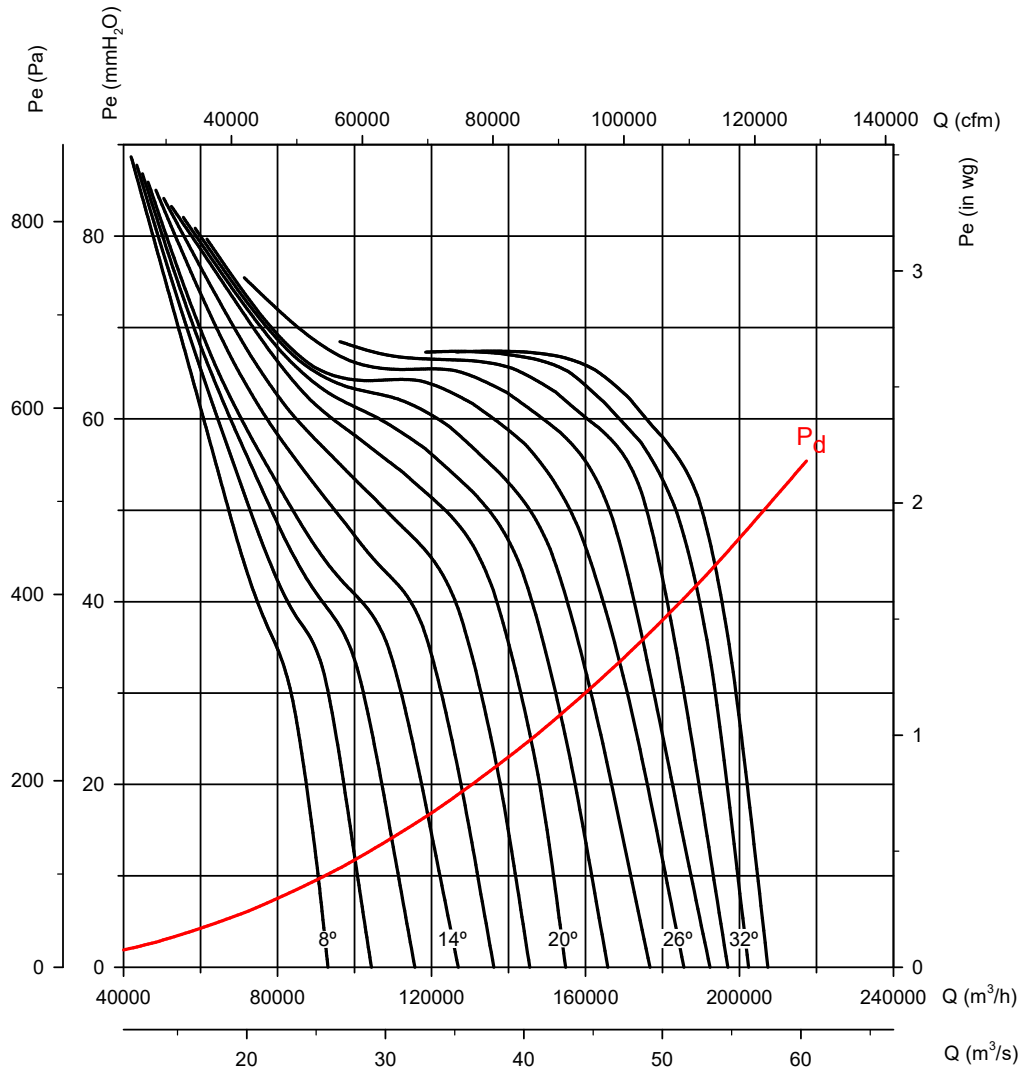


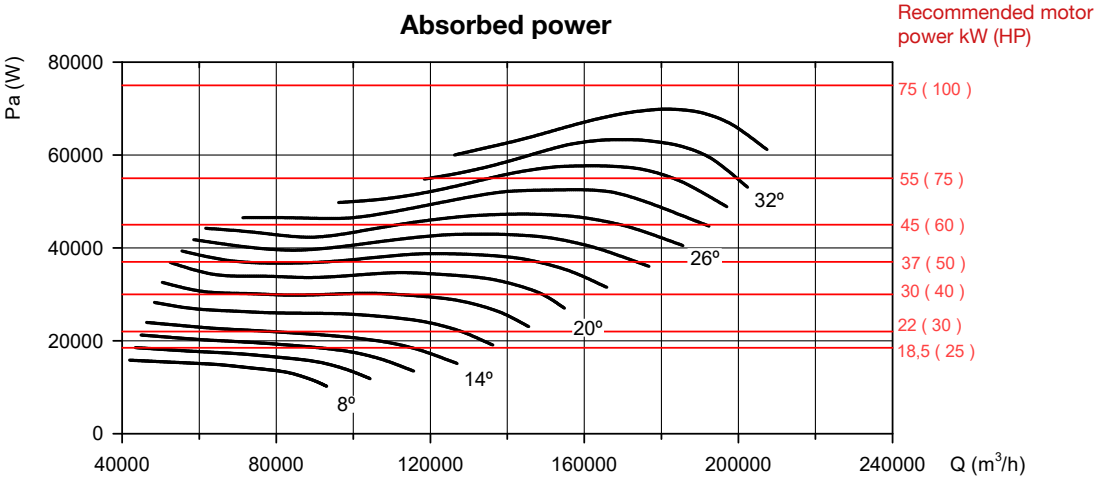


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 160 **Number of motor poles: 6** **Number of blades: 9**





Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

Impeller diameter in cm: 160 **Number of motor poles: 6** **Number of blades: 12**