

THT/ROOF

400°C/2h and 300°C/2h roof-mounted axial extract fans with vertical air outlets



Roof-mounted axial extract fans with vertical air outlets, for immersed operation in fire risk zones, designed for smoke extraction in industrial or similar buildings.

Fan:

- Galvanised sheet steel support base with anti-corrosive treatment.
- Cast aluminium orientable impellers.
- 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.
- Approved in accordance with standard EN 12101-3. With 0370-CPR-3080 (F400) and 0370-CPR-3056 (F300) certifications.
- Airflow direction from motor to impeller.

Motor:

- IE3 efficiency motors for powers equal to or higher than 0.75kW except single-phase, 2-speed and 8-pole.

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings and class IP55 protection.
- Three-phase 230/400 V-50 Hz (up to 3 kW) and 400/690 V-50 Hz (powers higher than 3 kW).
- Maximum temperature of air to be carried: S1 -20°C +40°C continuous service, also suitable for warm climates with temperatures up to 50°C. S2 operation, 300°C/2h, 400°C/2h.

Finish:

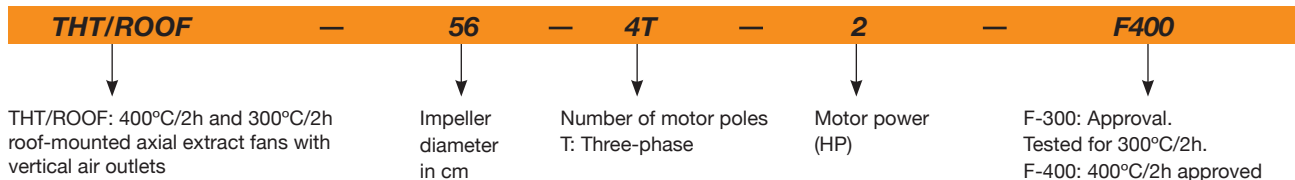
- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment.

On request:

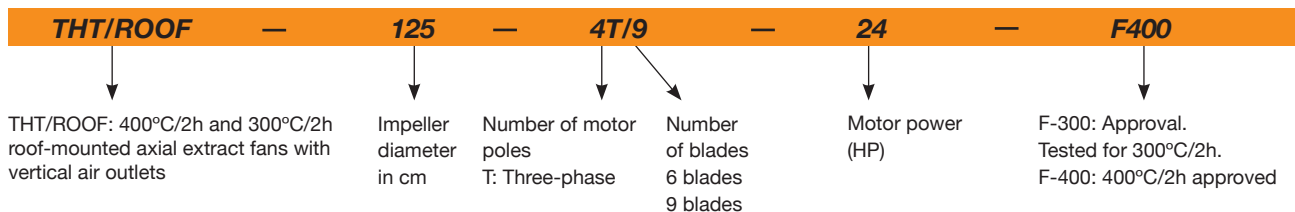
- Extract fans with 2-speed motors
- 2 and 8-pole fans depending on diameter.

Order code

From size 40 to size 100



Size 120



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade inclination angle (°)	Maximum flow rate (m³/h)	Sound pressure level ⁽¹⁾ dB(A)		Approx. weight (kg)	According to ErP
		230V	400V	690V				Inlet	Exhaust		
THT/ROOF-40-4T-0.75	1420	2.90	1.70		0.55	32	4800	51	46	39	*
THT/ROOF-40-6T-0.75	930	3.30	1.90		0.55	32	3150	40	36	44	2015
THT/ROOF-45-4T-0.75	1420	2.90	1.70		0.55	36	7450	55	50	42	*
THT/ROOF-45-6T-0.75	930	3.30	1.90		0.55	30	4450	42	38	47	*
THT/ROOF-50-4T-1	1430	3.80	2.20		0.75	28	9750	59	54	51	*
THT/ROOF-50-6T-0.75	930	3.30	1.90		0.55	32	7000	47	43	54	*
THT/ROOF-56-4T-1	1430	3.80	2.20		0.75	22	11250	63	58	58	2015
THT/ROOF-56-4T-1.5	1420	4.70	2.70		1.10	30	13600	64	59	58	*

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade inclination angle (°)	Maximum flow rate (m³/h)	Sound pressure level ⁽¹⁾ dB(A)		Approx. weight (kg)	According to ErP
		230V	400V	690V				Inlet	Exhaust		
THT/ROOF-56-4T-2	1425	6.60	3.80		1.50	36	15050	65	60	61	*
THT/ROOF-56-6T-0.75	930	3.30	1.90		0.55	38	10150	52	48	57	*
THT/ROOF-63-4T-1.5	1420	4.70	2.70		1.10	20	17800	63	59	67	2015
THT/ROOF-63-4T-2	1425	6.60	3.80		1.50	24	19300	63	59	71	2015
THT/ROOF-63-4T-3	1435	9.20	5.30		2.20	32	22150	65	61	76	2015
THT/ROOF-63-4T-4	1430	11.40	6.60		3.00	38	24250	66	62	85	2015
THT/ROOF-63-6T-0.75	930	3.30	1.90		0.55	28	13600	55	51	67	2015
THT/ROOF-63-6T-1	940	4.40	2.60		0.75	38	15900	57	53	70	2015
THT/ROOF-71-4T-2	1425	6.60	3.80		1.50	14	20900	68	64	78	2015
THT/ROOF-71-4T-3	1435	9.20	5.30		2.20	22	25100	67	63	83	2015
THT/ROOF-71-4T-4	1430	11.40	6.60		3.00	28	27500	68	64	92	2015
THT/ROOF-71-6T-0.75	930	3.30	1.90		0.55	20	16100	56	53	74	2015
THT/ROOF-71-6T-1	940	4.40	2.60		0.75	26	17300	57	53	77	2015
THT/ROOF-71-6T-1.5	945	6.40	3.70		1.10	34	19950	58	54	83	2015
THT/ROOF-80-4T-4	1430	11.40	6.60		3.00	16	30250	71	67	114	2015
THT/ROOF-80-4T-5.5	1440		8.40	4.85	4.00	18	32750	71	67	121	2015
THT/ROOF-80-6T-1.5	945	6.40	3.70		1.10	18	21450	61	57	105	2015
THT/ROOF-80-6T-2	945	7.40	4.30		1.50	26	25950	62	58	114	2015
THT/ROOF-80-6T-3	950	10.30	5.90		2.20	32	29950	63	59	120	2015
THT/ROOF-90-4T-5.5	1440		8.40	4.85	4.00	12	38900	75	71	134	2015
THT/ROOF-90-4T-7.5	1430		11.50	6.64	5.50	18	46150	74	70	161	2015
THT/ROOF-90-4T-10	1460		17.70	10.22	7.50	22	50150	73	69	172	2015
THT/ROOF-90-6T-2	945	7.40	4.30		1.50	16	28800	64	60	127	2015
THT/ROOF-90-6T-3	950	10.30	5.90		2.20	24	34000	65	60	134	2015
THT/ROOF-90-6T-4	945	15.00	8.70		3.00	30	38900	66	62	159	2015
THT/ROOF-100-4T-7.5	1430		11.50	6.64	5.50	10	46850	79	75	172	2015
THT/ROOF-100-4T-10	1460		17.70	10.22	7.50	16	57400	77	73	183	2015
THT/ROOF-100-4T-15	1455		23.00	13.28	11.00	22	66300	76	72	236	2015
THT/ROOF-100-4T-20	1460		29.00	16.74	15.00	28	76150	78	74	251	2015
THT/ROOF-100-6T-3	950	10.30	5.90		2.20	16	37600	67	64	146	2015
THT/ROOF-100-6T-4	945	15.00	8.70		3.00	20	41150	67	62	171	2015
THT/ROOF-100-6T-5.5	970		11.00	6.35	4.00	26	47800	68	64	183	2015
THT/ROOF-125-4T/6-25	1465		37.00	21.36	18.50	14	92550	80	75	413	2015
THT/ROOF-125-4T/6-30	1470		42.00	24.25	22.00	16	98850	80	75	427	2015
THT/ROOF-125-4T/6-40	1475		58.00	33.49	30.00	22	117450	82	77	507	2015
THT/ROOF-125-4T/6-50	1480		73.00	42.15	37.00	26	131050	83	78	543	2015
THT/ROOF-125-4T/9-25	1465		37.00	21.36	18.50	10	79650	78	73	422	2015
THT/ROOF-125-4T/9-30	1470		42.00	24.25	22.00	12	88300	79	74	436	2015
THT/ROOF-125-4T/9-40	1475		58.00	33.49	30.00	16	104050	81	76	516	2015
THT/ROOF-125-4T/9-50	1480		73.00	42.15	37.00	20	118400	83	78	552	2015
THT/ROOF-125-6T/6-5.5	970		11.00	6.35	4.00	10	51500	66	62	288	2015
THT/ROOF-125-6T/6-7.5	970		14.00	8.08	5.50	14	60650	66	62	295	2015
THT/ROOF-125-6T/6-10	960		18.60	10.74	7.50	20	72650	68	64	325	2015
THT/ROOF-125-6T/6-15	955		26.00	15.01	11.00	26	85850	70	66	355	2015
THT/ROOF-125-6T/6-20	950		35.50	20.50	15.00	30	92850	71	67	413	2015
THT/ROOF-125-6T/9-10	960		18.60	10.74	7.50	14	63500	68	64	334	2015
THT/ROOF-125-6T/9-15	955		26.00	15.01	11.00	20	77550	71	67	364	2015
THT/ROOF-125-6T/9-20	950		35.50	20.50	15.00	26	92950	74	70	422	2015

(1) The noise level values are pressures in dB(A) measured at a distance of 6 metres in a free field.
 * Equipment not covered by Directive 2009/125/EC

Accessories

See accessories section.




Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

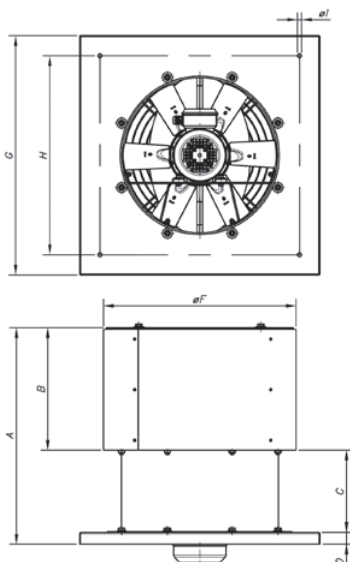
Acoustic characteristics
Sound power spectrum Lw(A) in dB(A) per Hz frequency band.

Values measured at inlet 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
125-4/6-25	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
125-6/6-5.5	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 measured at exhaust with maximum flow rate.

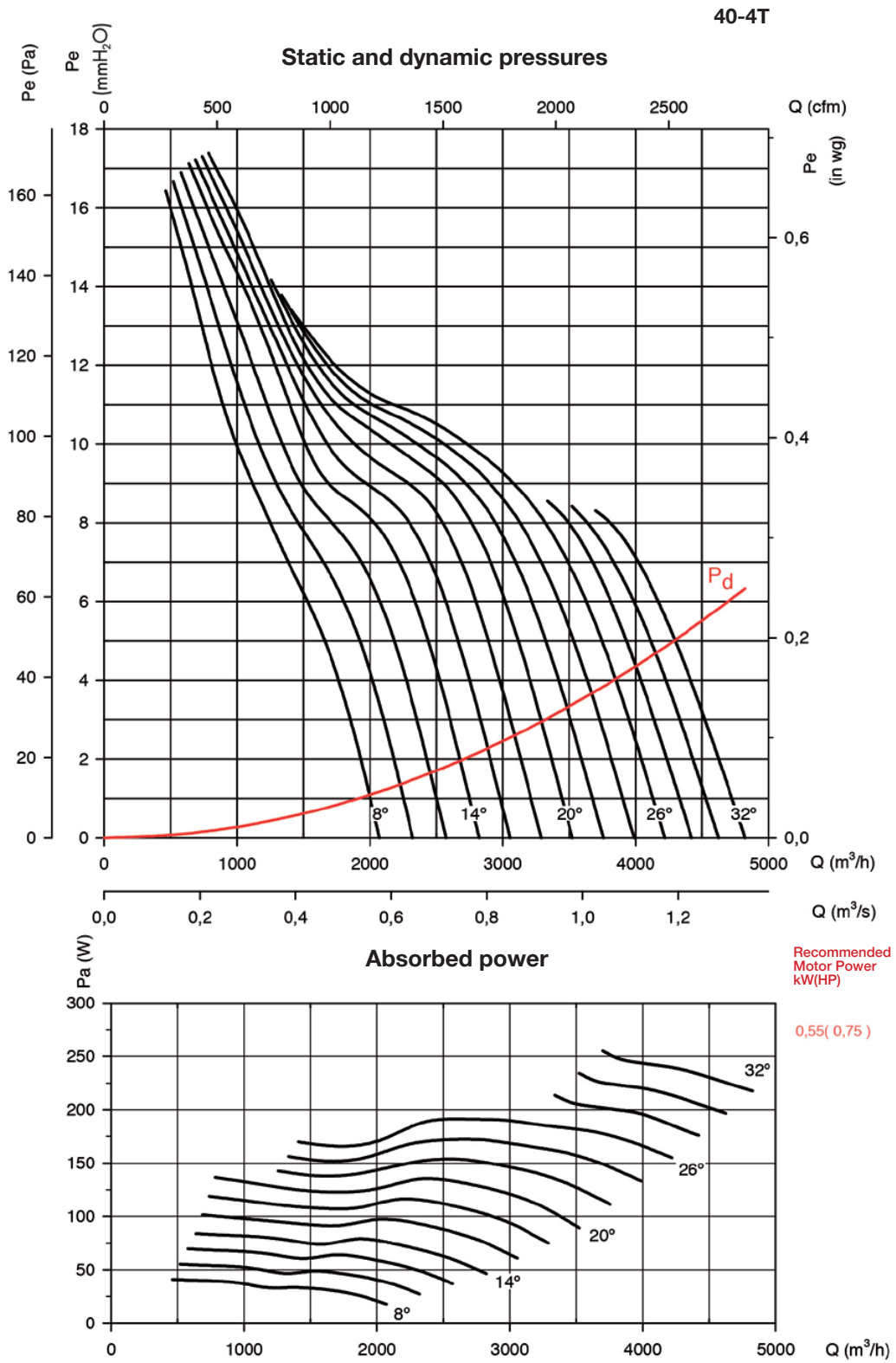
Model	63	125	250	500	1000	2000	4000	8000
40-4-0.75	31	52	59	64	67	63	56	45
40-6-0.75	21	42	49	54	57	53	46	35
45-4-0.75	35	56	63	68	71	67	60	49
45-6-0.75	23	44	51	56	59	55	48	37
50-4-1	39	59	67	72	74	71	64	53
50-6-0.75	28	48	56	61	63	60	53	42
56-4-1	43	63	71	76	78	75	68	57
56-4-1.5	44	64	72	77	79	76	69	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
125-4/6-25	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
125-6/6-5.5	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

Dimensions mm


Model	A	B	C	D	ØF	G	H	ØI
THT/ROOF-40	628	349	244	35	519	630	530	12
THT/ROOF-45	642	363	244	35	569	710	590	12
THT/ROOF-50	679	400	244	35	626	900	750	12
THT/ROOF-56	710	426	244	40	686	900	750	14
THT/ROOF-63	747	463	244	40	753	1000	850	14
THT/ROOF-71	830	498	292	40	833	1000	850	14
THT/ROOF-80	887	545	292	50	923	1150	1000	14
THT/ROOF-90	989	601	338	50	1031	1150	1000	14
THT/ROOF-100	1136	648	438	50	1128	1250	1100	14
THT/ROOF-125	1313	775	488	50	1376	1425	1275	17

Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

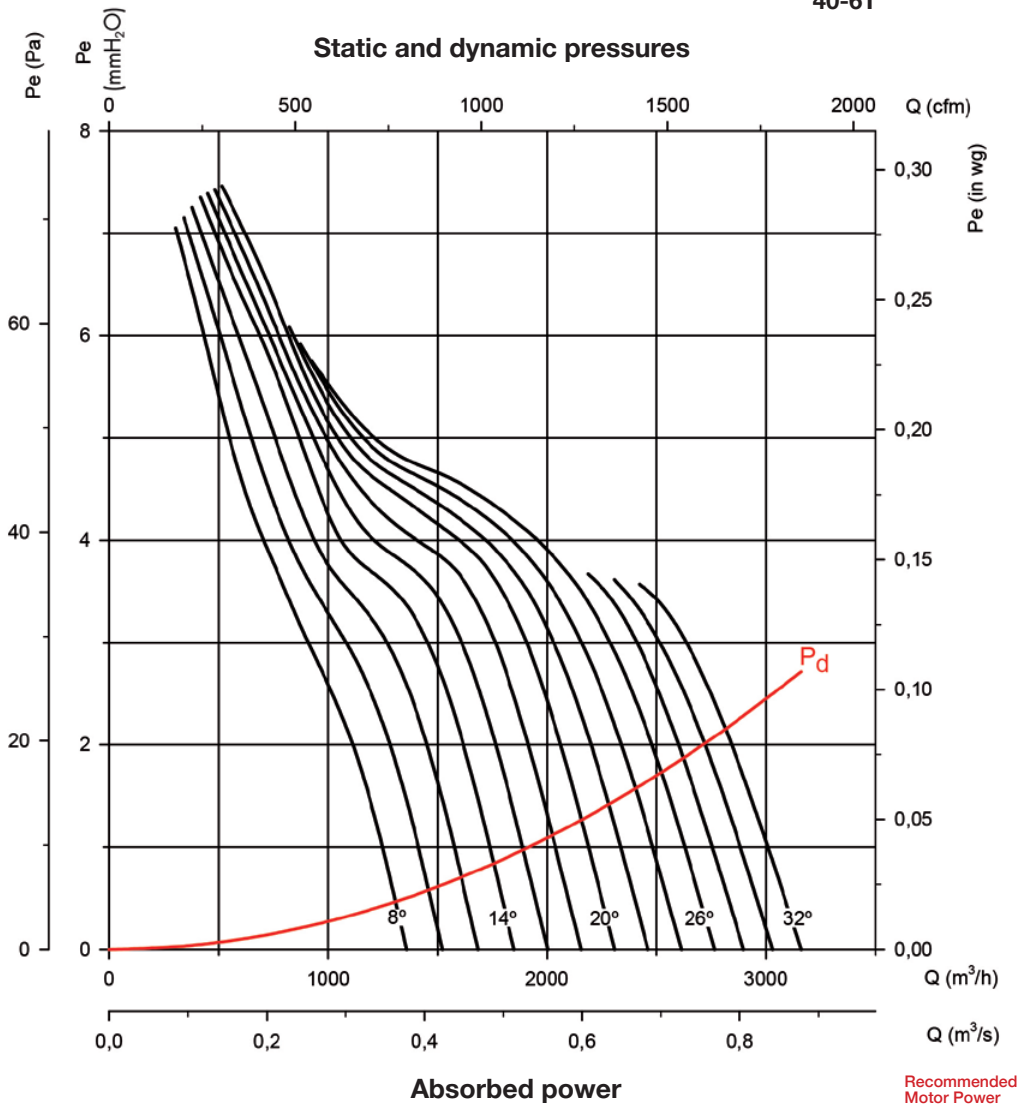
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

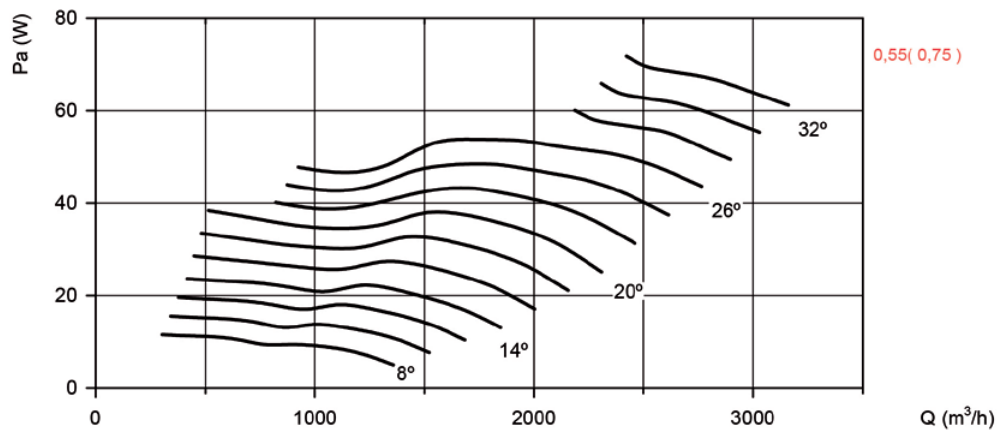
Q= Flow rate in m³/h, m³/s and cfm.

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

40-6T



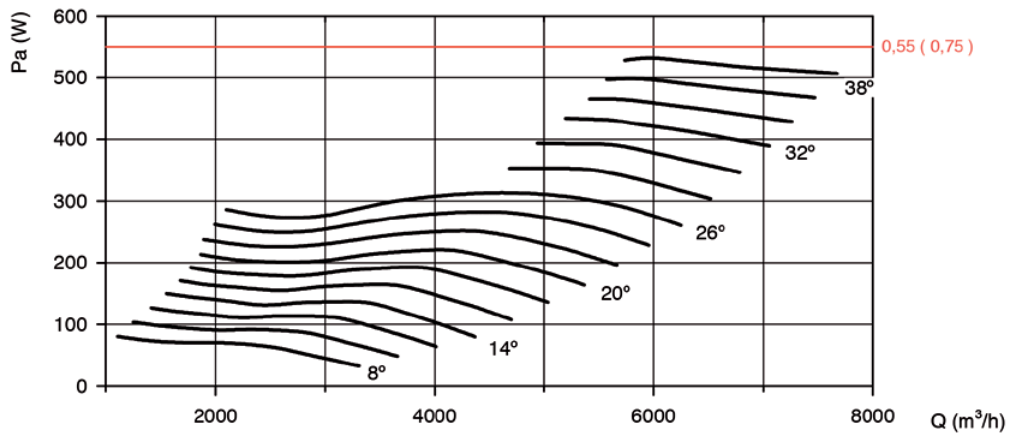
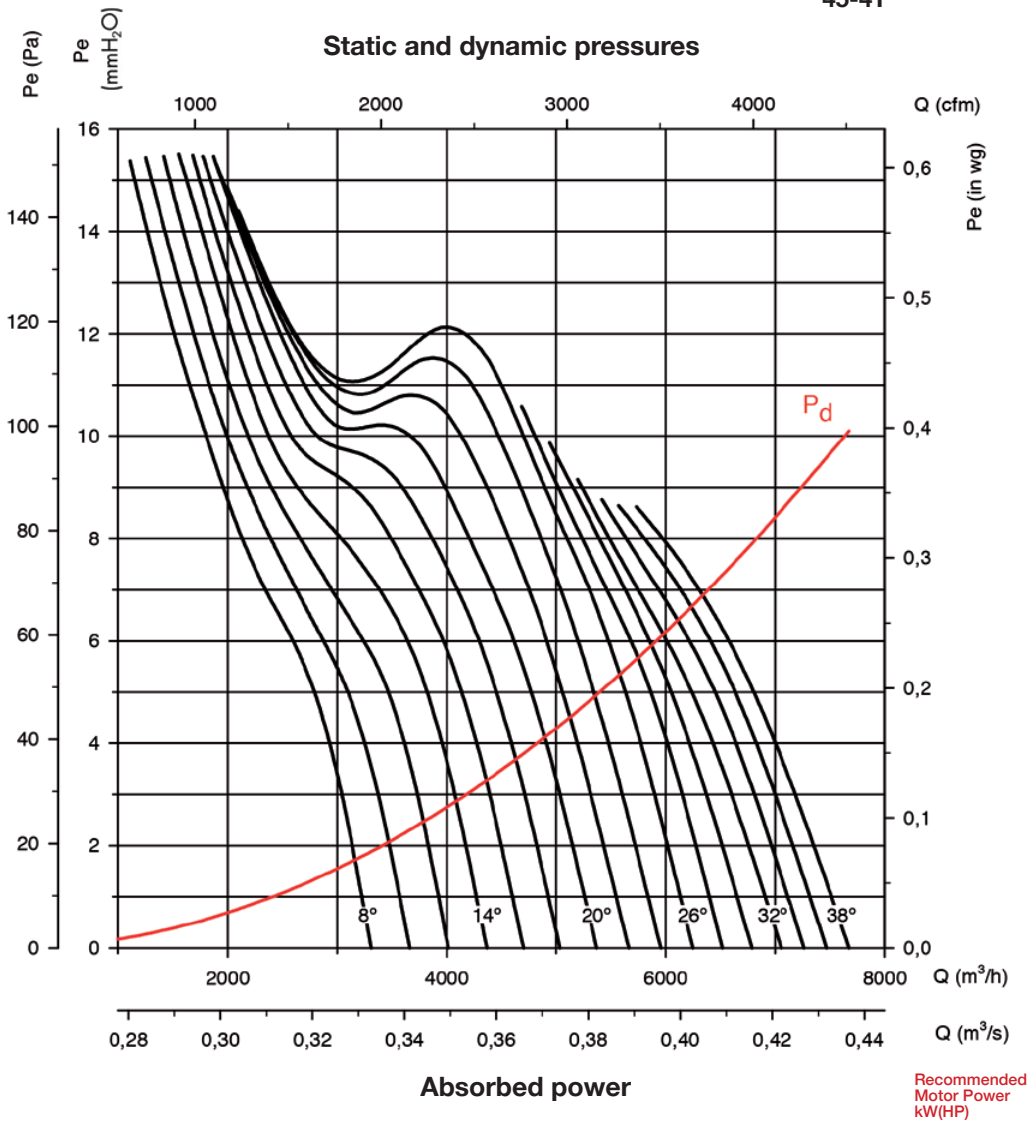
Recommended
Motor Power
kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

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

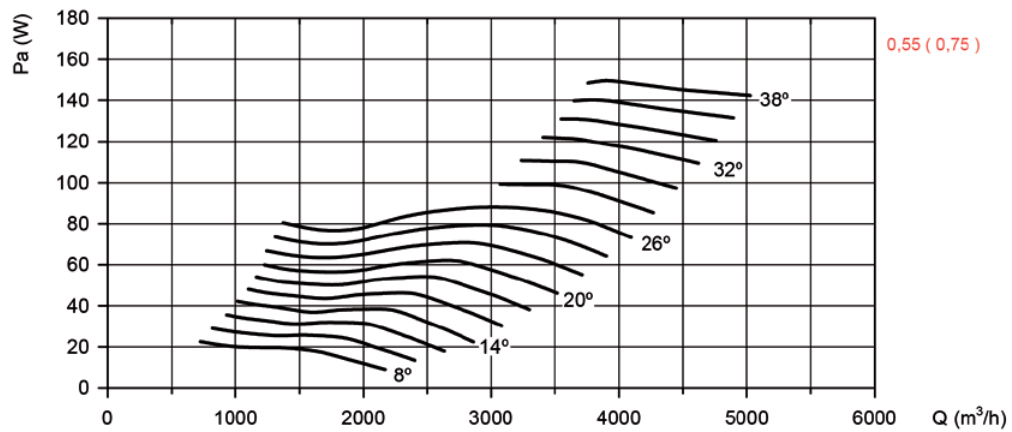
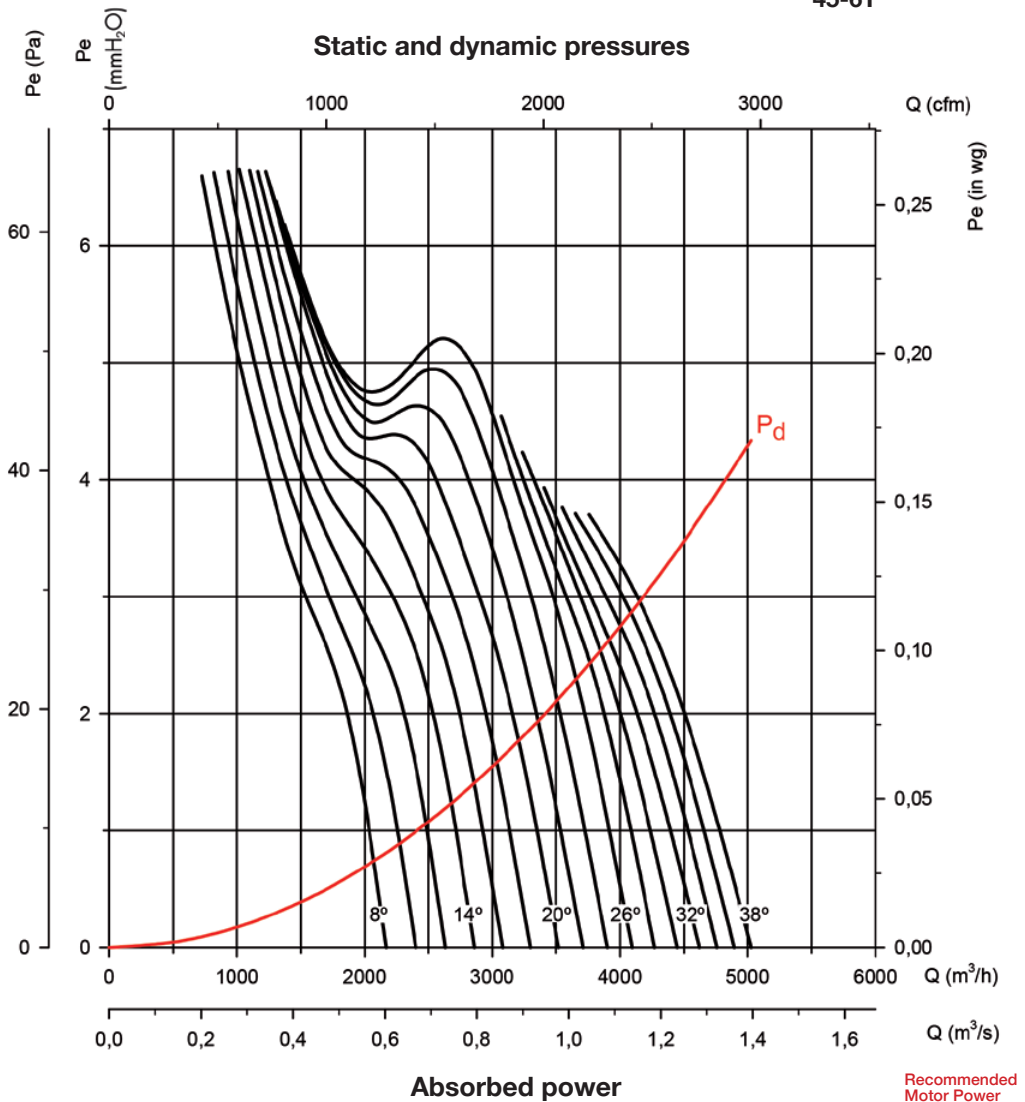
45-4T


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

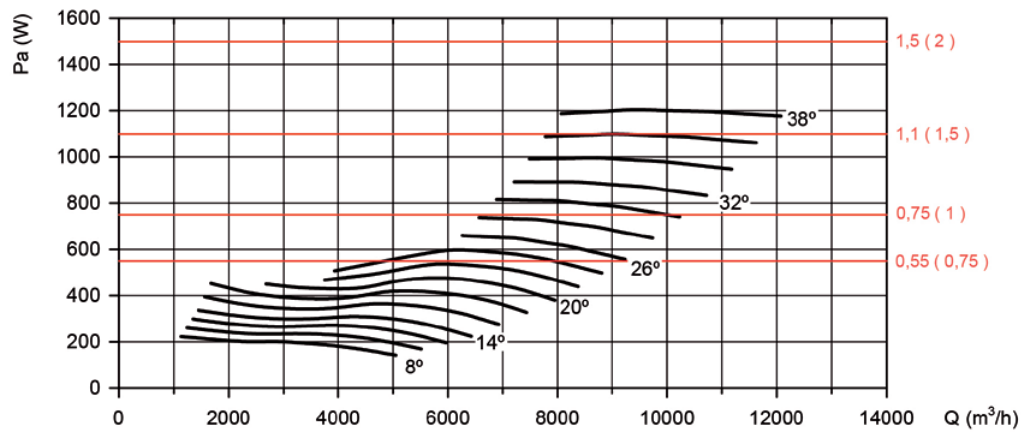
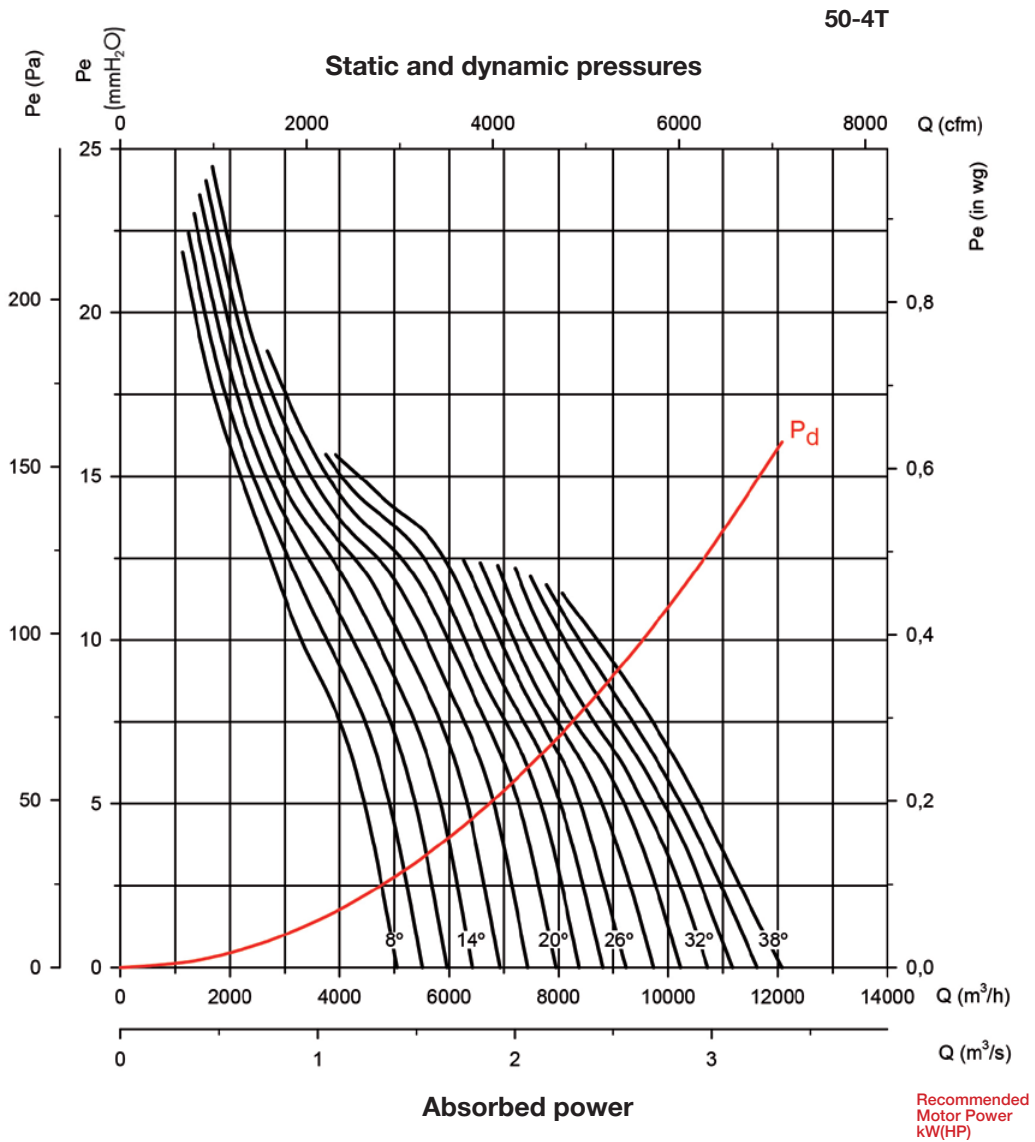
Pe= Static pressure in mm H₂O, Pa and inwg.

45-6T



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

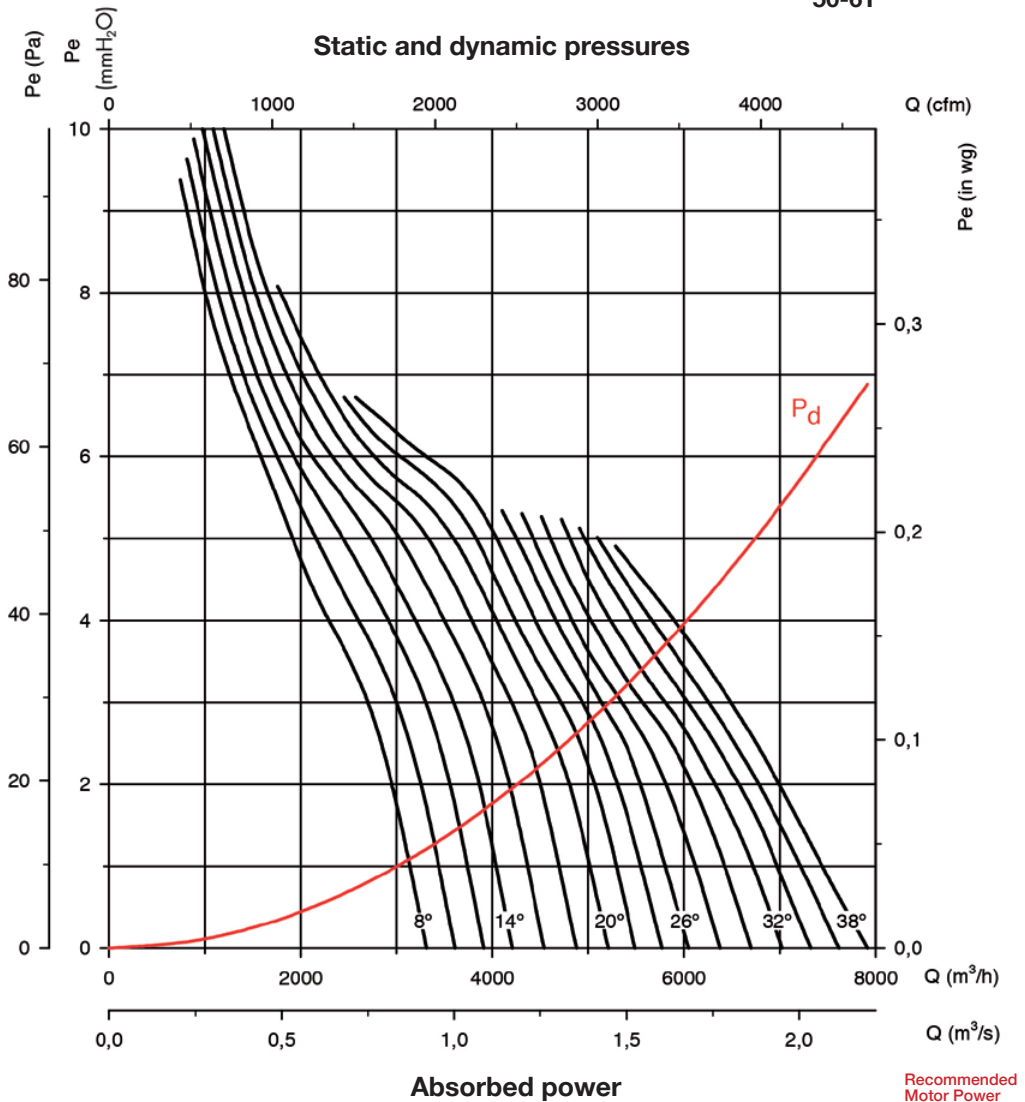
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

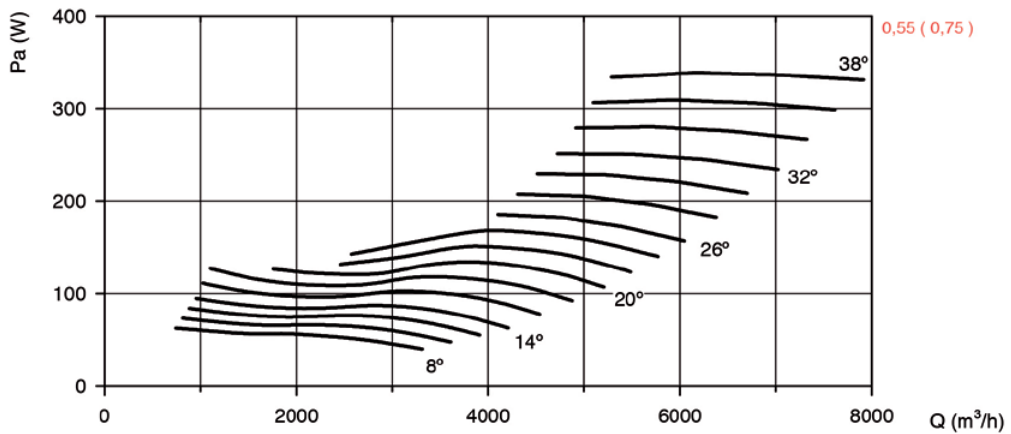
Pe= Static pressure in mm H₂O, Pa and inwg.

50-6T



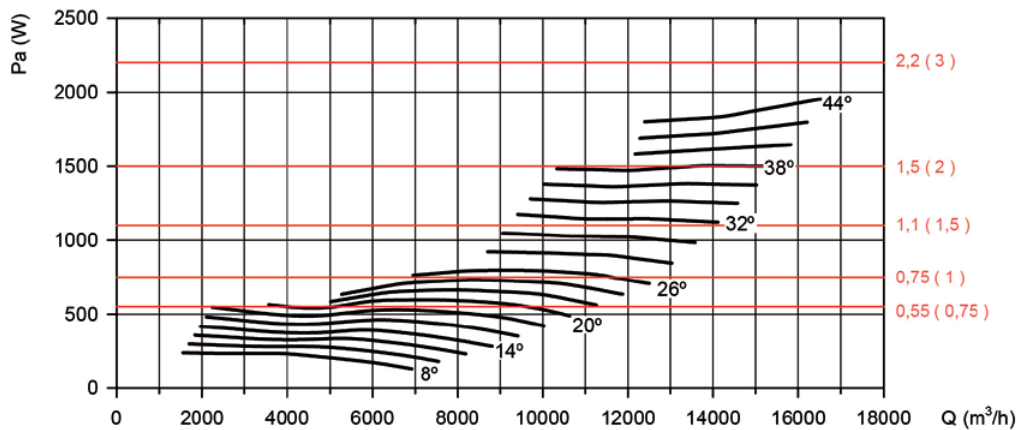
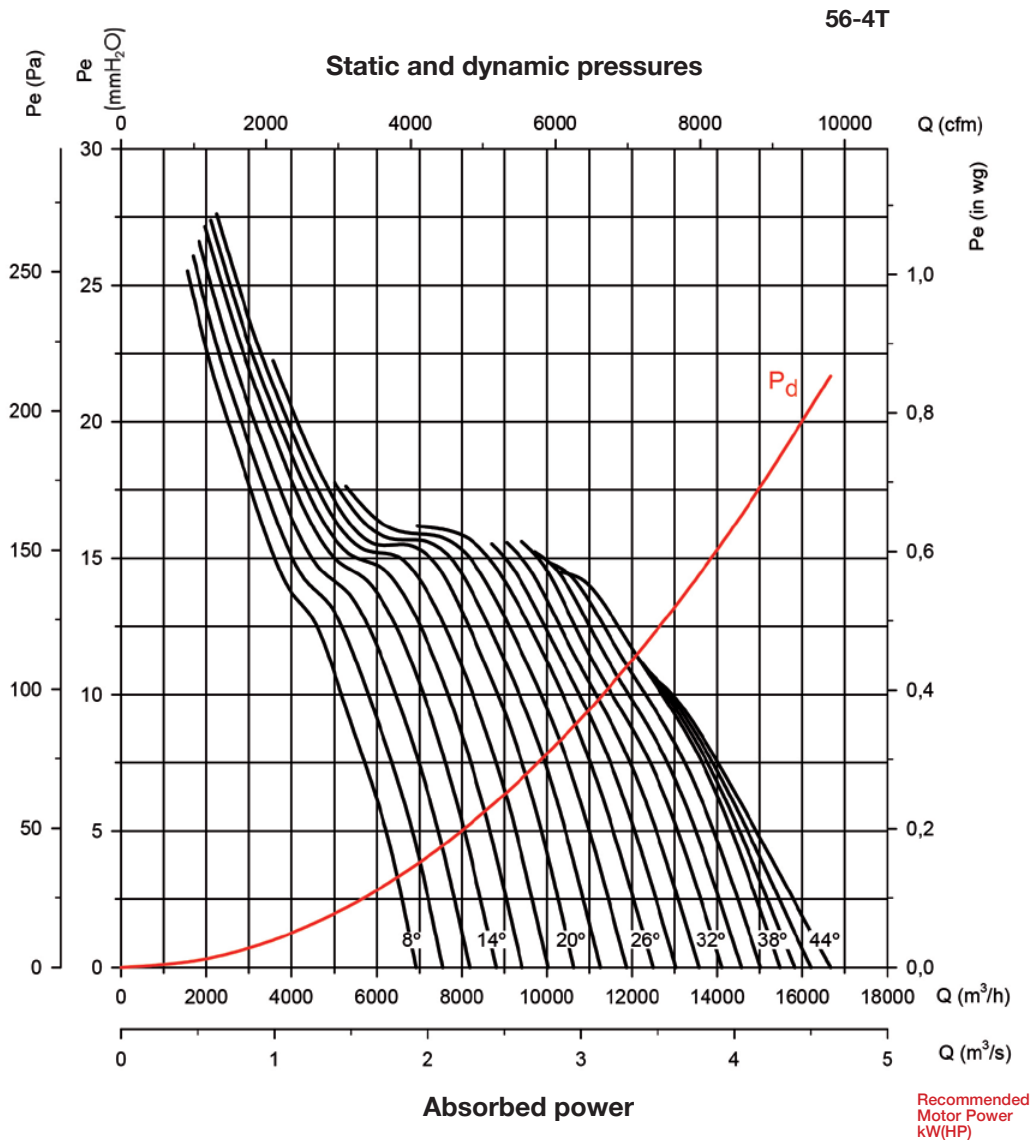
Absorbed power

Recommended
Motor Power
kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

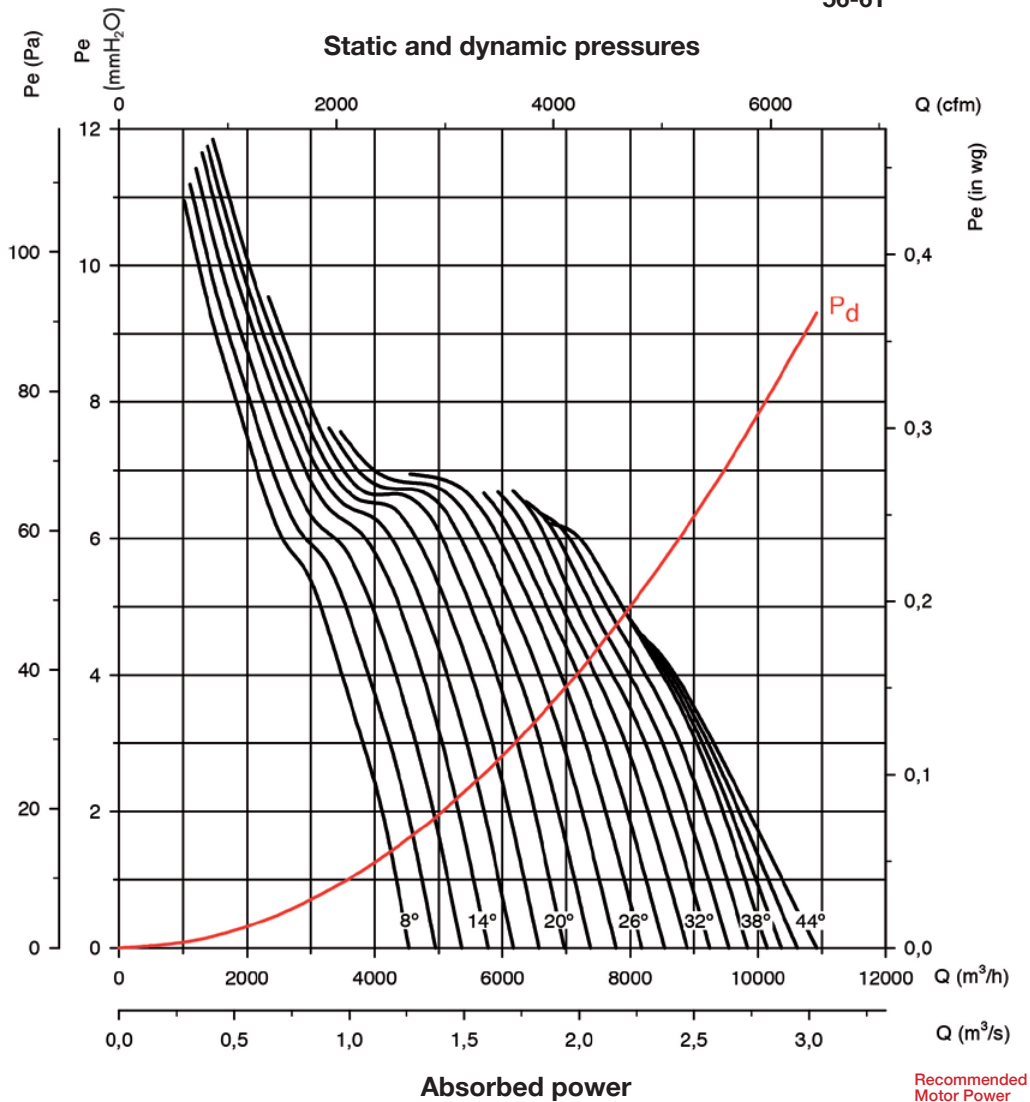
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

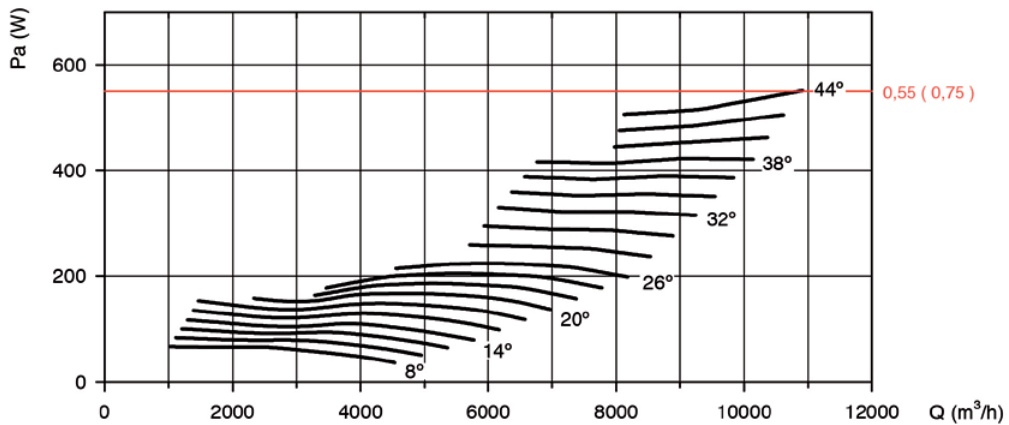
Q= Flow rate in m³/h, m³/s and cfm.

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

56-6T

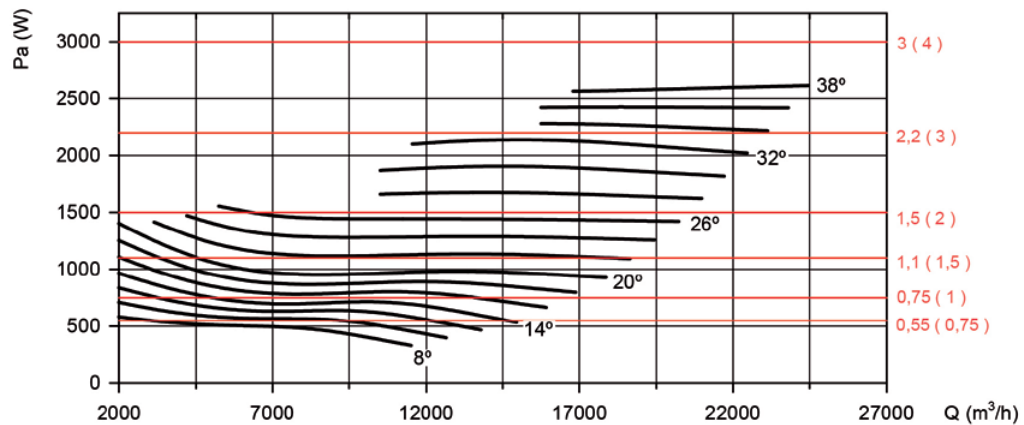
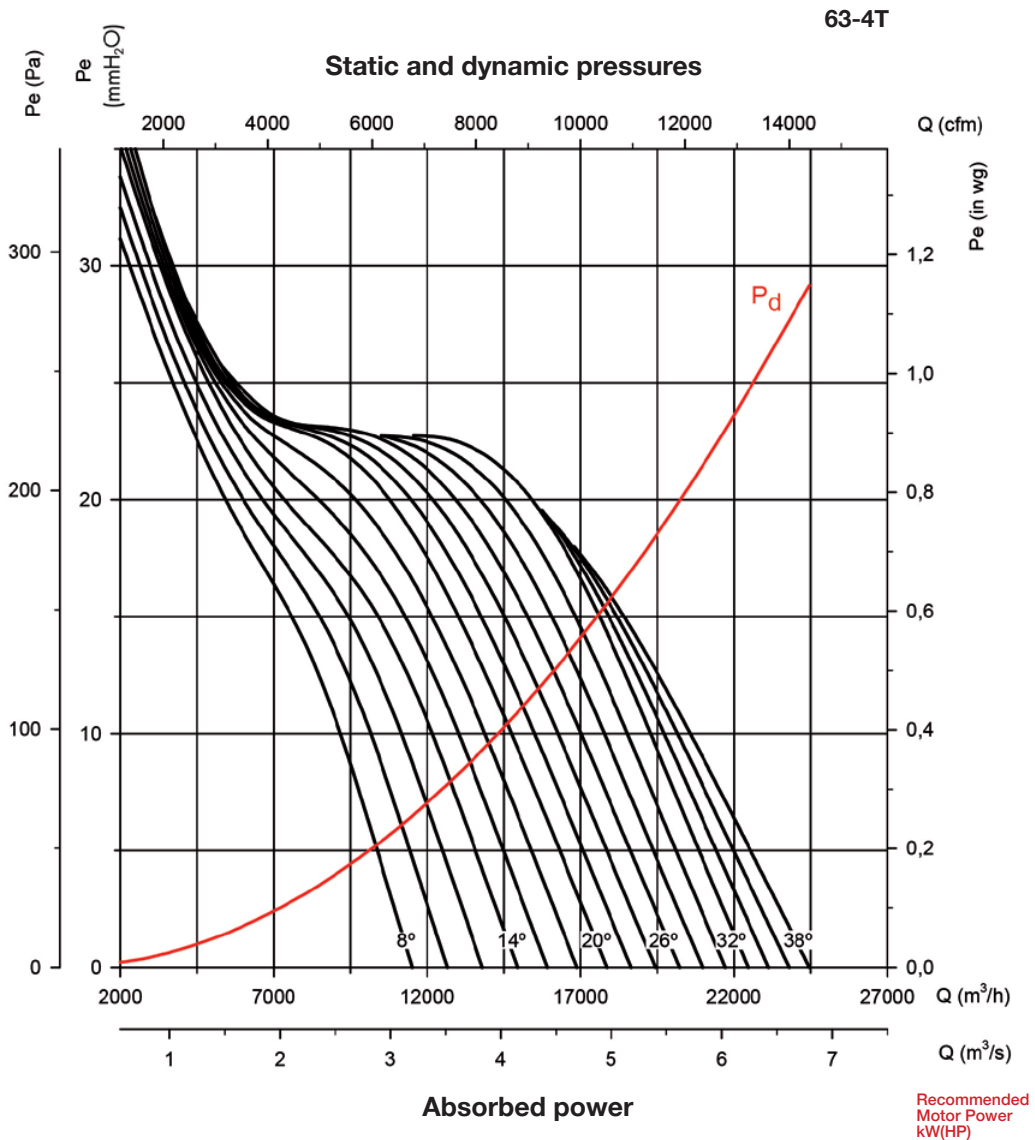


Recommended
Motor Power
kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

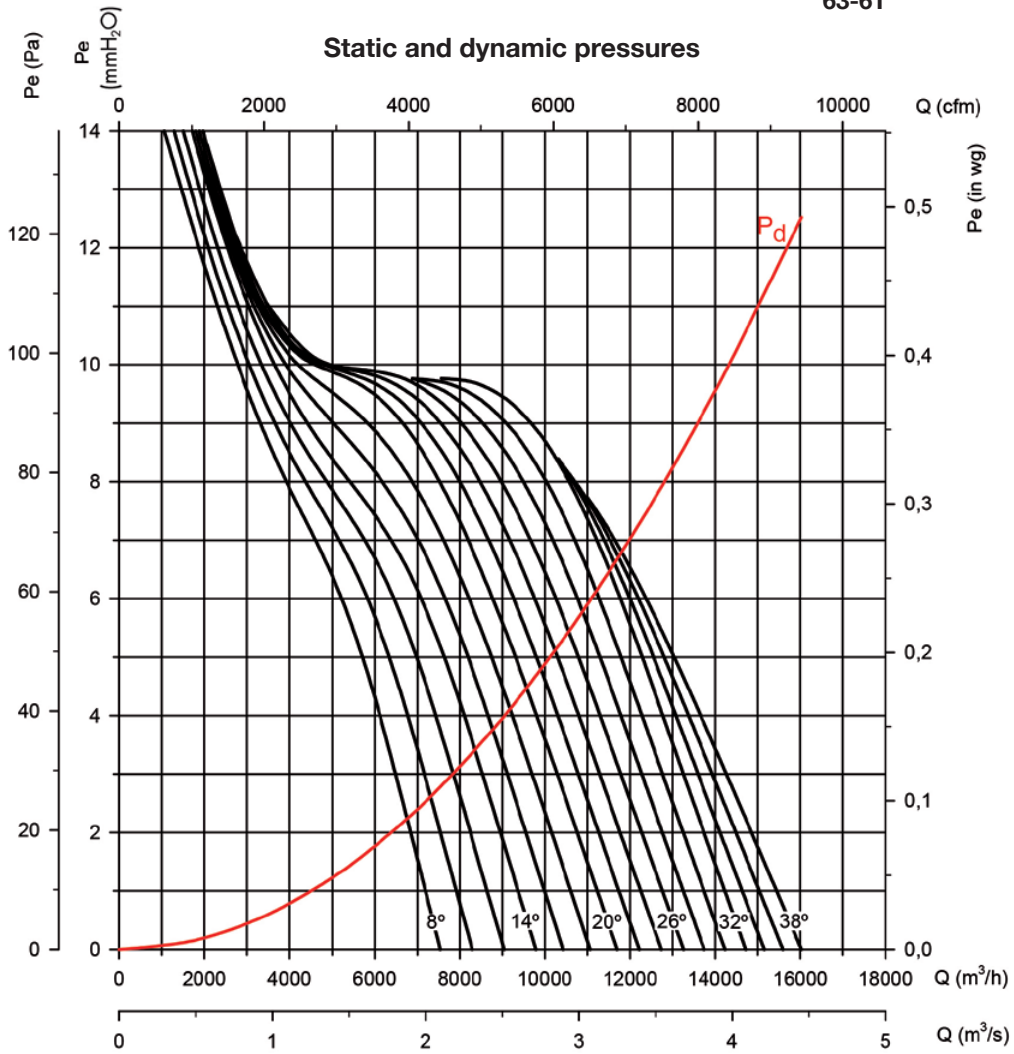
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

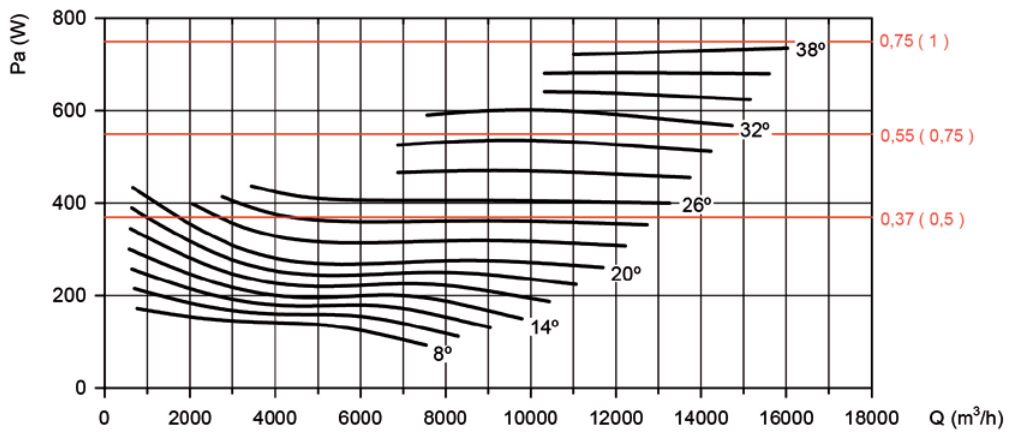
Pe= Static pressure in mm H₂O, Pa and inwg.

63-6T



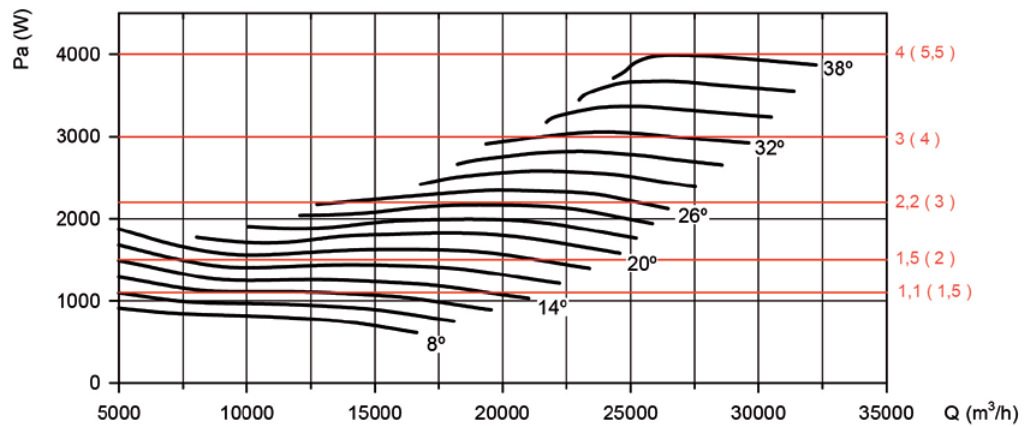
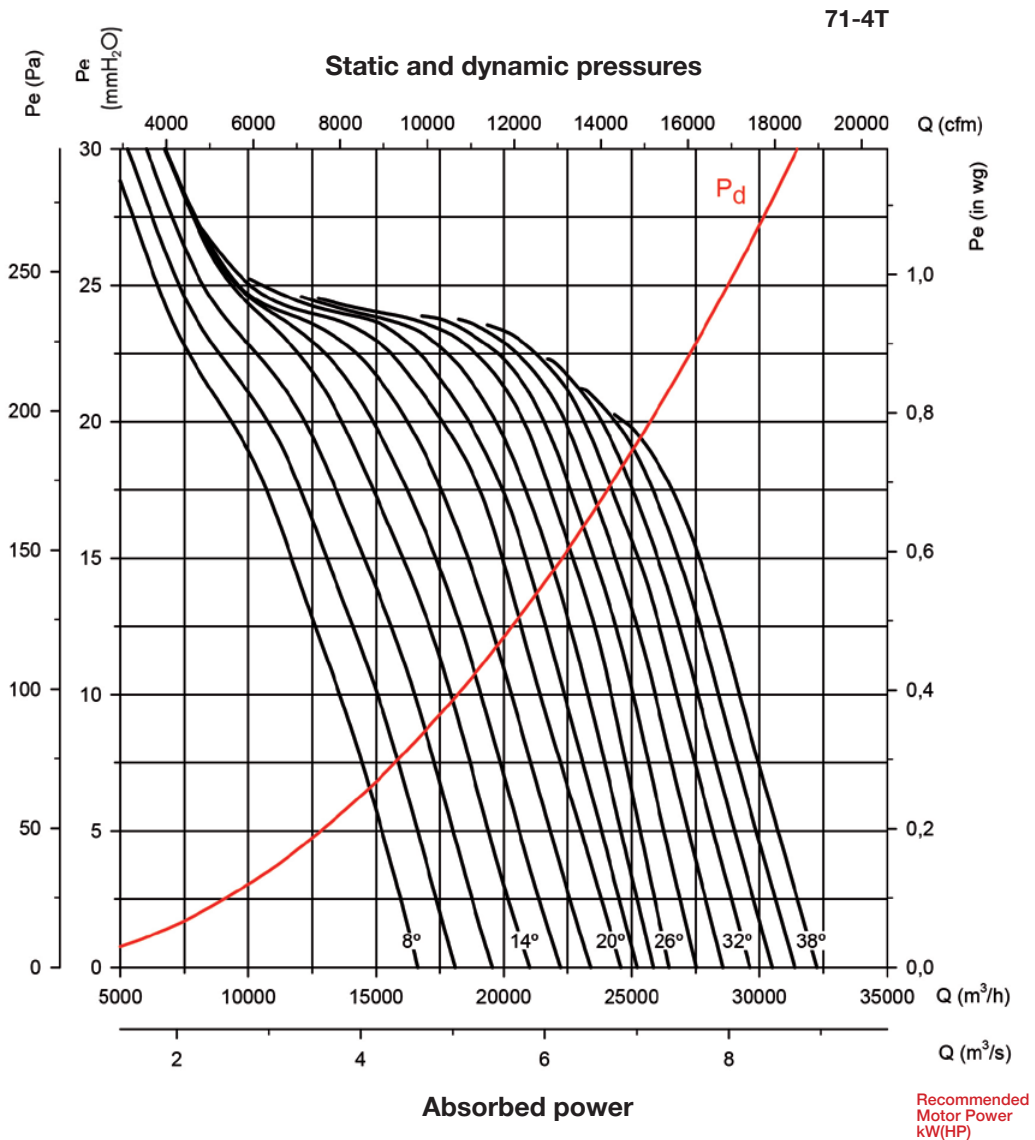
Absorbed power

Recommended
Motor Power
kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

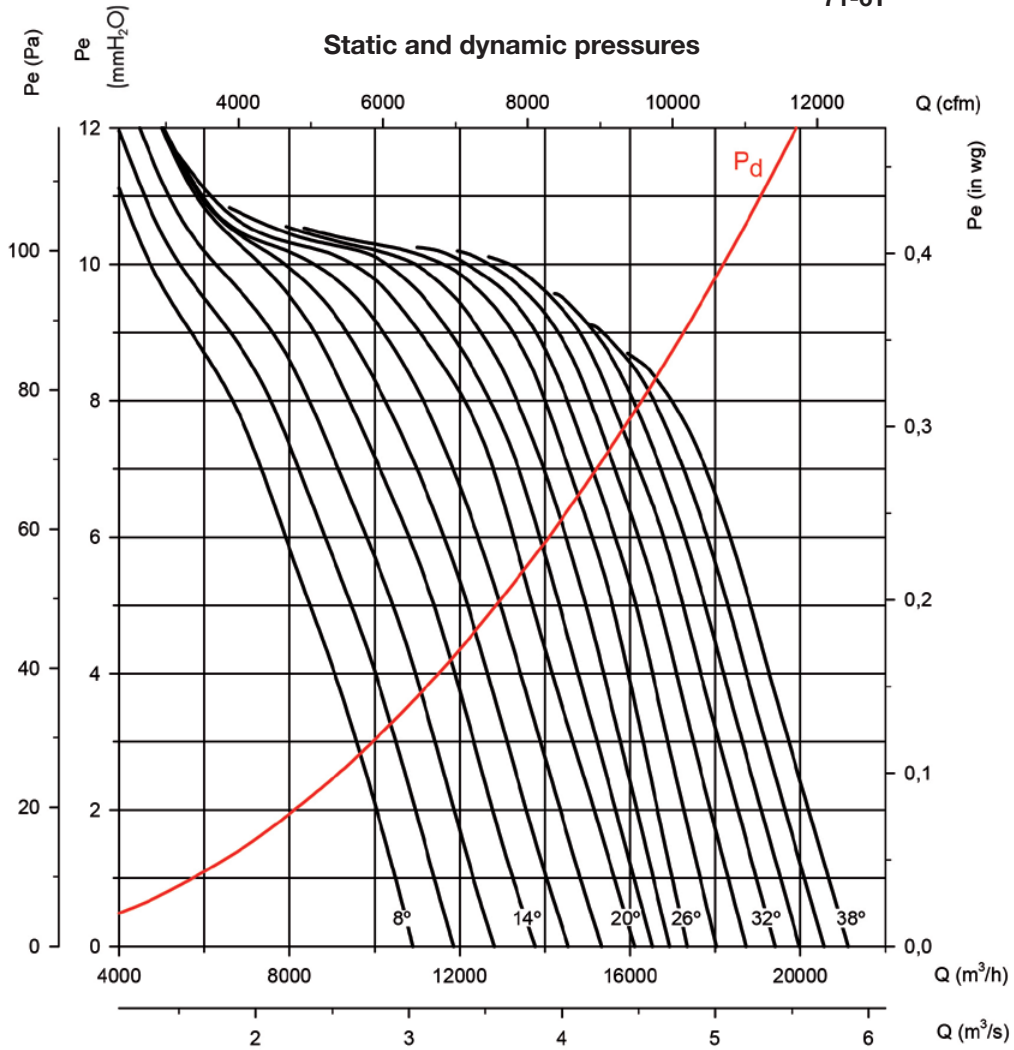
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

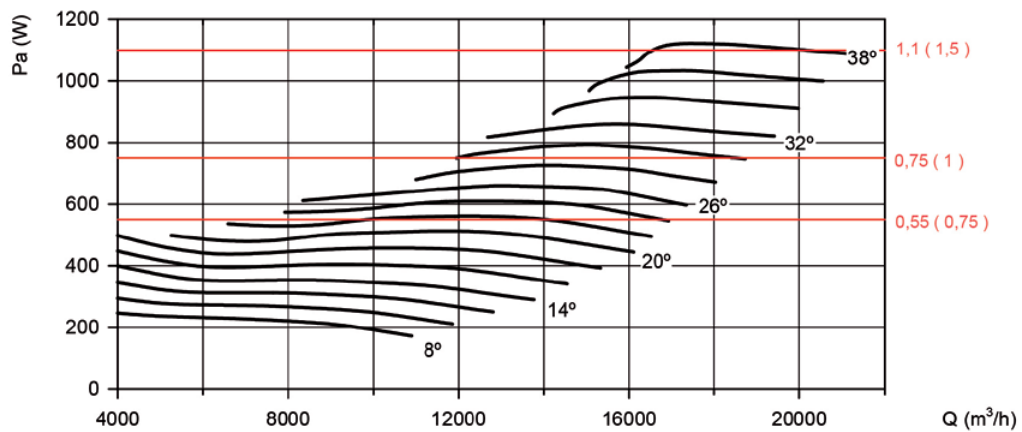
Pe= Static pressure in mm H₂O, Pa and inwg.

71-6T



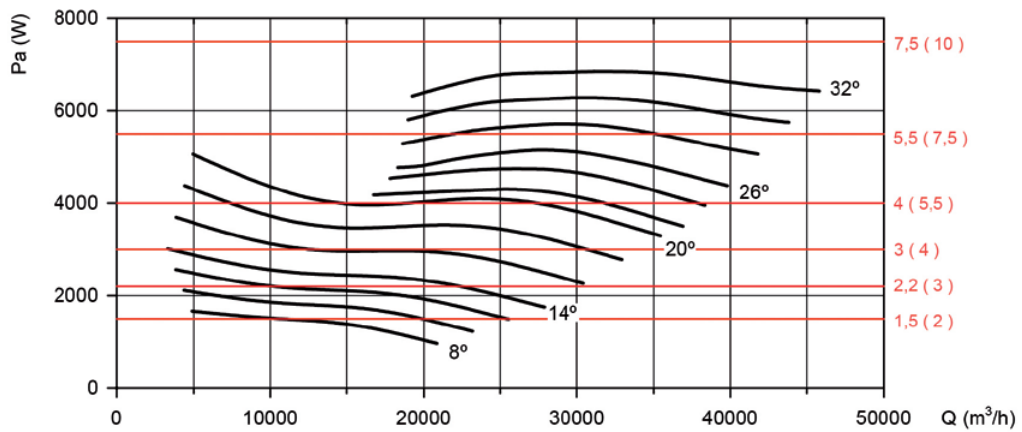
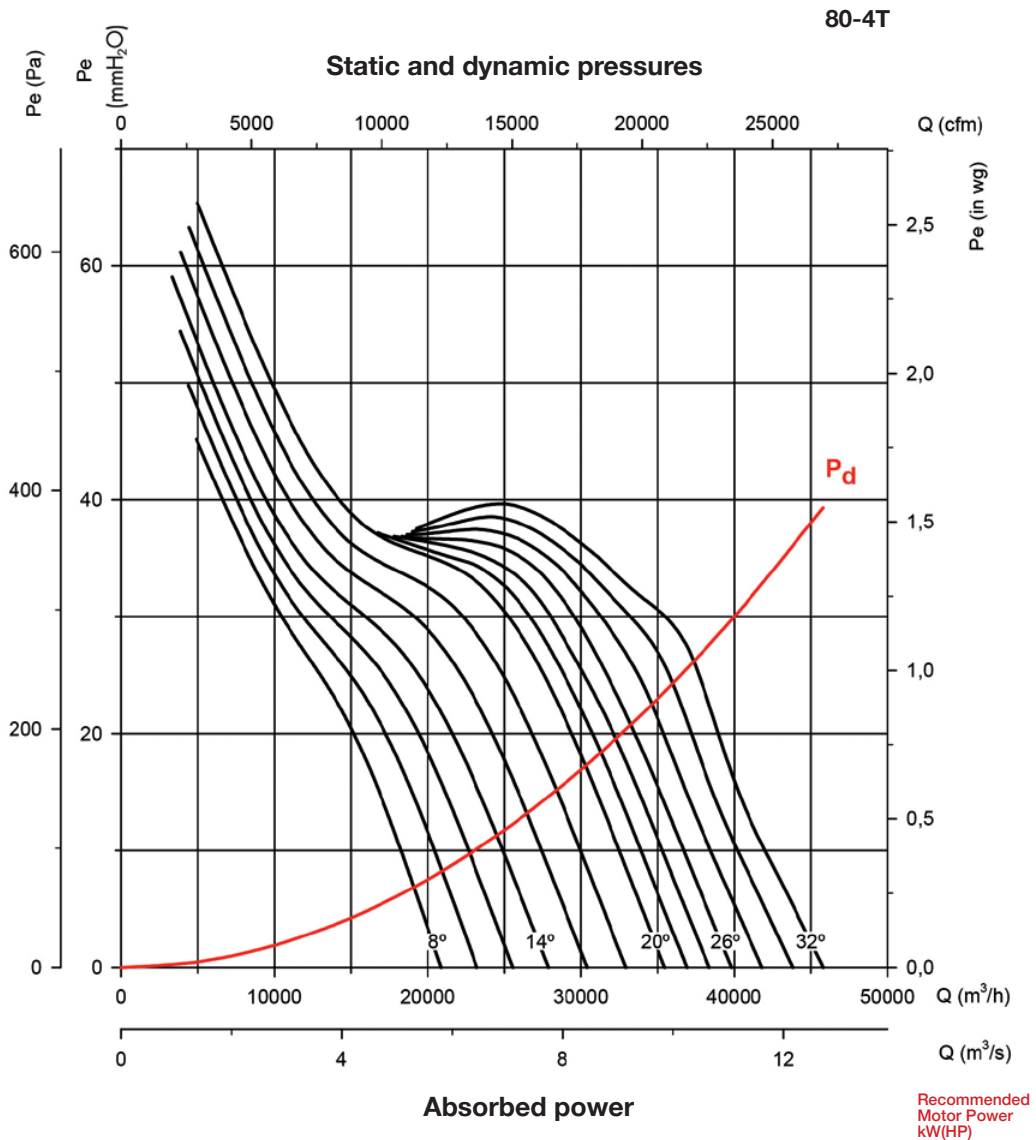
Absorbed power

Recommended Motor Power kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

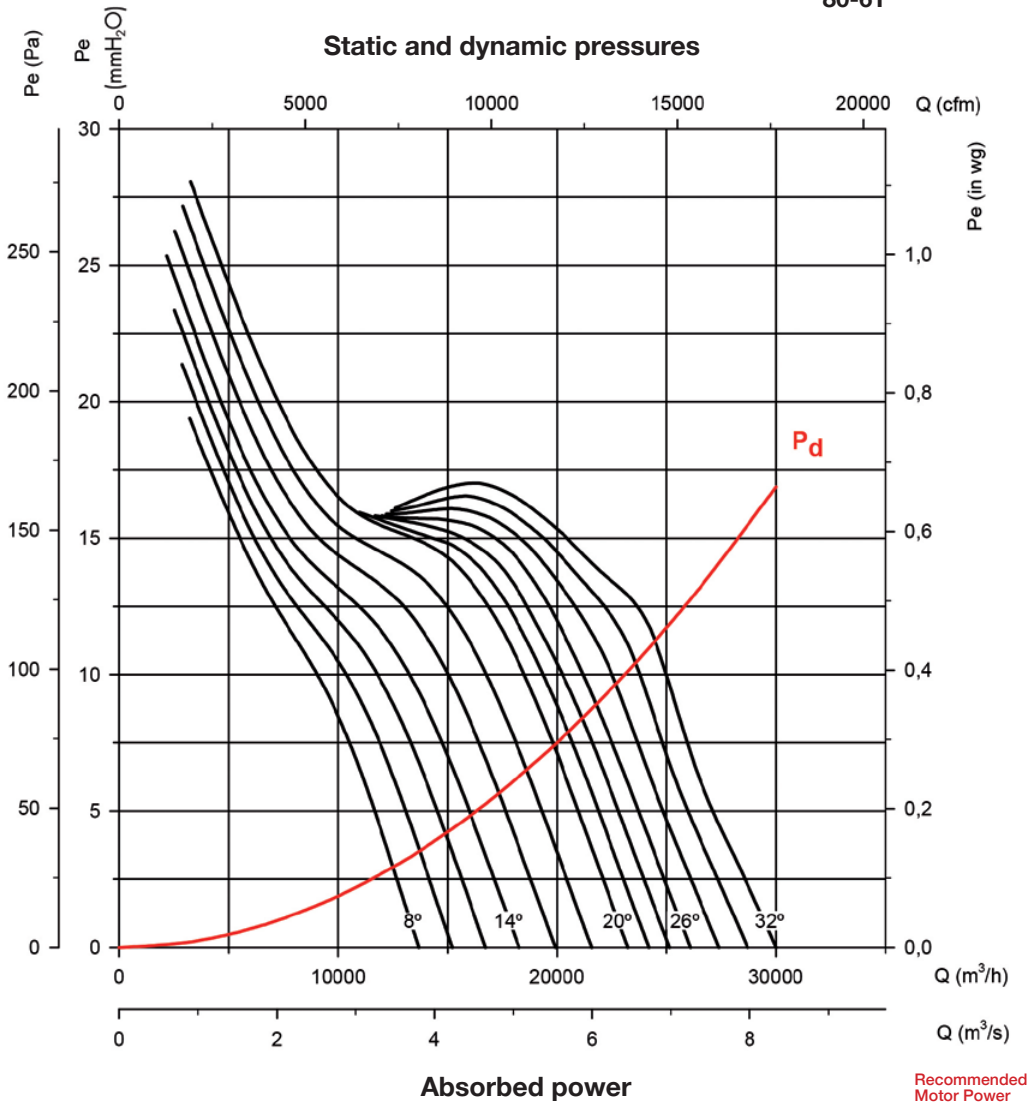
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

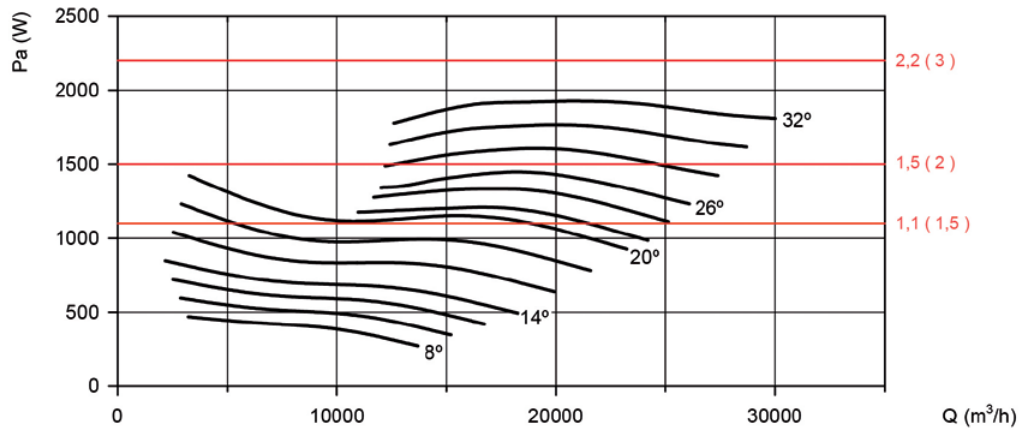
Pe= Static pressure in mm H₂O, Pa and inwg.

80-6T



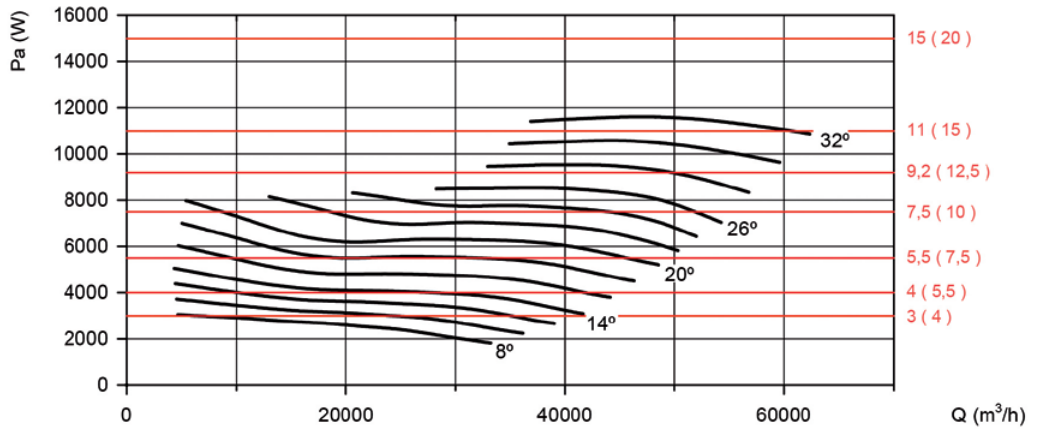
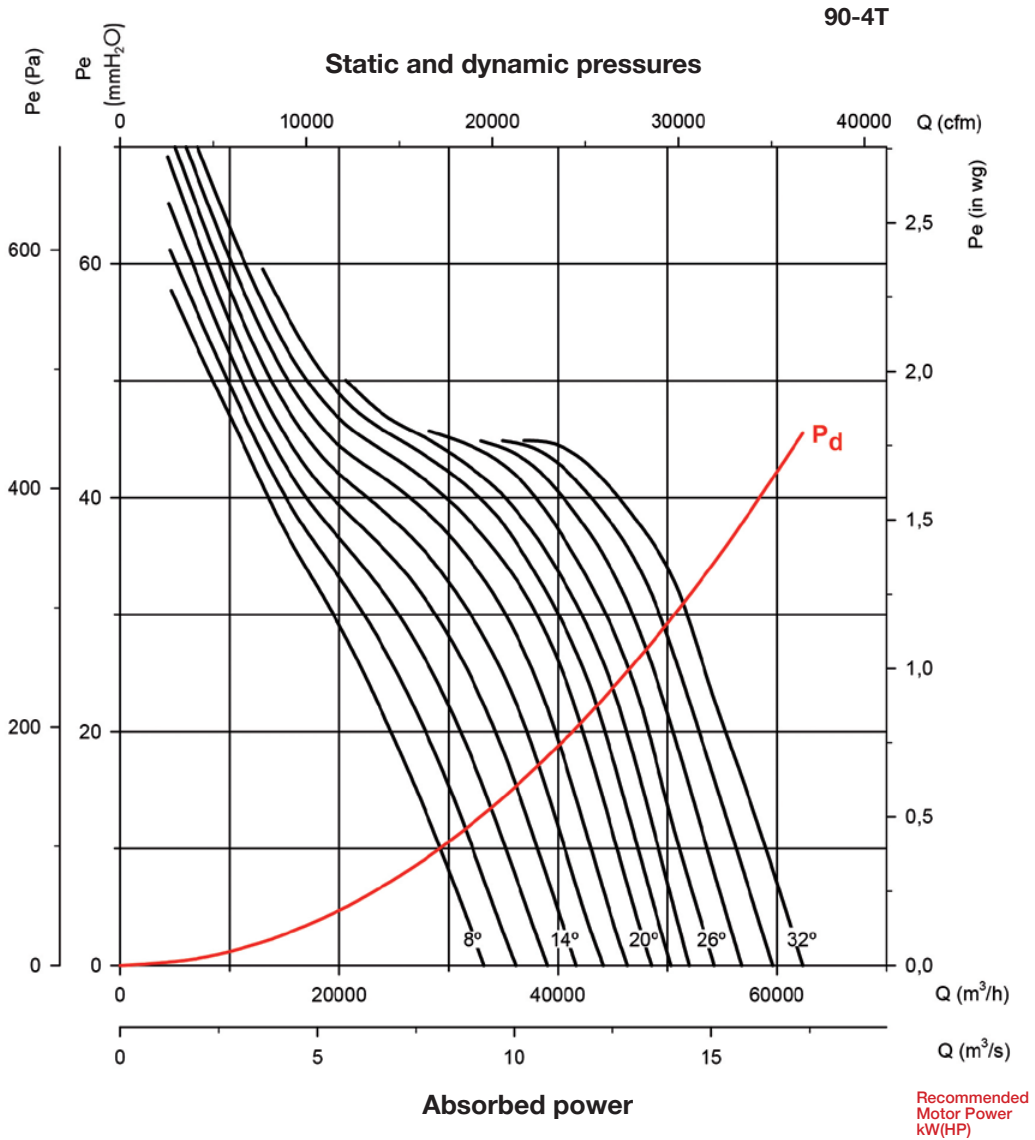
Absorbed power

Recommended
Motor Power
kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

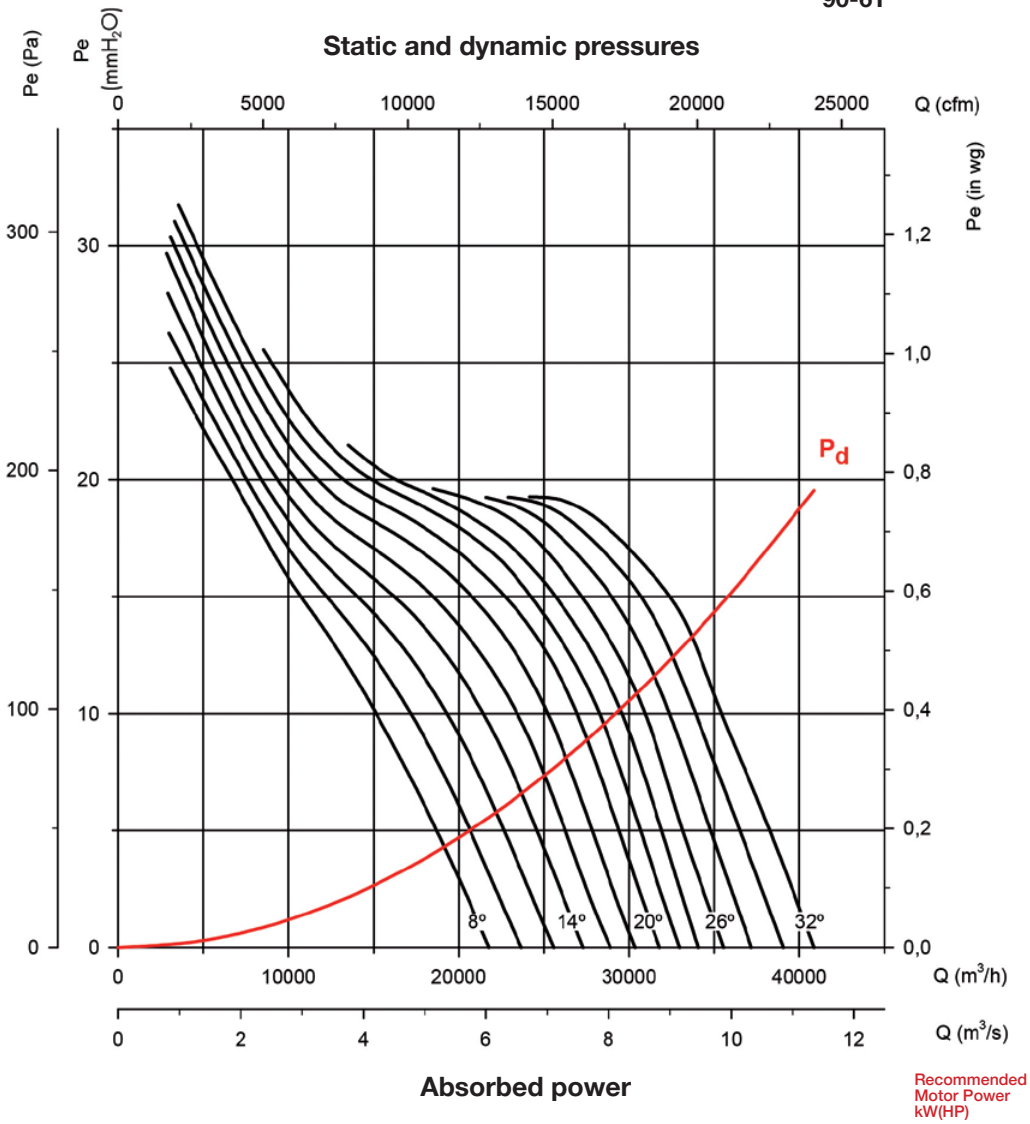
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

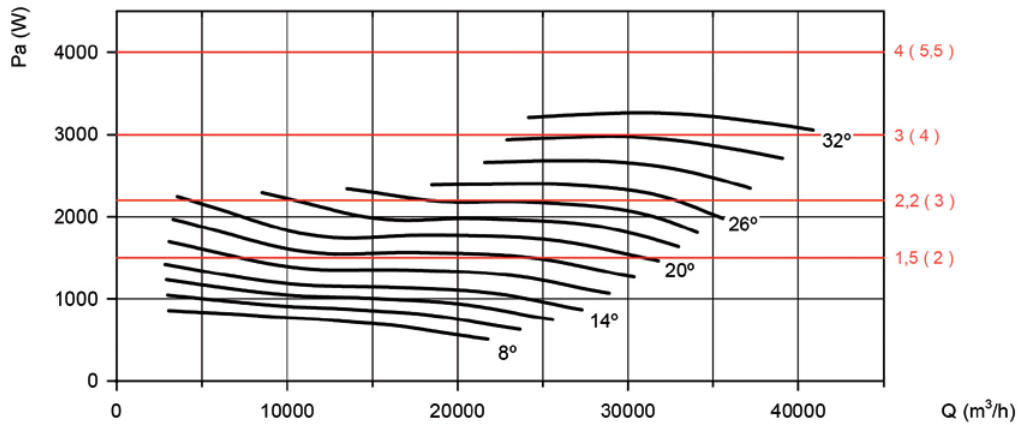
Pe= Static pressure in mm H₂O, Pa and inwg.

90-6T



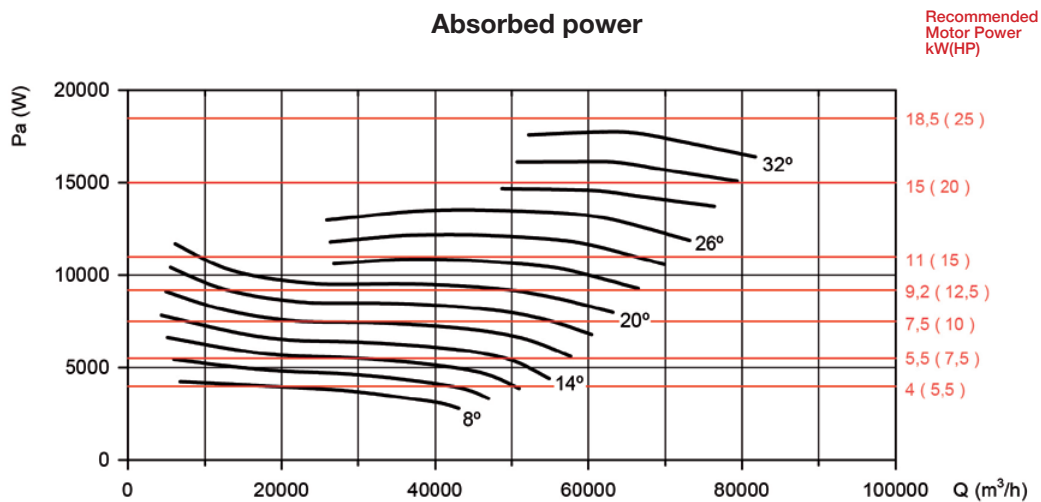
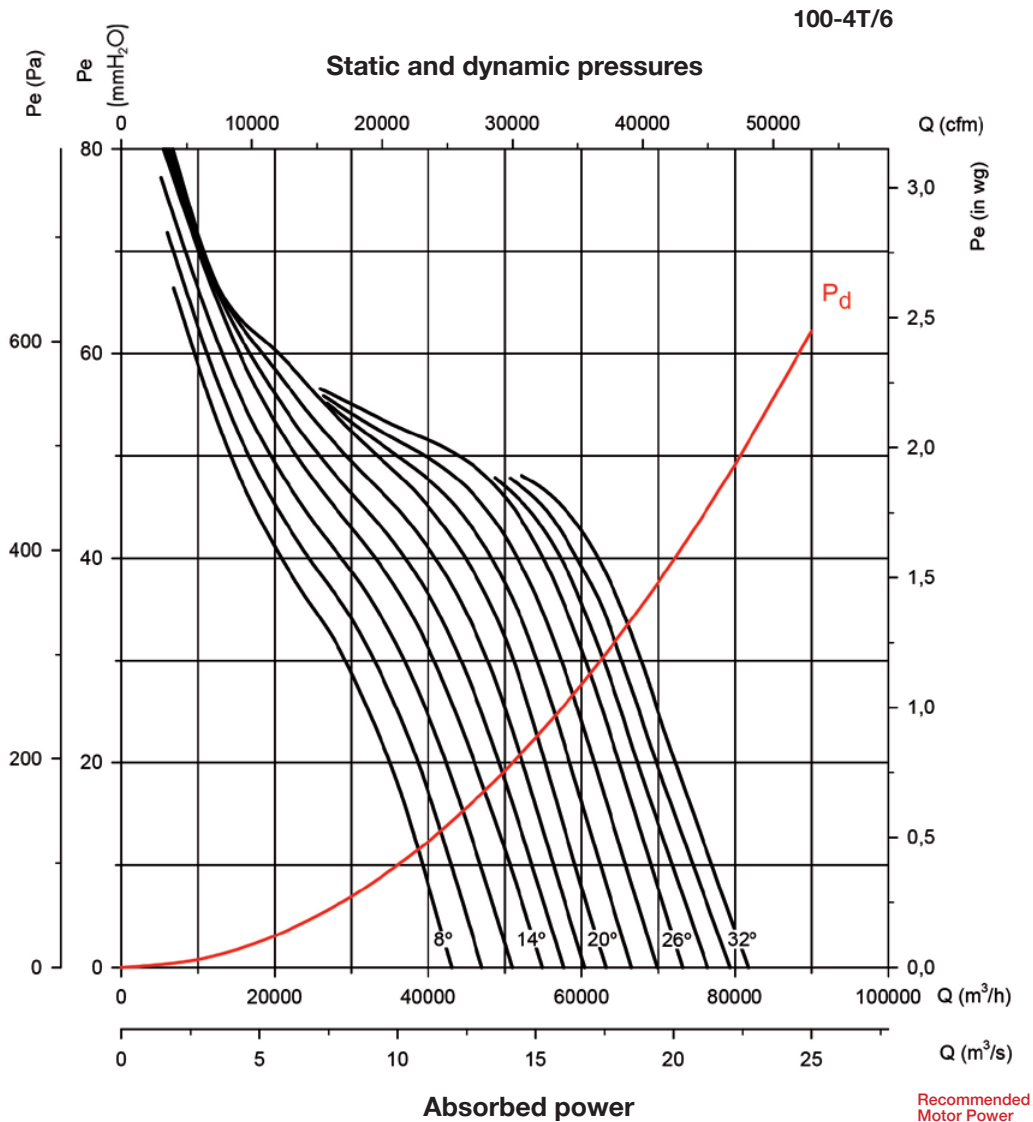
Absorbed power

Recommended Motor Power kW(HP)



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

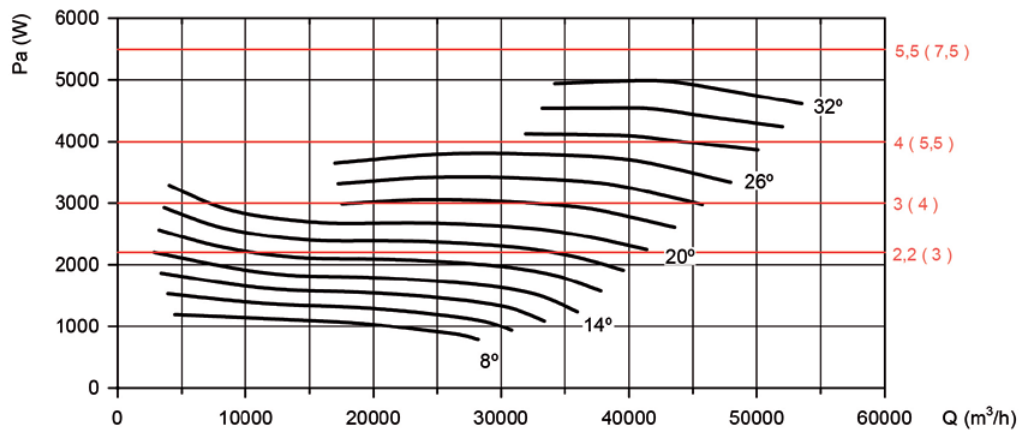
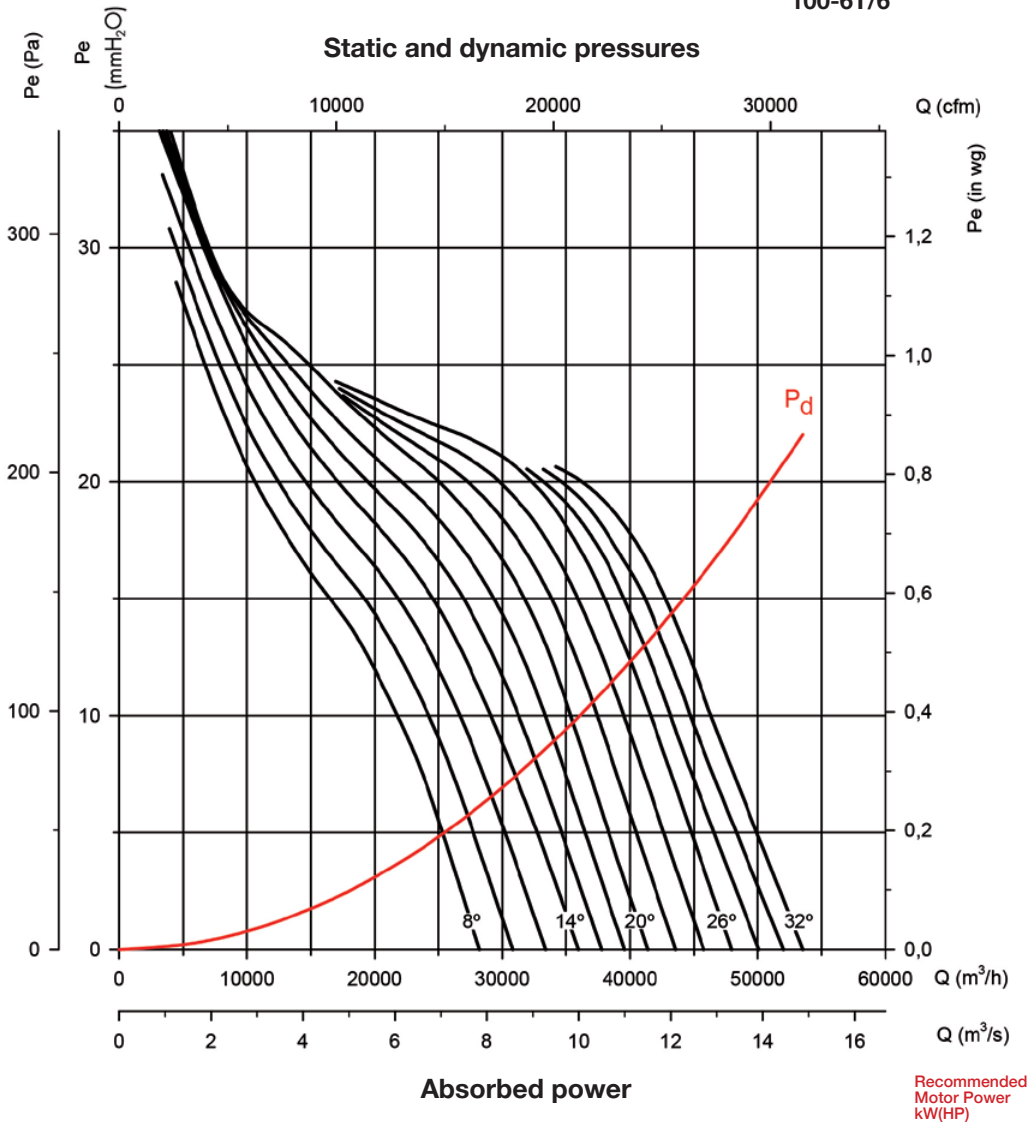
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

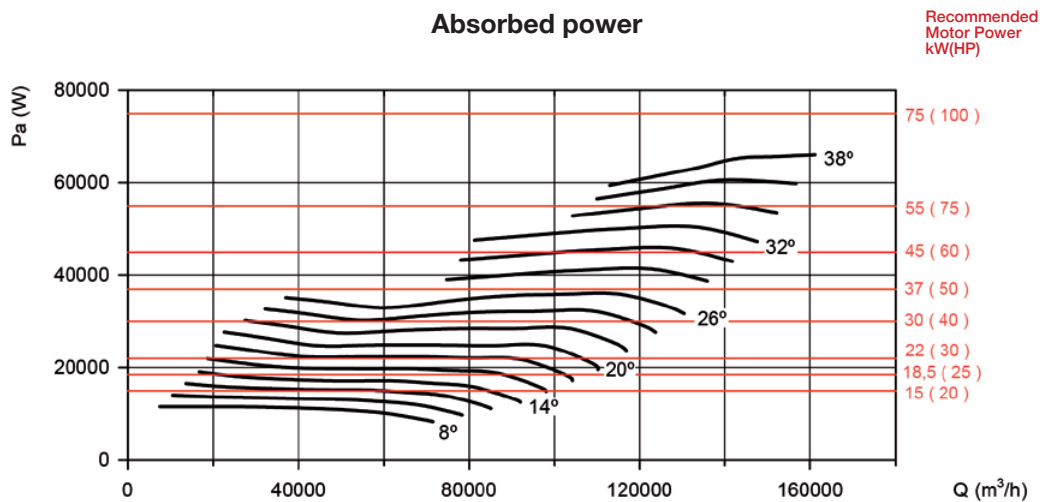
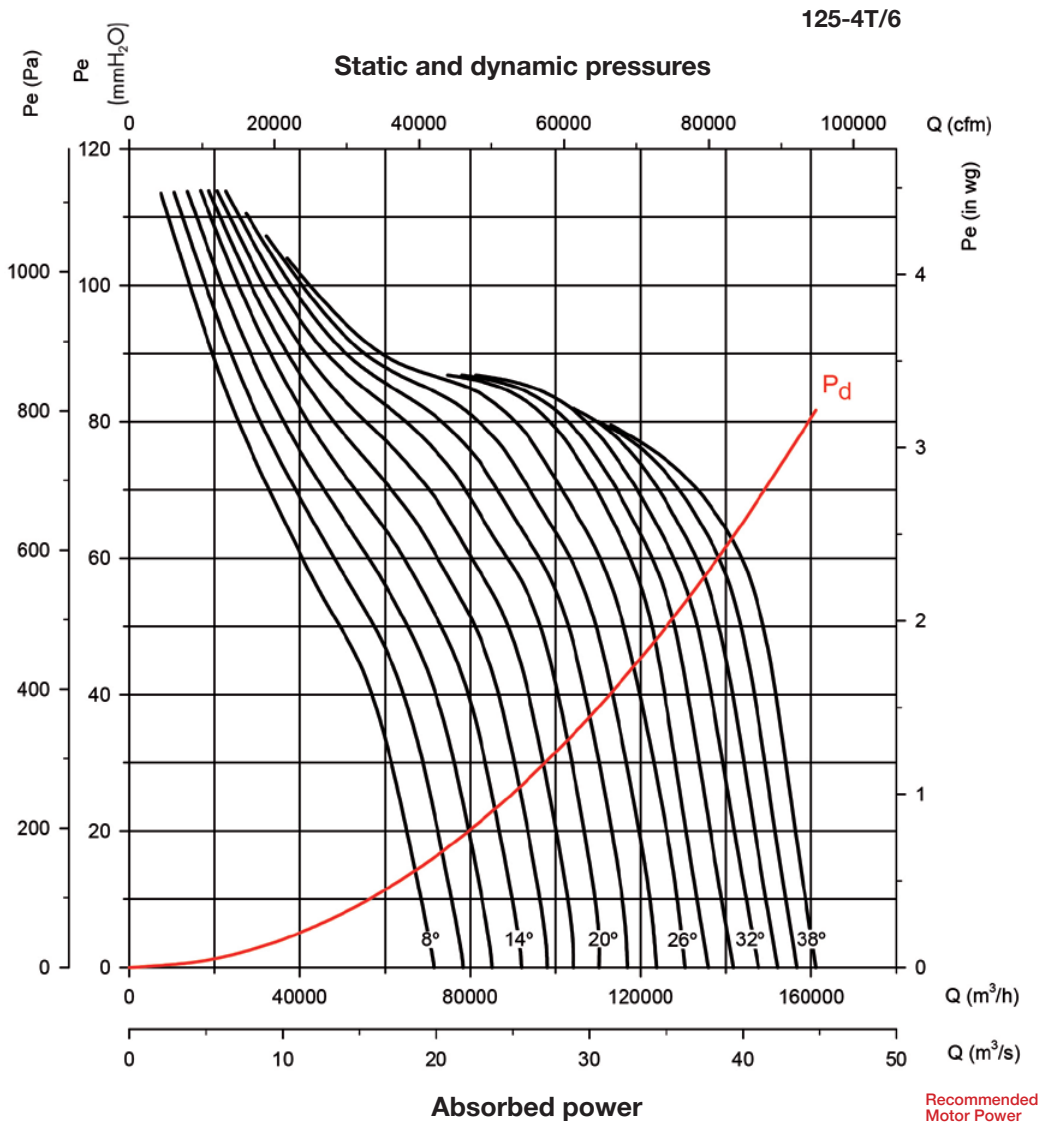
Pe= Static pressure in mm H₂O, Pa and inwg.

100-6T/6



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

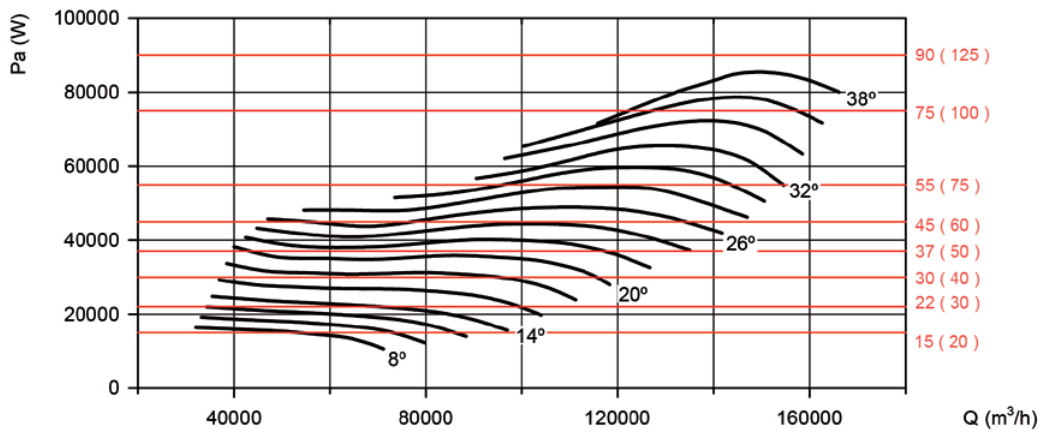
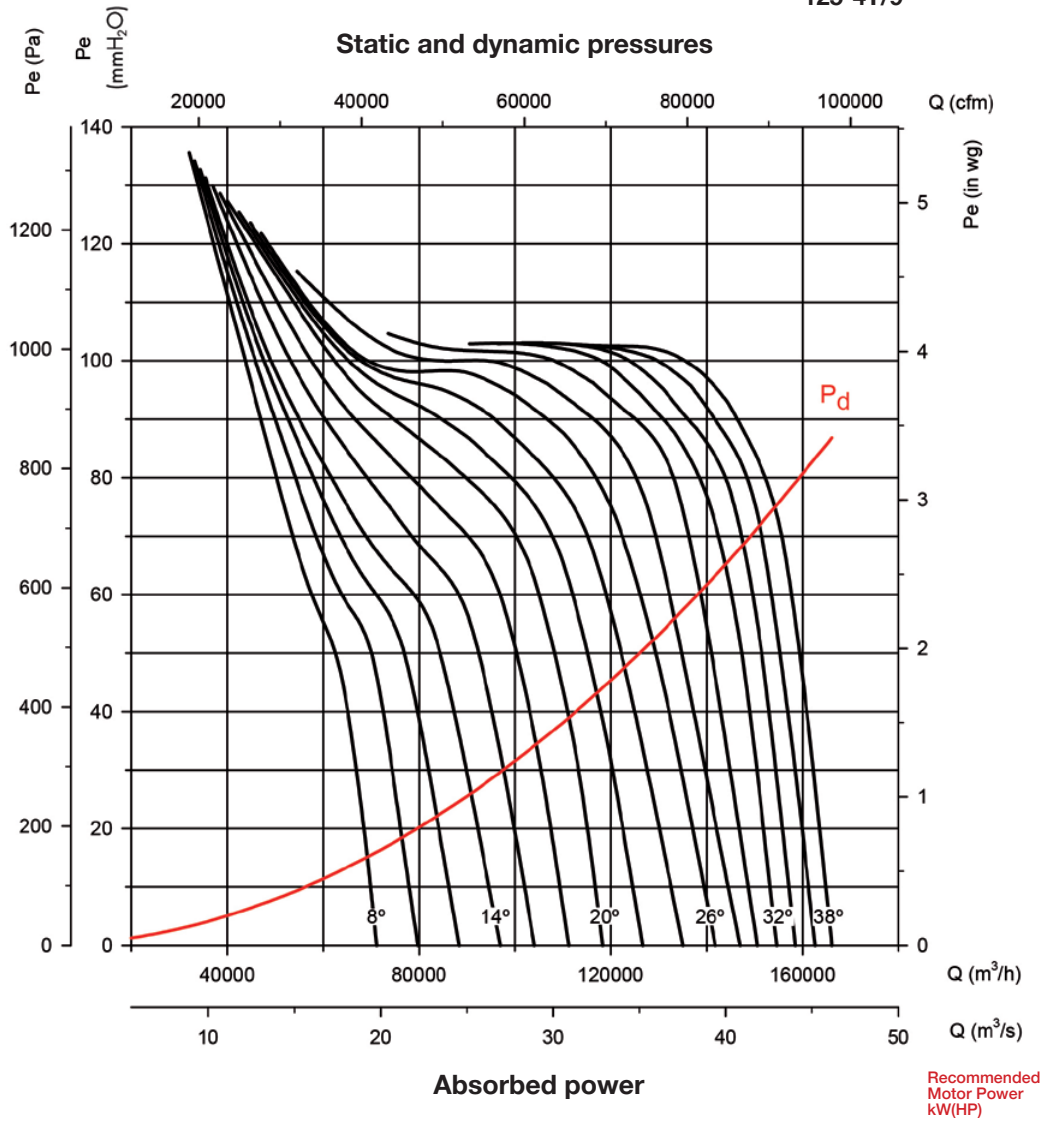
 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

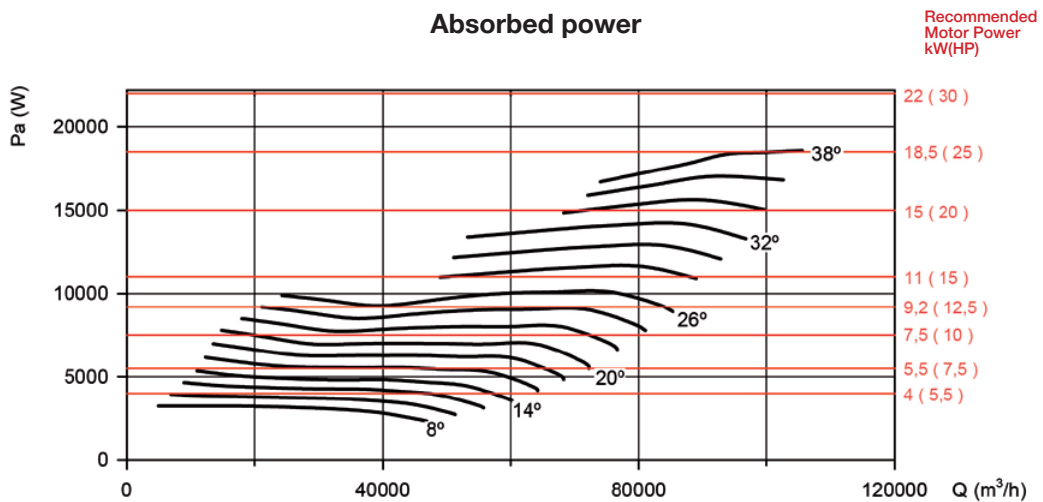
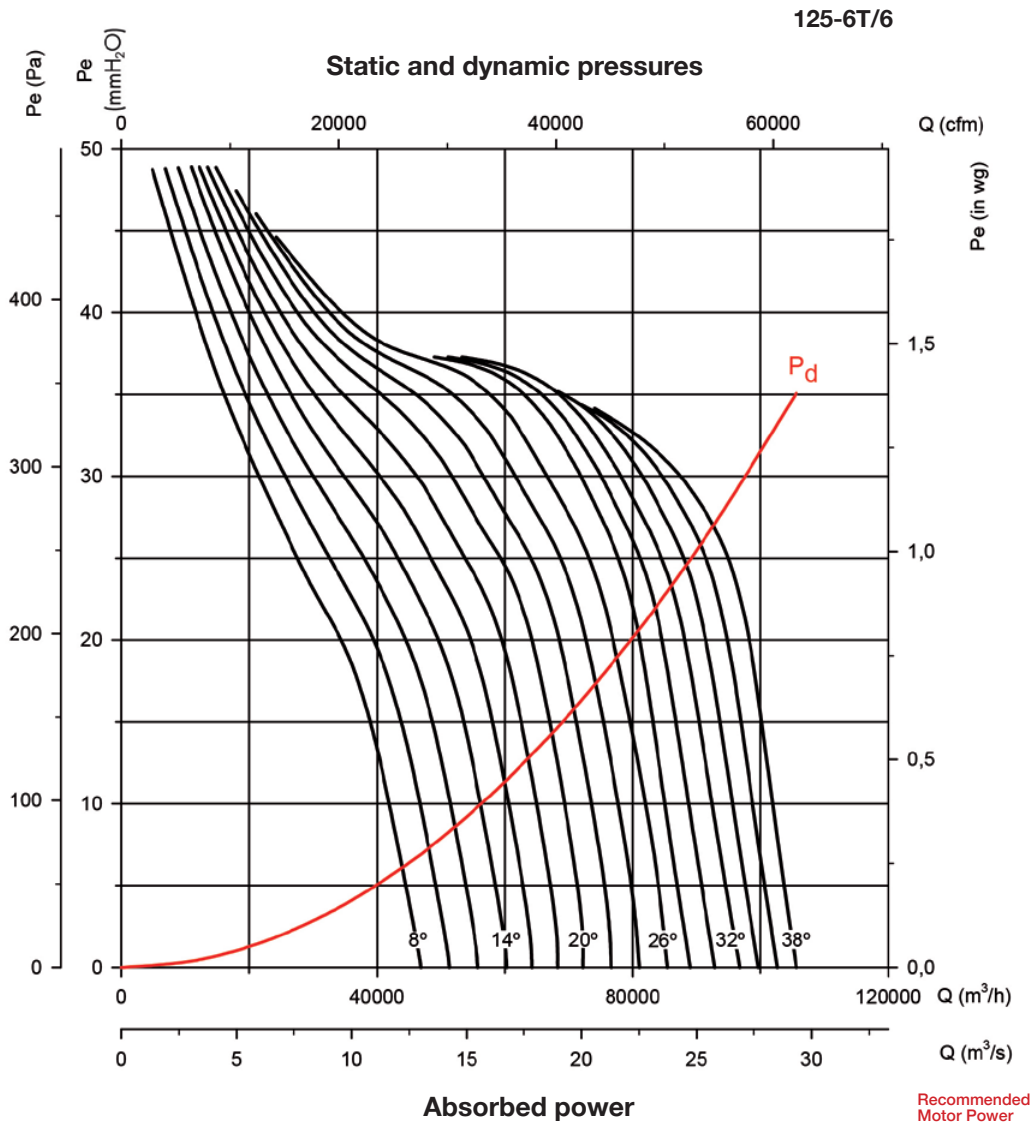
Pe= Static pressure in mm H₂O, Pa and inwg.

125-4T/9



Characteristic curves

 Q= Flow rate in m³/h, m³/s and cfm.

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


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

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

