

BOX HBF F300



AXIAL FAN IN SOUNDPROOF CABINET 300°C/2H

MANUFACTURING FEATURES

- BOX: Manufactured in galvanised steel sheet with thermalproofing. Soundproofing cabinets with thermo-acoustic insulation, Bs1d0 fire class. Removable panels for easy motor access and fan maintenance.
- Internal fan: HBF F300 Axial fan, circular reinforced frame from size 45 to 80. For larger sizes uses from 90 to 125 we use model HCF F300. Motor-impeller assembly through a modular system. Variable pitch angle cast aluminium impeller. Polyester powder finishing coat
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 300°C/2H. Manufactured with standard voltages: 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed

APPLICATIONS

- Designed for wall or duct installation, they are suitable for:
- Smoke emergency exhaust with motor inside the hazardous area.
 - Cabinet design simplifies installation in rectangular duct systems.
 - Maximum working temperature: 60°C.

UNDER REQUEST

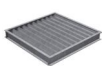
- Supply 100% reversible impeller.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015
Certification Nr: 0370-CPR-2401

Accessories



AVS



**CMP-H
UT**



INT



**INT
400**



JE 45



SFC



VISB

Technical data

Three-phase motor / 4 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBF 45 T4 (A2:6) F300	20° - 45°	0,55	0,75	6.640	49	46,01	1
	BOX HBF 45 T4 (A2:9) F300	20° - 45°	0,55	0,75	7.000	49	46,86	1
	BOX HBF 50 T4 (A2:6) F300	20° - 45°	0,55	1,10	9.460	52	50,16	1
	BOX HBF 50 T4 (A2:9) F300	20° - 45°	0,55	1,10	10.110	53	51,11	1
	BOX HBF 56 T4 (A2:6) F300	20° - 45°	0,55	2,20	13.100	55	62,40	1
	BOX HBF 56 T4 (A2:9) F300	20° - 45°	0,55	2,20	13.810	55	63,44	1
	BOX HBF 63 T4 (A2:6) F300	20° - 45°	0,55	3,00	19.010	57	64,35	1
	BOX HBF 63 T4 (A2:9) F300	20° - 45°	0,55	3,00	20.610	58	65,51	1
	BOX HBF 71 T4 (A2:6) F300	20° - 45°	0,75	4,00	26.410	60	80,63	1
	BOX HBF 71 T4 (A2:9) F300	20° - 45°	0,75	4,00	28.710	63	81,91	1
	BOX HBF 80 T4 (A2:6) F300	20° - 45°	1,10	7,50	37.010	62	86,98	1
	BOX HBF 80 T4 (A2:9) F300	20° - 45°	1,10	7,50	39.610	69	88,38	1
	BOX HBF 90 T4 (A6:3) F300	20° - 42°	3,00	15,00	48.350	73	184,31	1
	BOX HBF 90 T4 (A6:6) F300	20° - 42°	3,00	15,00	55.210	74	189,71	1
	BOX HBF 100 T4 (A6:3) F300	20° - 42°	5,50	22,00	65.950	74	201,79	1
	BOX HBF 100 T4 (A6:6) F300	20° - 42°	5,50	22,00	77.010	78	207,79	1
	BOX HBF 112 T4 (A6:3) F300	20° - 42°	5,50	37,00	86.990	76	274,24	1
	BOX HBF 112 T4 (A6:6) F300	20° - 42°	5,50	37,00	103.010	81	280,94	1
	BOX HBF 125 T4 (A6:3) F300	20° - 42°	7,50	45,00	120.810	81	282,49	1
	BOX HBF 125 T4 (A6:6) F300	20° - 42°	7,50	45,00	139.010	84	289,79	1

Three-phase motor / 6 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBF 45 T6 (A2:6) F300	20° - 45°	0,55	0,55	4.310	43	46,01	1
	BOX HBF 45 T6 (A2:9) F300	20° - 45°	0,55	0,55	4.540	43	46,86	1
	BOX HBF 50 T6 (A2:6) F300	20° - 45°	0,55	0,55	6.130	46	50,16	1
	BOX HBF 50 T6 (A2:9) F300	20° - 45°	0,55	0,55	6.550	46	51,11	1
	BOX HBF 56 T6 (A2:6) F300	20° - 45°	0,55	0,55	8.470	48	62,40	1
	BOX HBF 56 T6 (A2:9) F300	20° - 45°	0,55	0,55	8.970	48	63,44	1
	BOX HBF 63 T6 (A2:6) F300	20° - 45°	0,55	0,75	12.310	51	64,35	1
	BOX HBF 63 T6 (A2:9) F300	20° - 45°	0,55	0,75	13.310	51	65,51	1
	BOX HBF 71 T6 (A2:6) F300	20° - 45°	0,55	1,10	17.110	54	80,63	1

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBF 71 T6 (A2:9) F300	20° - 45°	0,55	1,10	18.610	56	81,91	1
	BOX HBF 80 T6 (A2:6) F300	20° - 45°	0,75	2,20	24.010	55	86,98	1
	BOX HBF 80 T6 (A2:9) F300	20° - 45°	0,75	2,20	25.710	61	88,38	1
	BOX HBF 90 T6 (A6:3) F300	20° - 42°	1,50	4,00	31.310	63	184,31	1
	BOX HBF 90 T6 (A6:6) F300	20° - 42°	1,50	4,00	35.810	64	189,71	1
	BOX HBF 100 T6 (A6:3) F300	20° - 42°	3,00	7,50	42.660	64	201,79	1
	BOX HBF 100 T6 (A6:6) F300	20° - 42°	3,00	7,50	49.910	68	207,79	1
	BOX HBF 112 T6 (A6:3) F300	20° - 42°	3,00	11,00	56.390	66	274,24	1
	BOX HBF 112 T6 (A6:6) F300	20° - 42°	3,00	11,00	66.810	71	280,94	1
	BOX HBF 125 T6 (A6:3) F300	20° - 42°	3,00	15,00	77.970	71	282,49	1
	BOX HBF 125 T6 (A6:6) F300	20° - 42°	3,00	15,00	89.910	75	289,79	1

2 speed motor / 4/8 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow w m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBF 45 T4/T8 (A2:6) F300	20° - 45°	0,60	0,80	6.640	49	46,01	2
	BOX HBF 45 T4/T8 (A2:9) F300	20° - 45°	0,60	0,80	7.000	52	46,86	2
	BOX HBF 50 T4/T8 (A2:6) F300	20° - 45°	0,60	1,20	9.460	52	50,16	2
	BOX HBF 50 T4/T8 (A2:9) F300	20° - 45°	0,60	1,20	10.110	54	51,11	2
	BOX HBF 56 T4/T8 (A2:6) F300	20° - 45°	0,60	2,80	13.100	55	62,40	2
	BOX HBF 56 T4/T8 (A2:9) F300	20° - 45°	0,60	2,80	13.810	56	63,44	2
	BOX HBF 63 T4/T8 (A2:6) F300	20° - 45°	0,60	2,80	19.010	57	64,35	2
	BOX HBF 63 T4/T8 (A2:9) F300	20° - 45°	0,60	2,80	20.610	58	65,51	2
	BOX HBF 71 T4/T8 (A2:6) F300	20° - 45°	0,80	3,80	26.410	60	80,63	2
	BOX HBF 71 T4/T8 (A2:9) F300	20° - 45°	0,80	3,80	28.710	63	81,91	2
	BOX HBF 80 T4/T8 (A2:6) F300	20° - 45°	1,20	7,50	37.010	62	86,98	2
	BOX HBF 80 T4/T8 (A2:9) F300	20° - 45°	1,20	7,50	39.610	70	88,38	2
	BOX HBF 90 T4/T8 (A6:3) F300	20° - 42°	2,20	17,00	48.350	73	184,31	2
	BOX HBF 90 T4/T8 (A6:6) F300	20° - 42°	2,20	17,00	55.210	74	189,71	2
	BOX HBF 100 T4/T8 (A6:3) F300	20° - 42°	5,00	20,00	65.950	74	201,79	2
	BOX HBF 100 T4/T8 (A6:6) F300	20° - 42°	5,00	20,00	77.010	78	207,79	2
	BOX HBF 112 T4/T8 (A6:3) F300	20° - 42°	5,00	37,00	86.990	76	274,24	2
	BOX HBF 112 T4/T8 (A6:6) F300	20° - 42°	5,00	37,00	103.010	81	280,94	2
	BOX HBF 125 T4/T8 (A6:3) F300	20° - 42°	7,50	44,00	120.810	81	282,49	2

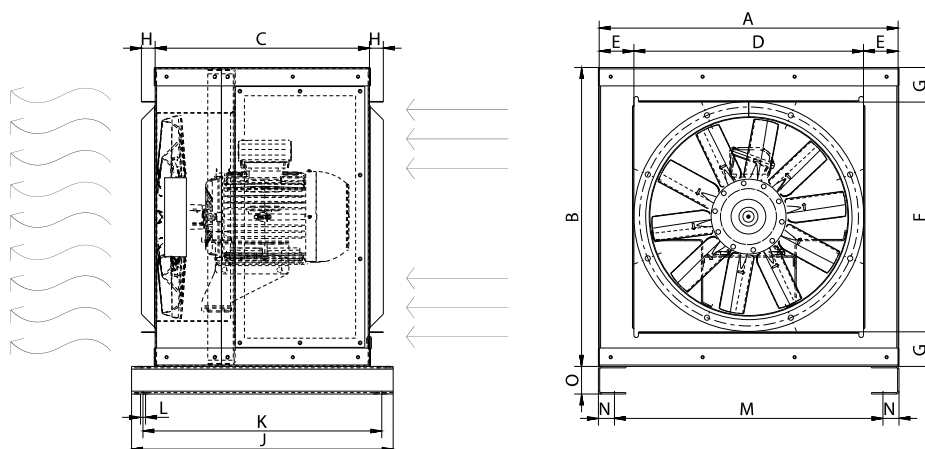
Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBF 125 T4/T8 (A6:6) F300	20° - 42°	7,50	44,00	139. 010	84	289,79	2

Notes:

* The motor is not included in fan weight

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions



Model	A	B	C	D	E	F	G	H	J
BOX HBF 45 T4 (A2:6) F300	651	651	467	500	75	500	75	30	570
BOX HBF 45 T4 (A2:9) F300	651	651	467	500	75	500	75	30	570
BOX HBF 45 T6 (A2:6) F300	651	651	467	500	75	500	75	30	570
BOX HBF 45 T6 (A2:9) F300	651	651	467	500	75	500	75	30	570
BOX HBF 45 T4/T8 (A2:6) F300	651	651	467	500	75	500	75	30	570
BOX HBF 45 T4/T8 (A2:9) F300	651	651	467	500	75	500	75	30	570
BOX HBF 50 T4 (A2:6) F300	651	651	467	500	75	500	75	30	570
BOX HBF 50 T4 (A2:9) F300	651	651	467	500	75	500	75	30	570
BOX HBF 50 T6 (A2:6) F300	651	651	467	500	75	500	75	30	570
BOX HBF 50 T6 (A2:9) F300	651	651	467	500	75	500	75	30	570
BOX HBF 50 T4/T8 (A2:6) F300	651	651	467	500	75	500	75	30	570
BOX HBF 50 T4/T8 (A2:9) F300	651	651	467	500	75	500	75	30	570
BOX HBF 56 T4 (A2:6) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 56 T4 (A2:9) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 56 T6 (A2:6) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 56 T6 (A2:9) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 56 T4/T8 (A2:6) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 56 T4/T8 (A2:9) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 63 T4 (A2:6) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 63 T4 (A2:9) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 63 T6 (A2:6) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 63 T6 (A2:9) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 63 T4/T8 (A2:6) F300	781.5	781.5	542	630	76	630	76	30	665
BOX HBF 63 T4/T8 (A2:9) F300	781.5	781.5	542	630	76	630	76	30	665

Model	A	B	C	D	E	F	G	H	J
BOX HBF 71 T4 (A2:6) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 71 T4 (A2:9) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 71 T6 (A2:6) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 71 T6 (A2:9) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 71 T4/T8 (A2:6) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 71 T4/T8 (A2:9) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 80 T4 (A2:6) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 80 T4 (A2:9) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 80 T6 (A2:6) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 80 T6 (A2:9) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 80 T4/T8 (A2:6) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 80 T4/T8 (A2:9) F300	951.5	951.5	597	800	76	800	76	30	705
BOX HBF 90 T4 (A6:3) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 90 T4 (A6:6) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 90 T6 (A6:3) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 90 T6 (A6:6) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 90 T4/T8 (A6:3) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 90 T4/T8 (A6:6) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 100 T4 (A6:3) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 100 T4 (A6:6) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 100 T6 (A6:3) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 100 T6 (A6:6) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 100 T4/T8 (A6:3) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 100 T4/T8 (A6:6) F300	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBF 112 T4 (A6:3) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 112 T4 (A6:6) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 112 T6 (A6:3) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 112 T6 (A6:6) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 112 T4/T8 (A6:3) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 112 T4/T8 (A6:6) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 125 T4 (A6:3) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 125 T4 (A6:6) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 125 T6 (A6:3) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 125 T6 (A6:6) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 125 T4/T8 (A6:3) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBF 125 T4/T8 (A6:6) F300	1416.5	1416.5	1019	1250	83	1250	82	30	1125

Model	K	L	M	N	O
BOX HBF 45 T4 (A2:6) F300	520	11	585	35	60
BOX HBF 45 T4 (A2:9) F300	520	11	585	35	60

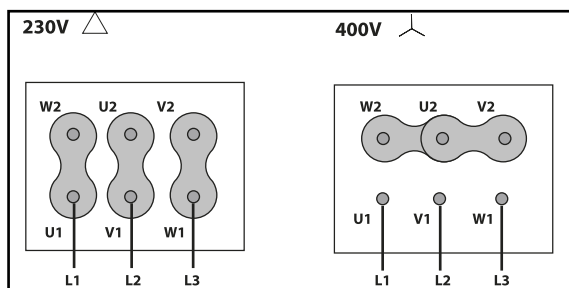
Model	K	L	M	N	O
BOX HBF 45 T6 (A2:6) F300	520	11	585	35	60
BOX HBF 45 T6 (A2:9) F300	520	11	585	35	60
BOX HBF 45 T4/T8 (A2:6) F300	520	11	585	35	60
BOX HBF 45 T4/T8 (A2:9) F300	520	11	585	35	60
BOX HBF 50 T4 (A2:6) F300	520	11	585	35	60
BOX HBF 50 T4 (A2:9) F300	520	11	585	35	60
BOX HBF 50 T6 (A2:6) F300	520	11	585	35	60
BOX HBF 50 T6 (A2:9) F300	520	11	585	35	60
BOX HBF 50 T4/T8 (A2:6) F300	520	11	585	35	60
BOX HBF 50 T4/T8 (A2:9) F300	520	11	585	35	60
BOX HBF 56 T4 (A2:6) F300	610	11	715	35	60
BOX HBF 56 T4 (A2:9) F300	610	11	715	35	60
BOX HBF 56 T6 (A2:6) F300	610	11	715	35	60
BOX HBF 56 T6 (A2:9) F300	610	11	715	35	60
BOX HBF 56 T4/T8 (A2:6) F300	610	11	715	35	60
BOX HBF 56 T4/T8 (A2:9) F300	610	11	715	35	60
BOX HBF 63 T4 (A2:6) F300	610	11	715	35	60
BOX HBF 63 T4 (A2:9) F300	610	11	715	35	60
BOX HBF 63 T6 (A2:6) F300	610	11	715	35	60
BOX HBF 63 T6 (A2:9) F300	610	11	715	35	60
BOX HBF 63 T4/T8 (A2:6) F300	610	11	715	35	60
BOX HBF 63 T4/T8 (A2:9) F300	610	11	715	35	60
BOX HBF 71 T4 (A2:6) F300	650	11	885	35	60
BOX HBF 71 T4 (A2:9) F300	650	11	885	35	60
BOX HBF 71 T6 (A2:6) F300	650	11	885	35	60
BOX HBF 71 T6 (A2:9) F300	650	11	885	35	60
BOX HBF 71 T4/T8 (A2:6) F300	650	11	885	35	60
BOX HBF 71 T4/T8 (A2:9) F300	650	11	885	35	60
BOX HBF 80 T4 (A2:6) F300	650	11	885	35	60
BOX HBF 80 T4 (A2:9) F300	650	11	885	35	60
BOX HBF 80 T6 (A2:6) F300	650	11	885	35	60
BOX HBF 80 T6 (A2:9) F300	650	11	885	35	60
BOX HBF 80 T4/T8 (A2:6) F300	650	11	885	35	60
BOX HBF 80 T4/T8 (A2:9) F300	650	11	885	35	60
BOX HBF 90 T4 (A6:3) F300	915	11	1110	35	90
BOX HBF 90 T4 (A6:6) F300	915	11	1110	35	90
BOX HBF 90 T6 (A6:3) F300	915	11	1110	35	90
BOX HBF 90 T6 (A6:6) F300	915	11	1110	35	90
BOX HBF 90 T4/T8 (A6:3) F300	915	11	1110	35	90
BOX HBF 90 T4/T8 (A6:6) F300	915	11	1110	35	90

Model	K	L	M	N	O
BOX HBF 100 T4 (A6:3) F300	915	11	1110	35	90
BOX HBF 100 T4 (A6:6) F300	915	11	1110	35	90
BOX HBF 100 T6 (A6:3) F300	915	11	1110	35	90
BOX HBF 100 T6 (A6:6) F300	915	11	1110	35	90
BOX HBF 100 T4/T8 (A6:3) F300	915	11	1110	35	90
BOX HBF 100 T4/T8 (A6:6) F300	915	11	1110	35	90
BOX HBF 112 T4 (A6:3) F300	1075	11	1350	35	90
BOX HBF 112 T4 (A6:6) F300	1075	11	1350	35	90
BOX HBF 112 T6 (A6:3) F300	1075	11	1350	35	90
BOX HBF 112 T6 (A6:6) F300	1075	11	1350	35	90
BOX HBF 112 T4/T8 (A6:3) F300	1075	11	1350	35	90
BOX HBF 112 T4/T8 (A6:6) F300	1075	11	1350	35	90
BOX HBF 125 T4 (A6:3) F300	1075	11	1350	35	90
BOX HBF 125 T4 (A6:6) F300	1075	11	1350	35	90
BOX HBF 125 T6 (A6:3) F300	1075	11	1350	35	90
BOX HBF 125 T6 (A6:6) F300	1075	11	1350	35	90
BOX HBF 125 T4/T8 (A6:3) F300	1075	11	1350	35	90
BOX HBF 125 T4/T8 (A6:6) F300	1075	11	1350	35	90

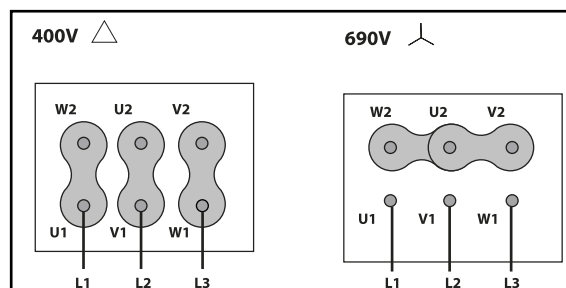
Wiring diagram

Wiring diagram N° 1

230/400V

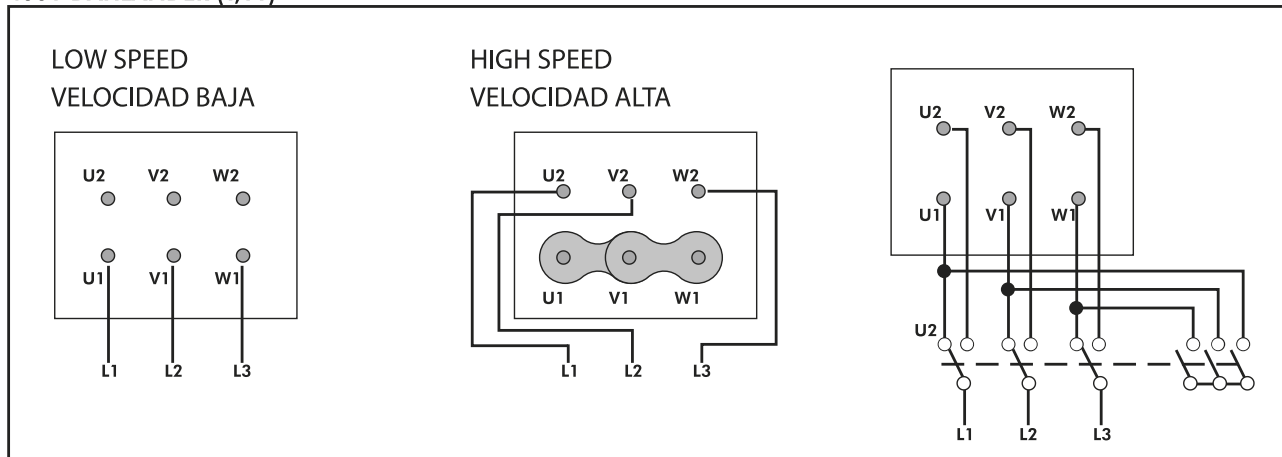


400/690V



Wiring diagram N° 2

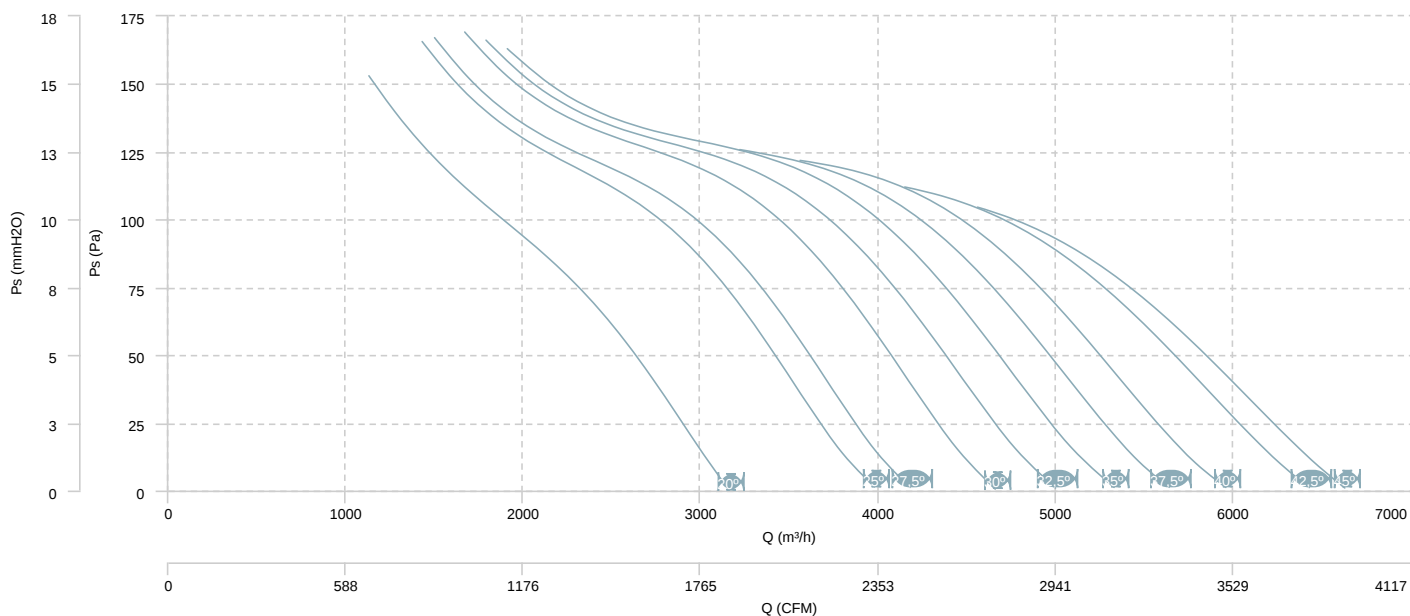
400V DAHLANDER (Y,YY)



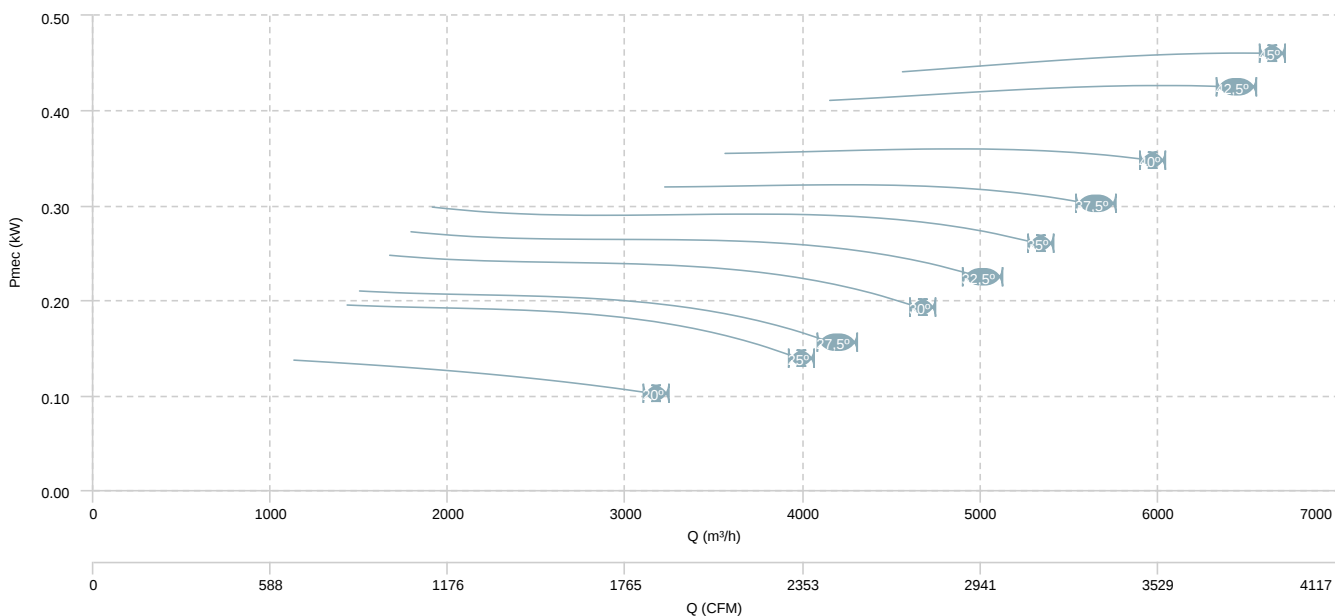
CHARACTERISCTIC CURVE

BOX HBF 45 T4 (A2:6) F300

AIR FLOW - PRESSURE

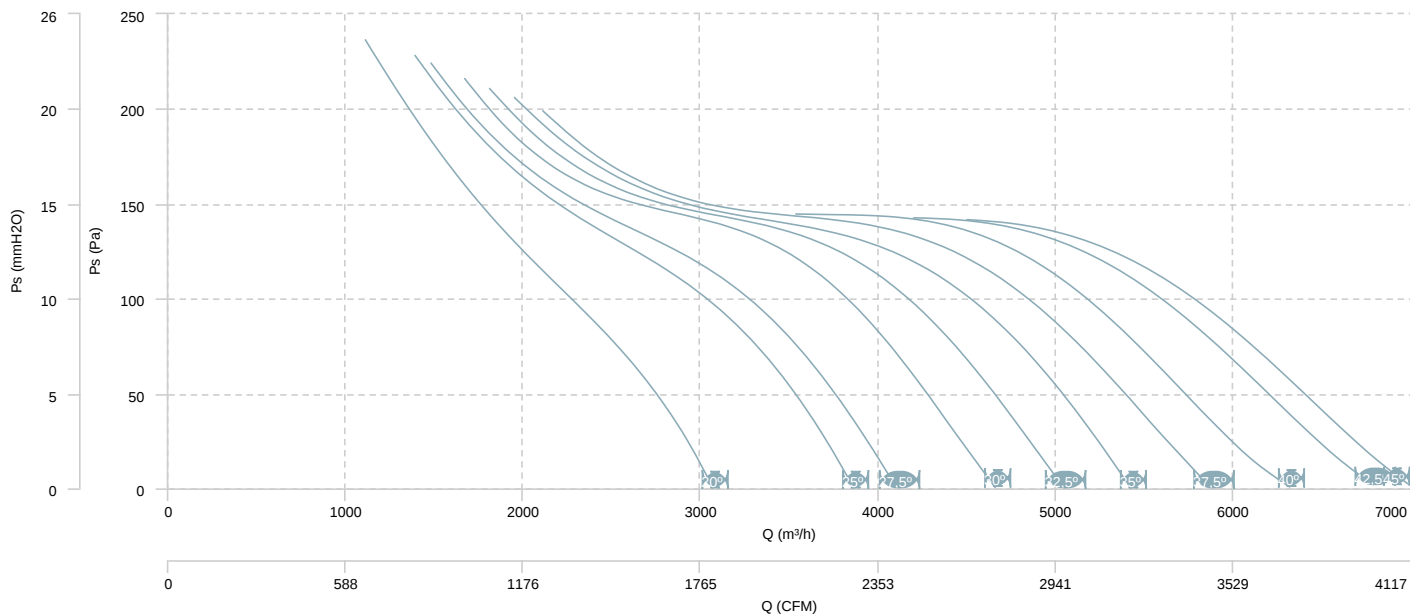


AIR FLOW - MECHANICAL POWER

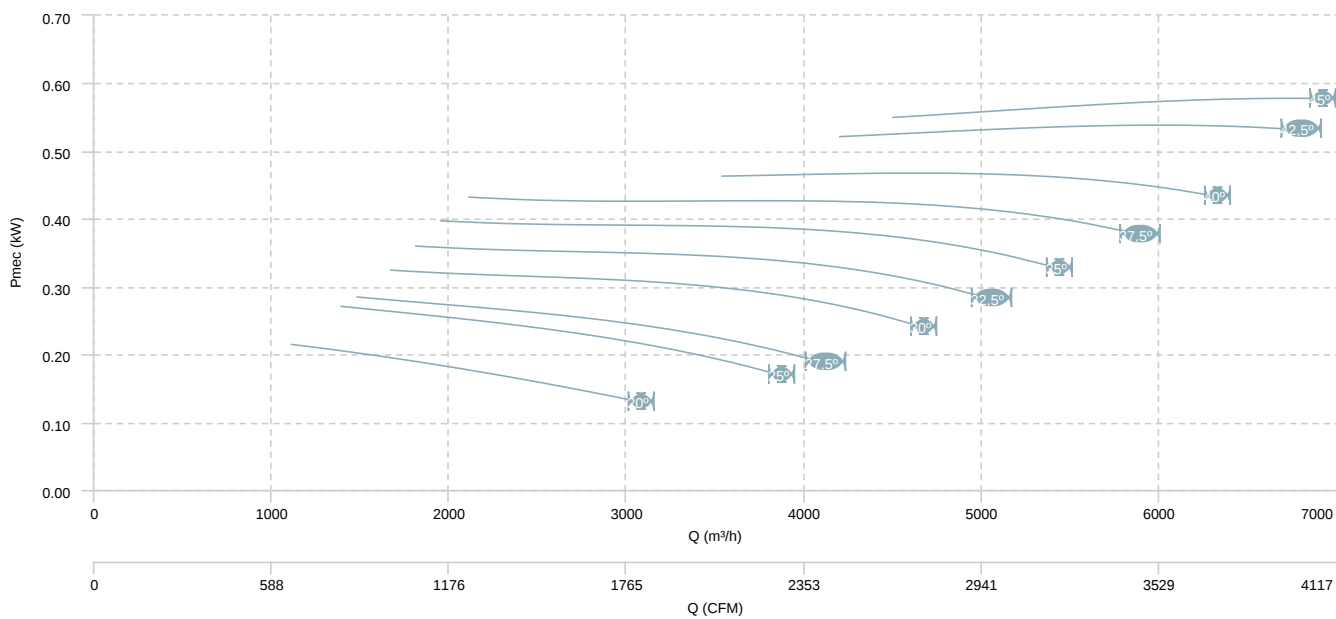


BOX HBF 45 T4 (A2:9) F300

AIR FLOW - PRESSURE

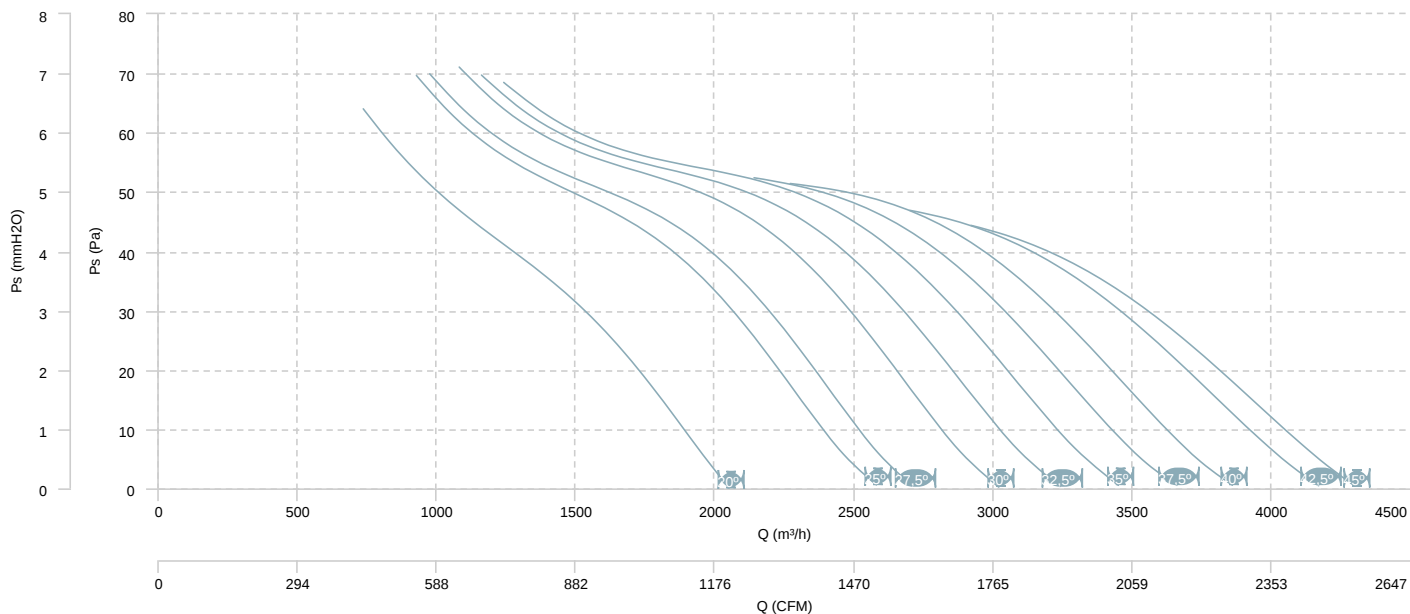


AIR FLOW - MECHANICAL POWER

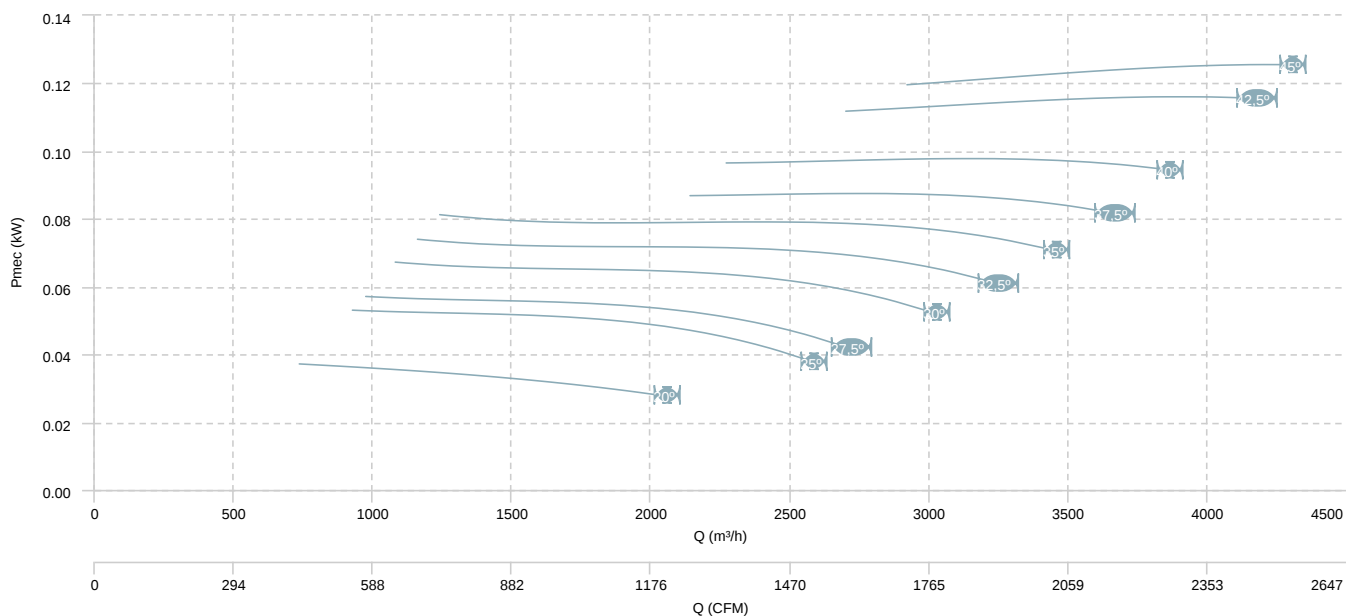


BOX HBF 45 T6 (A2:6) F300

AIR FLOW - PRESSURE

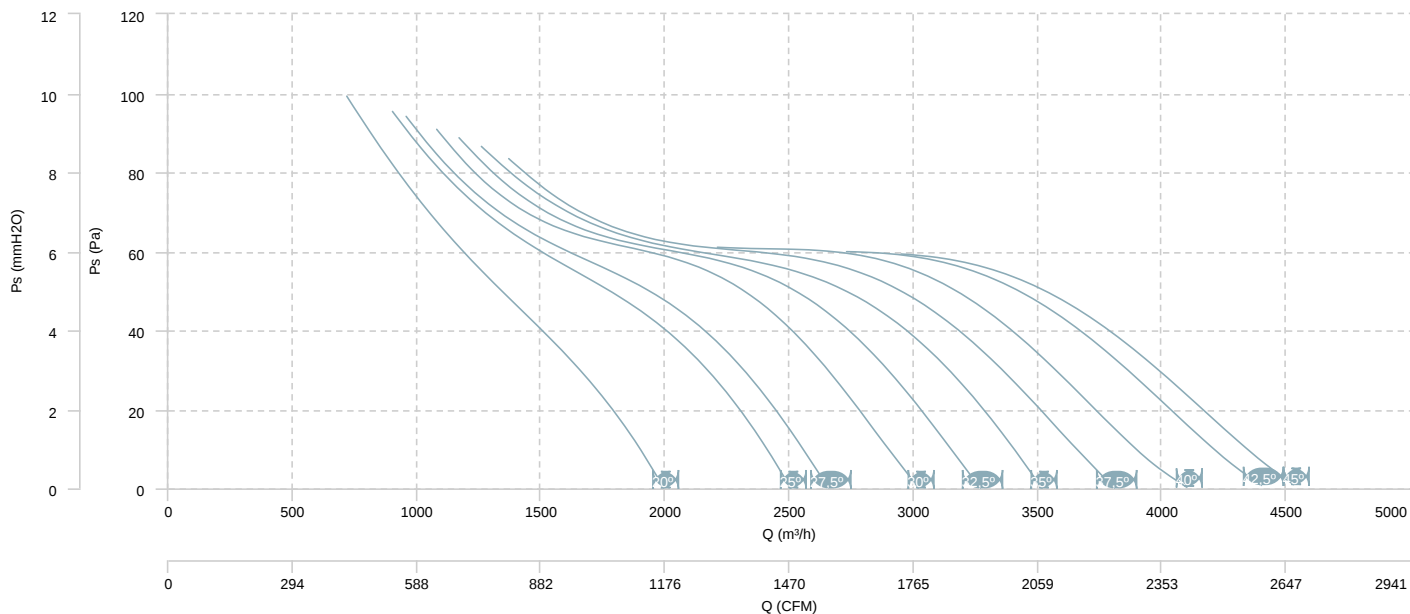


AIR FLOW - MECHANICAL POWER

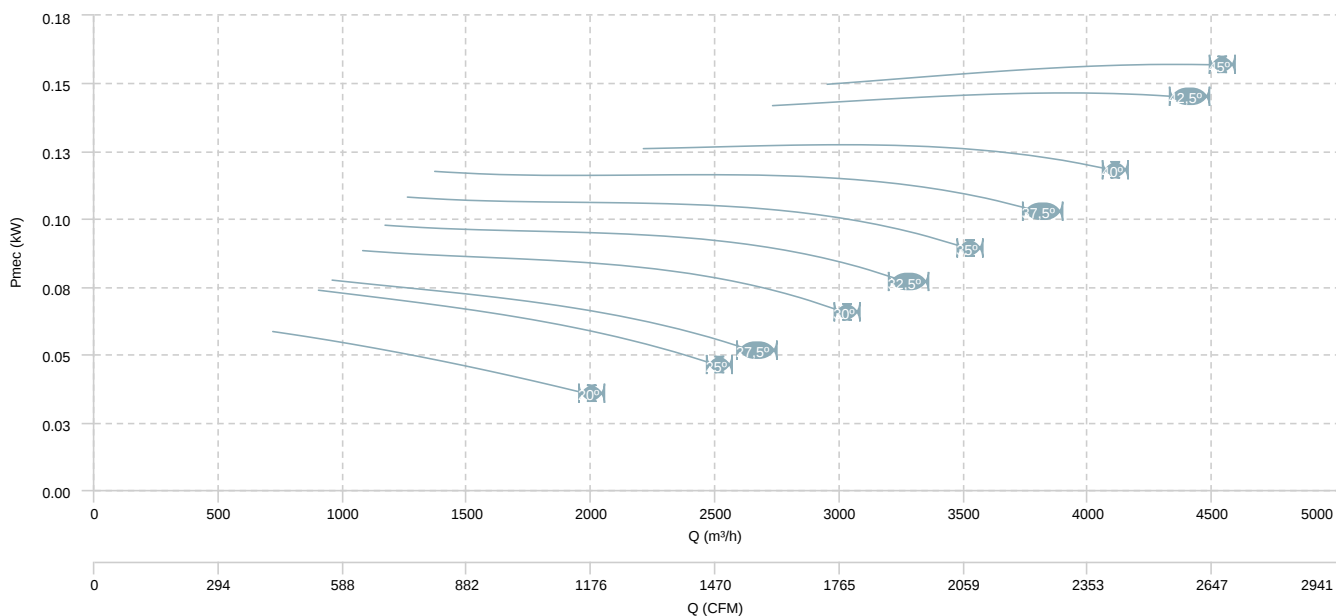


BOX HBF 45 T6 (A2:9) F300

AIR FLOW - PRESSURE

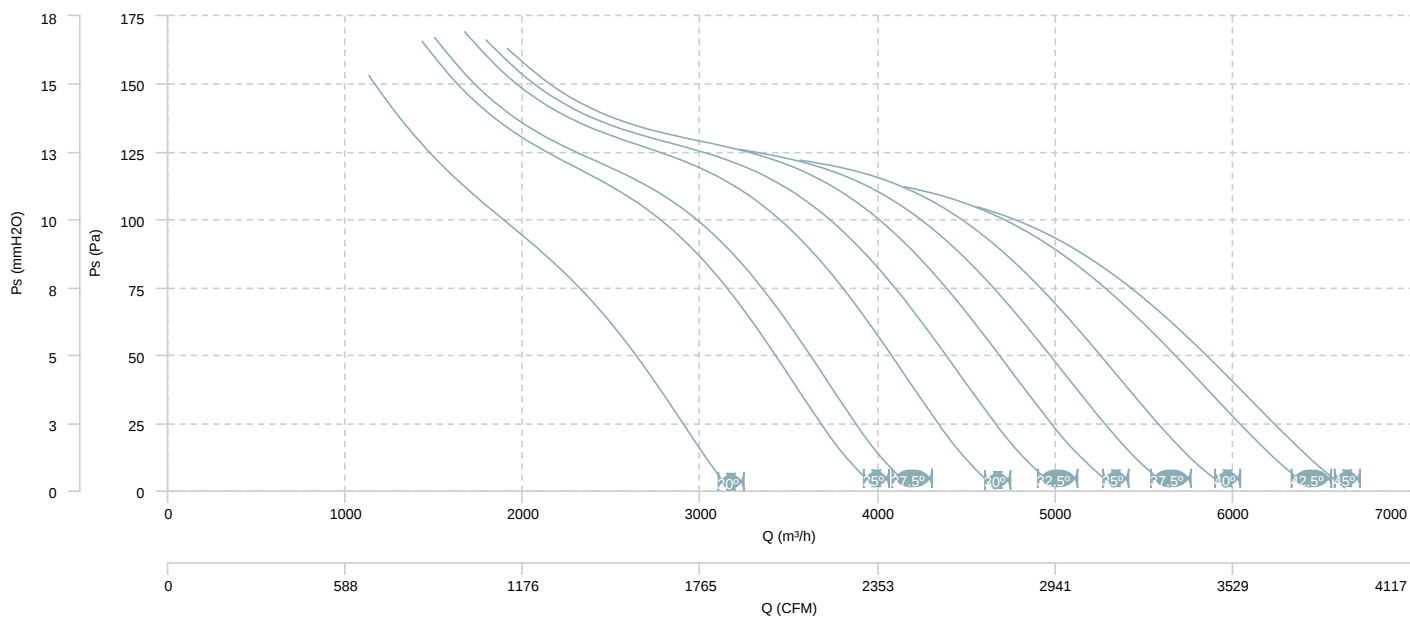


AIR FLOW - MECHANICAL POWER

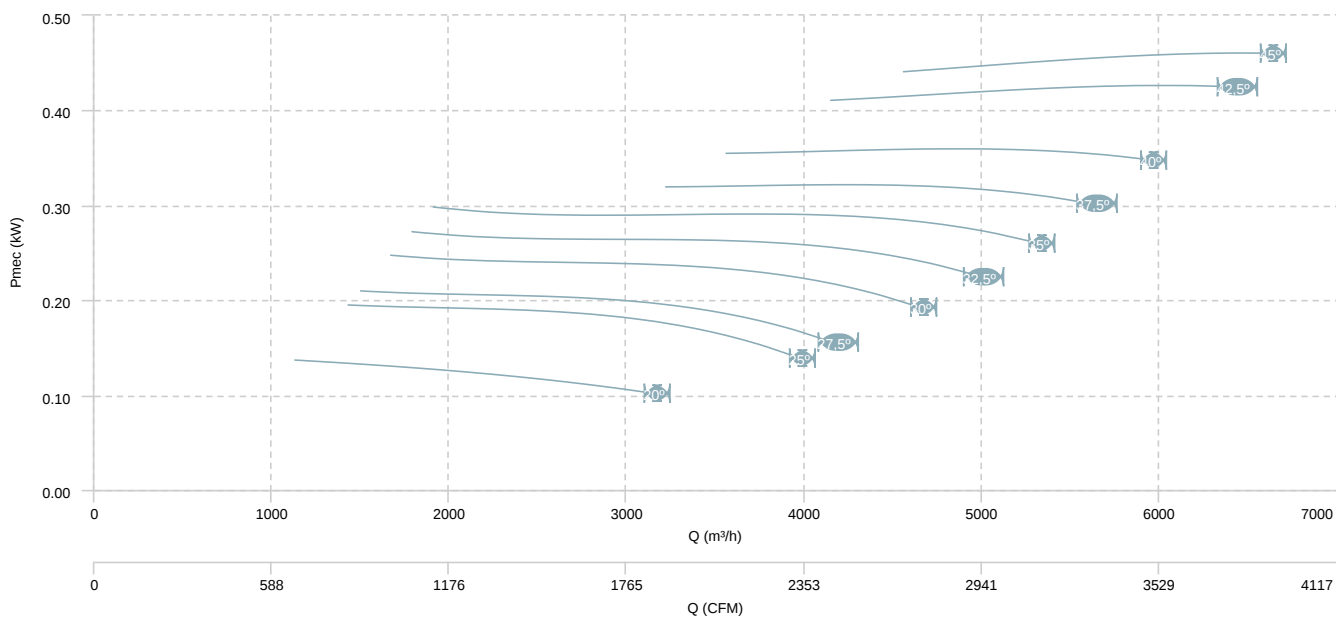


BOX HBF 45 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (4 poles)

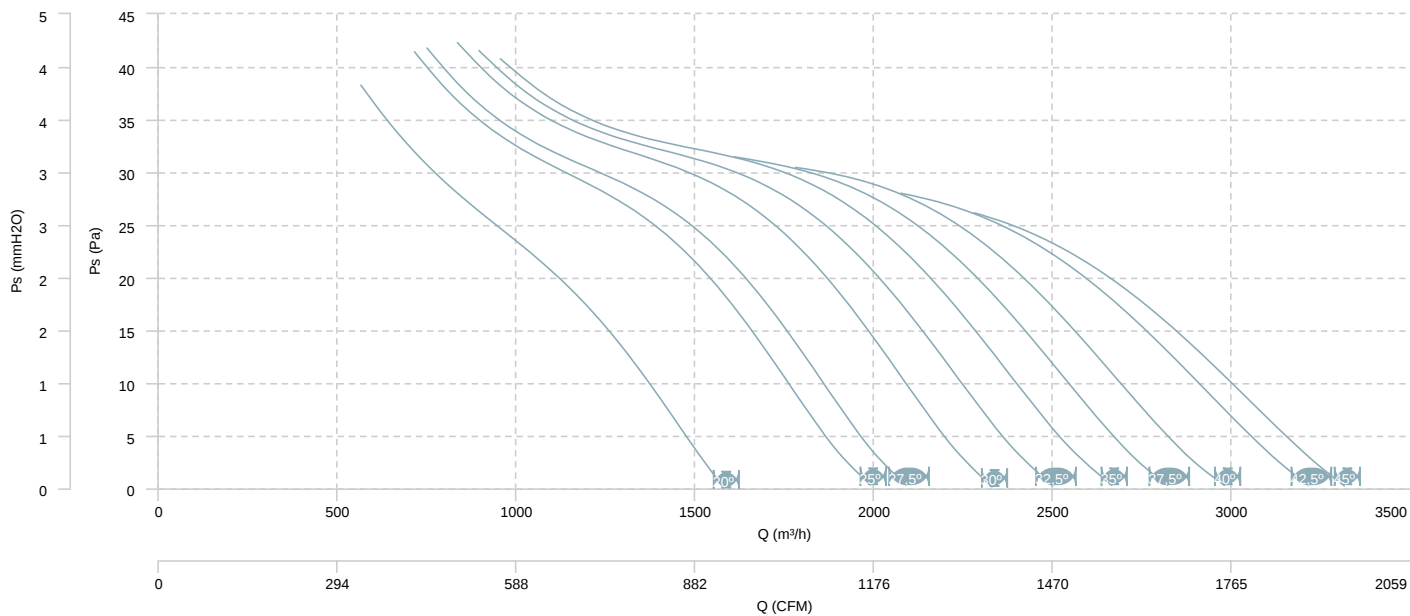


AIR FLOW - MECHANICAL POWER (4 poles)

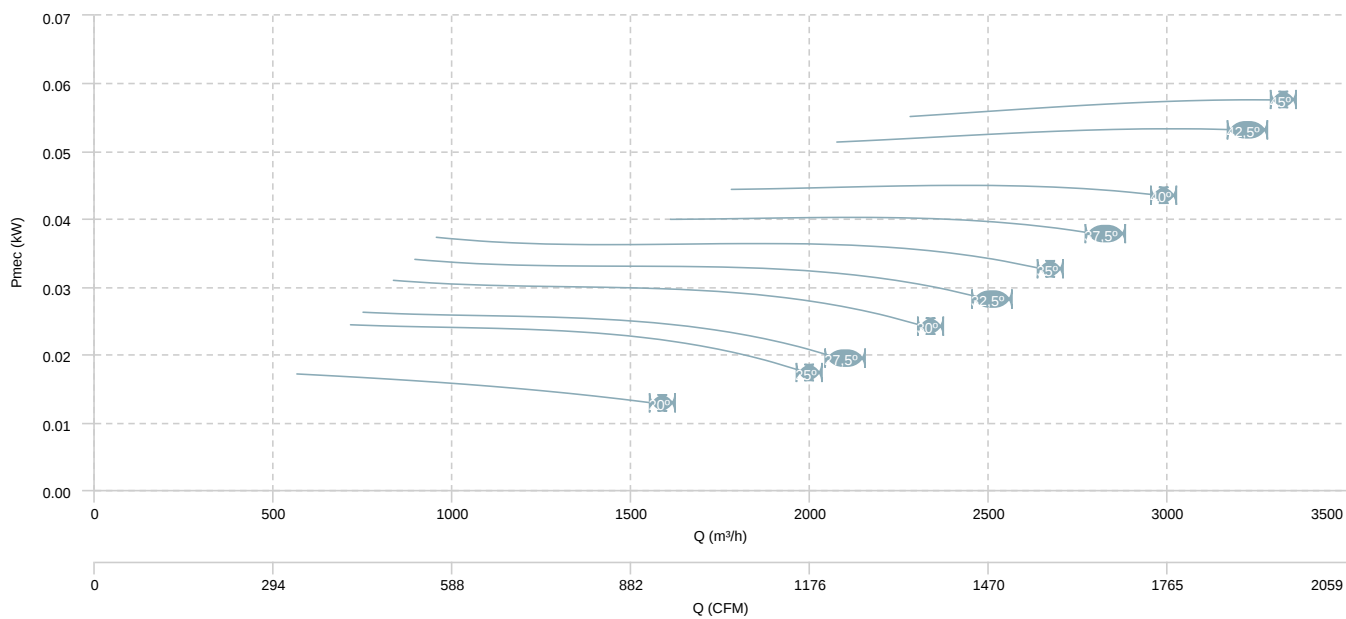


BOX HBF 45 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (8 poles)

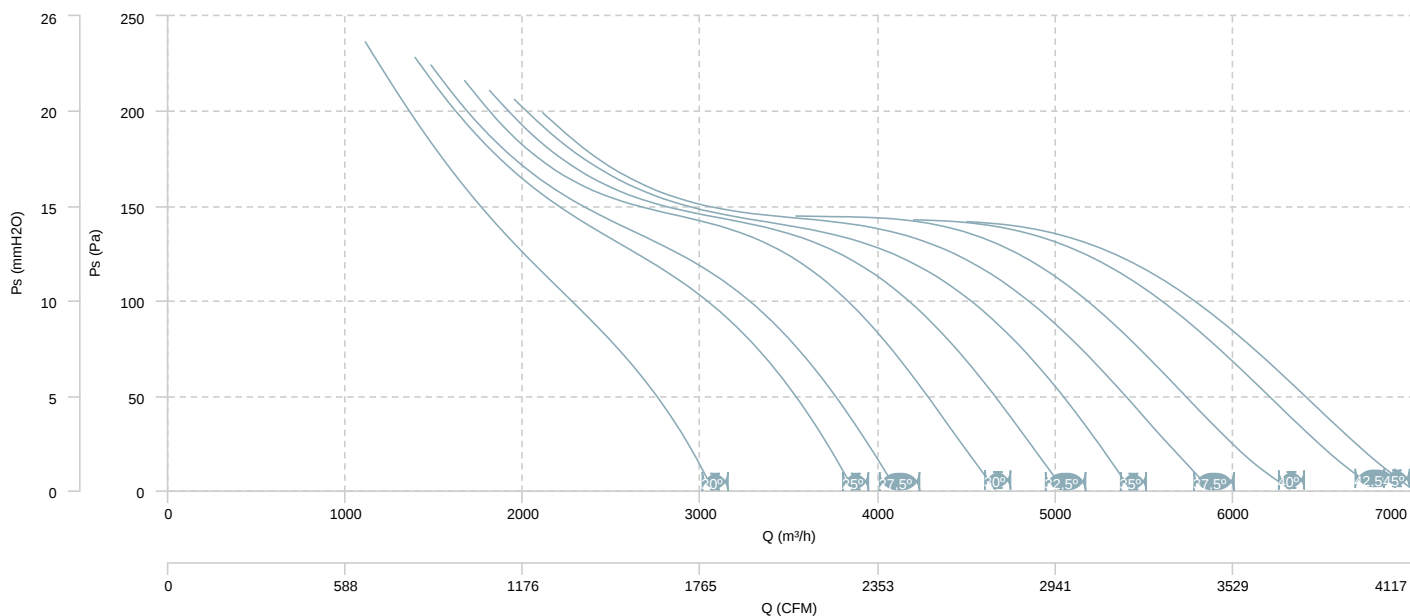


AIR FLOW - MECHANICAL POWER (8 poles)

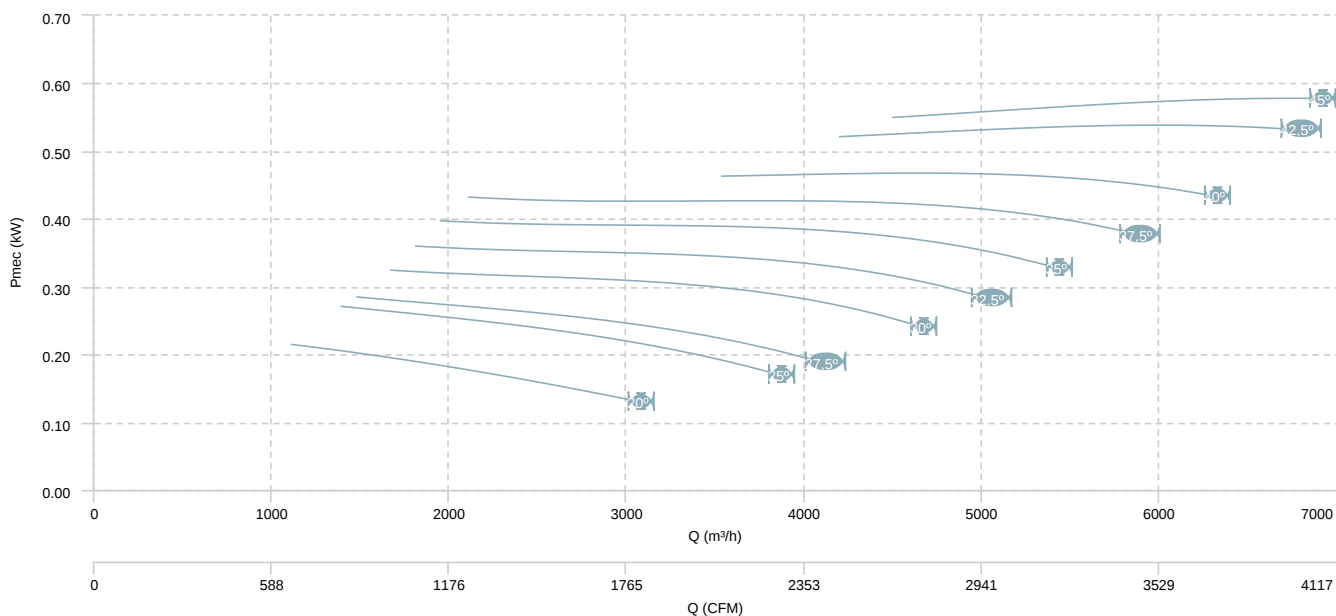


BOX HBF 45 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (4 poles)

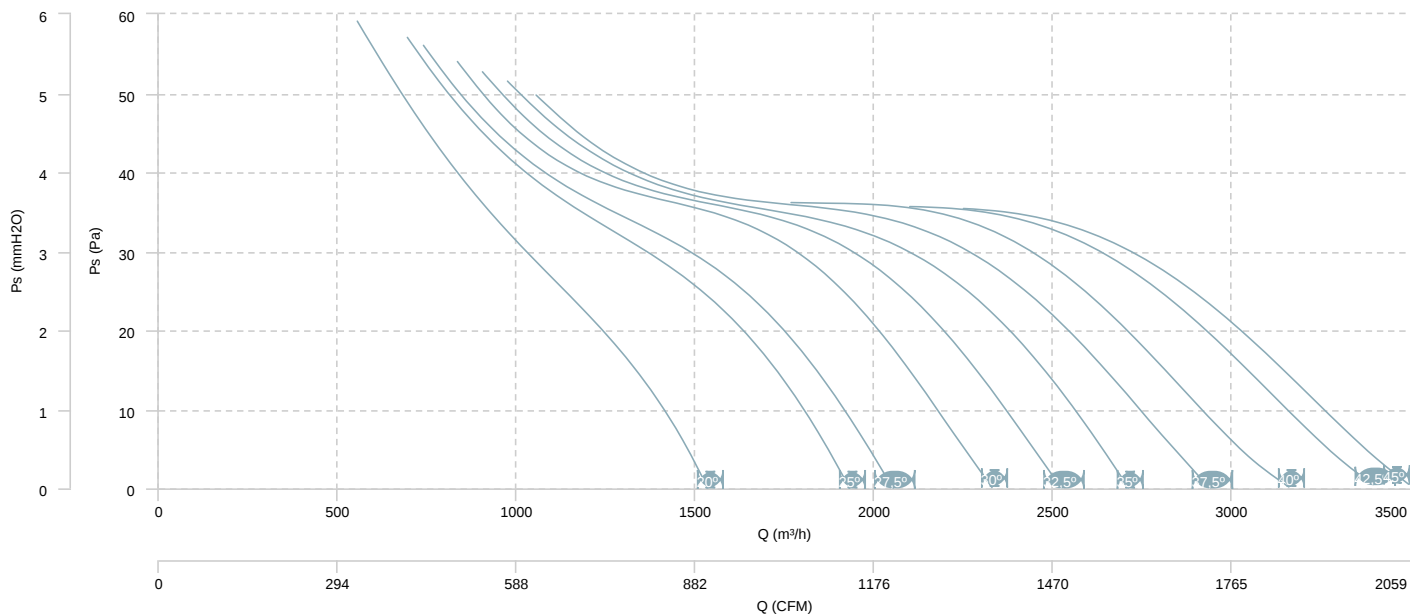


AIR FLOW - MECHANICAL POWER (4 poles)

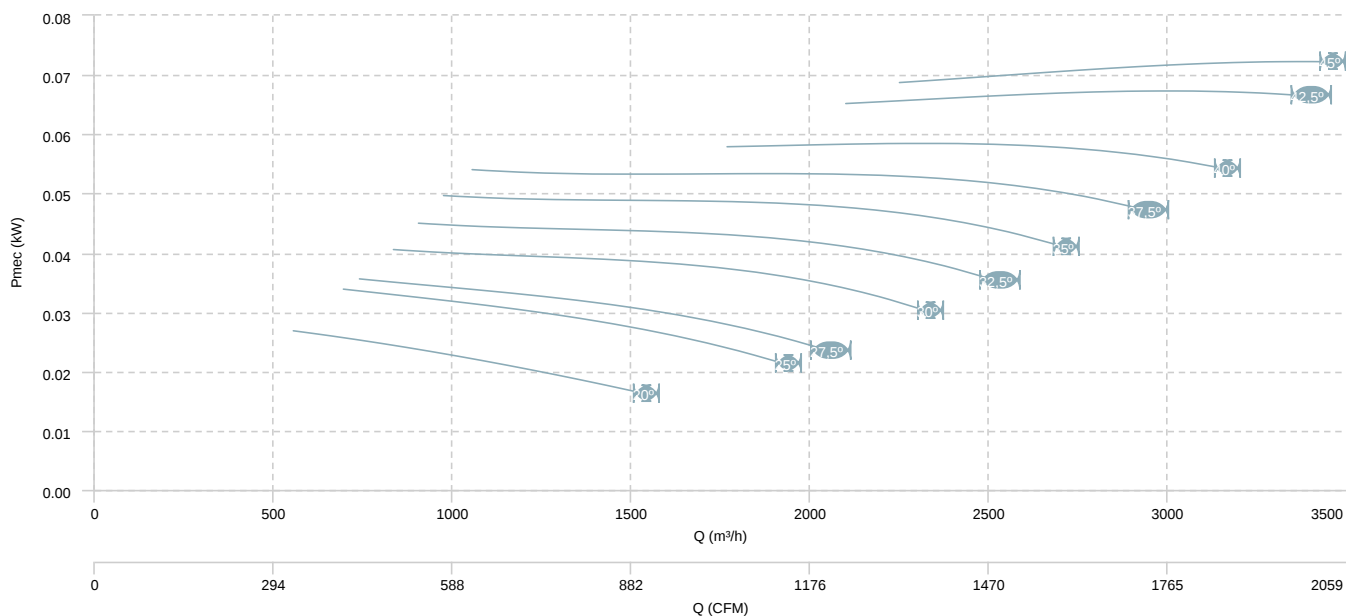


BOX HBF 45 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (8 poles)

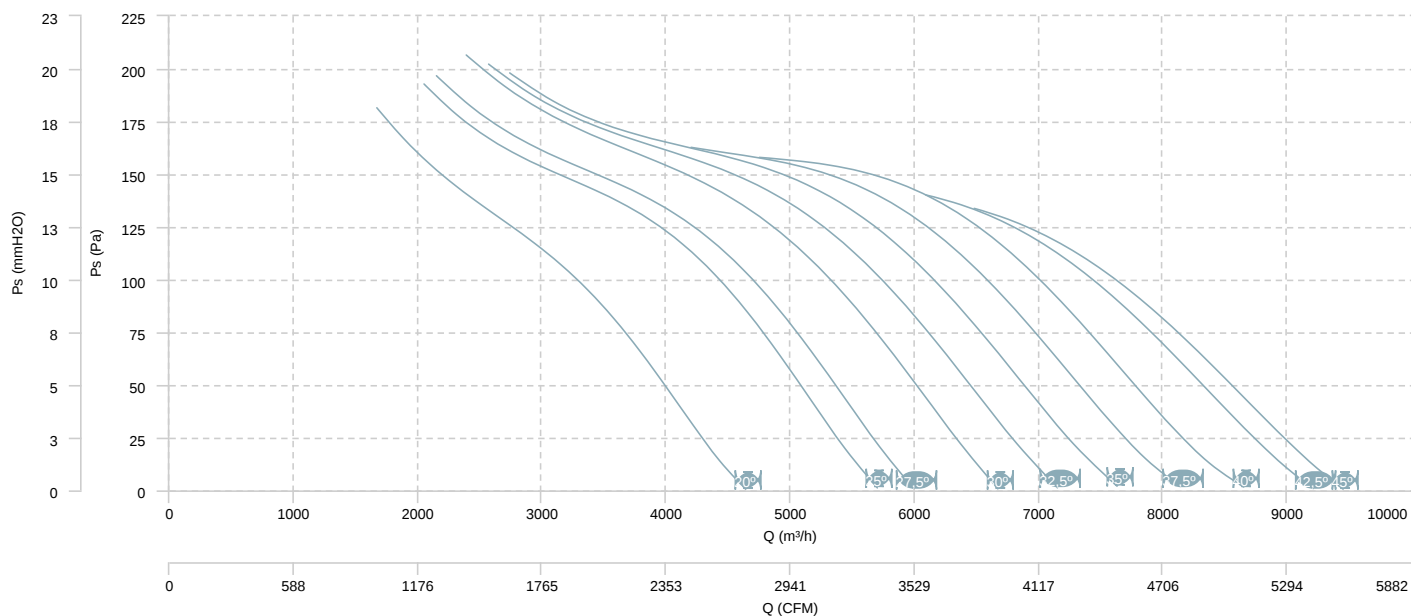


AIR FLOW - MECHANICAL POWER (8 poles)

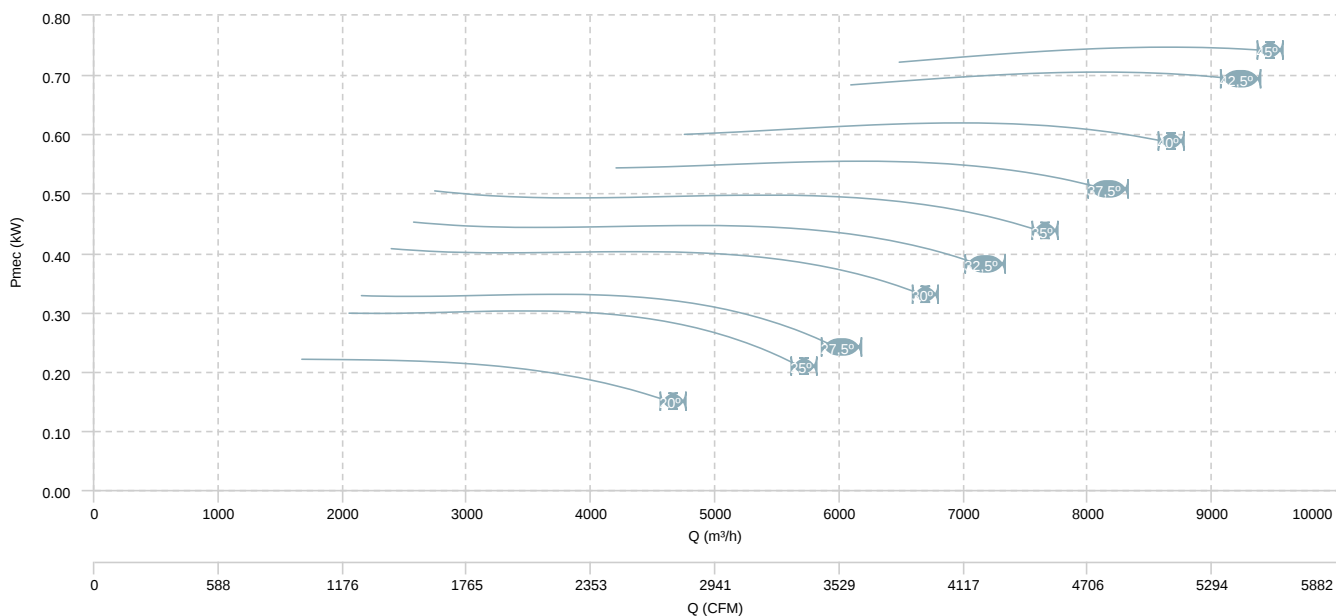


BOX HBF 50 T4 (A2:6) F300

AIR FLOW - PRESSURE

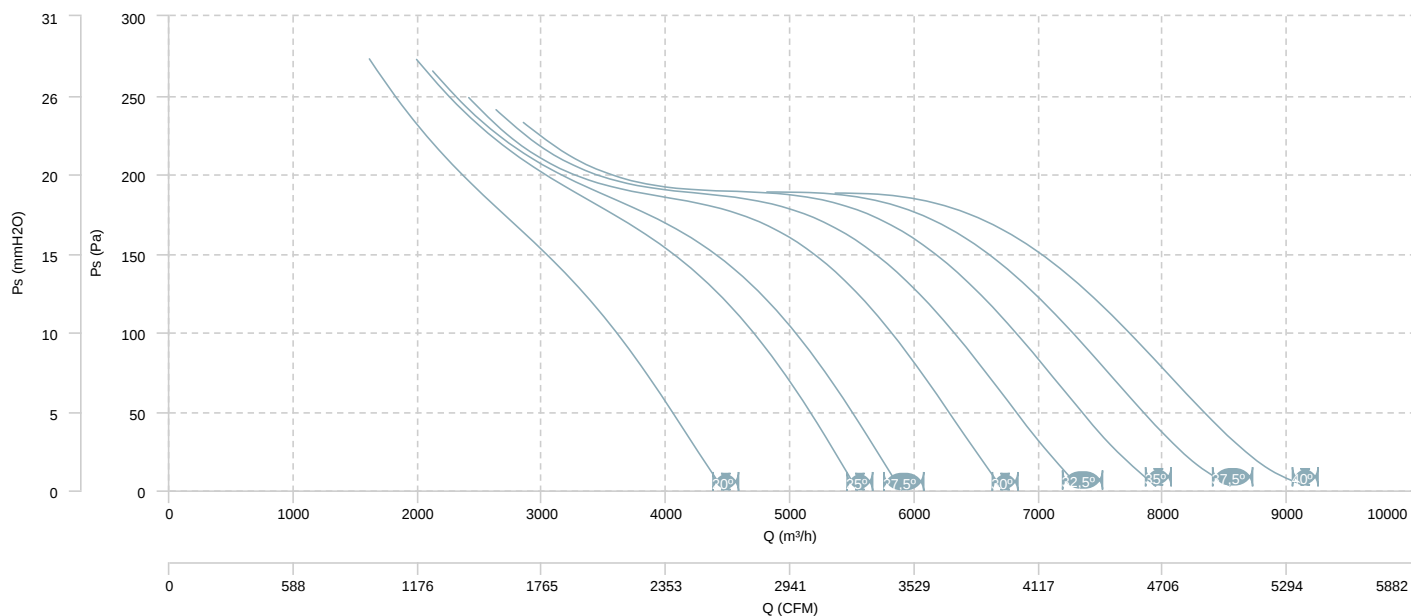


AIR FLOW - MECHANICAL POWER

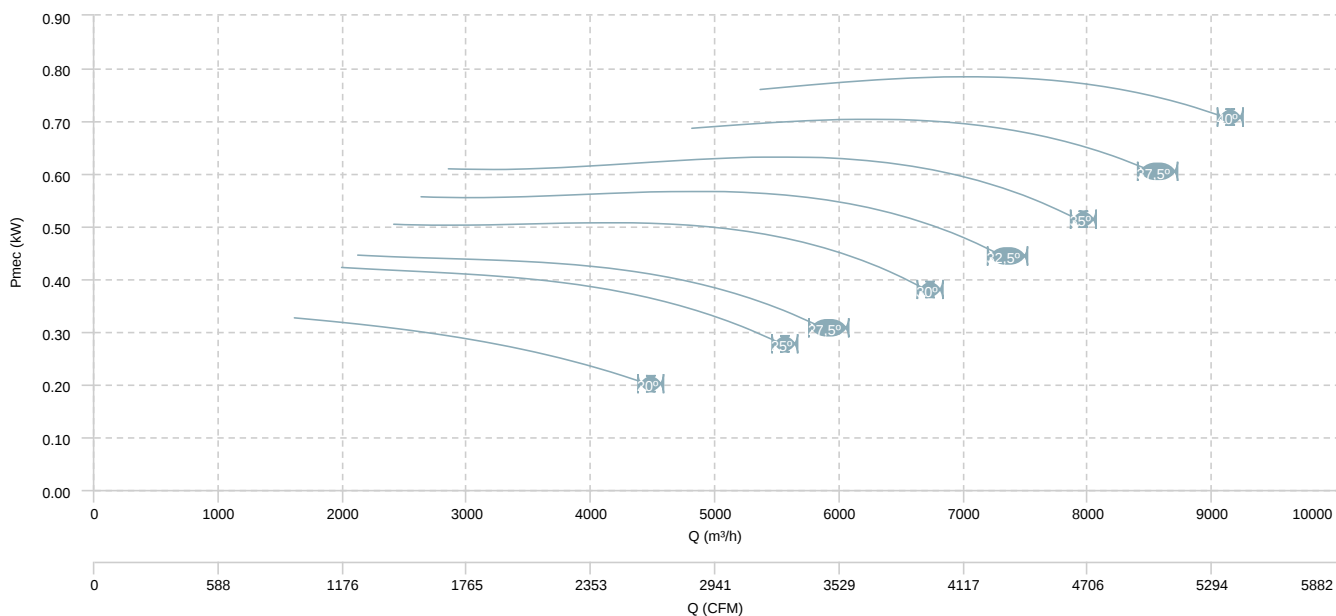


BOX HBF 50 T4 (A2:9) F300

AIR FLOW - PRESSURE

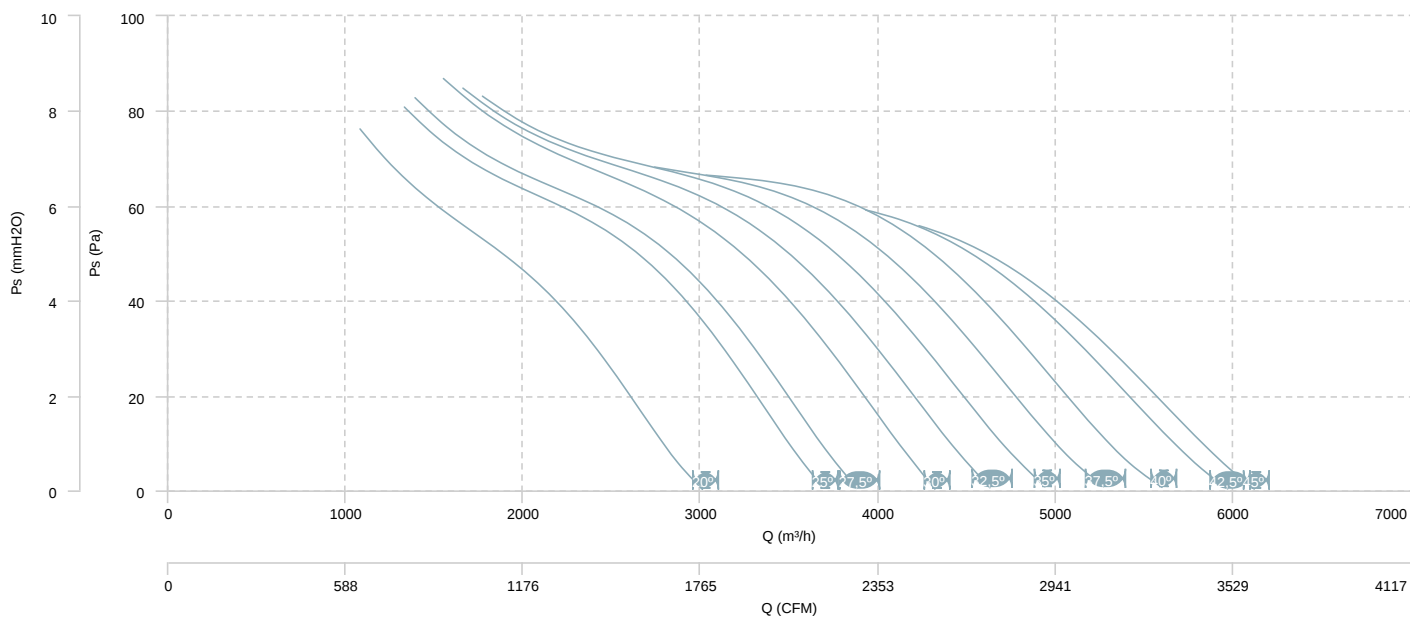


AIR FLOW - MECHANICAL POWER

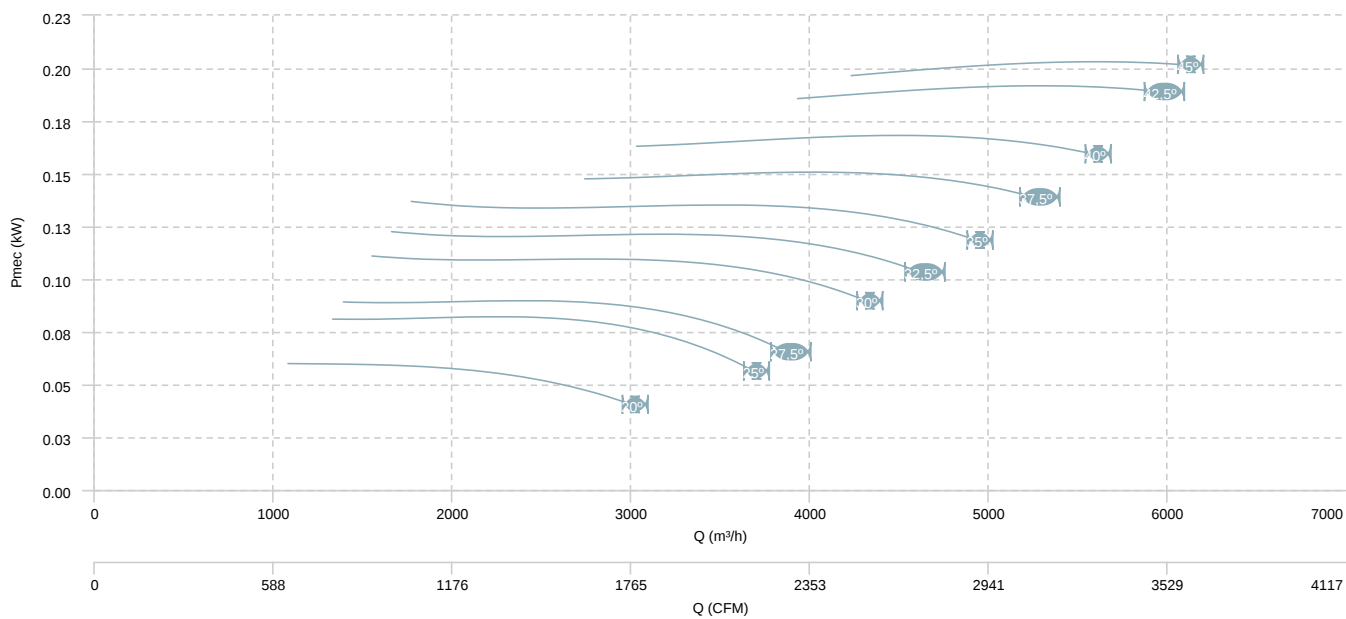


BOX HBF 50 T6 (A2:6) F300

AIR FLOW - PRESSURE

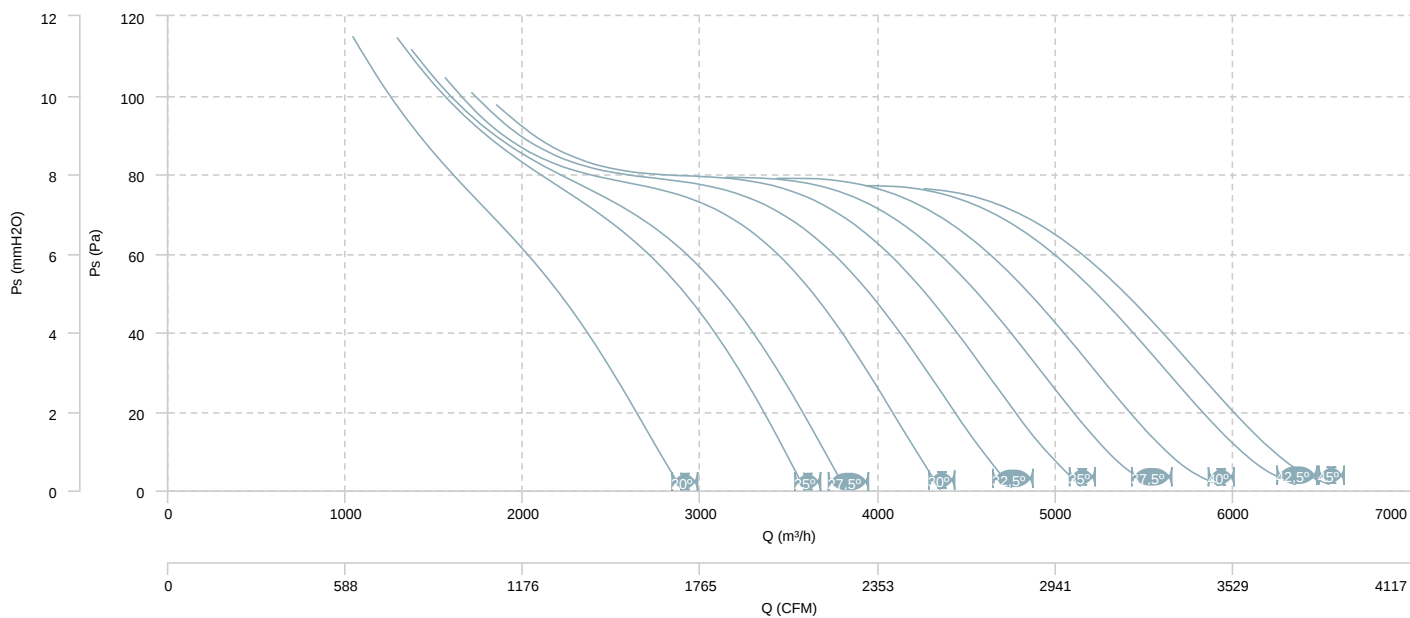


AIR FLOW - MECHANICAL POWER

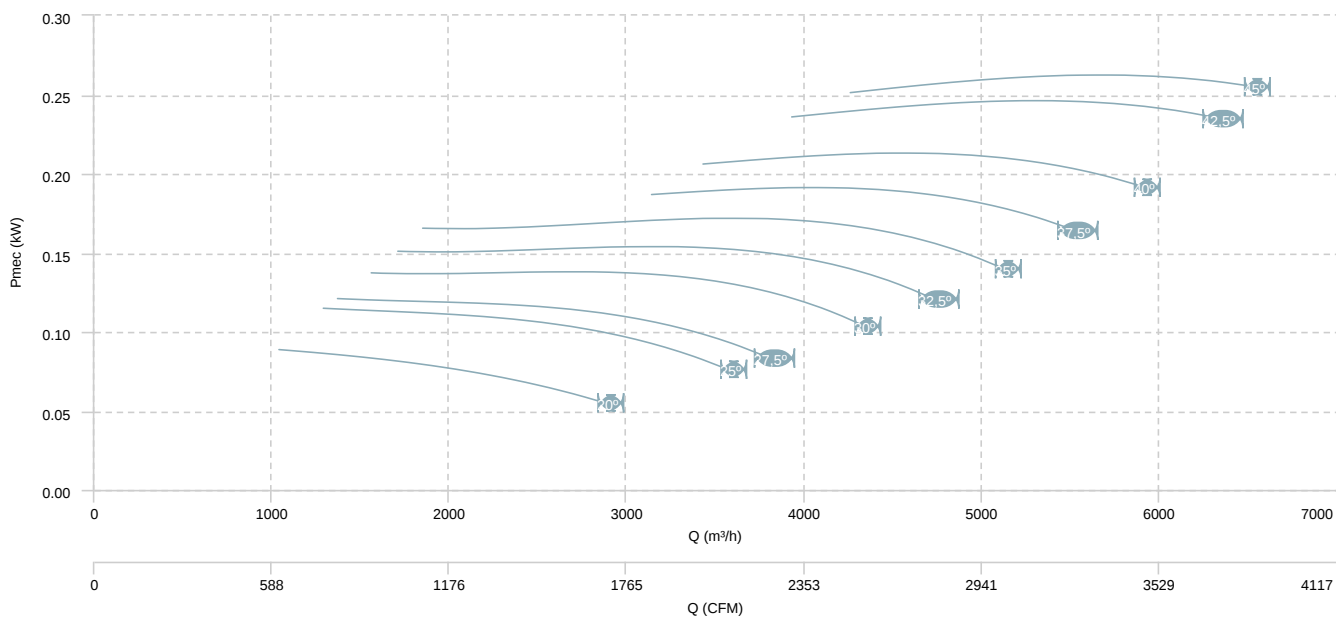


BOX HBF 50 T6 (A2:9) F300

AIR FLOW - PRESSURE

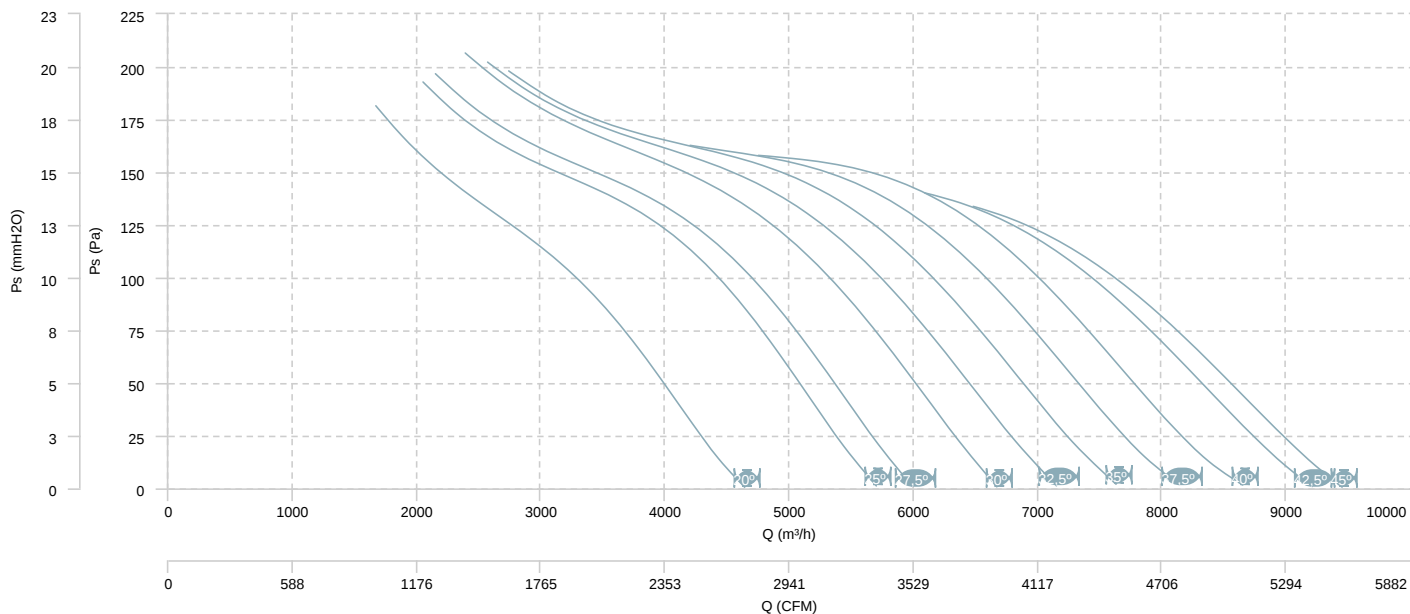


AIR FLOW - MECHANICAL POWER

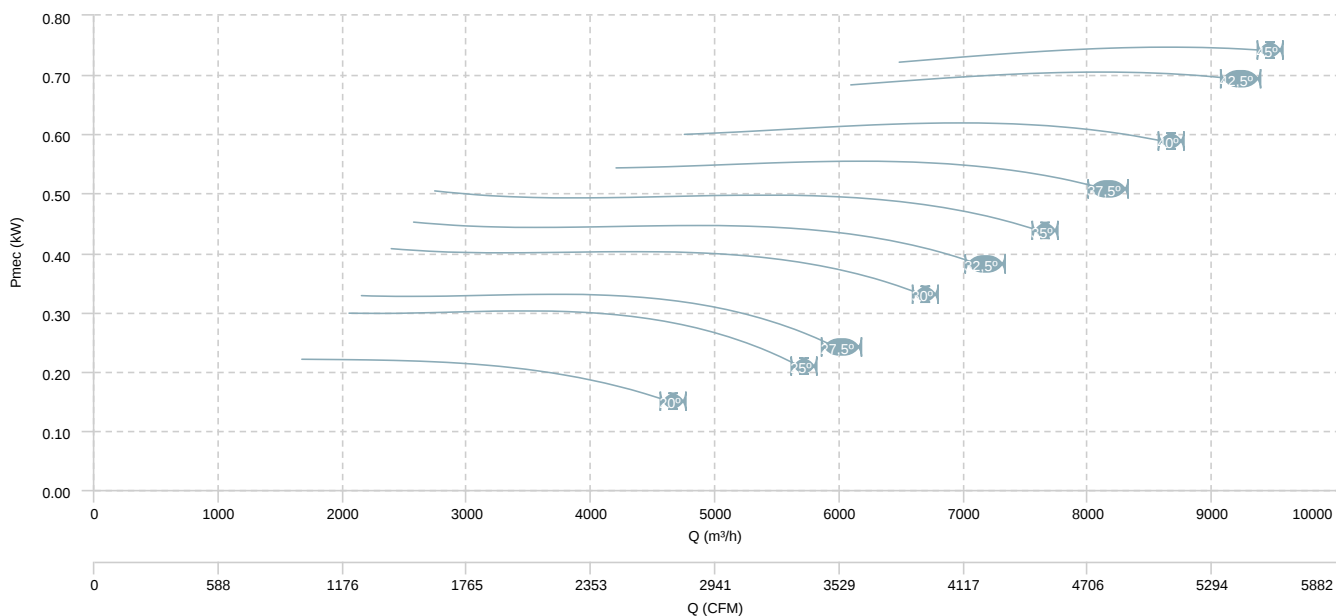


BOX HBF 50 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (4 poles)

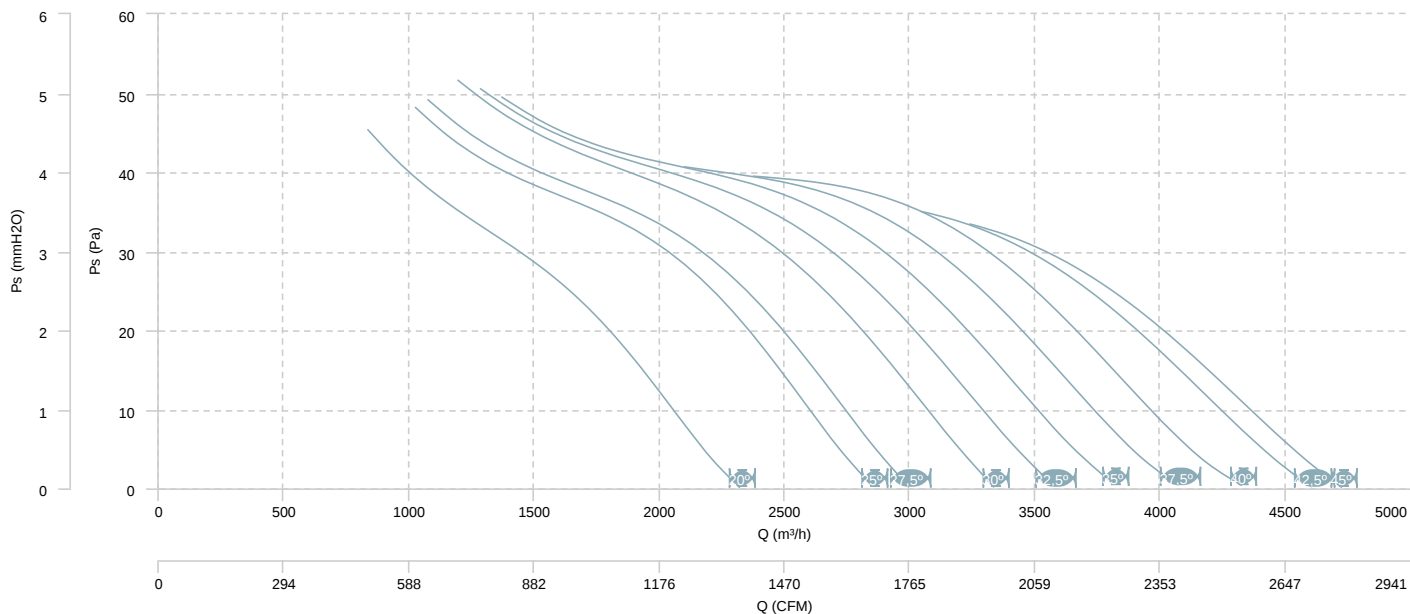


AIR FLOW - MECHANICAL POWER (4 poles)

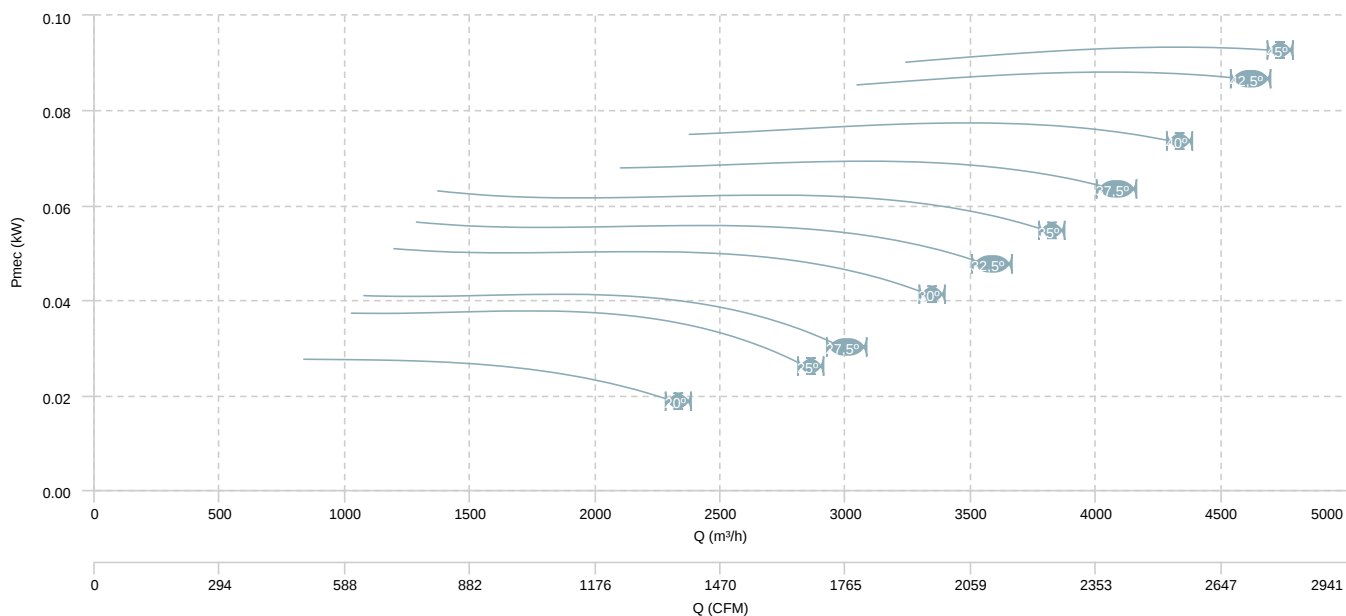


BOX HBF 50 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (8 poles)

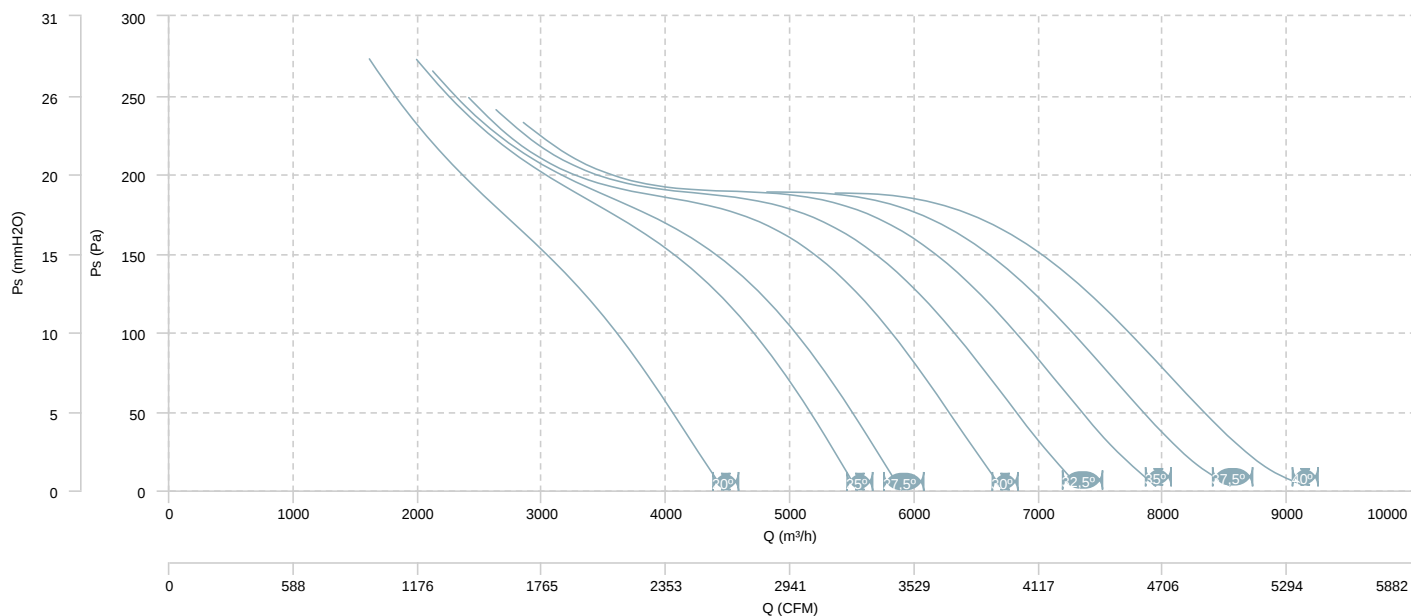


AIR FLOW - MECHANICAL POWER (8 poles)

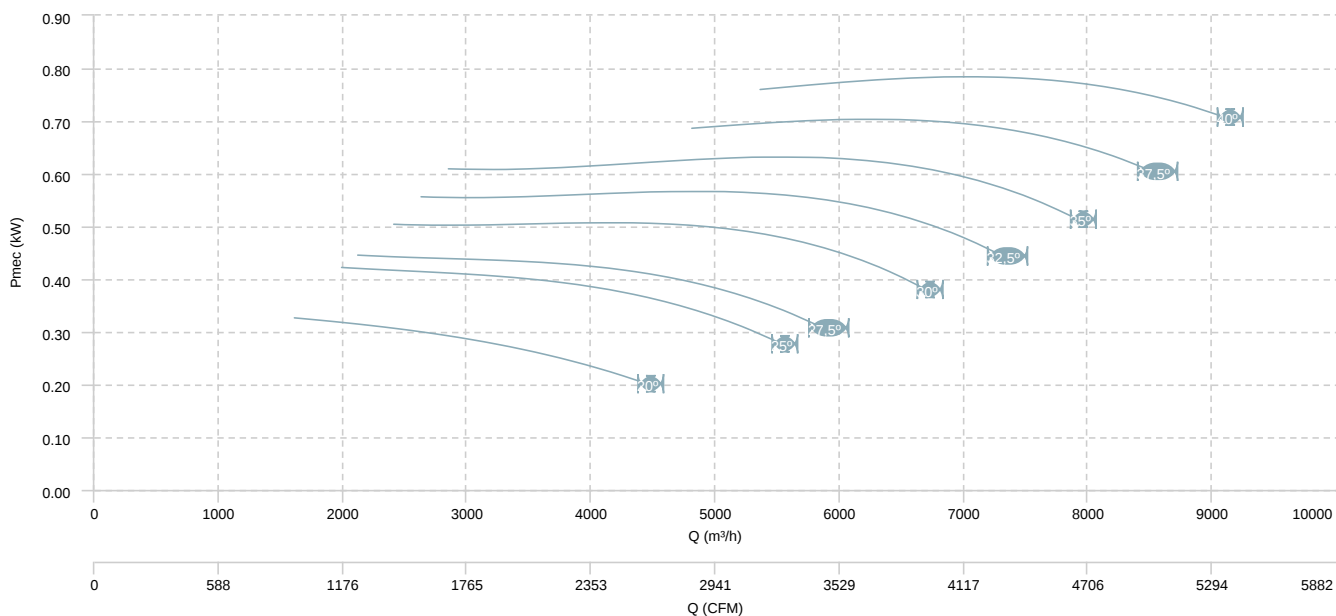


BOX HBF 50 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (4 poles)

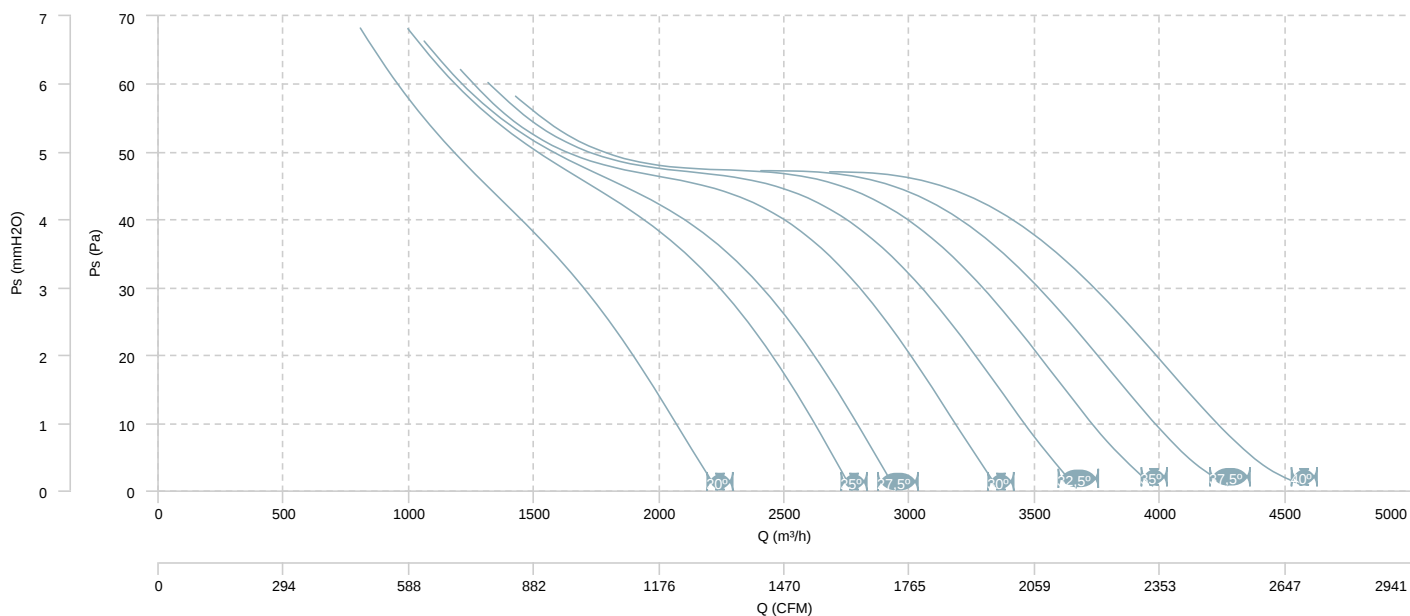


AIR FLOW - MECHANICAL POWER (4 poles)

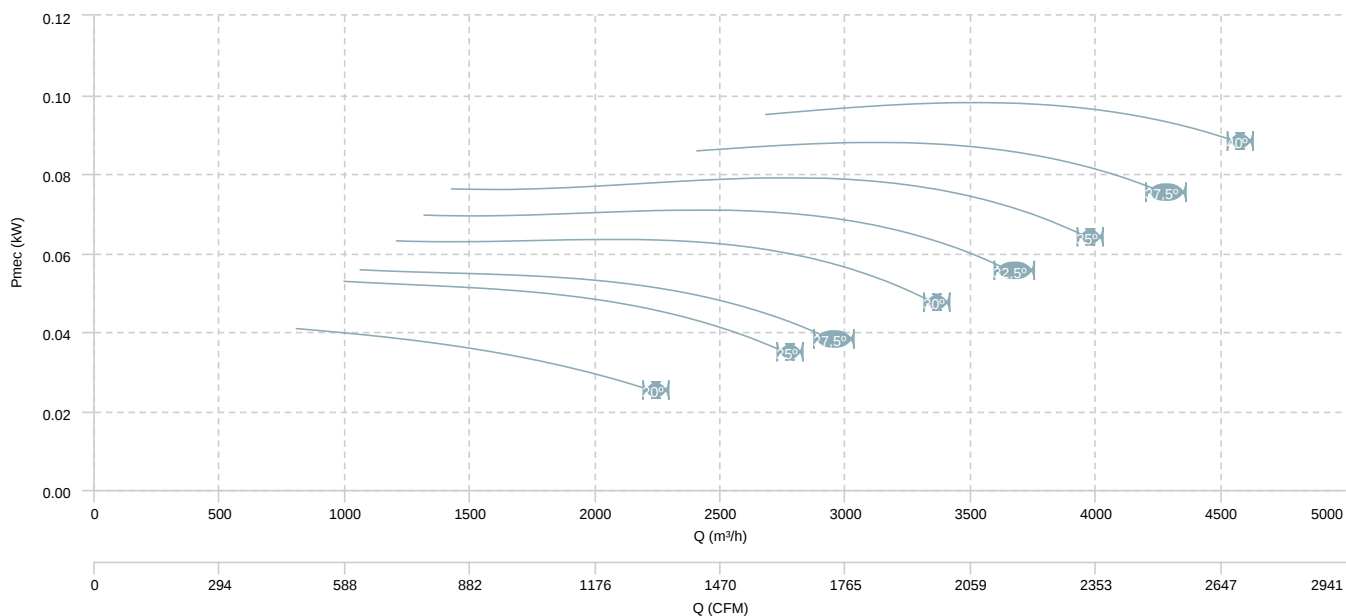


BOX HBF 50 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (8 poles)

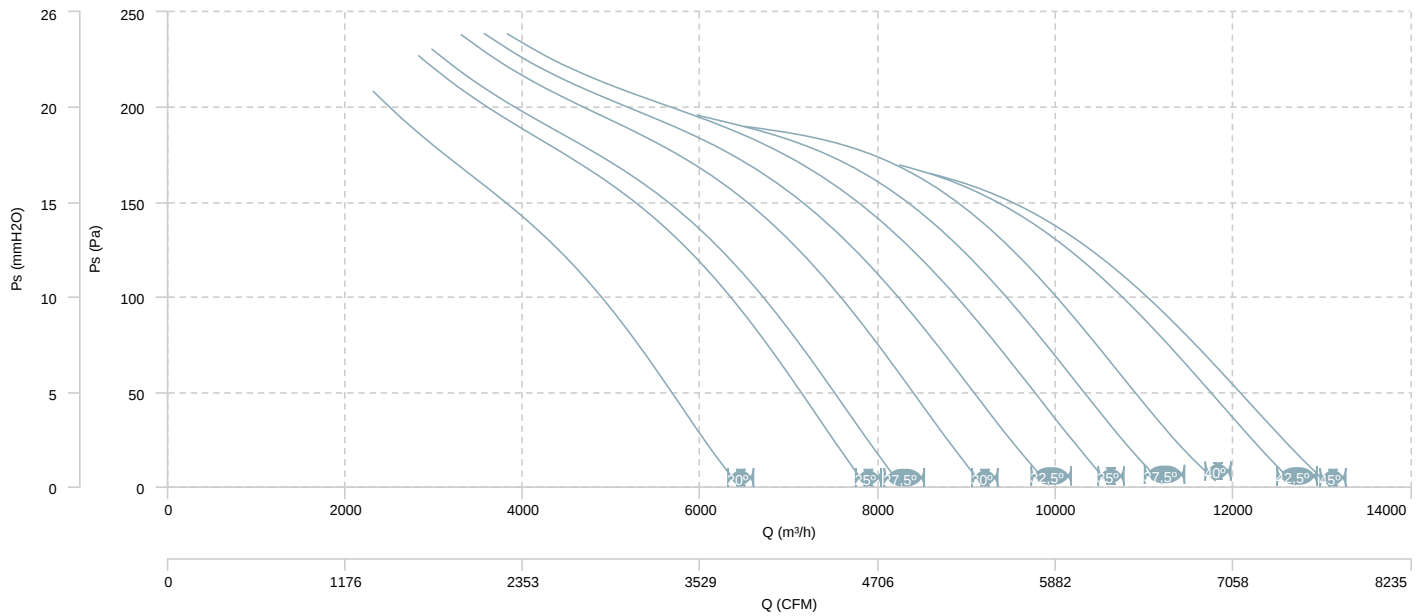


AIR FLOW - MECHANICAL POWER (8 poles)

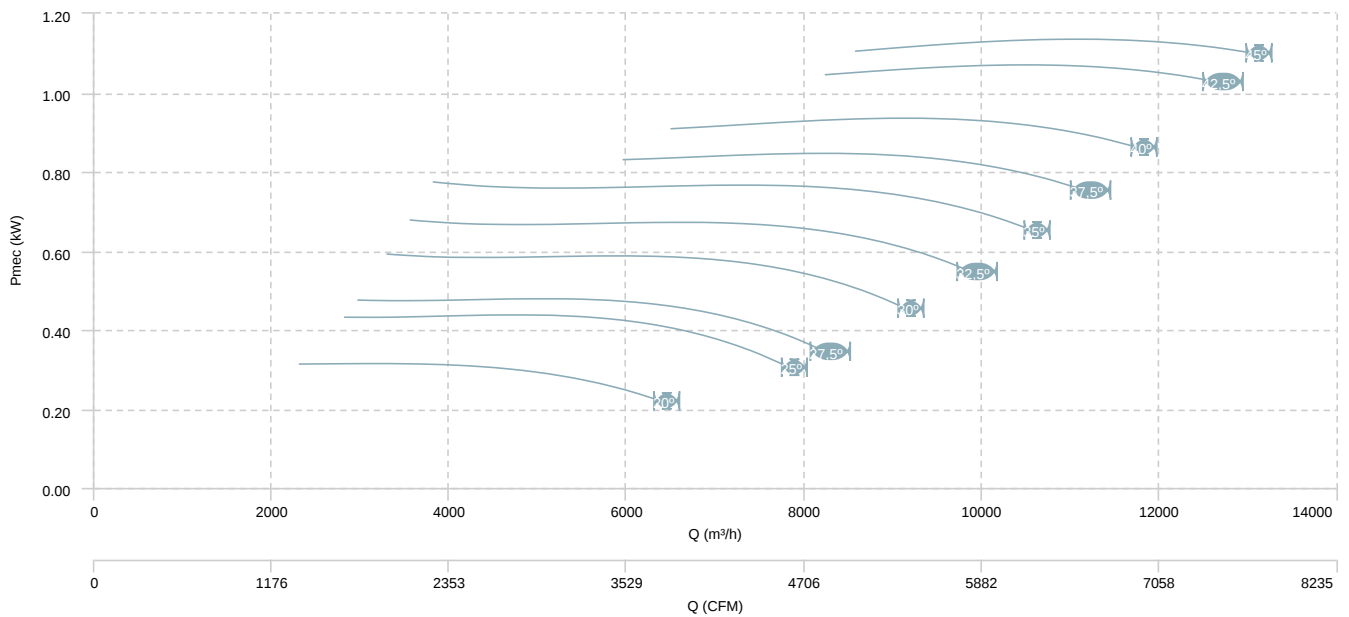


BOX HBF 56 T4 (A2:6) F300

AIR FLOW - PRESSURE

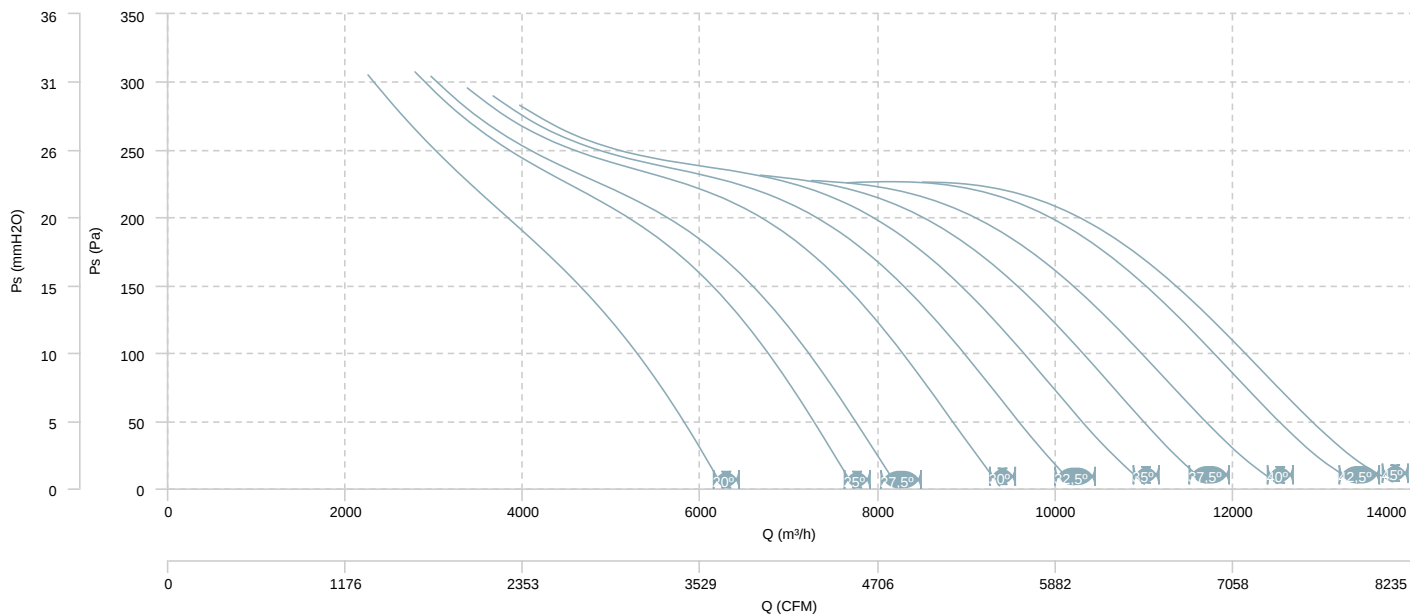


AIR FLOW - MECHANICAL POWER

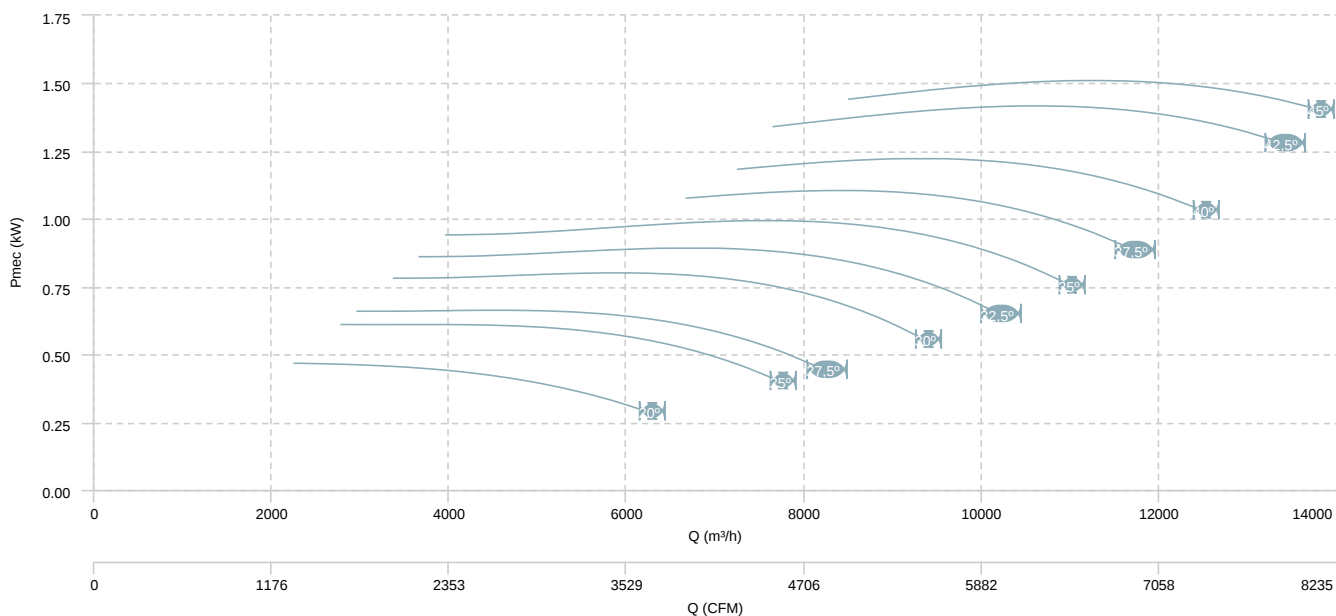


BOX HBF 56 T4 (A2:9) F300

AIR FLOW - PRESSURE

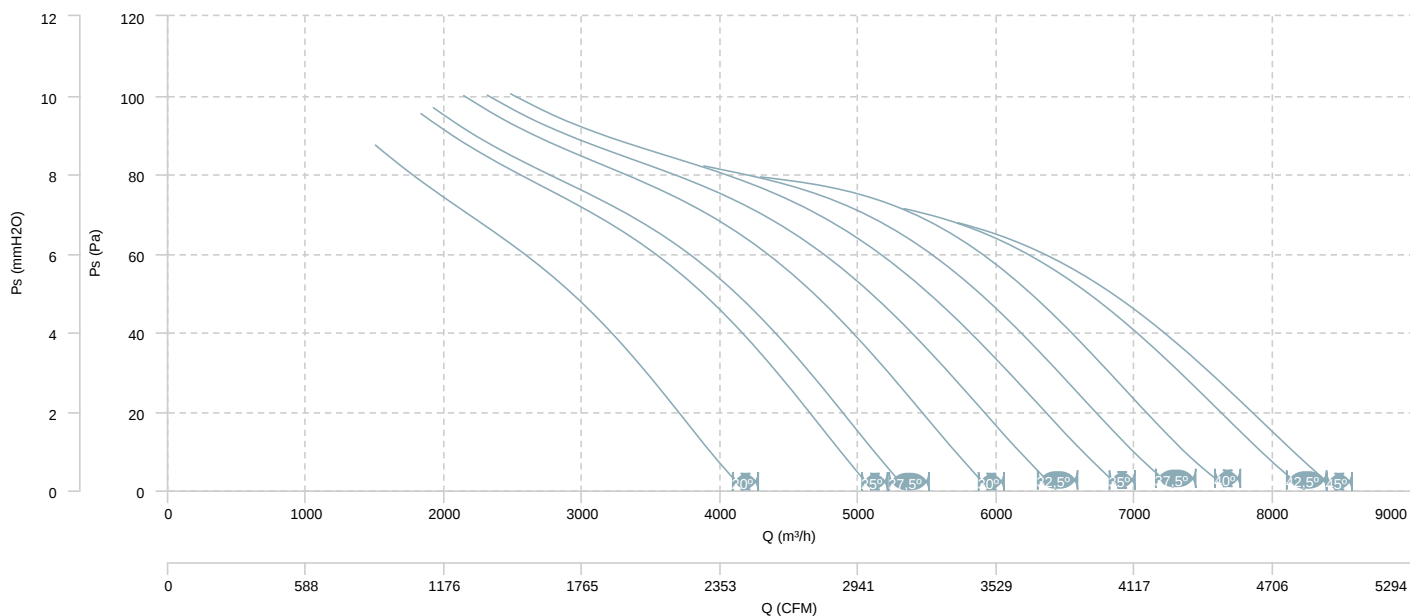


AIR FLOW - MECHANICAL POWER

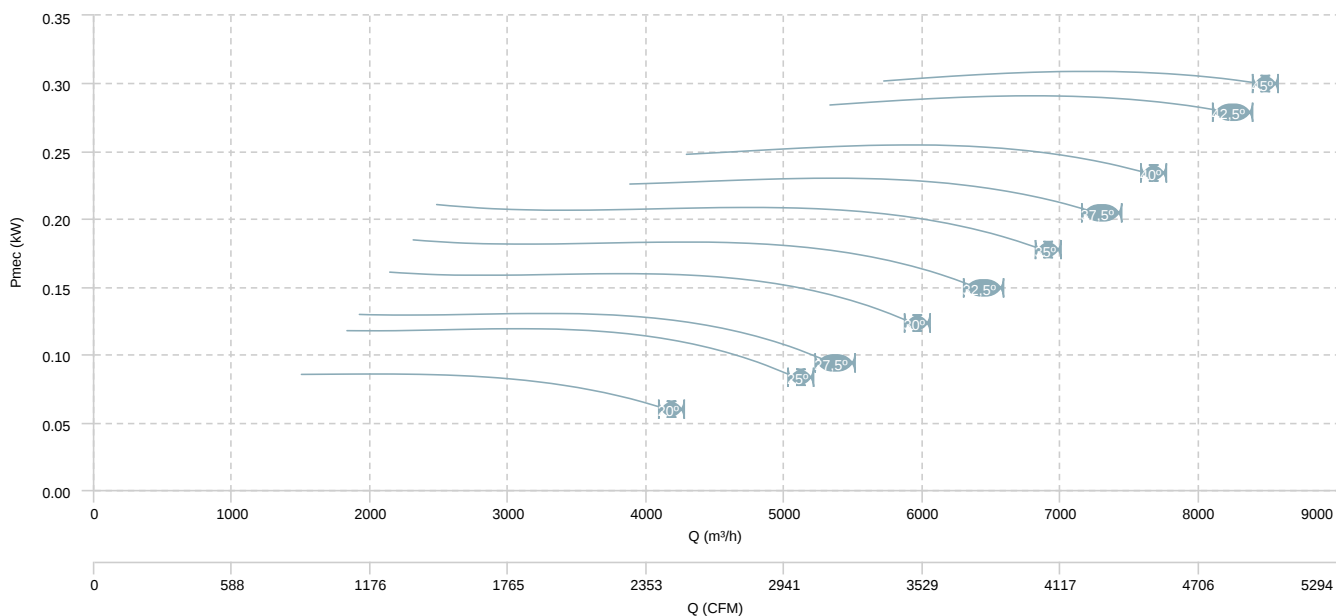


BOX HBF 56 T6 (A2:6) F300

AIR FLOW - PRESSURE

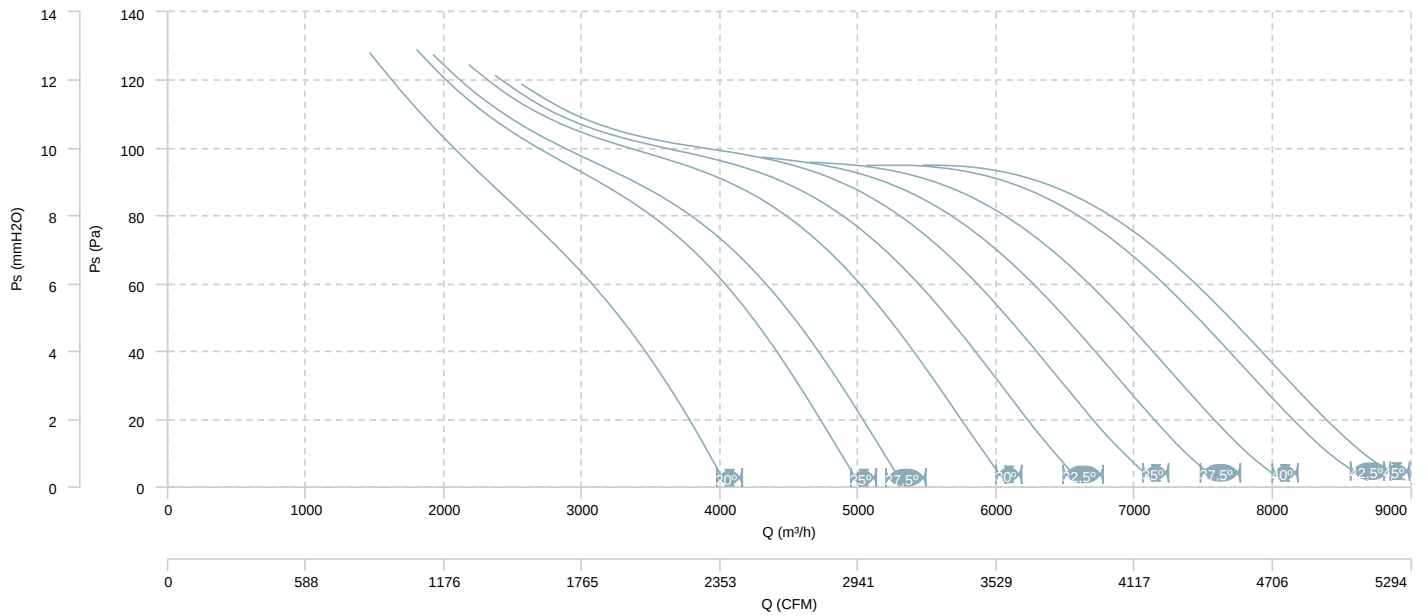


AIR FLOW - MECHANICAL POWER

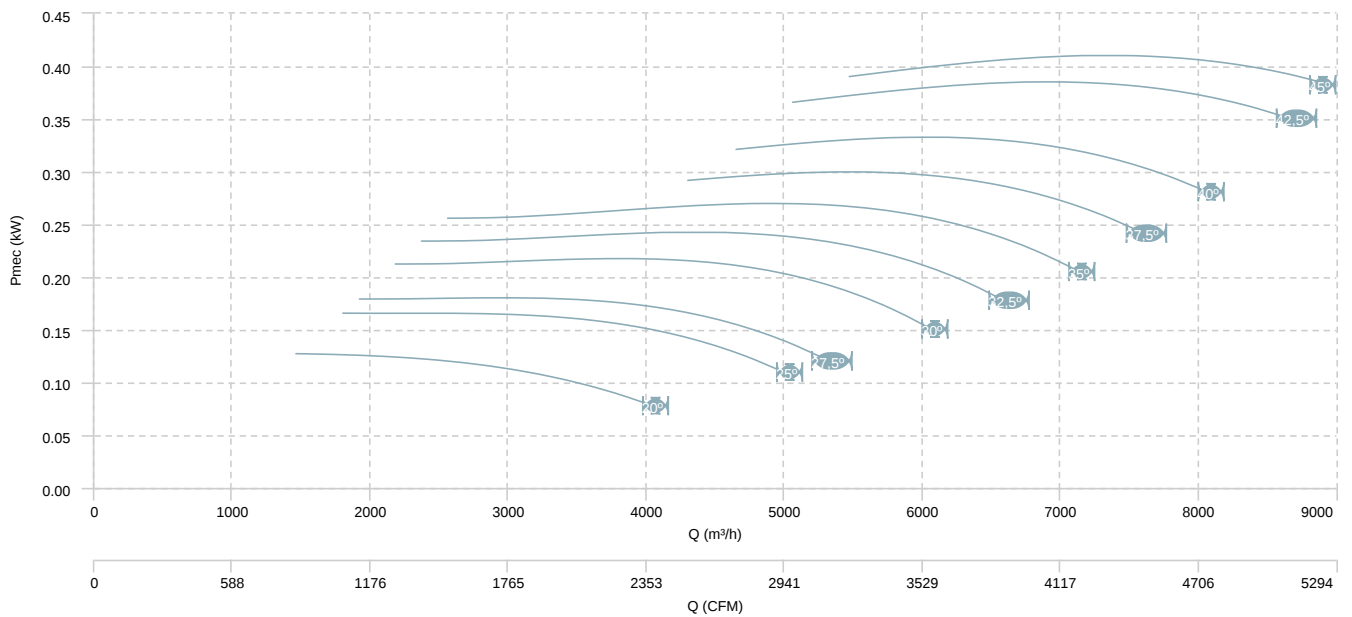


BOX HBF 56 T6 (A2:9) F300

AIR FLOW - PRESSURE

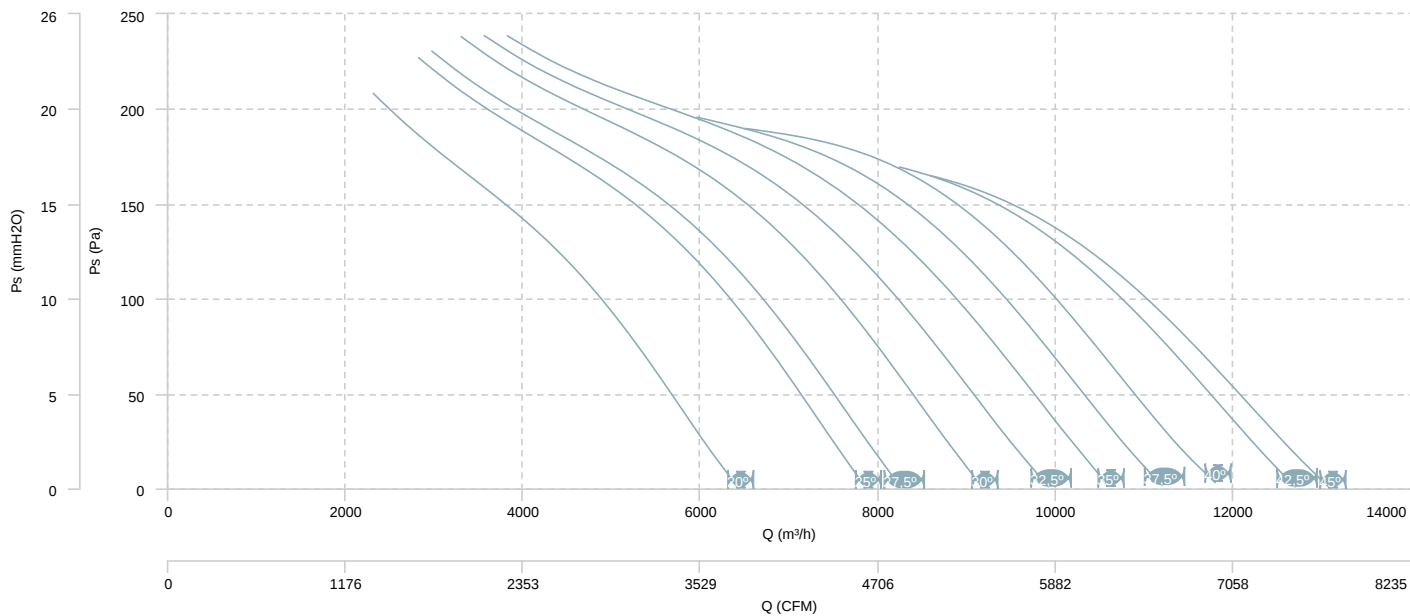


AIR FLOW - MECHANICAL POWER

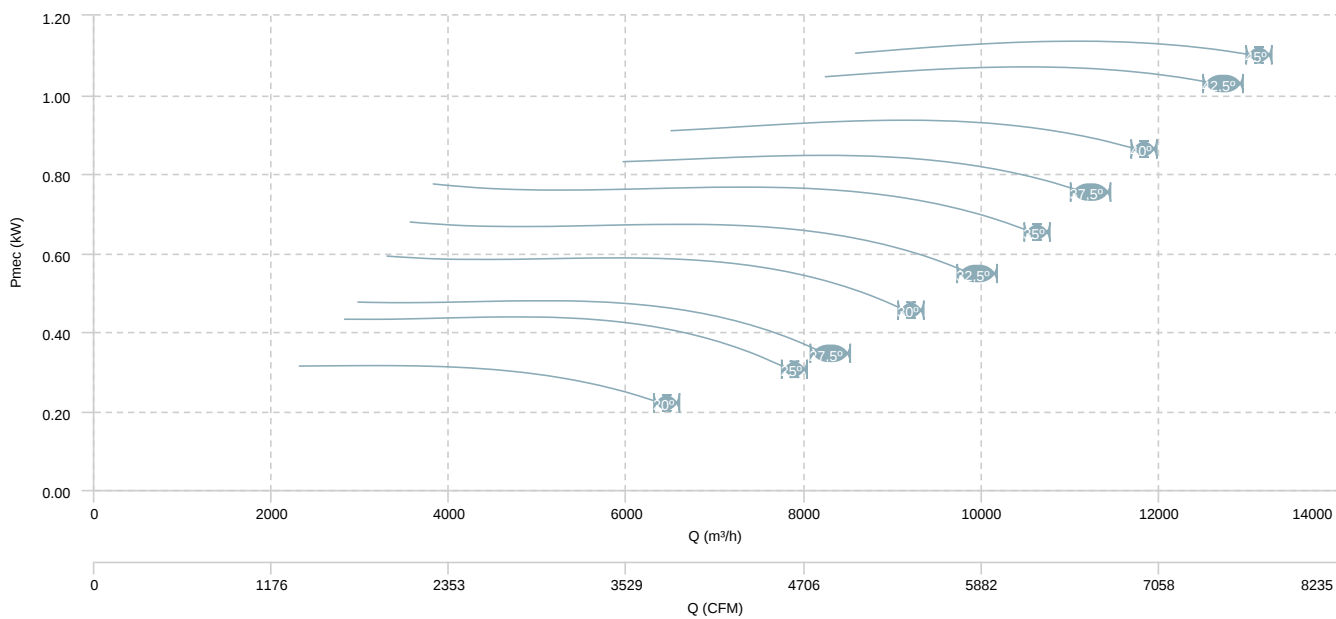


BOX HBF 56 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (4 poles)

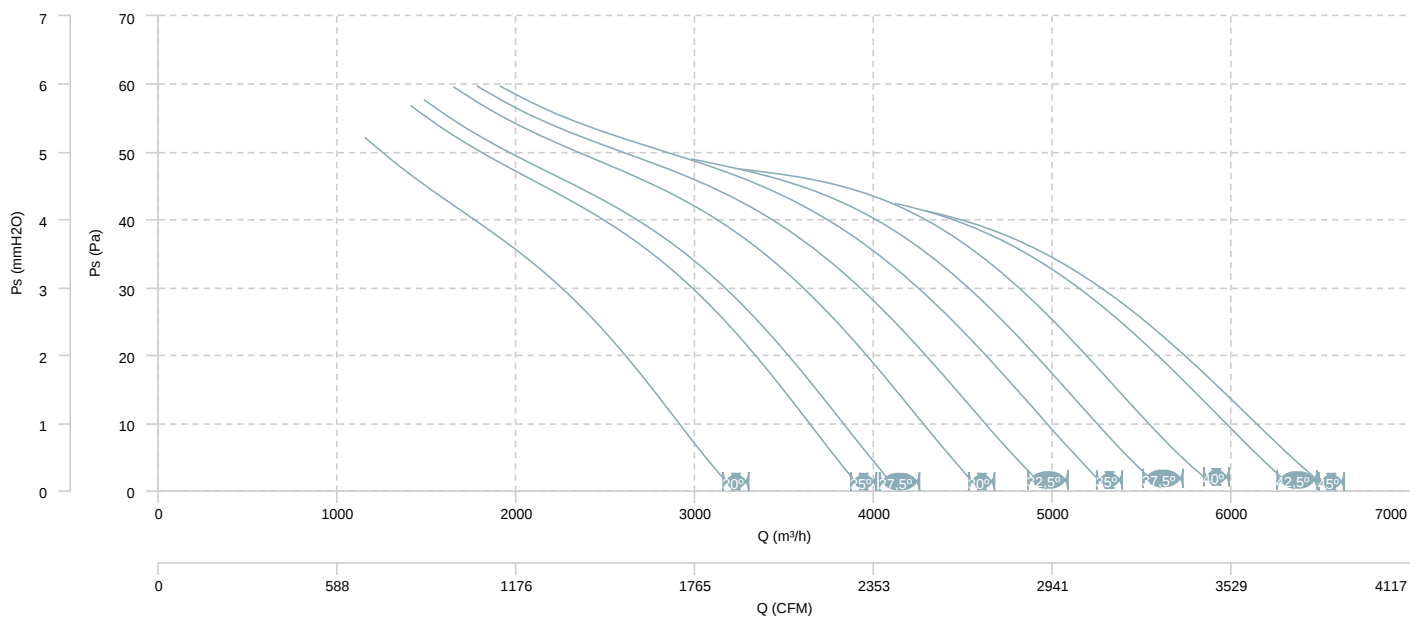


AIR FLOW - MECHANICAL POWER (4 poles)

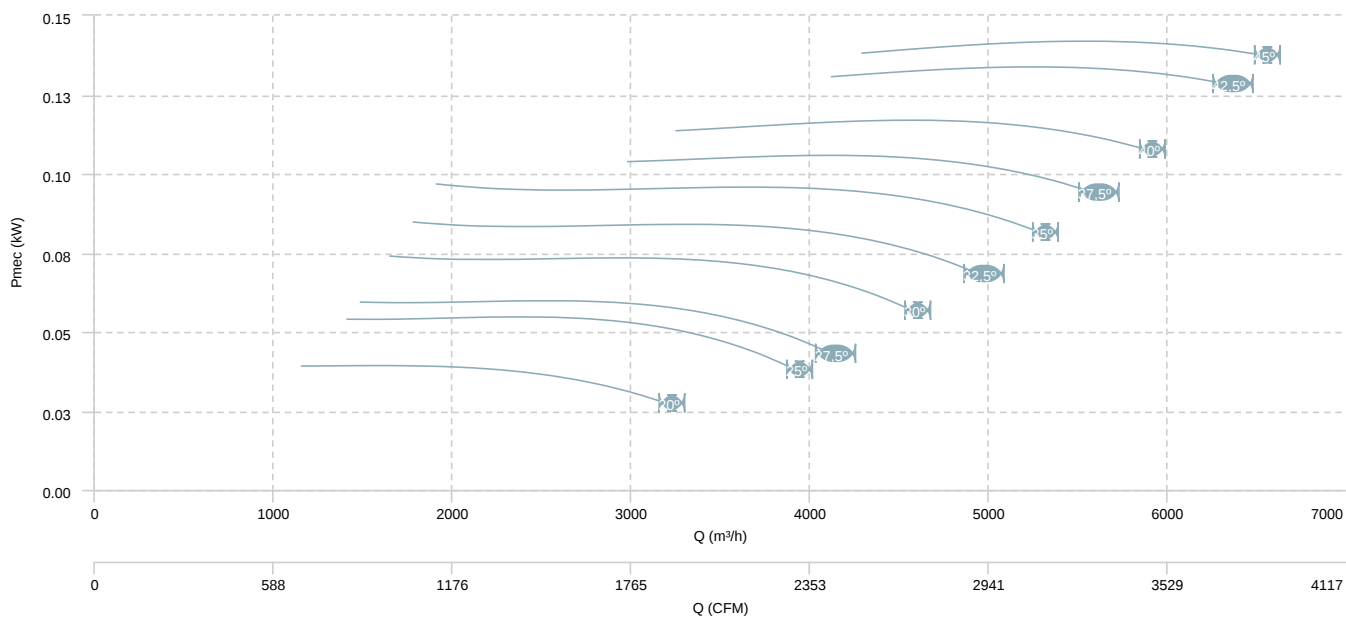


BOX HBF 56 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (8 poles)

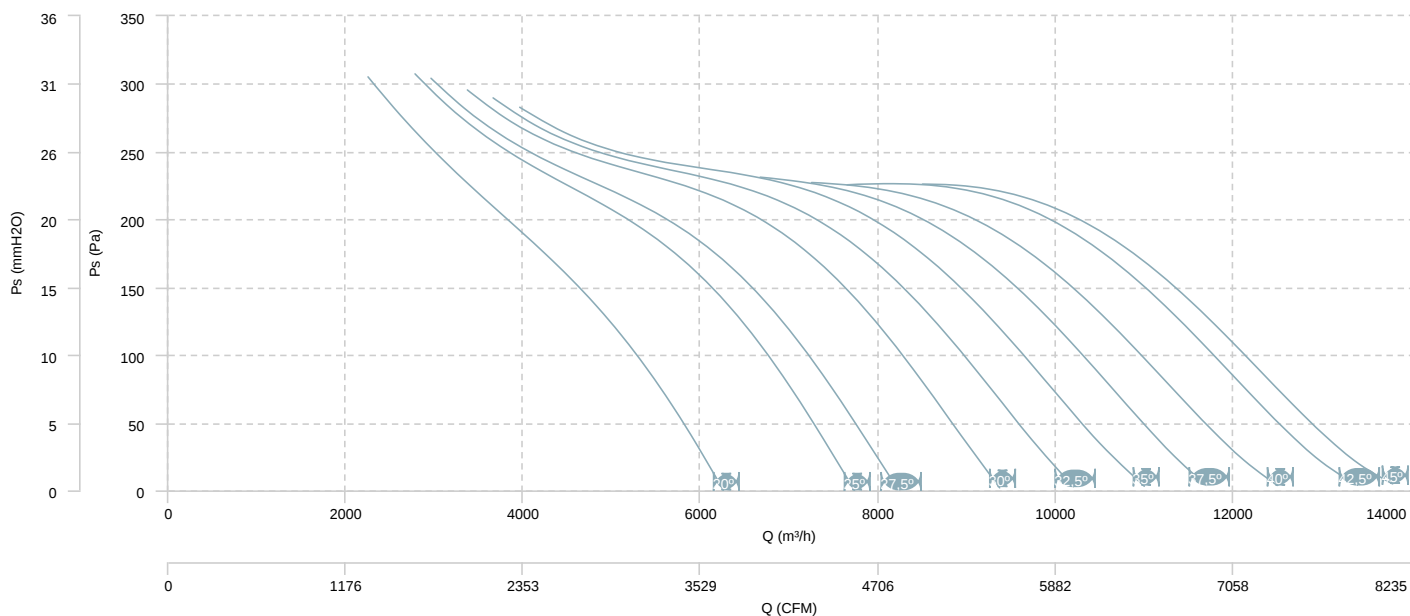


AIR FLOW - MECHANICAL POWER (8 poles)

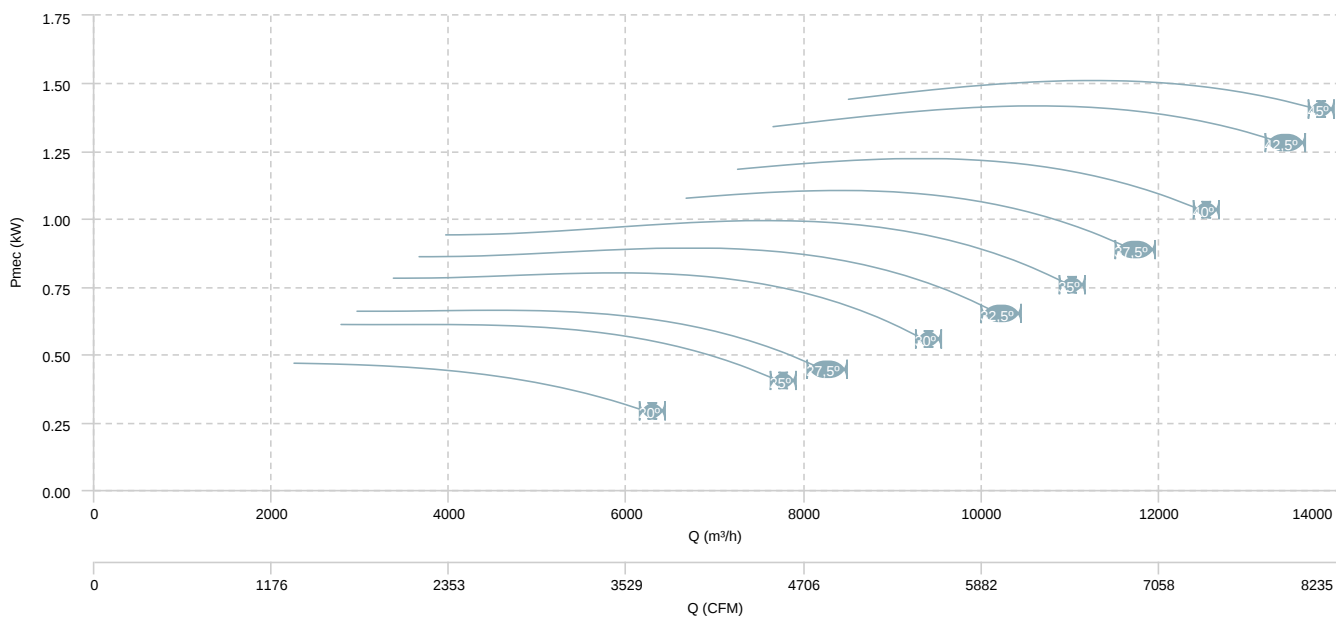


BOX HBF 56 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (4 poles)

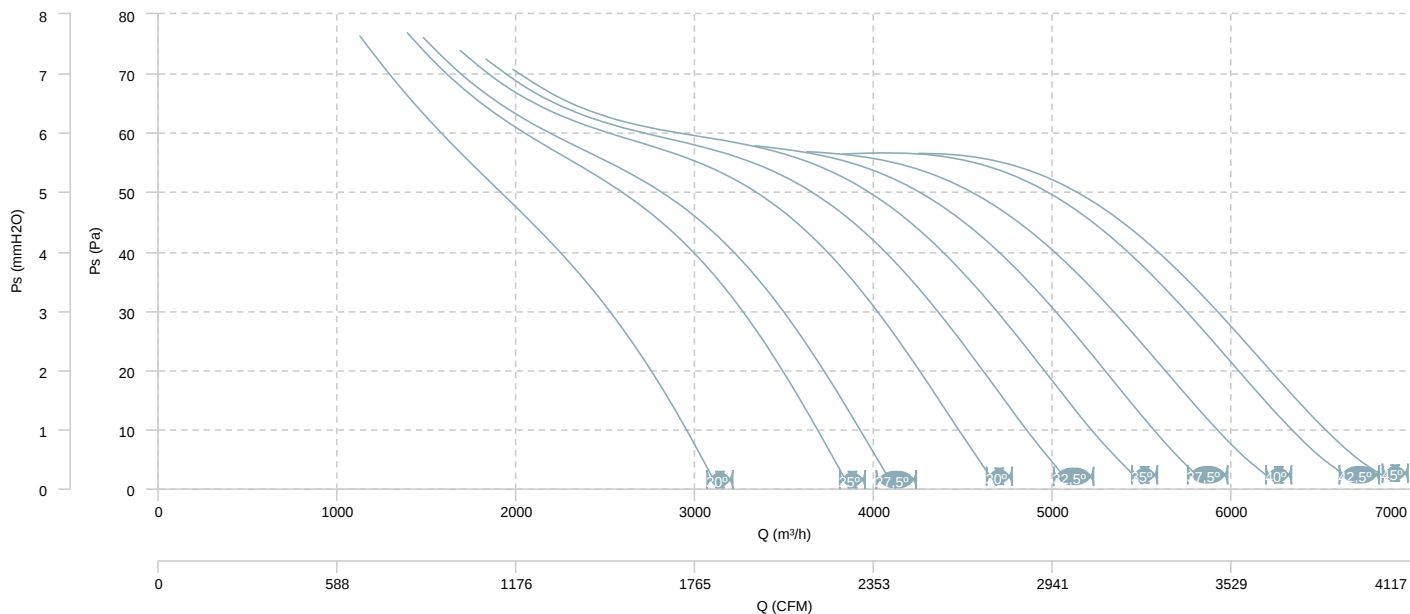


AIR FLOW - MECHANICAL POWER (4 poles)

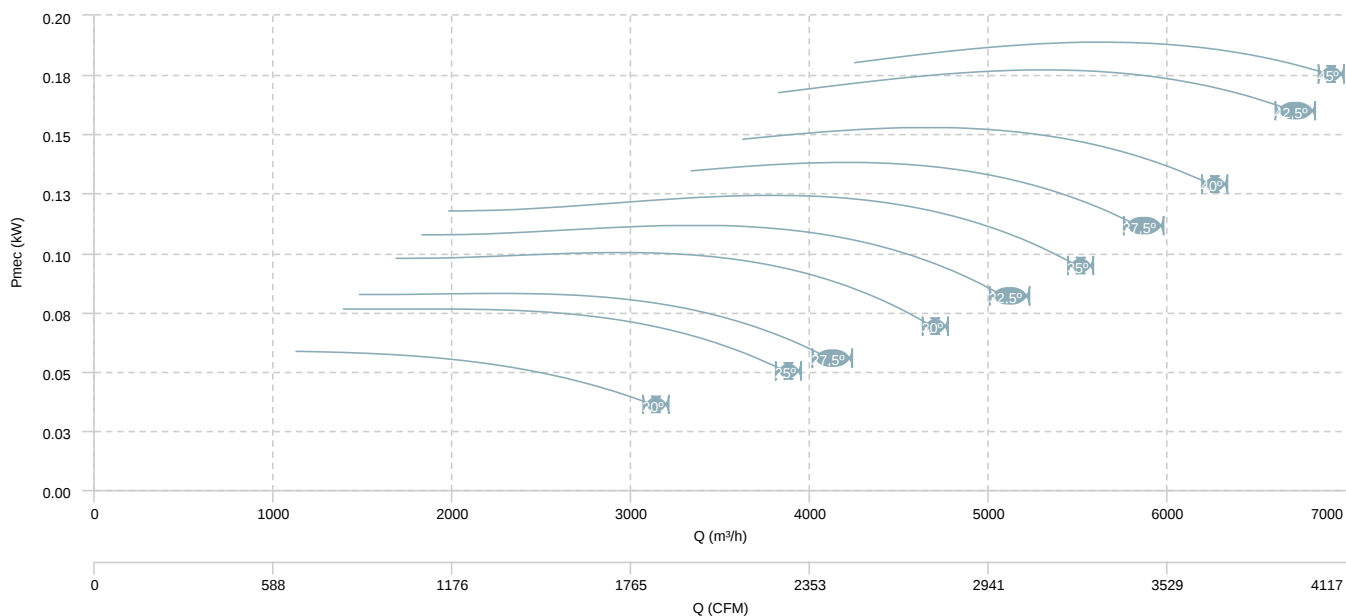


BOX HBF 56 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (8 poles)

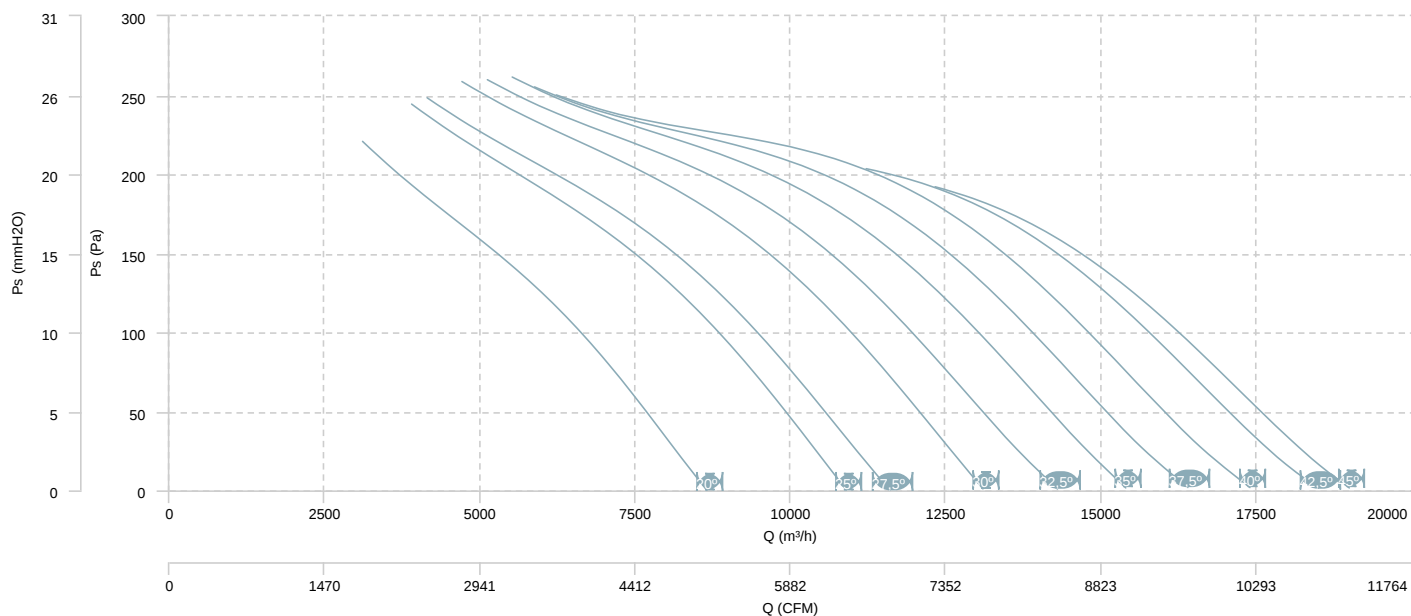


AIR FLOW - MECHANICAL POWER (8 poles)

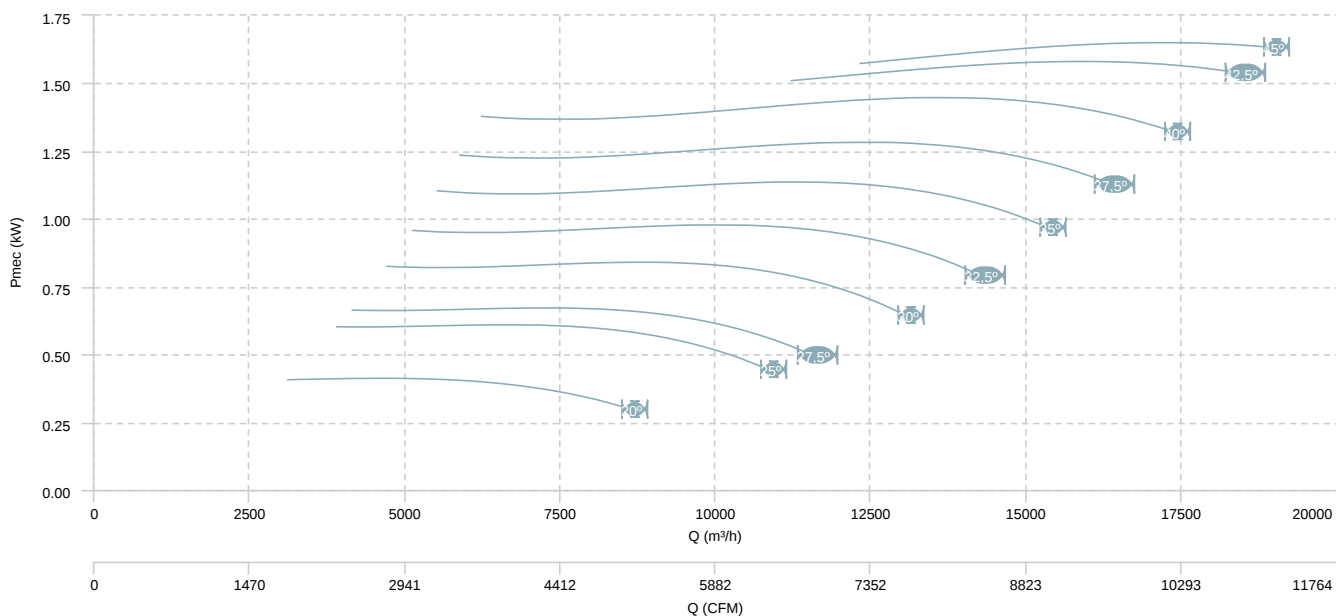


BOX HBF 63 T4 (A2:6) F300

AIR FLOW - PRESSURE

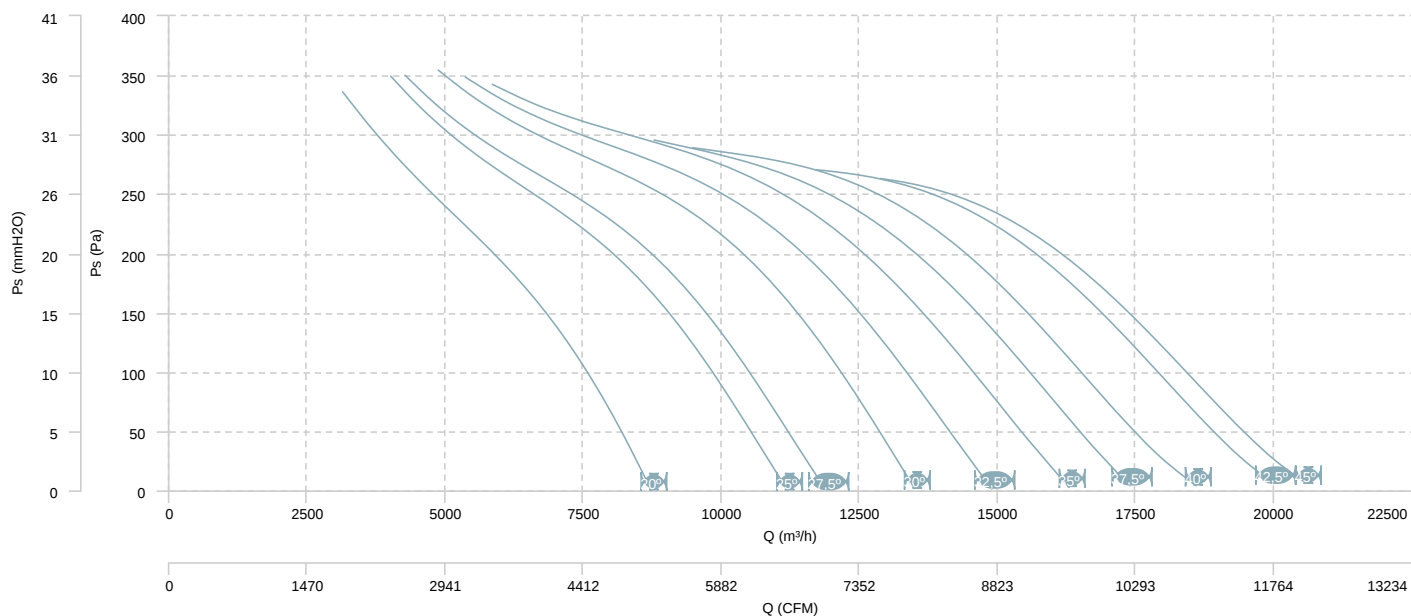


AIR FLOW - MECHANICAL POWER

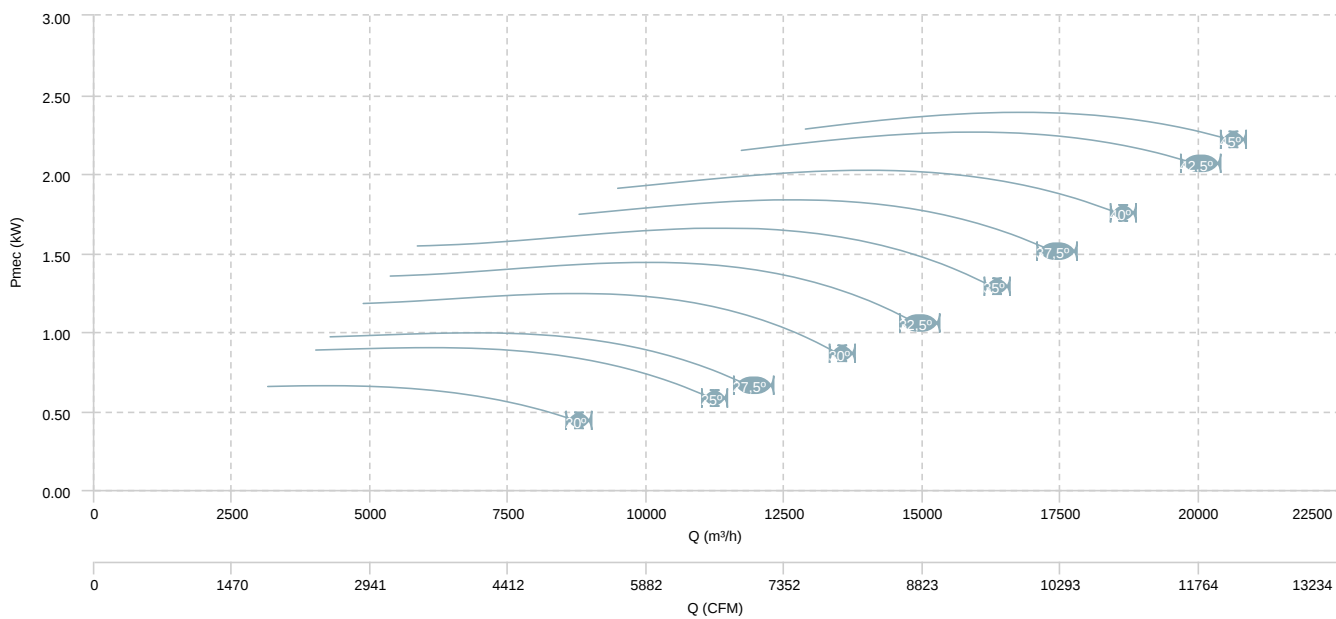


BOX HBF 63 T4 (A2:9) F300

AIR FLOW - PRESSURE

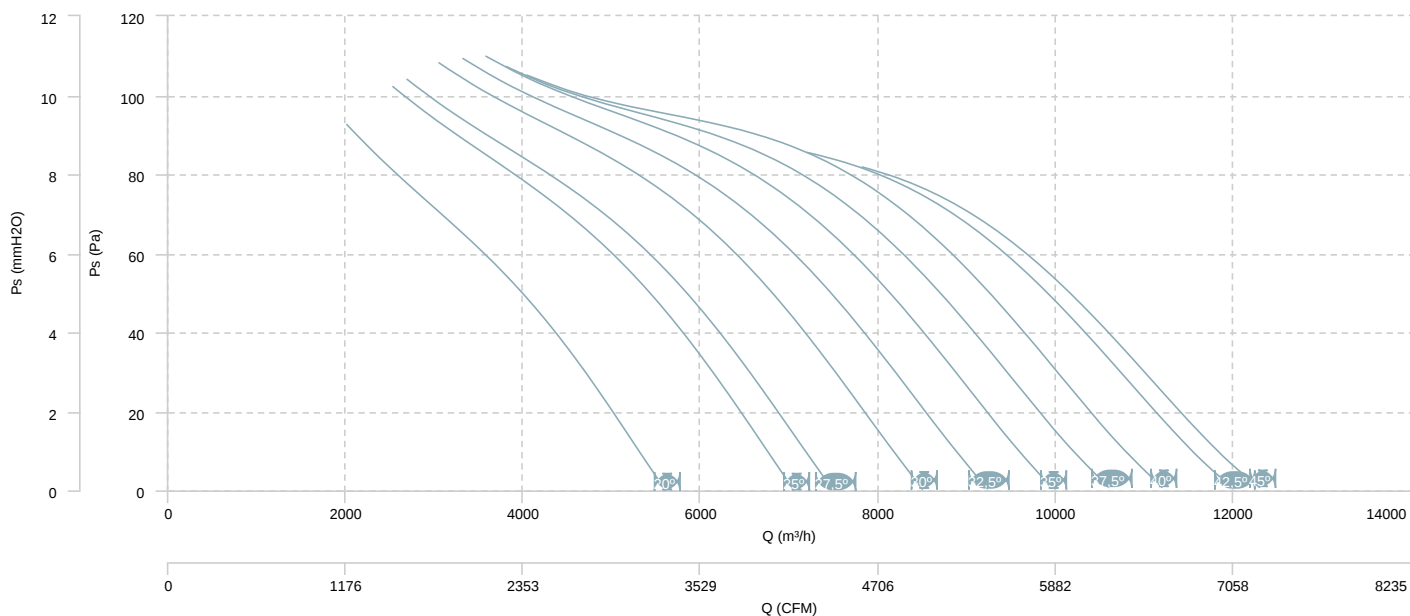


AIR FLOW - MECHANICAL POWER

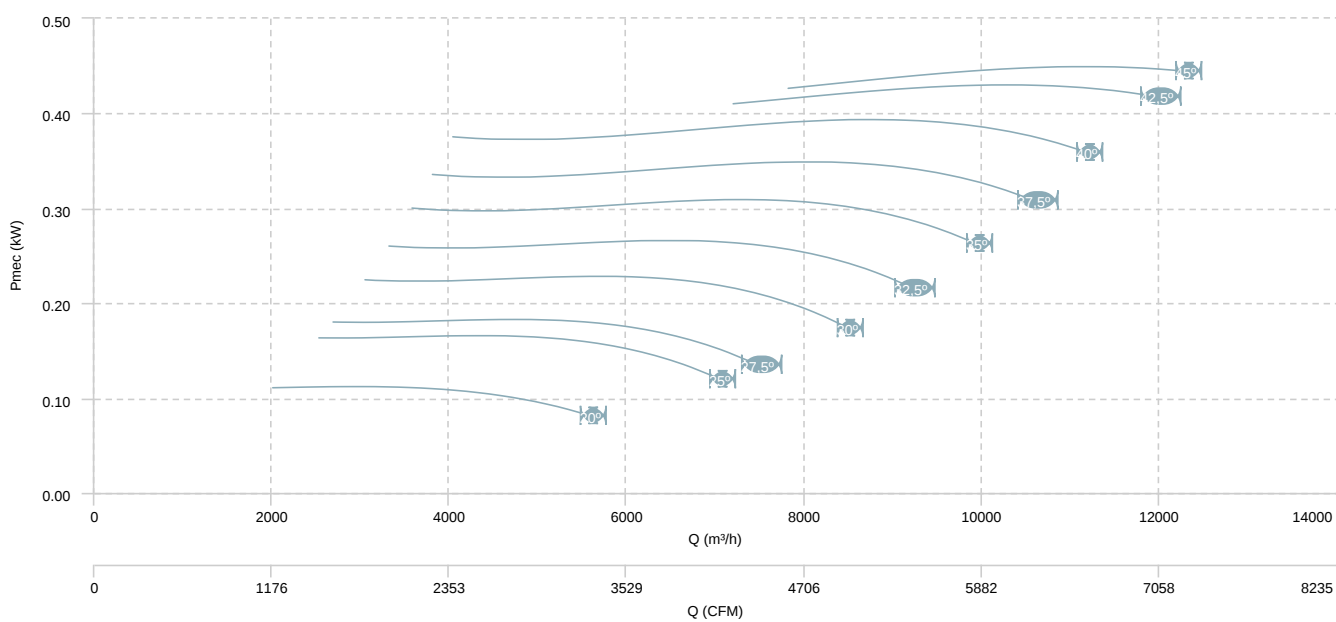


BOX HBF 63 T6 (A2:6) F300

AIR FLOW - PRESSURE

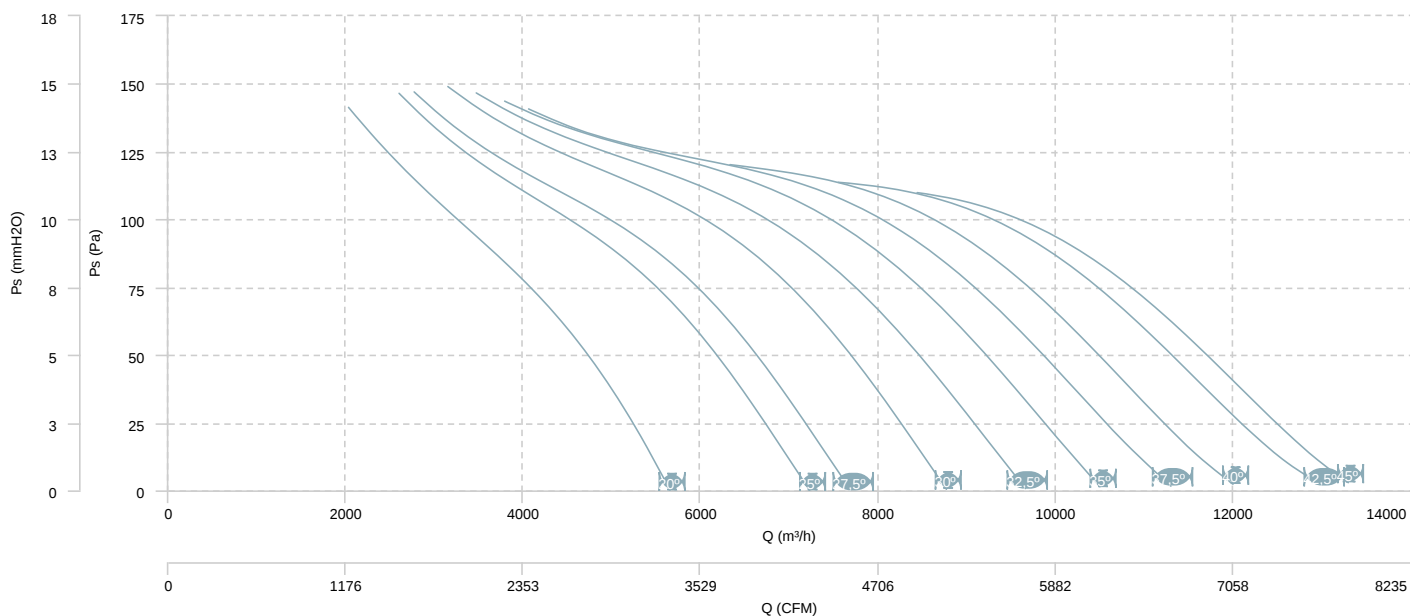


AIR FLOW - MECHANICAL POWER

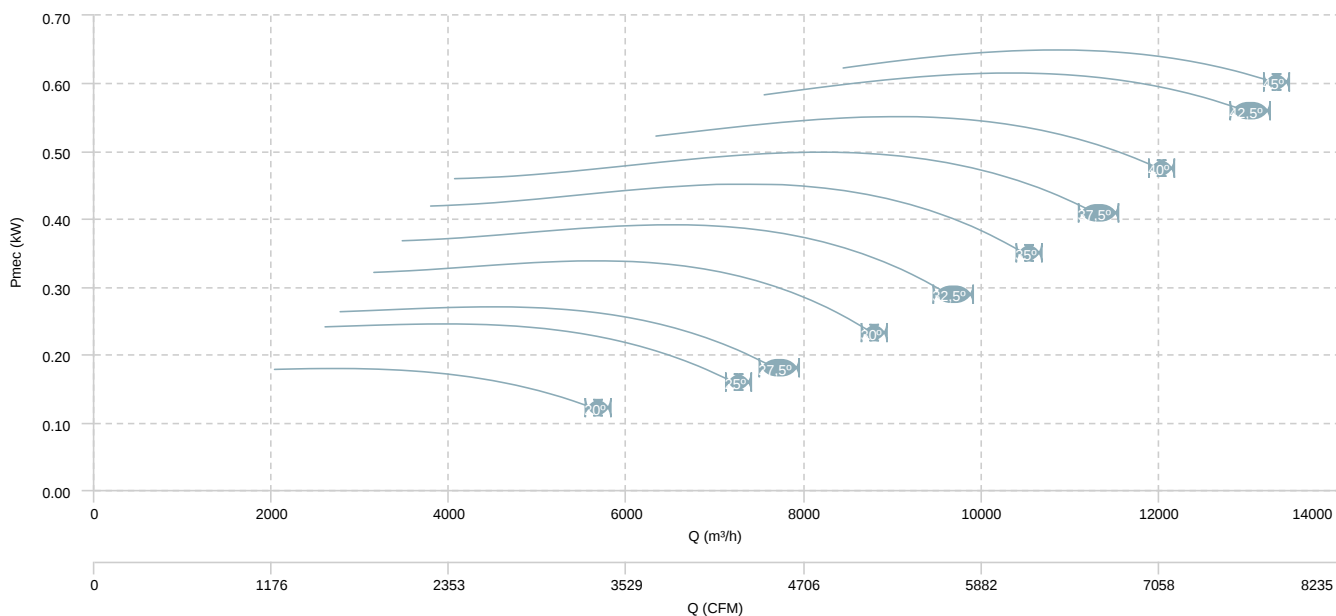


BOX HBF 63 T6 (A2:9) F300

AIR FLOW - PRESSURE

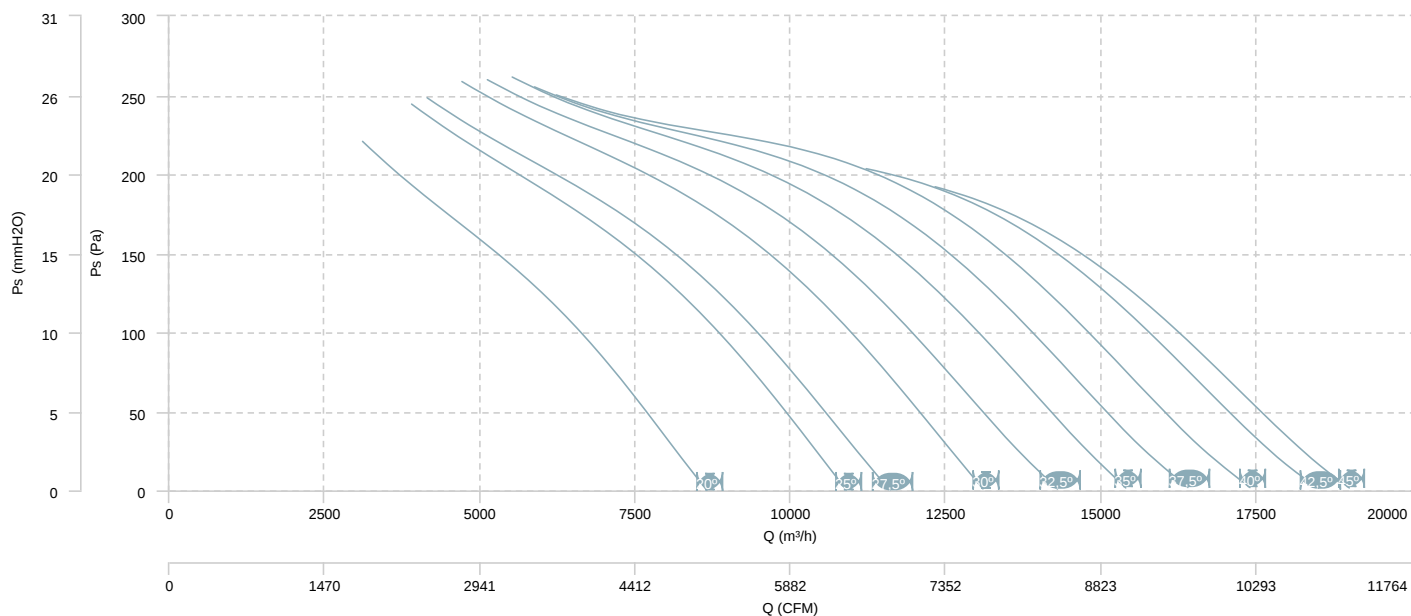


AIR FLOW - MECHANICAL POWER

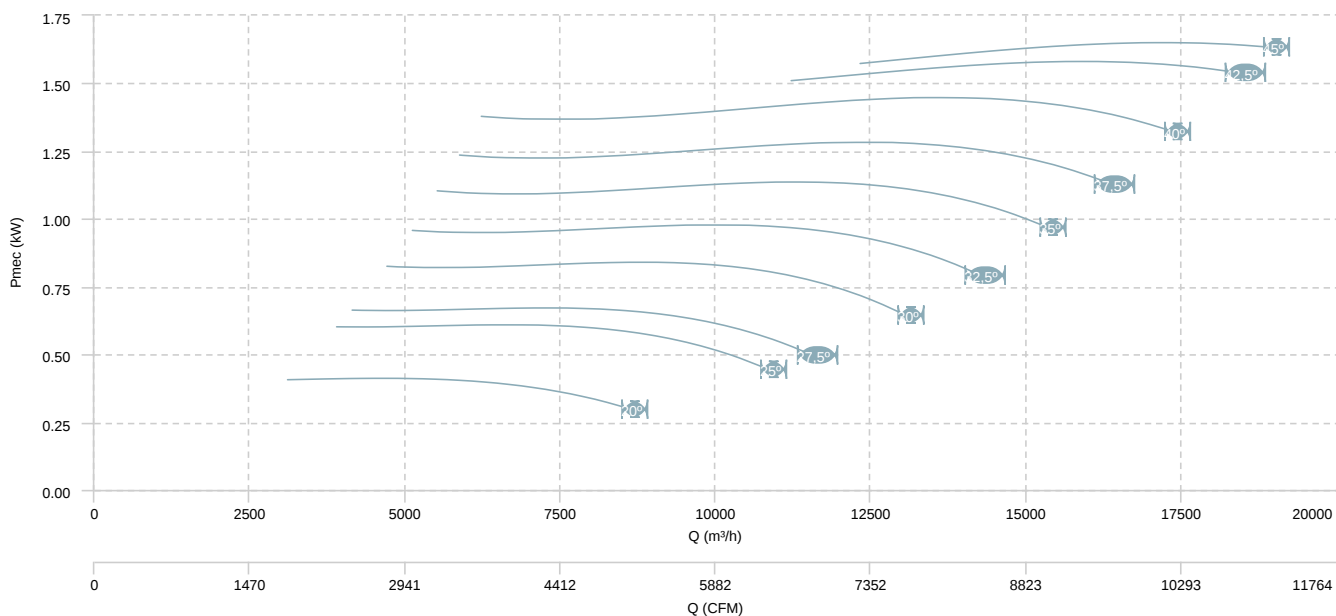


BOX HBF 63 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (4 poles)

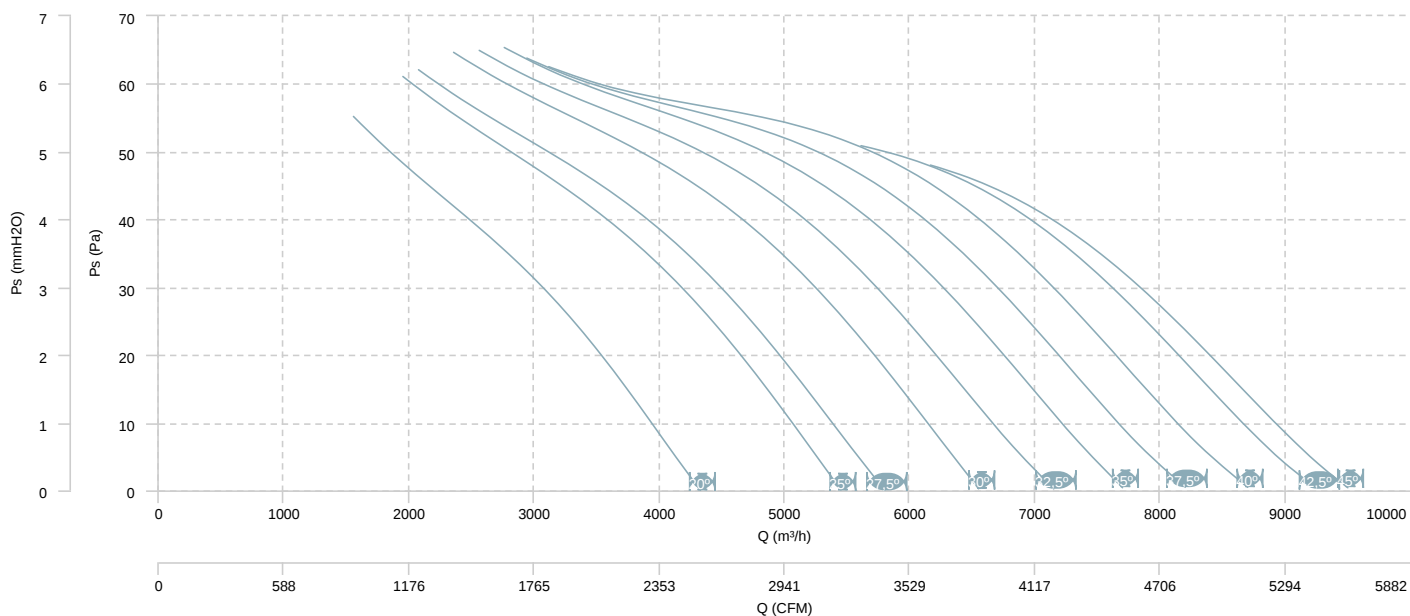


AIR FLOW - MECHANICAL POWER (4 poles)

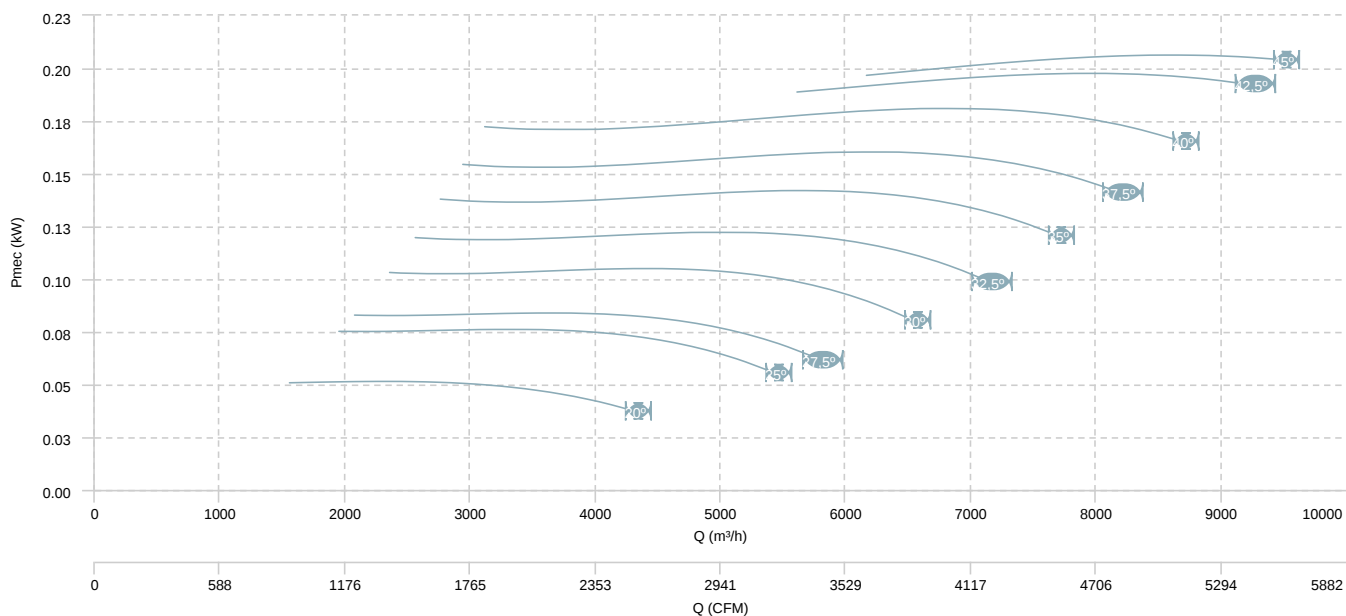


BOX HBF 63 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (8 poles)

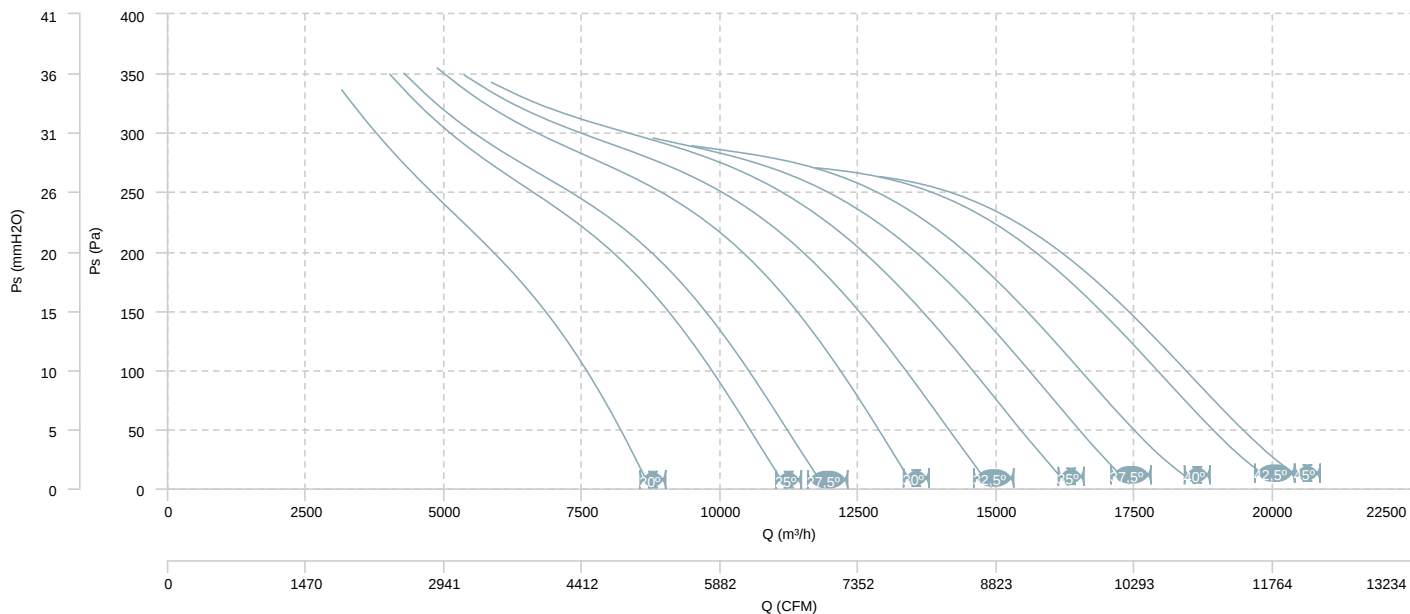


AIR FLOW - MECHANICAL POWER (8 poles)

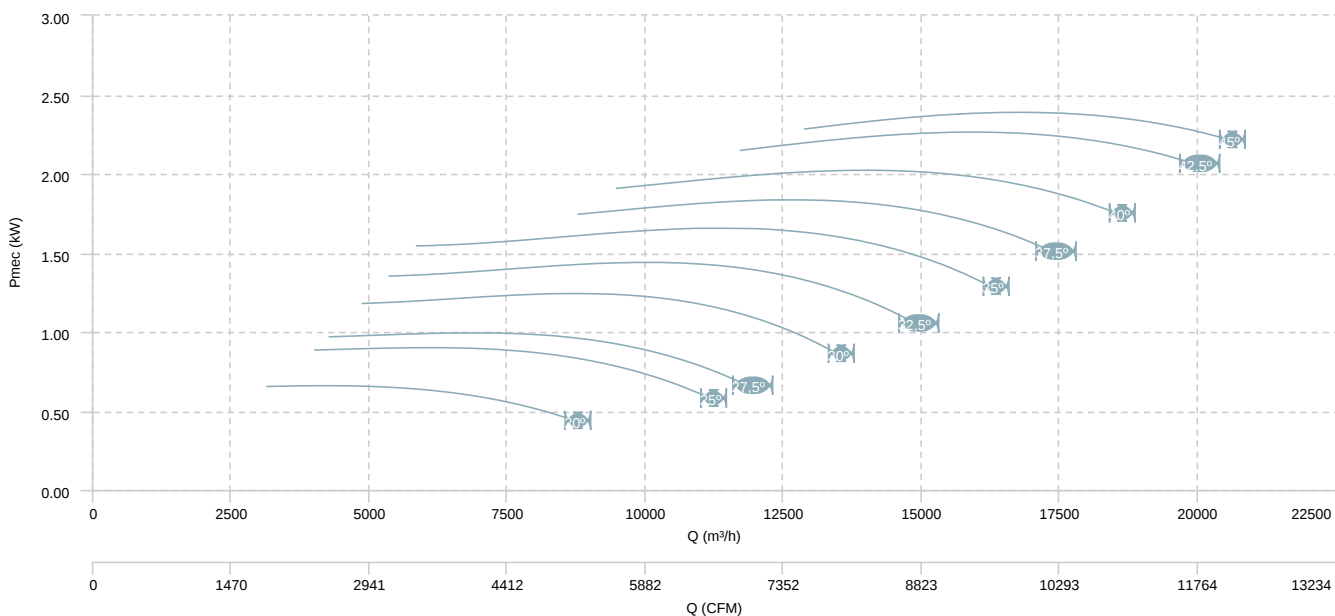


BOX HBF 63 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (4 poles)

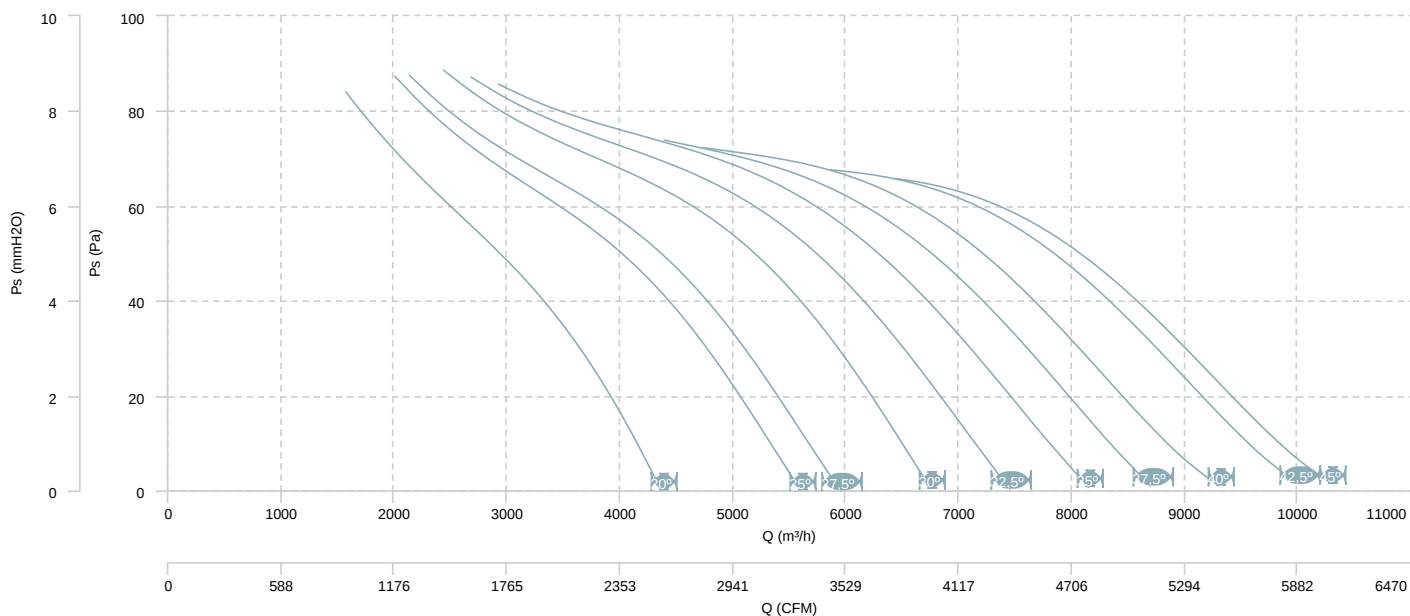


AIR FLOW - MECHANICAL POWER (4 poles)

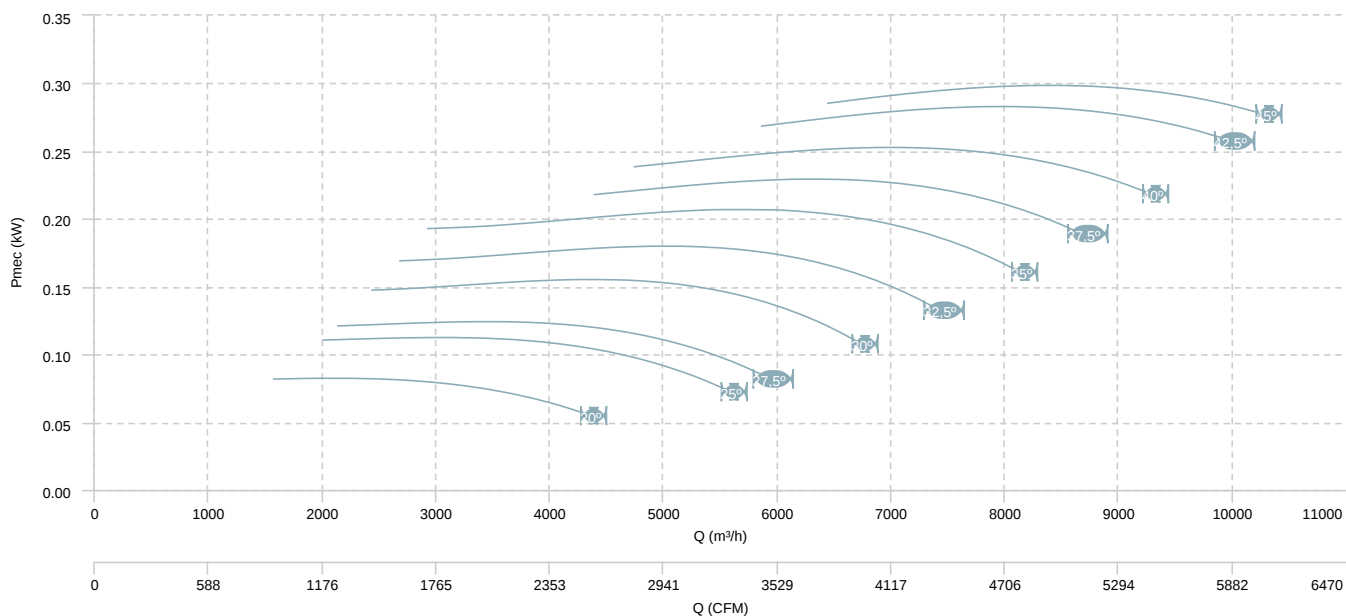


BOX HBF 63 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (8 poles)

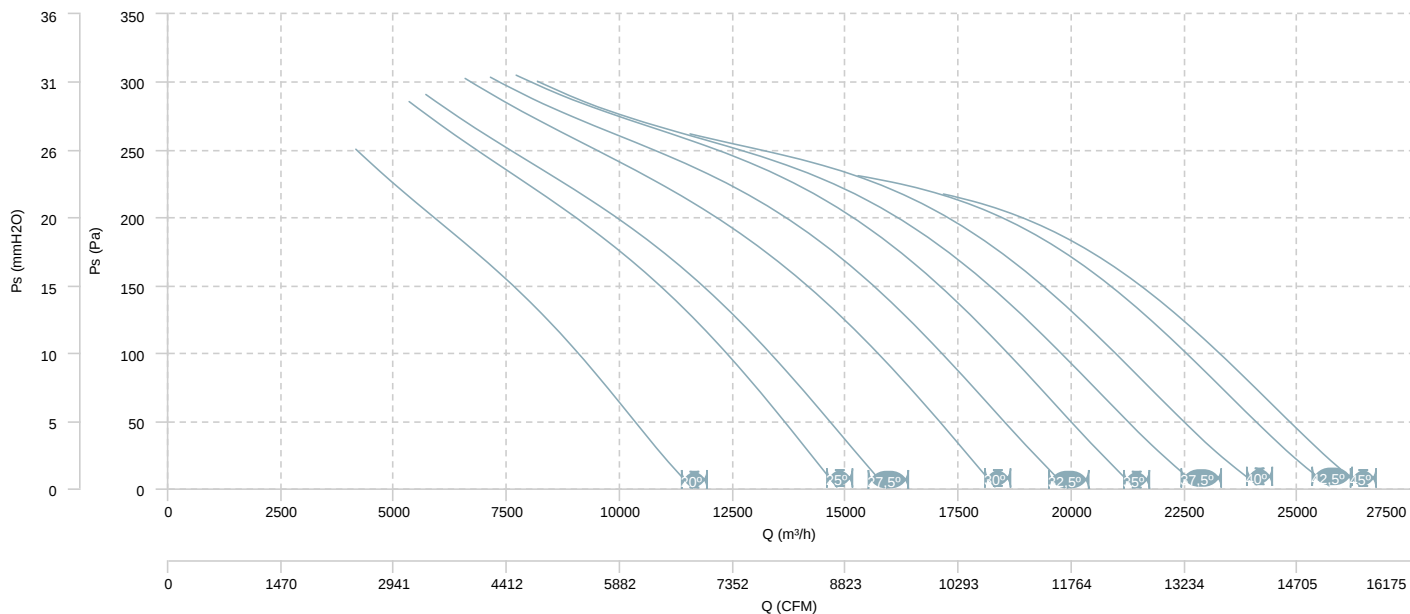


AIR FLOW - MECHANICAL POWER (8 poles)

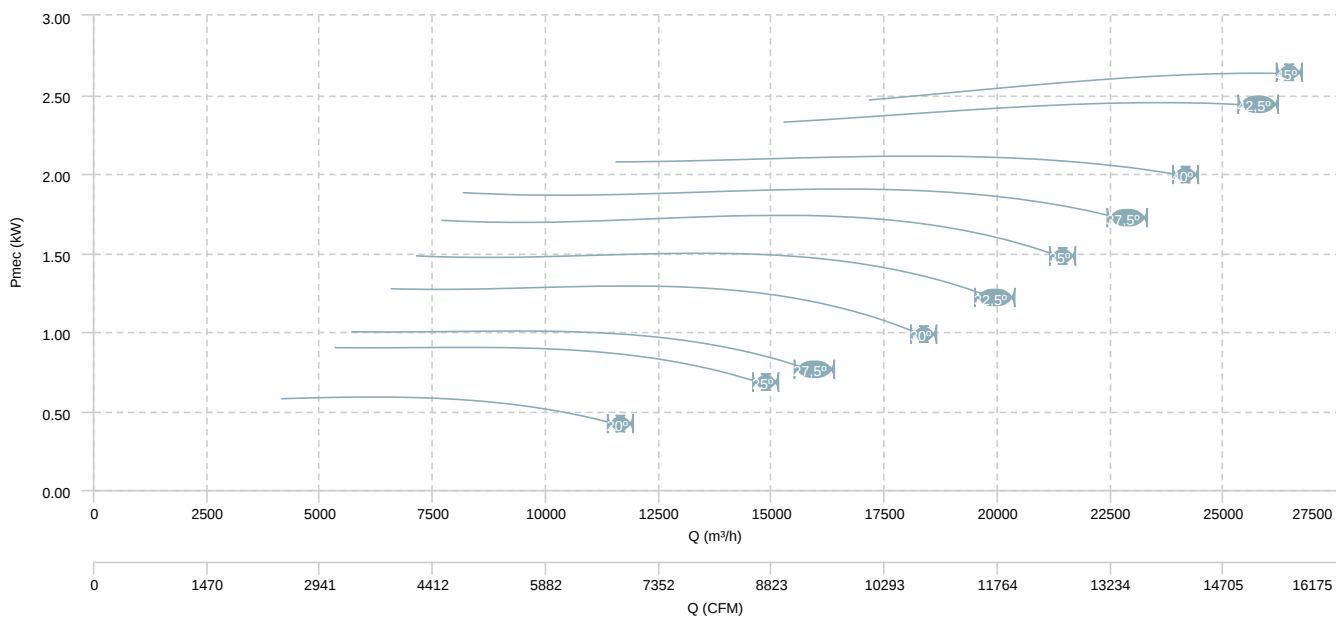


BOX HBF 71 T4 (A2:6) F300

AIR FLOW - PRESSURE

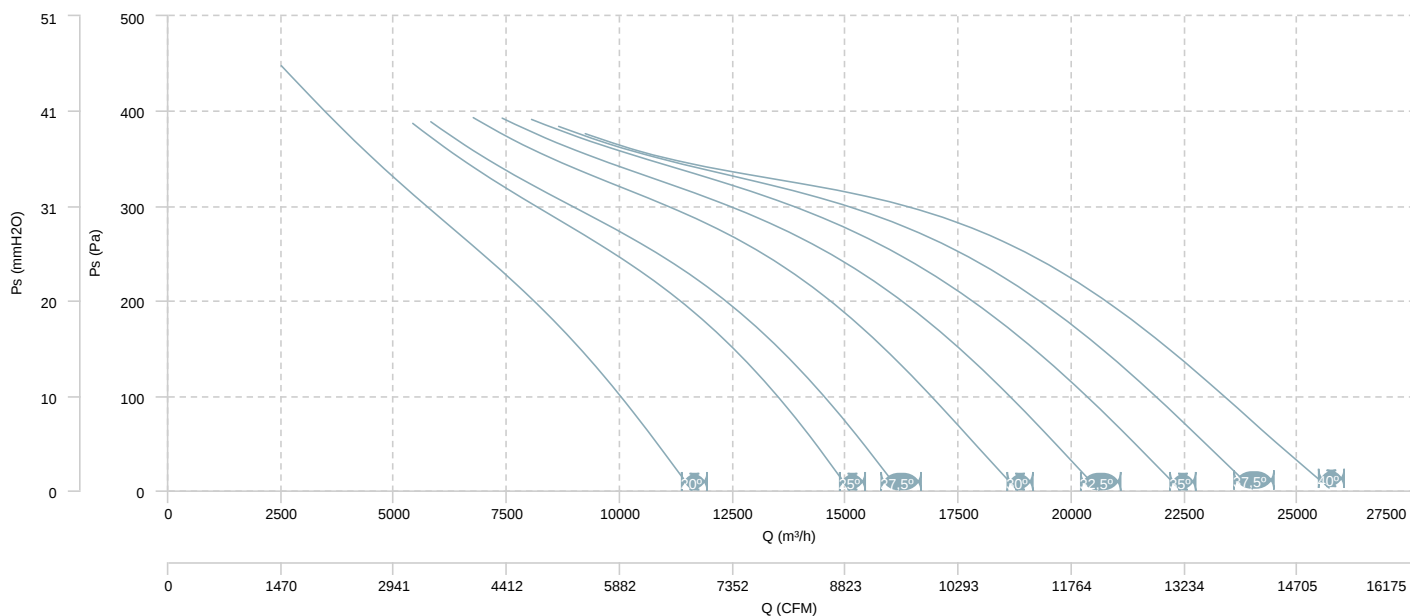


AIR FLOW - MECHANICAL POWER

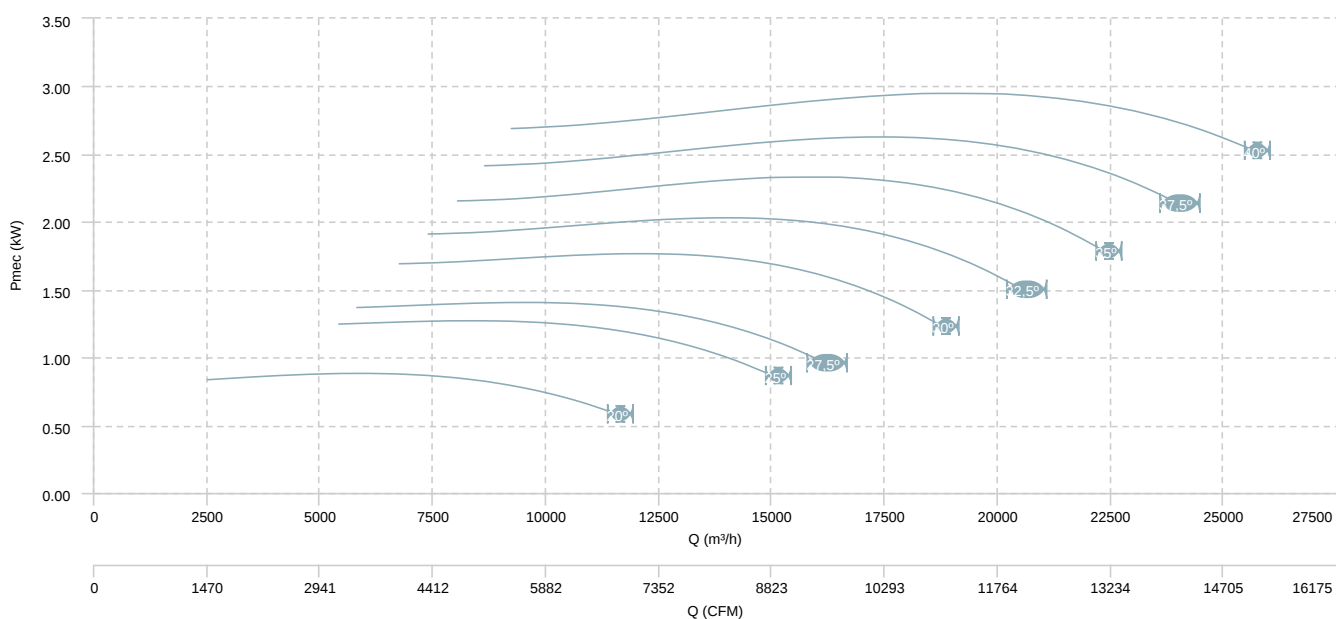


BOX HBF 71 T4 (A2:9) F300

AIR FLOW - PRESSURE

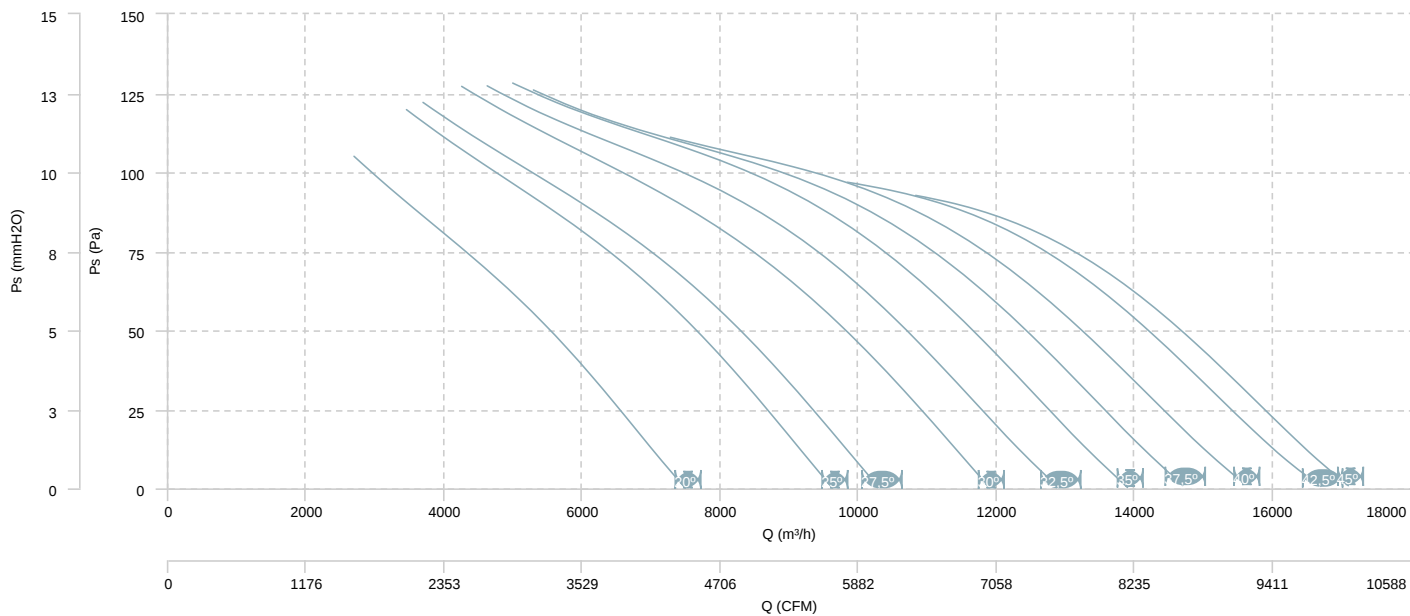


AIR FLOW - MECHANICAL POWER

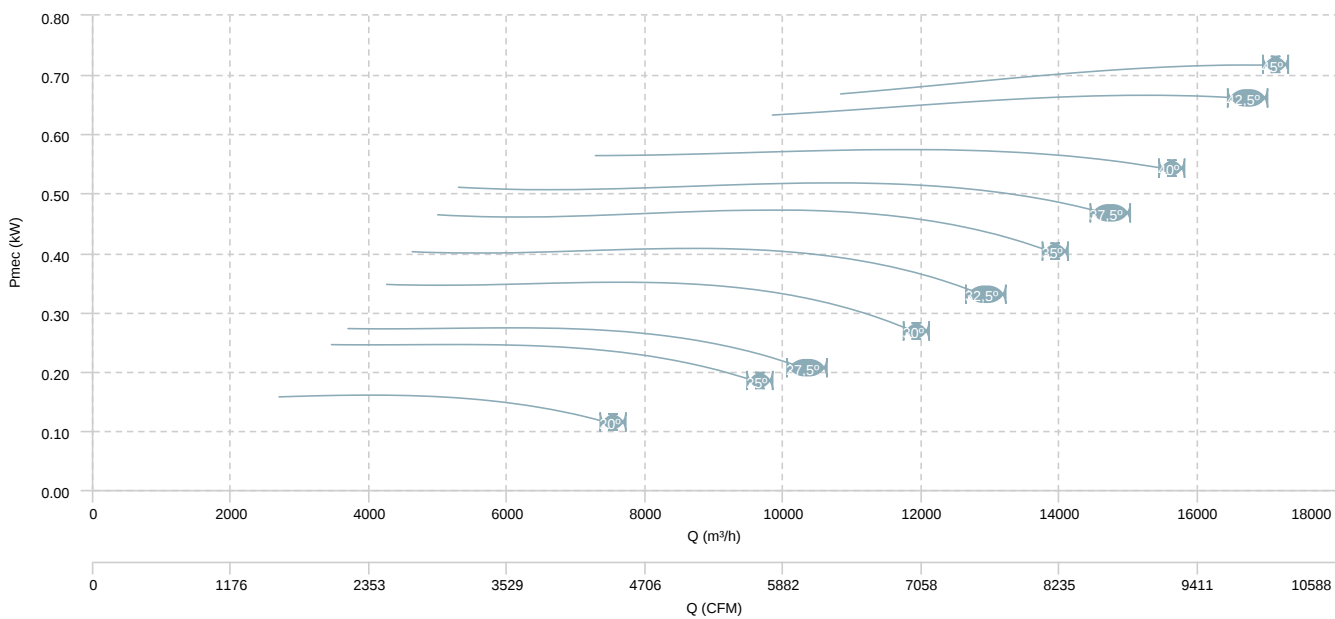


BOX HBF 71 T6 (A2:6) F300

AIR FLOW - PRESSURE

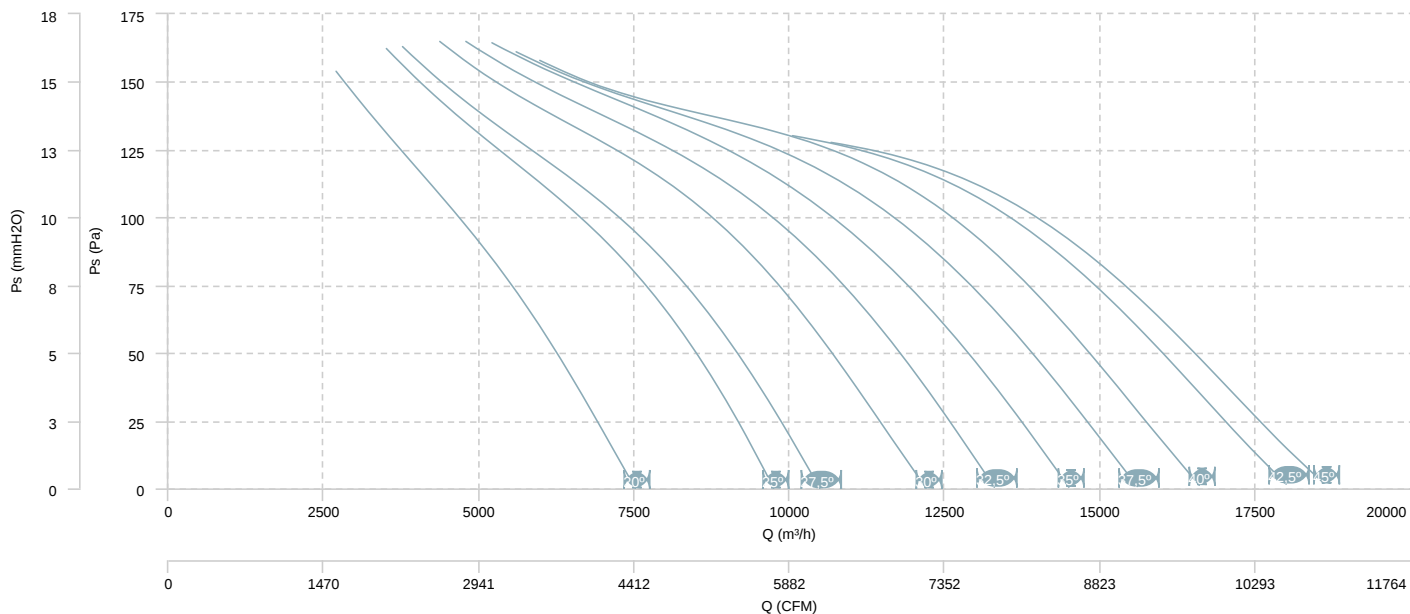


AIR FLOW - MECHANICAL POWER

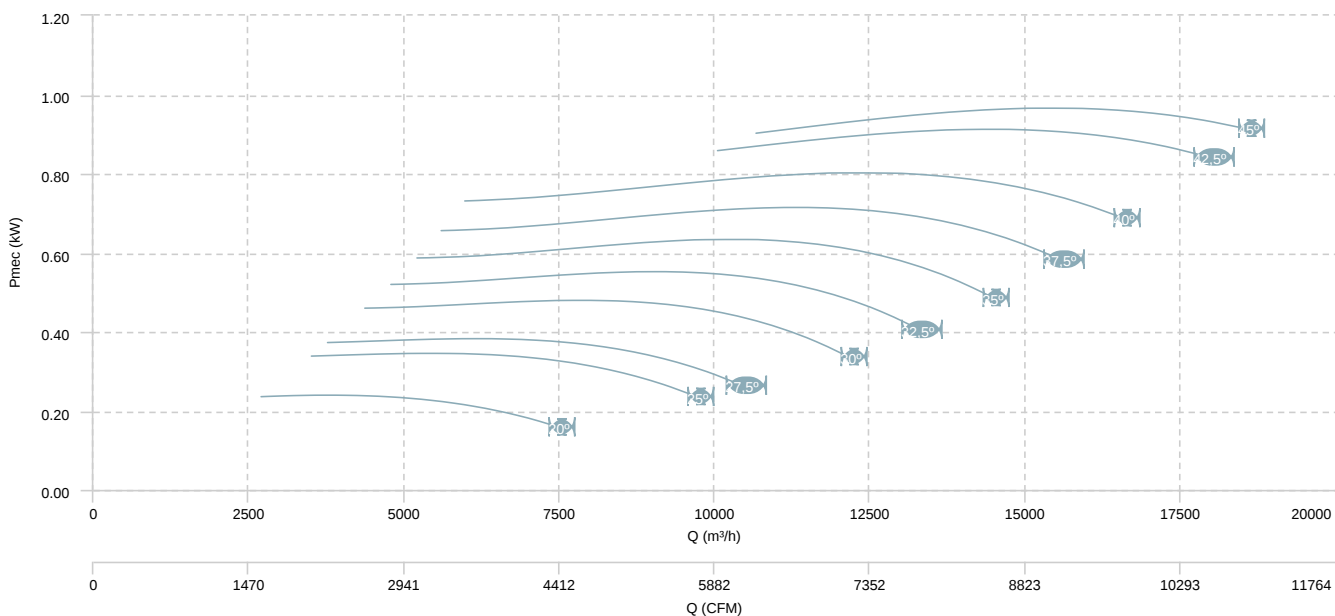


BOX HBF 71 T6 (A2:9) F300

AIR FLOW - PRESSURE

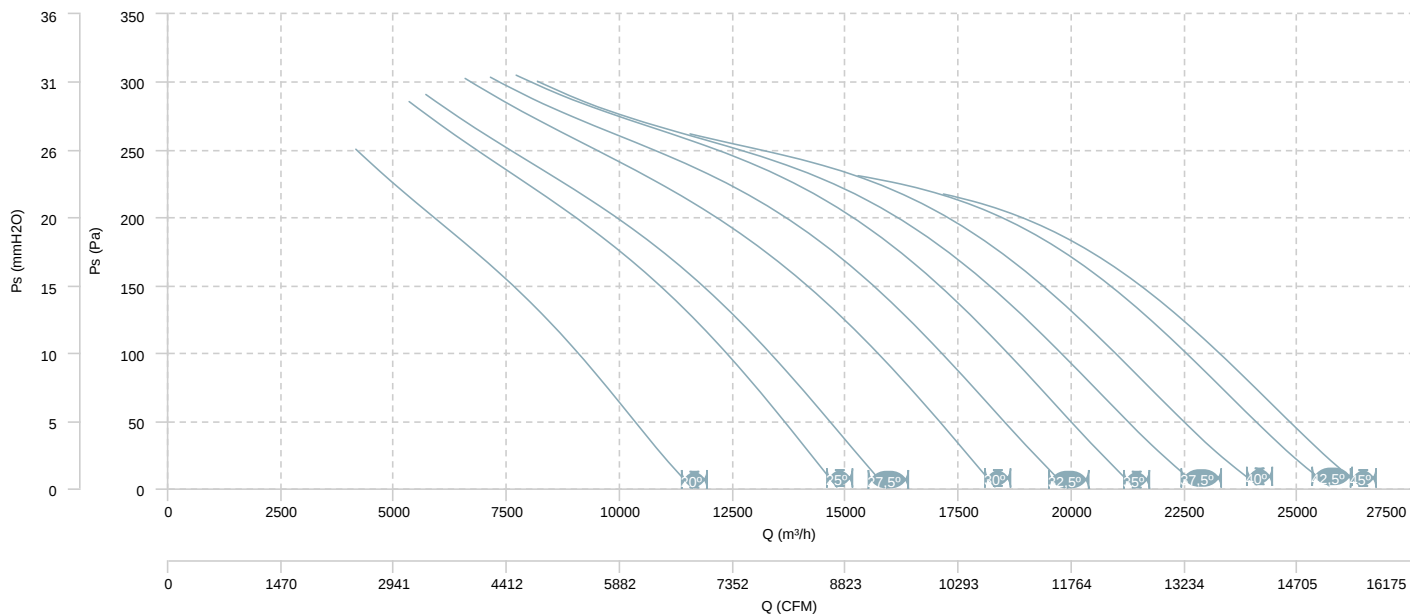


AIR FLOW - MECHANICAL POWER

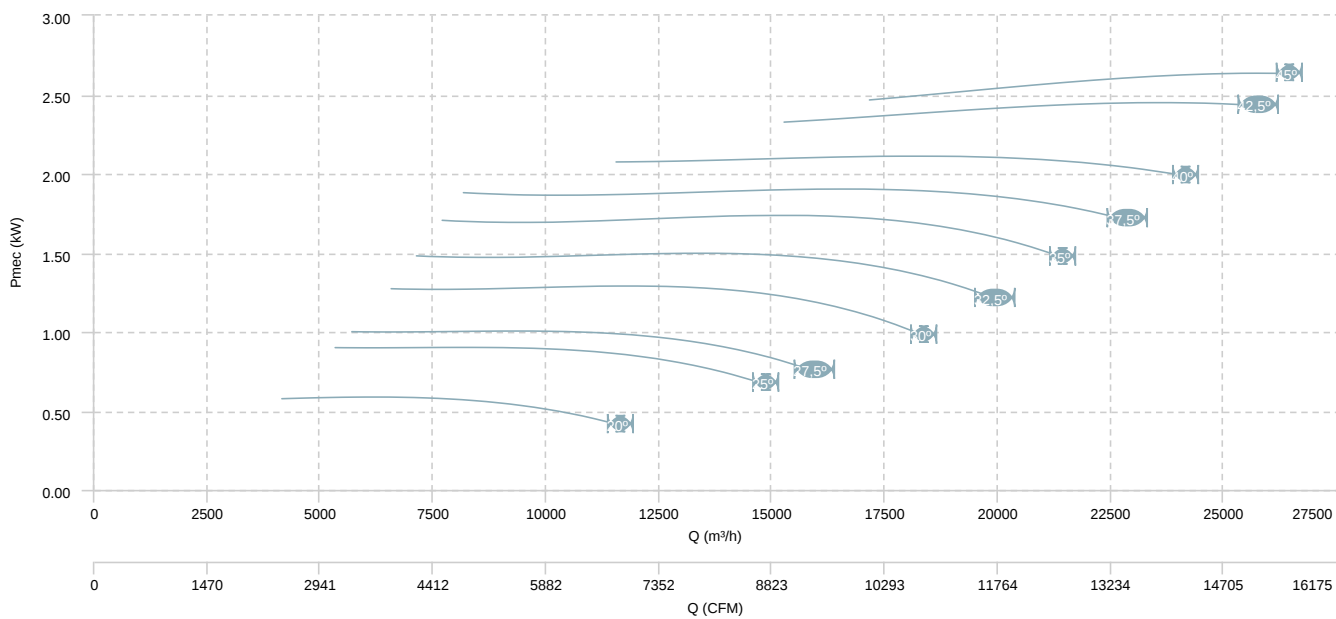


BOX HBF 71 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (4 poles)

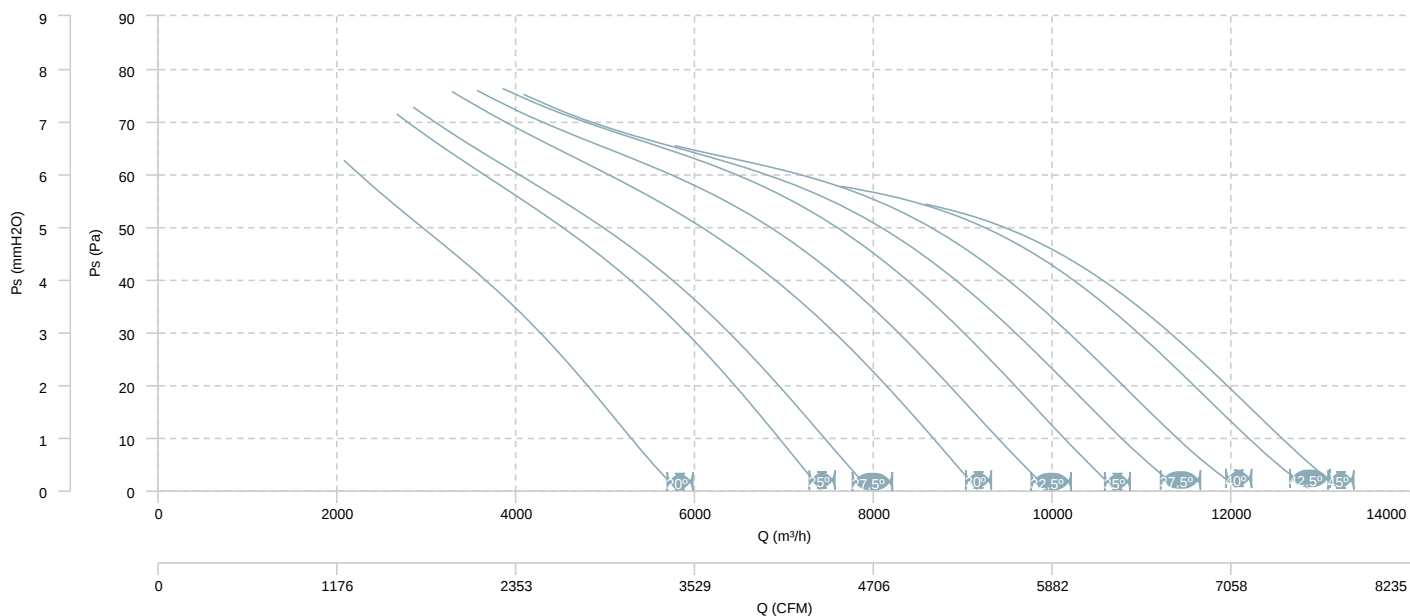


AIR FLOW - MECHANICAL POWER (4 poles)

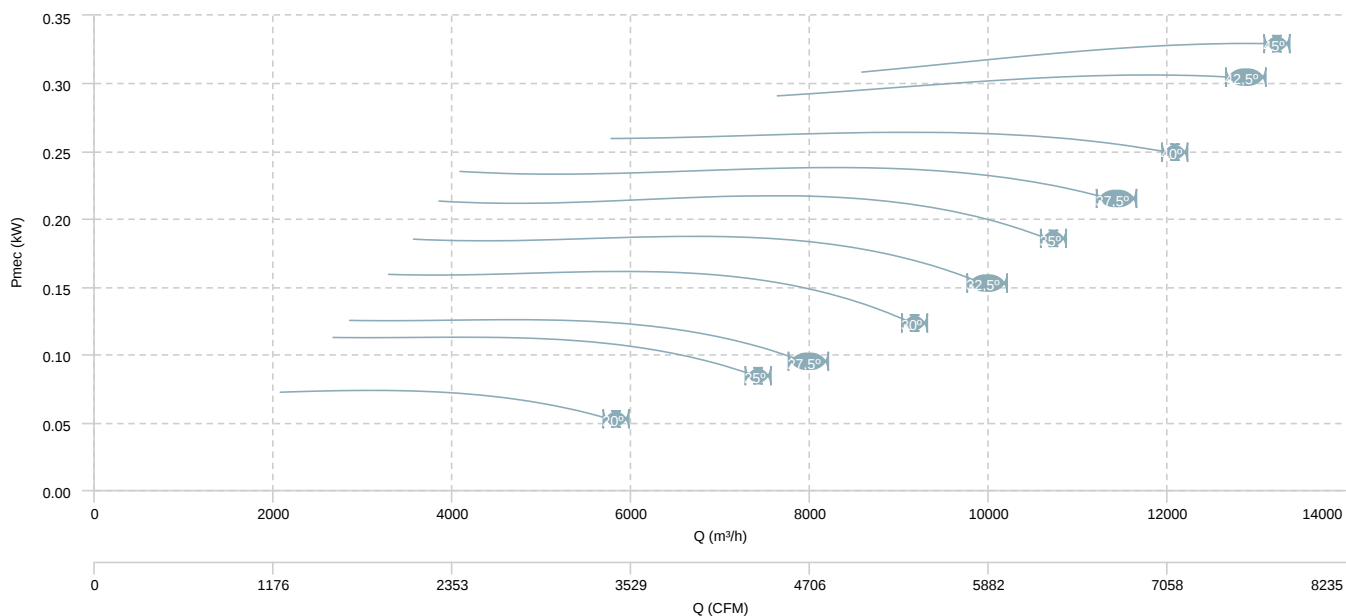


BOX HBF 71 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (8 poles)

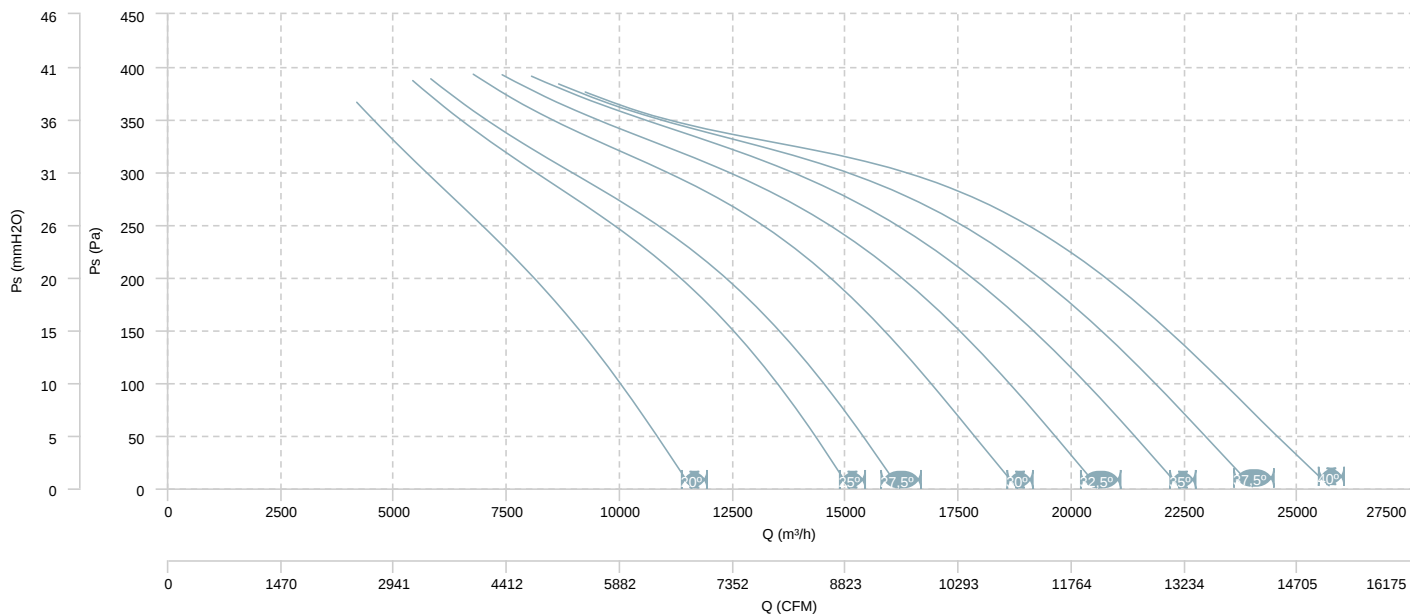


AIR FLOW - MECHANICAL POWER (8 poles)

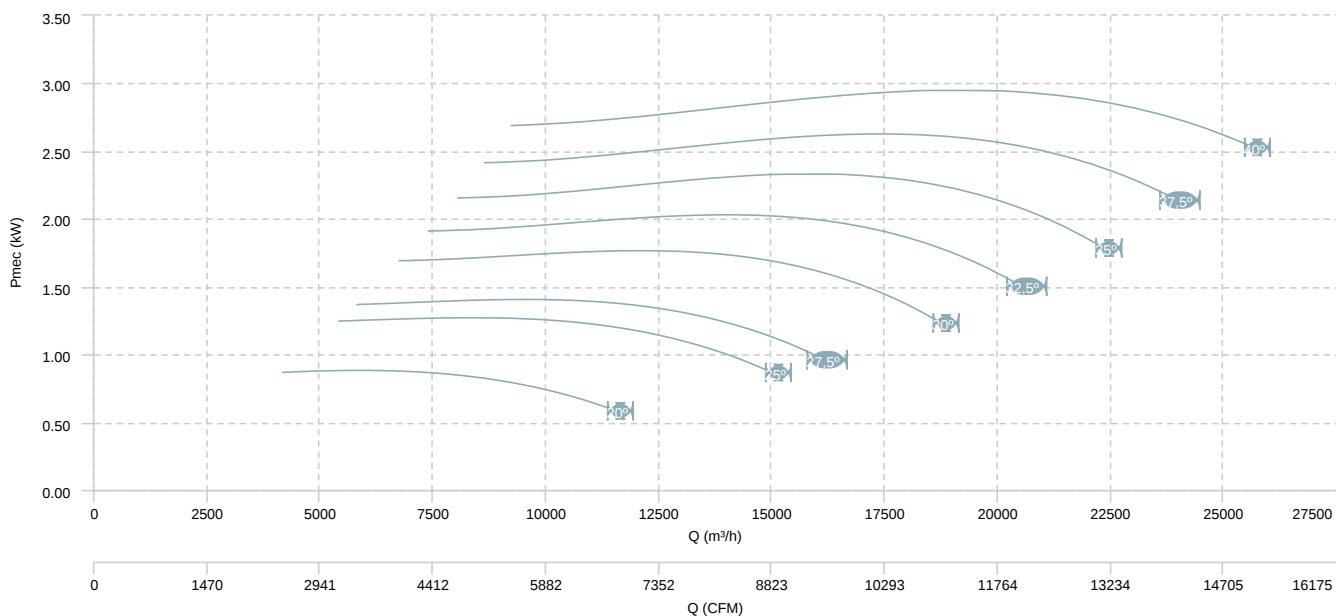


BOX HBF 71 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (4 poles)

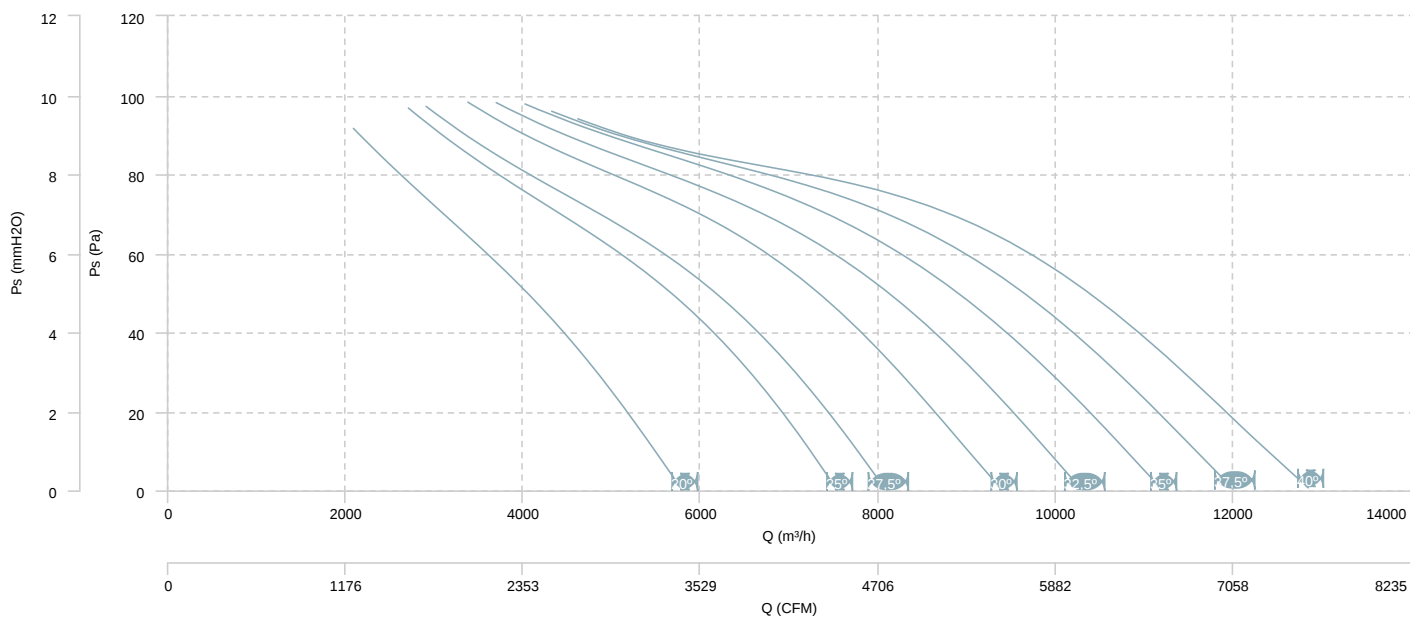


AIR FLOW - MECHANICAL POWER (4 poles)

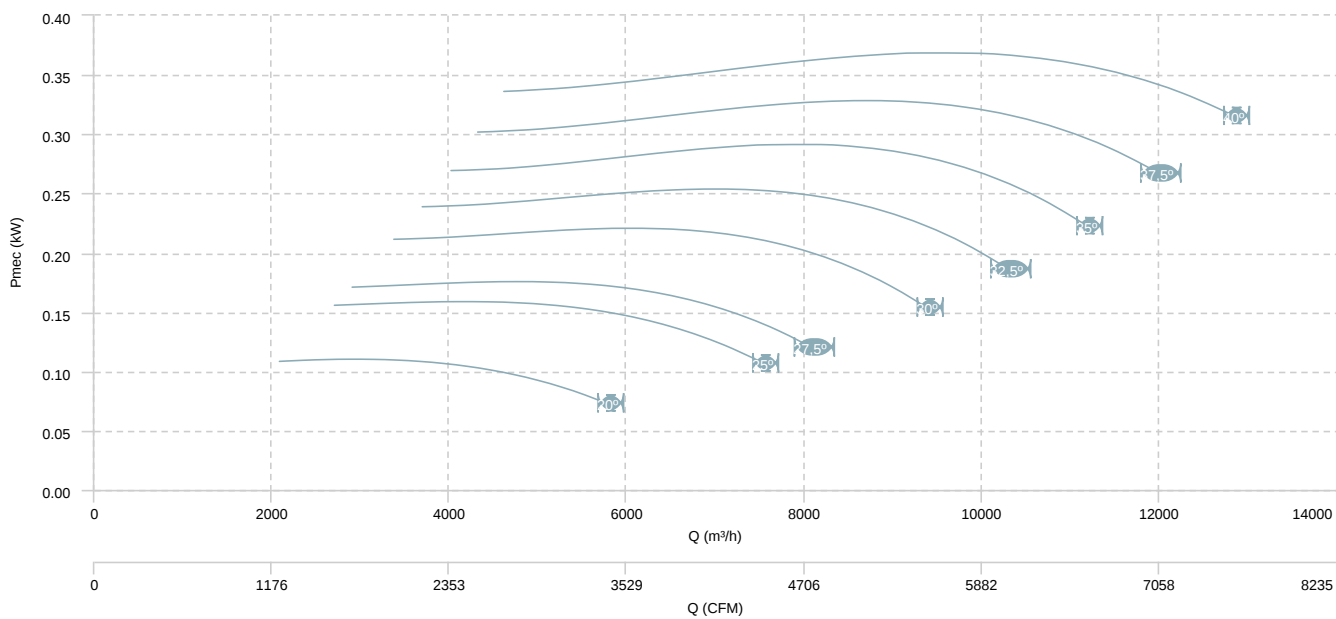


BOX HBF 71 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (8 poles)

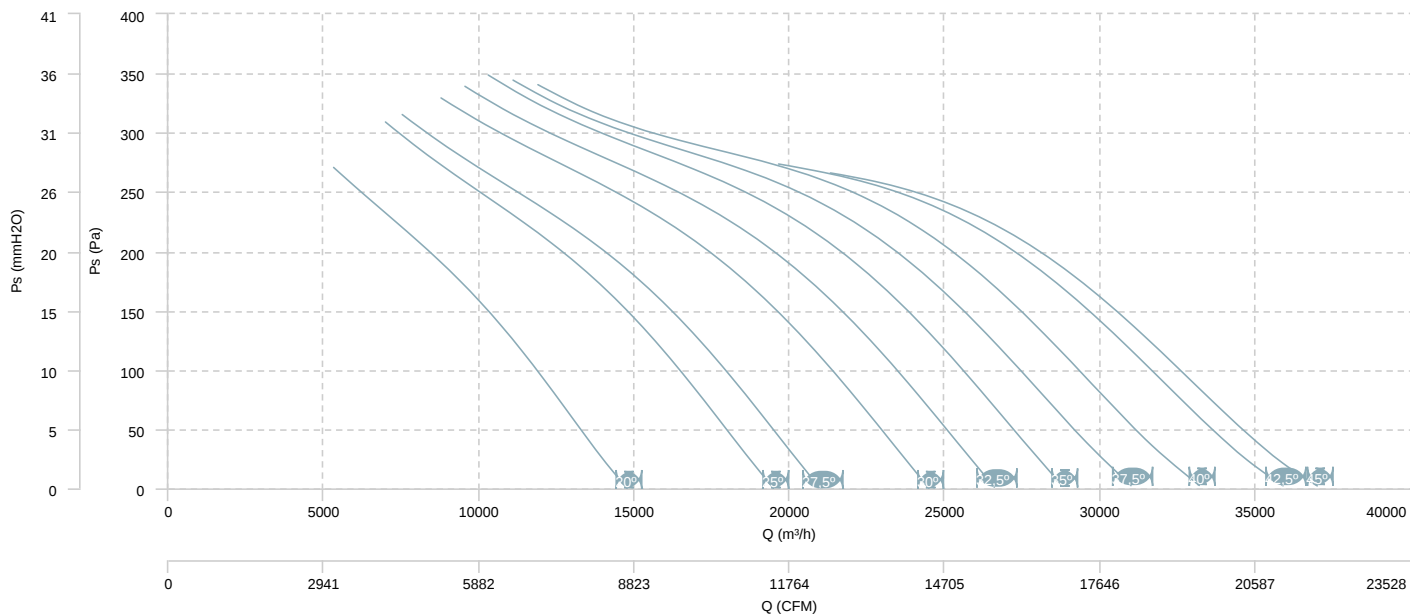


AIR FLOW - MECHANICAL POWER (8 poles)

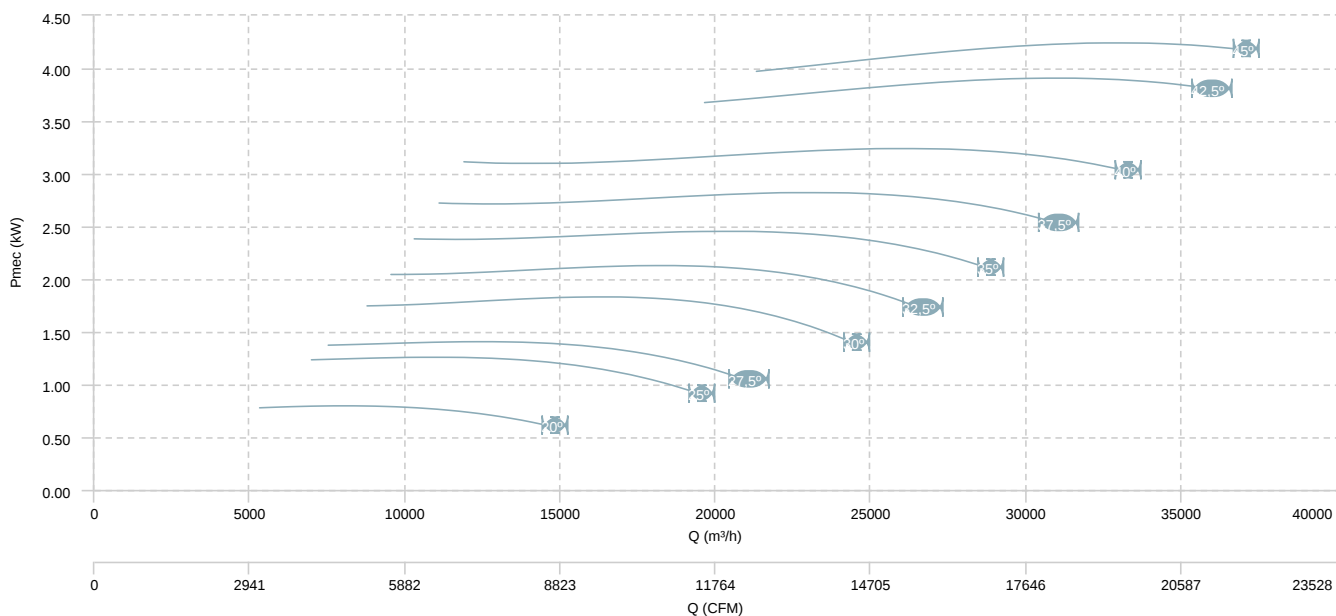


BOX HBF 80 T4 (A2:6) F300

AIR FLOW - PRESSURE

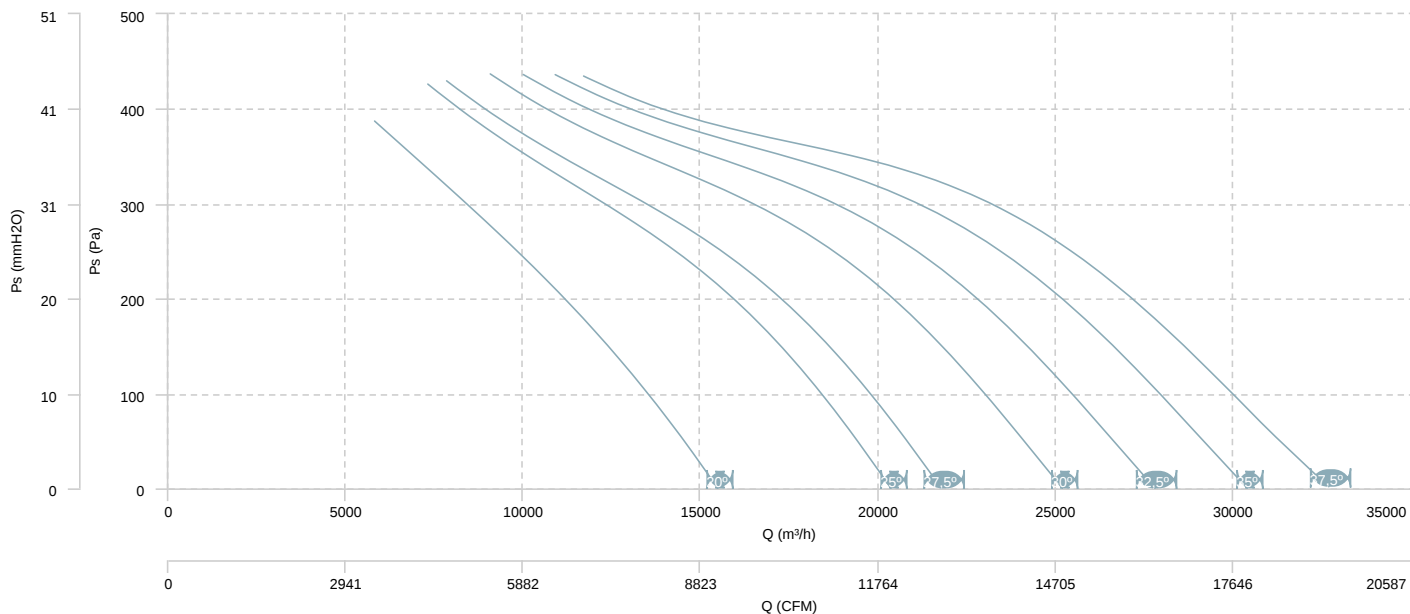


AIR FLOW - MECHANICAL POWER

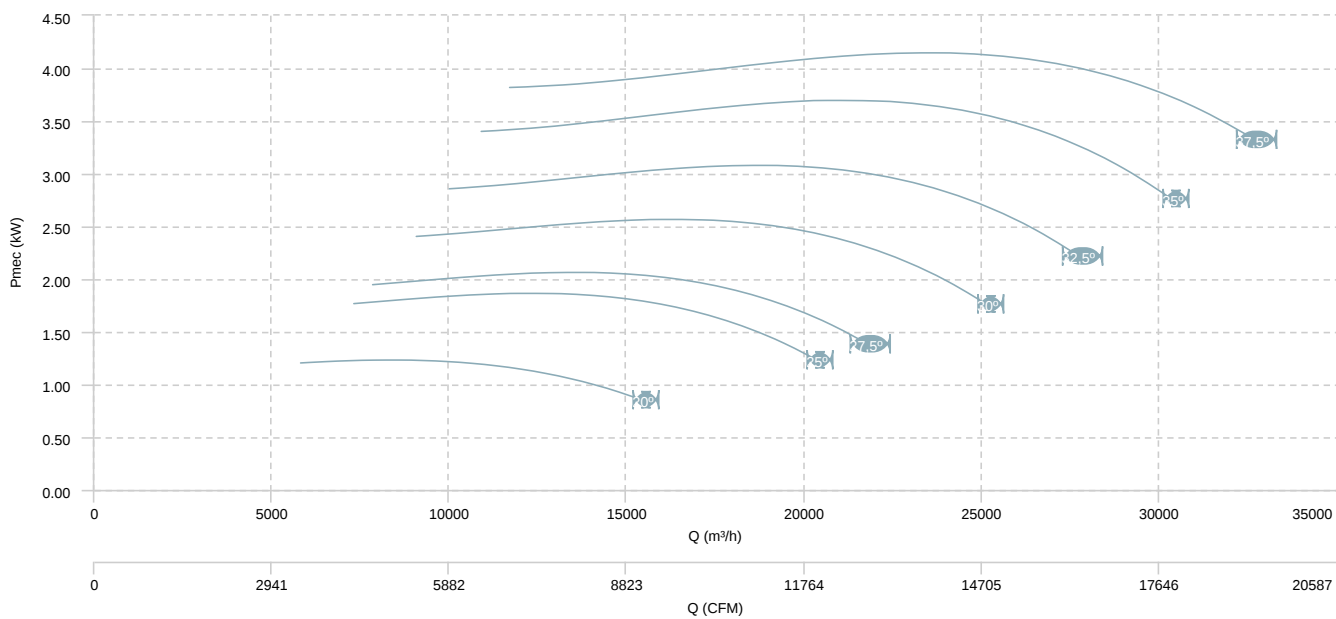


BOX HBF 80 T4 (A2:9) F300

AIR FLOW - PRESSURE

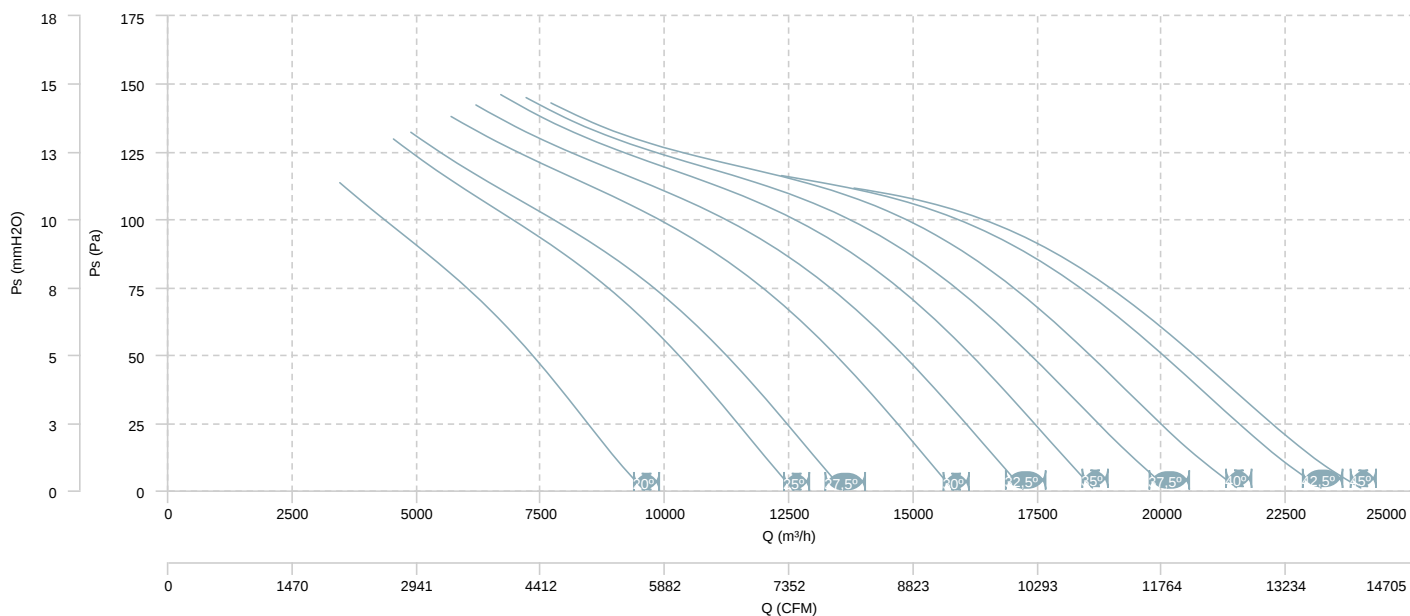


AIR FLOW - MECHANICAL POWER

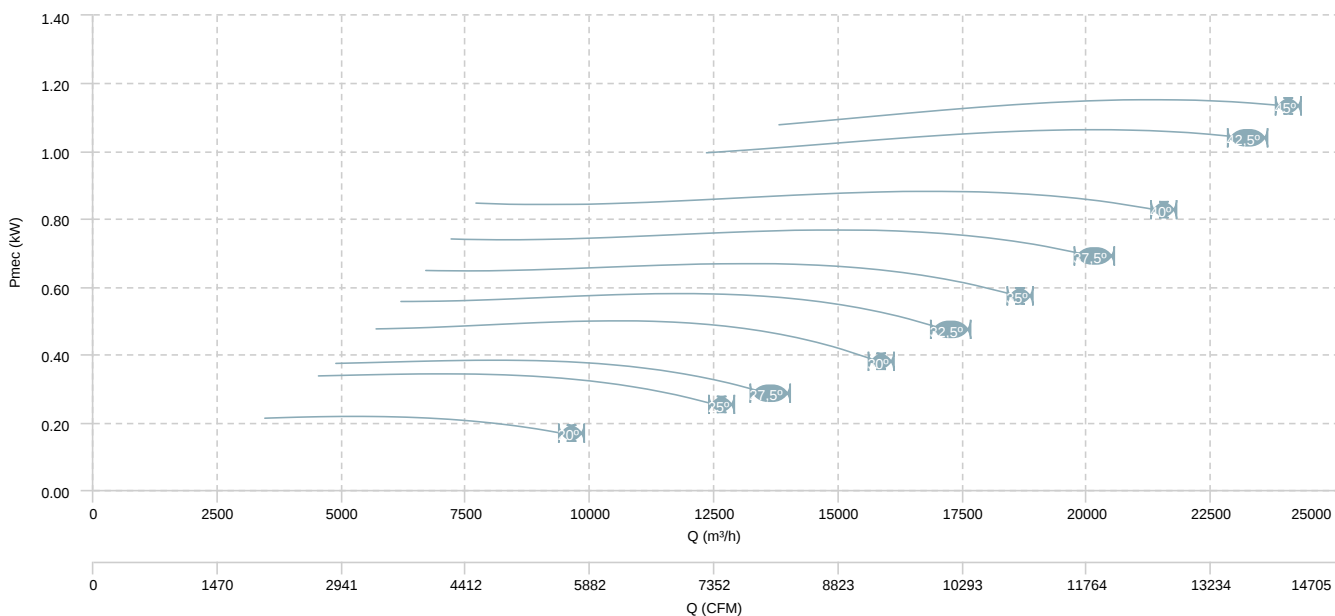


BOX HBF 80 T6 (A2:6) F300

AIR FLOW - PRESSURE

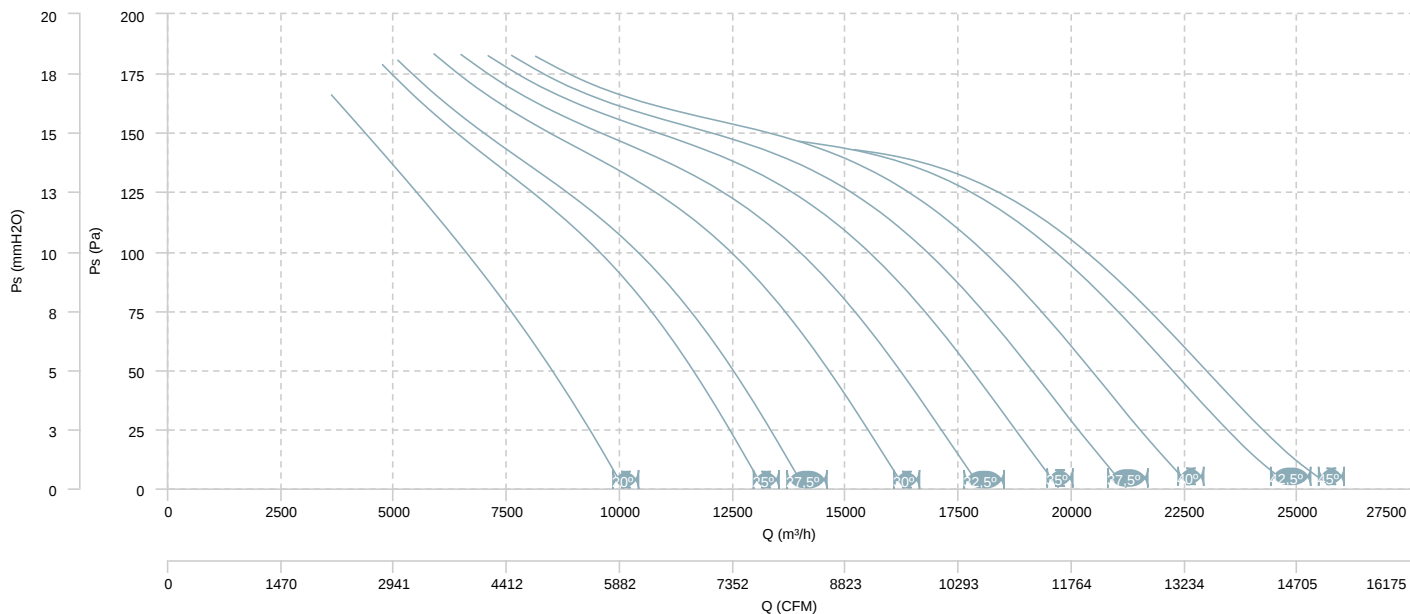


AIR FLOW - MECHANICAL POWER

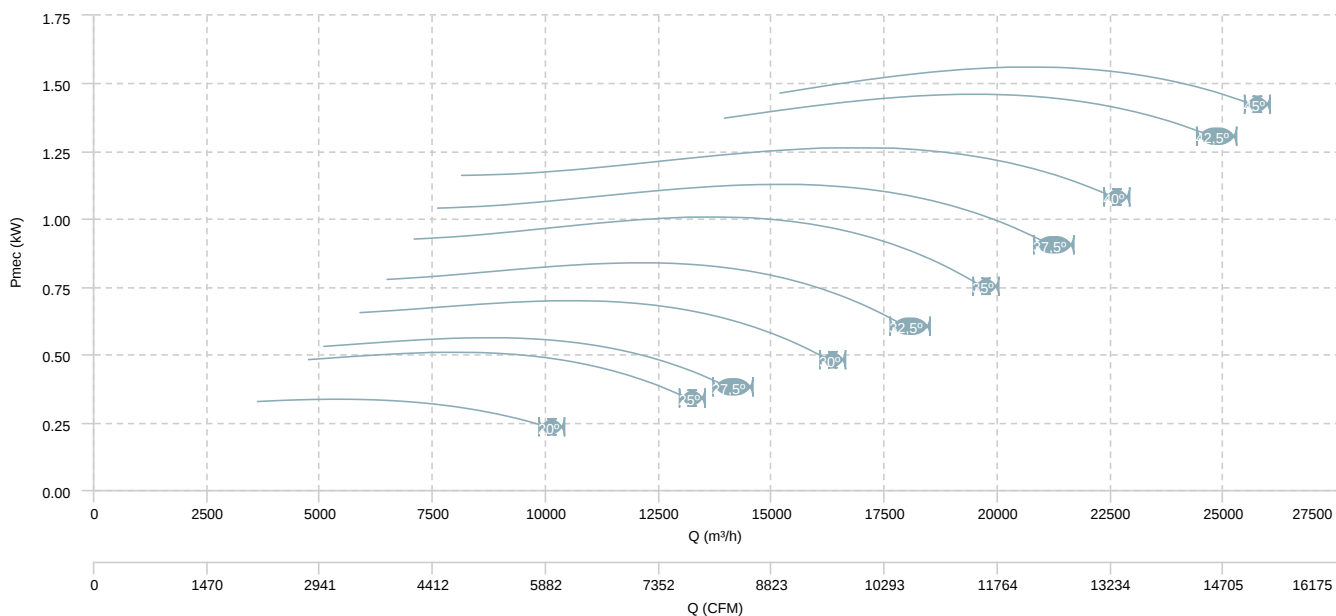


BOX HBF 80 T6 (A2:9) F300

AIR FLOW - PRESSURE

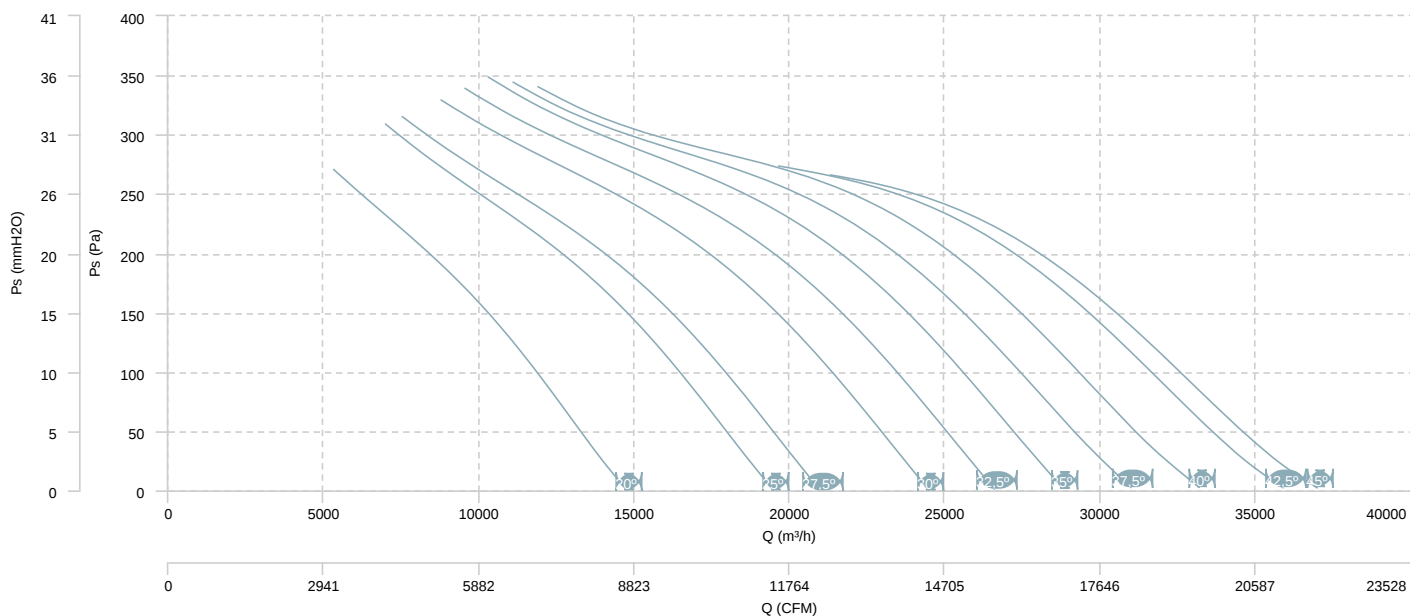


AIR FLOW - MECHANICAL POWER

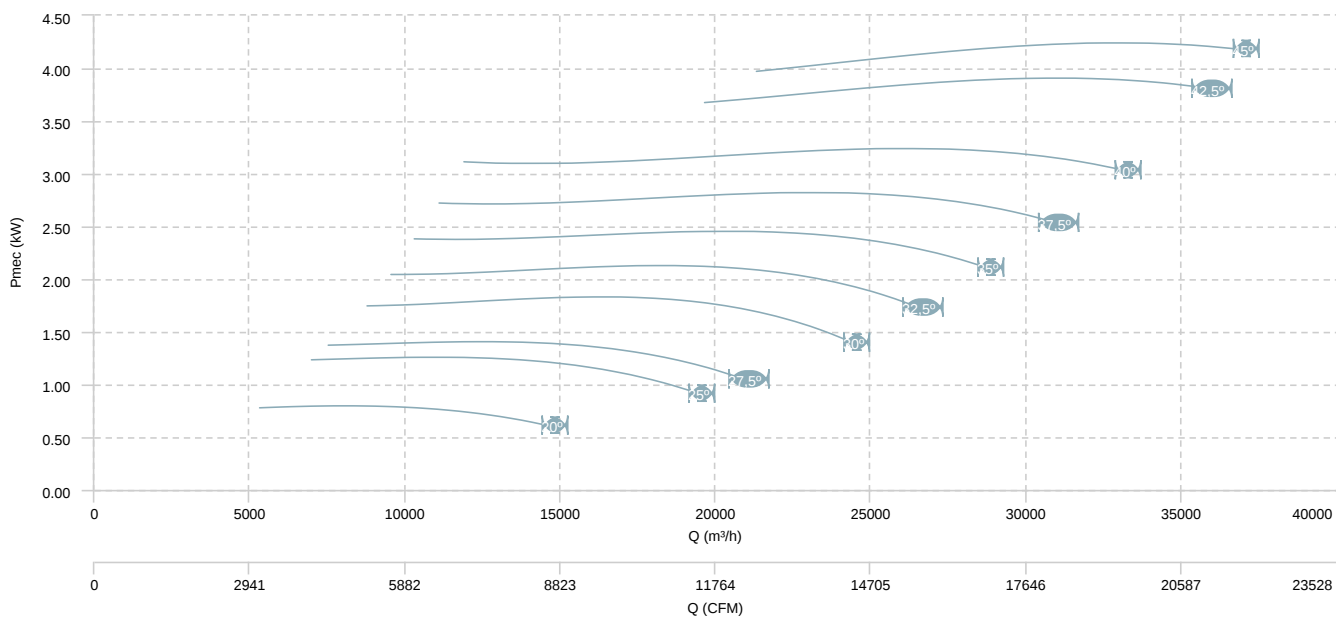


BOX HBF 80 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (4 poles)

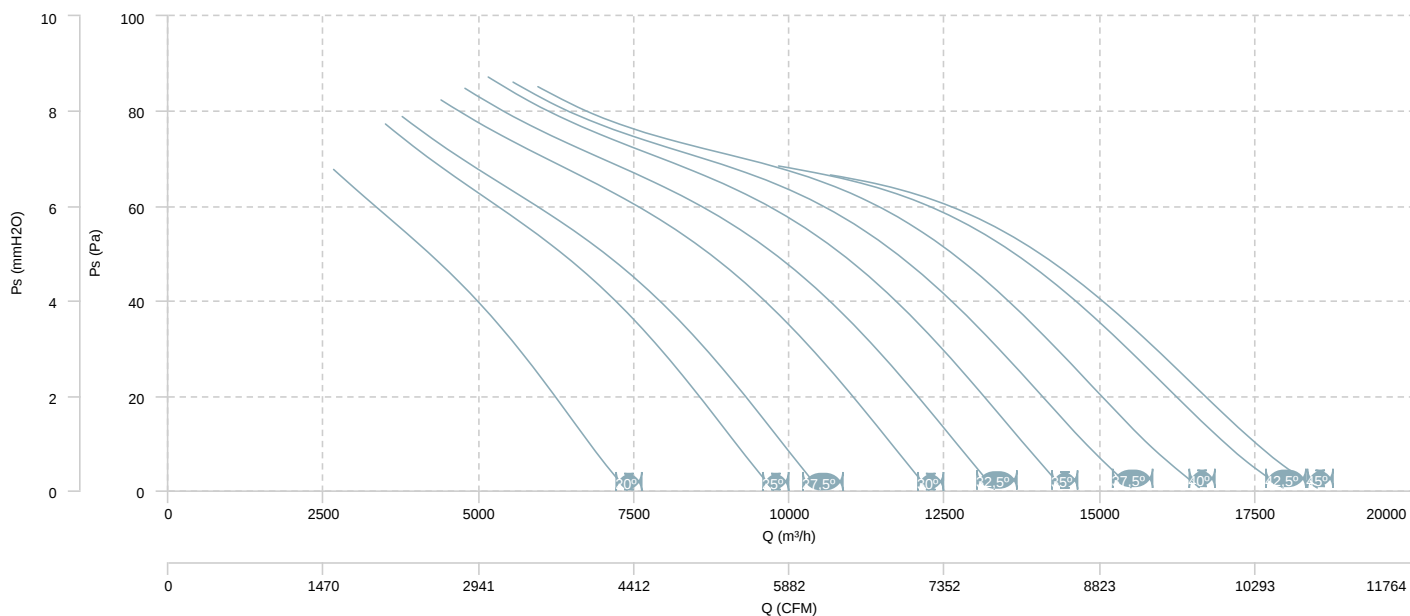


AIR FLOW - MECHANICAL POWER (4 poles)

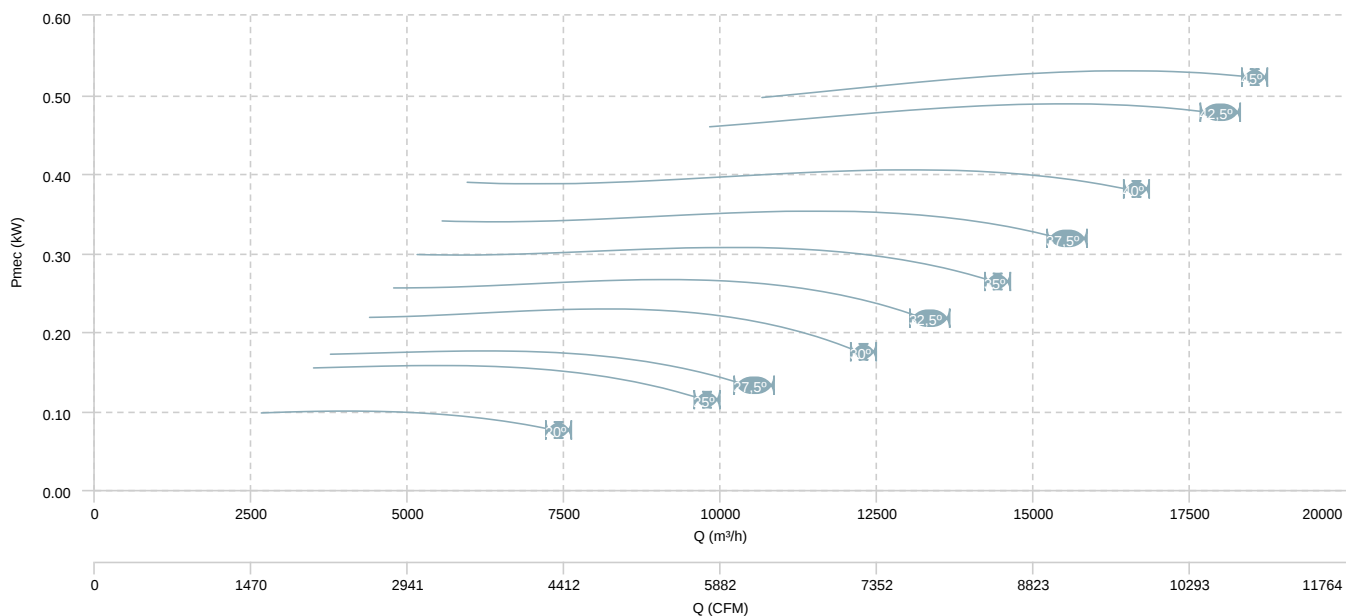


BOX HBF 80 T4/T8 (A2:6) F300

AIR FLOW - PRESSURE (8 poles)

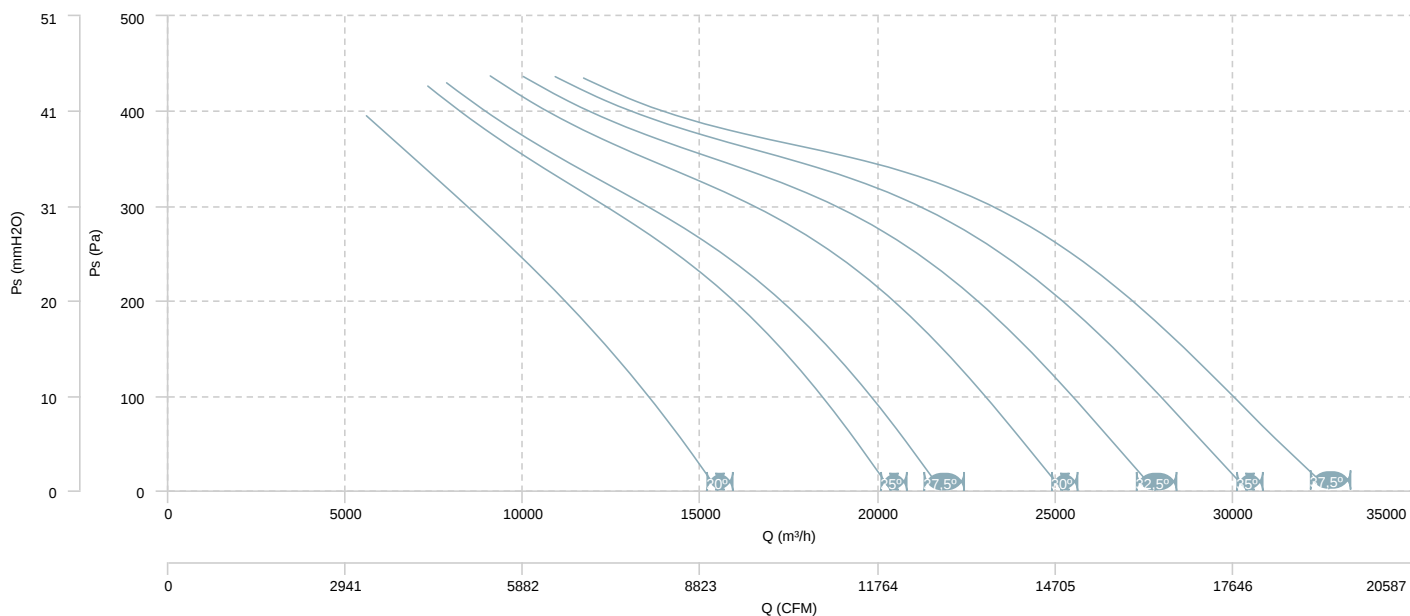


AIR FLOW - MECHANICAL POWER (8 poles)

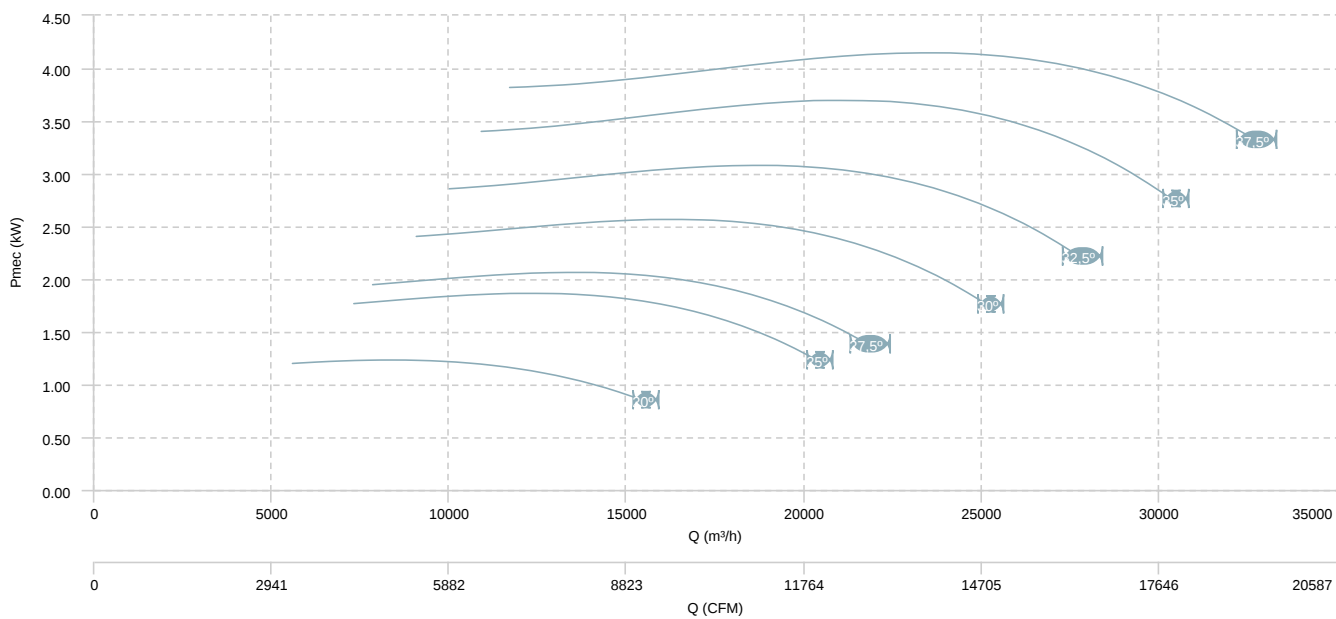


BOX HBF 80 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (4 poles)

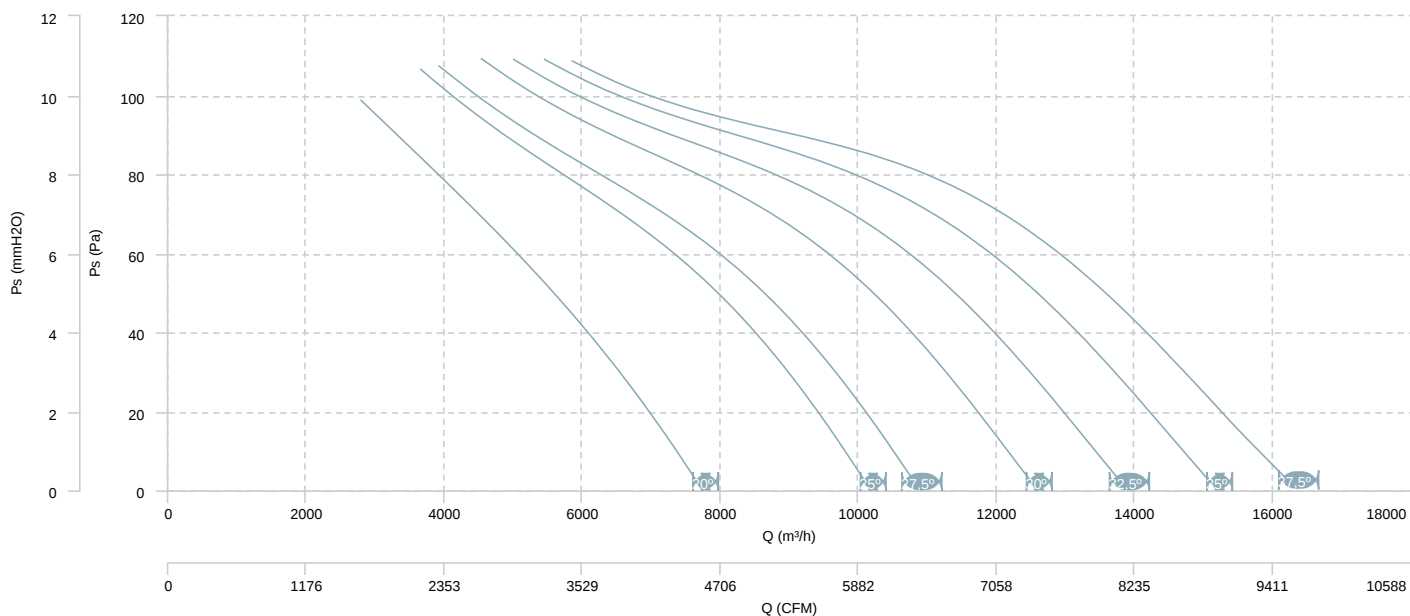


AIR FLOW - MECHANICAL POWER (4 poles)

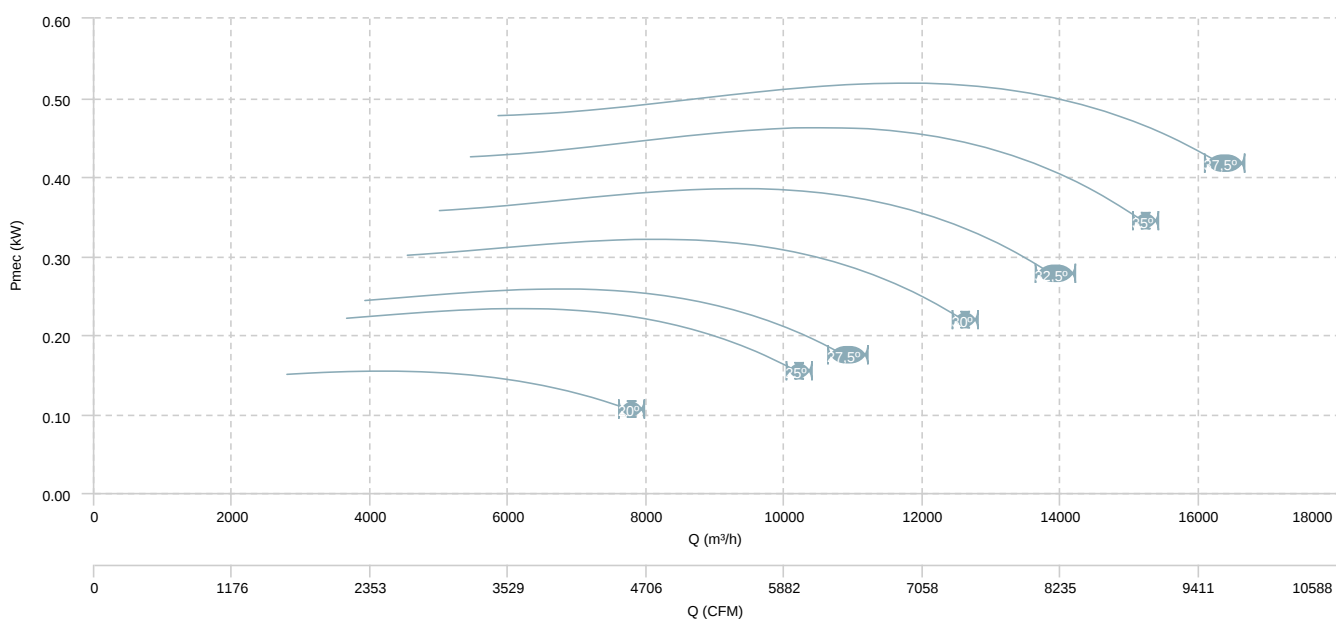


BOX HBF 80 T4/T8 (A2:9) F300

AIR FLOW - PRESSURE (8 poles)

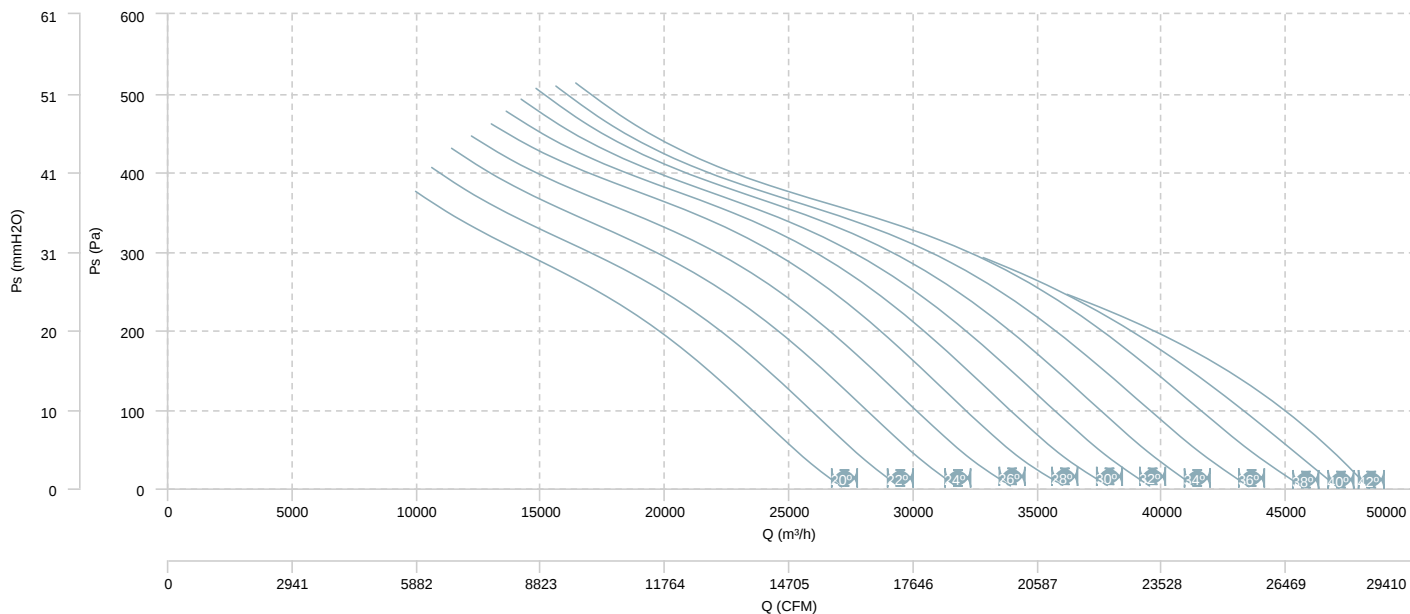


AIR FLOW - MECHANICAL POWER (8 poles)

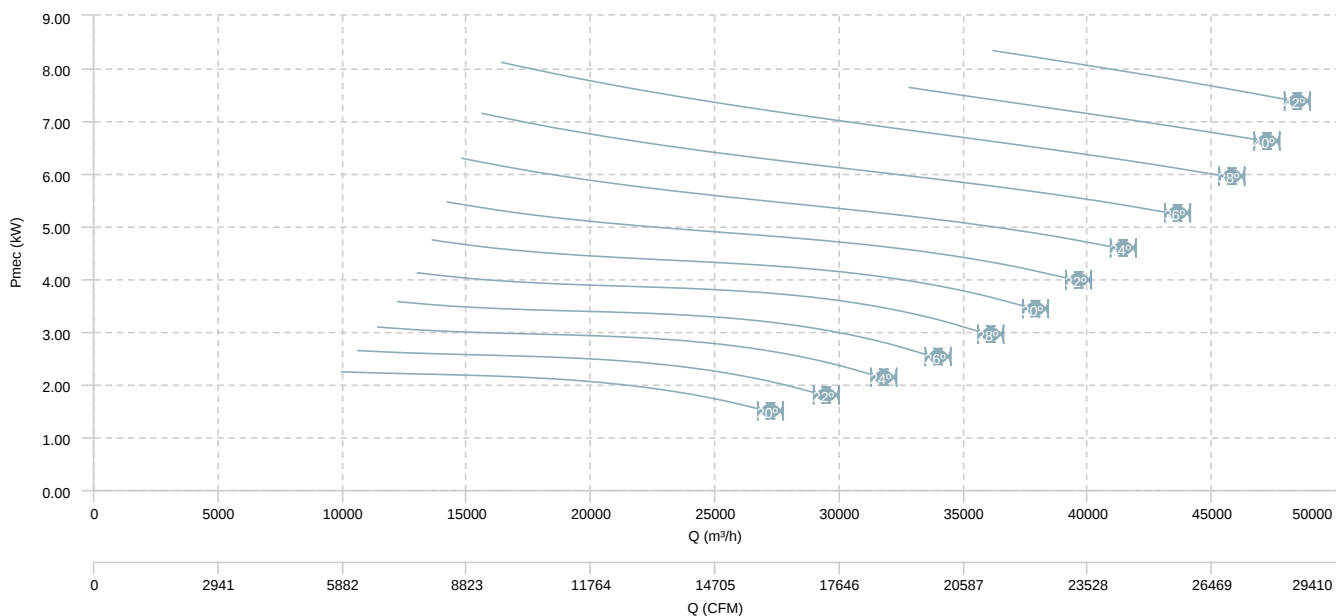


BOX HBF 90 T4 (A6:3) F300

AIR FLOW - PRESSURE

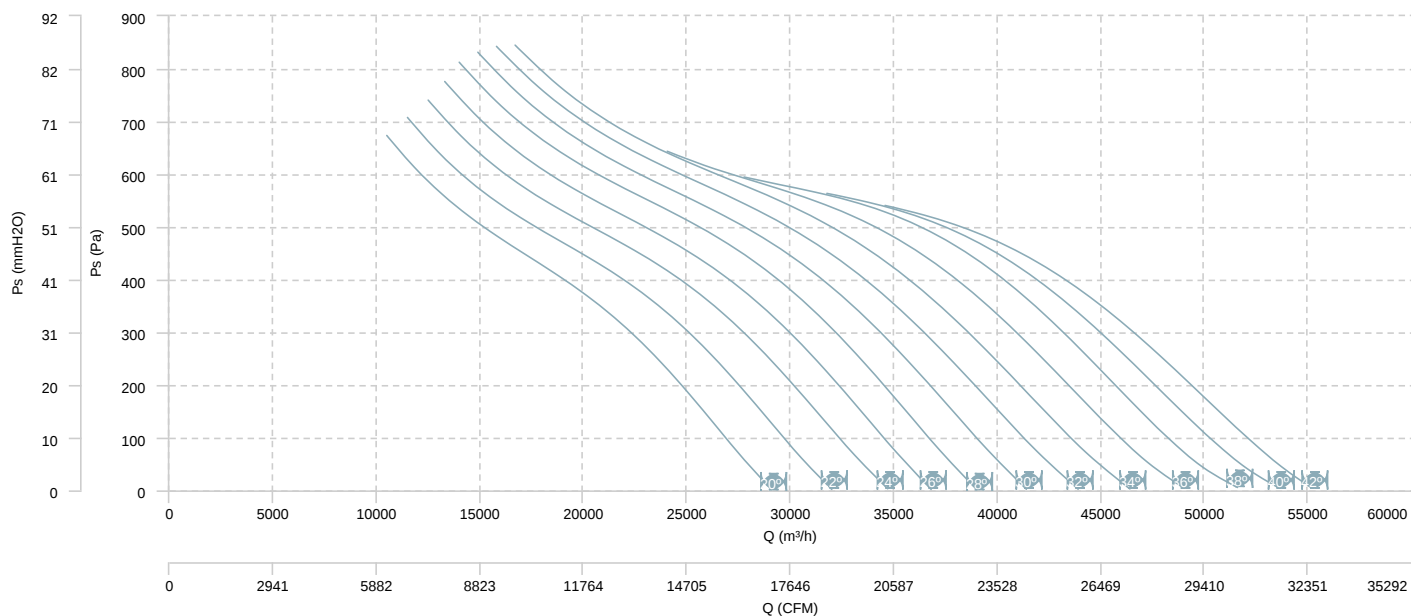


AIR FLOW - MECHANICAL POWER

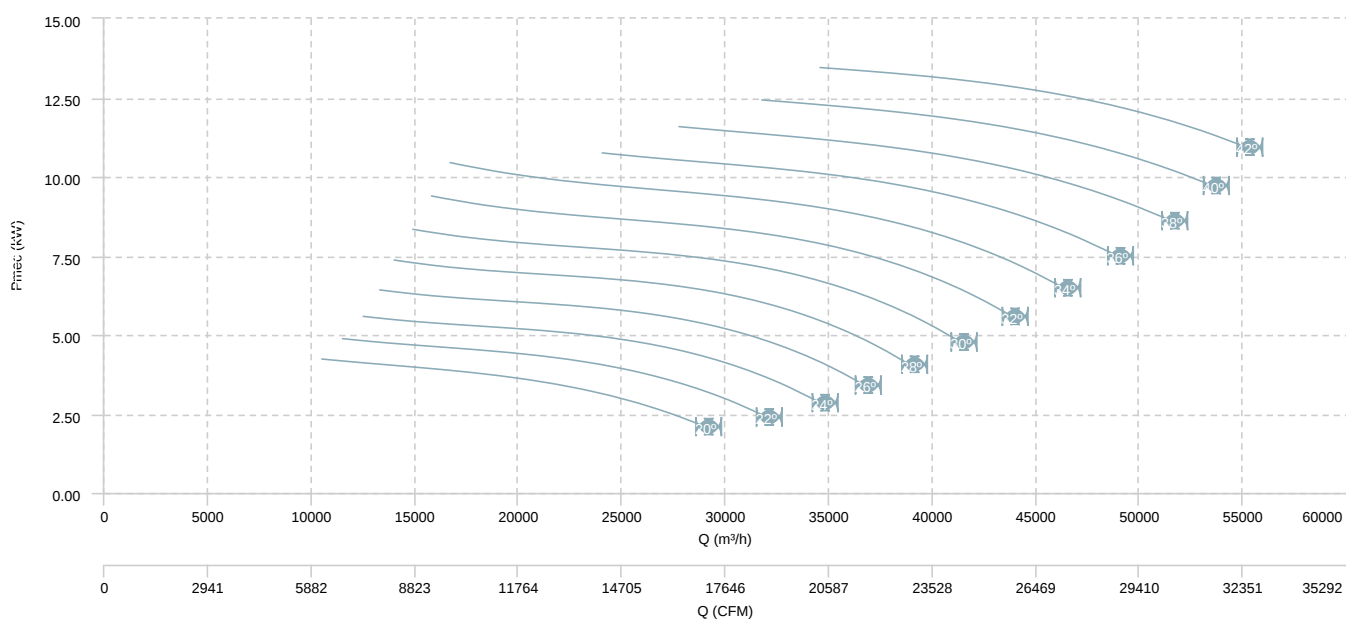


BOX HBF 90 T4 (A6:6) F300

AIR FLOW - PRESSURE

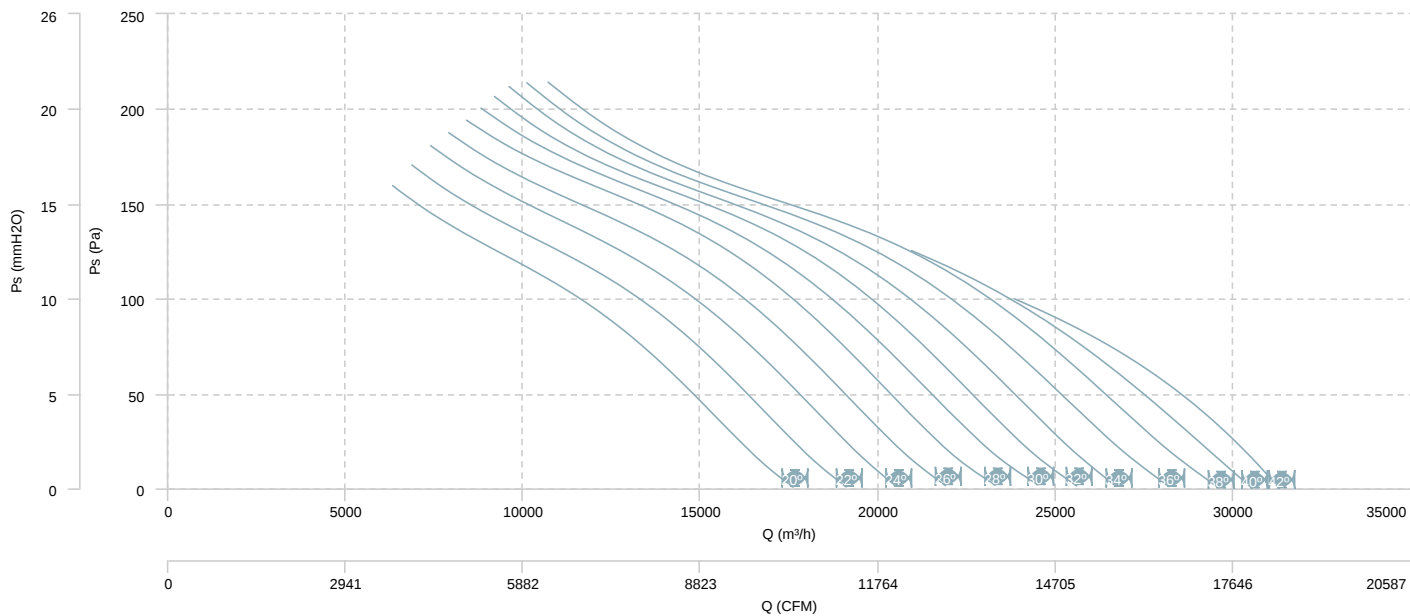


AIR FLOW - MECHANICAL POWER

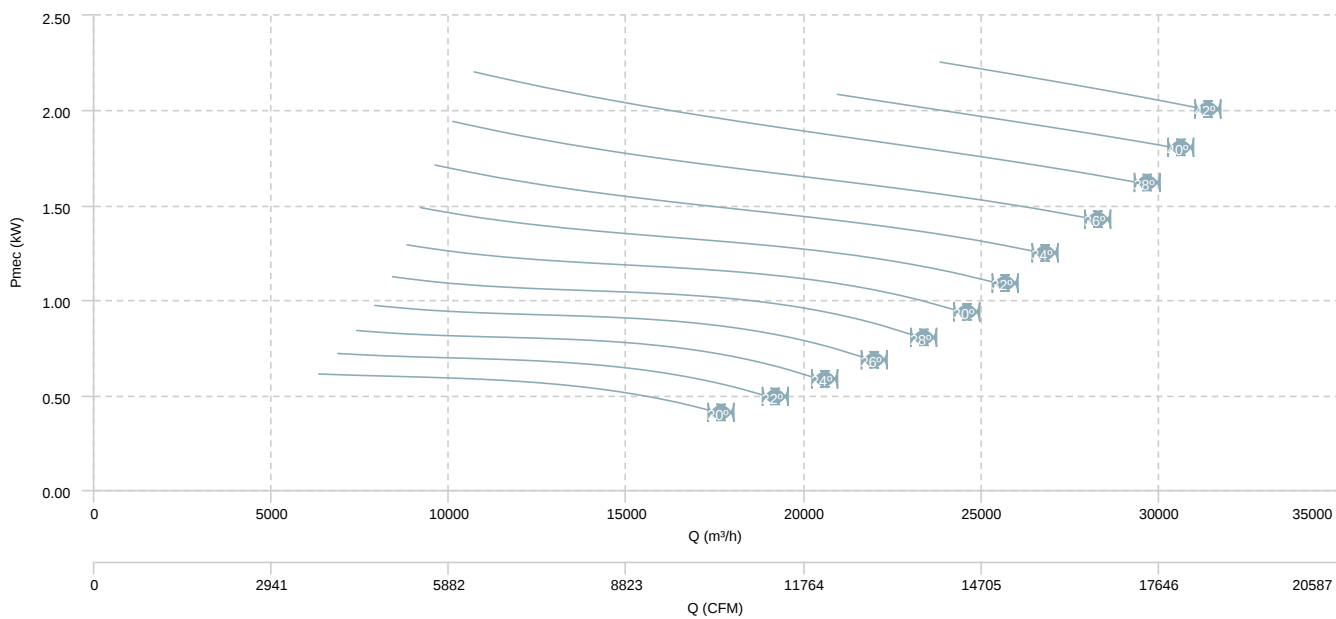


BOX HBF 90 T6 (A6:3) F300

AIR FLOW - PRESSURE

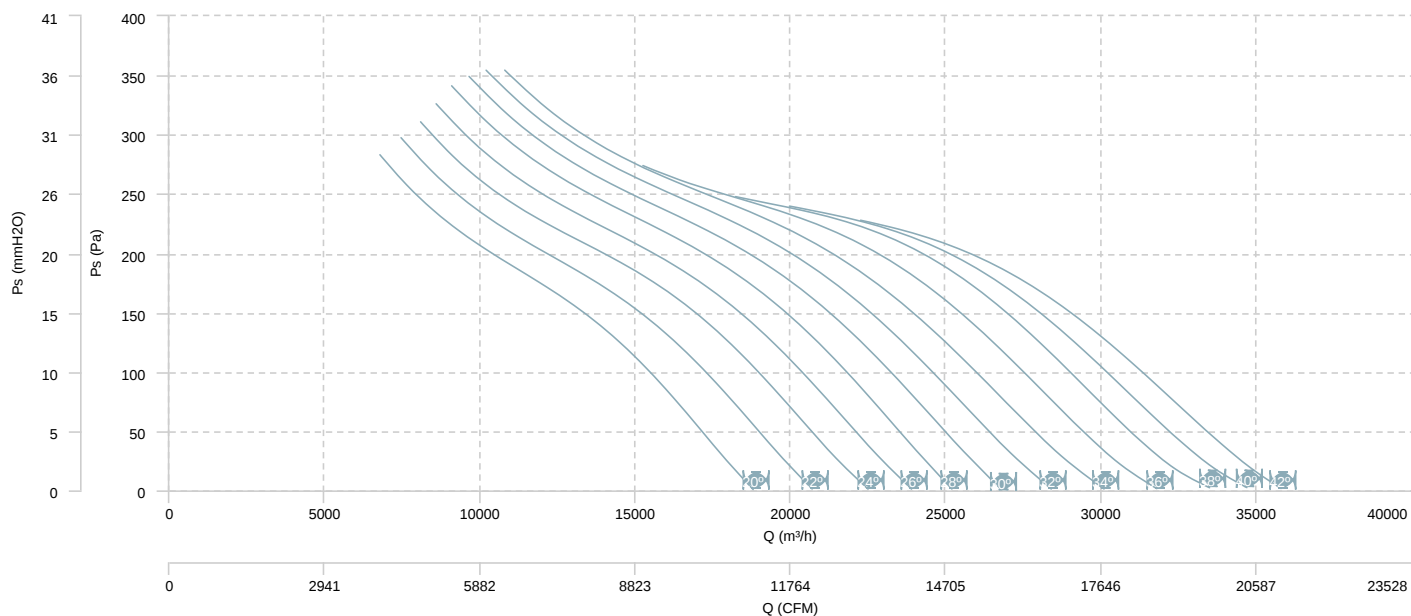


AIR FLOW - MECHANICAL POWER

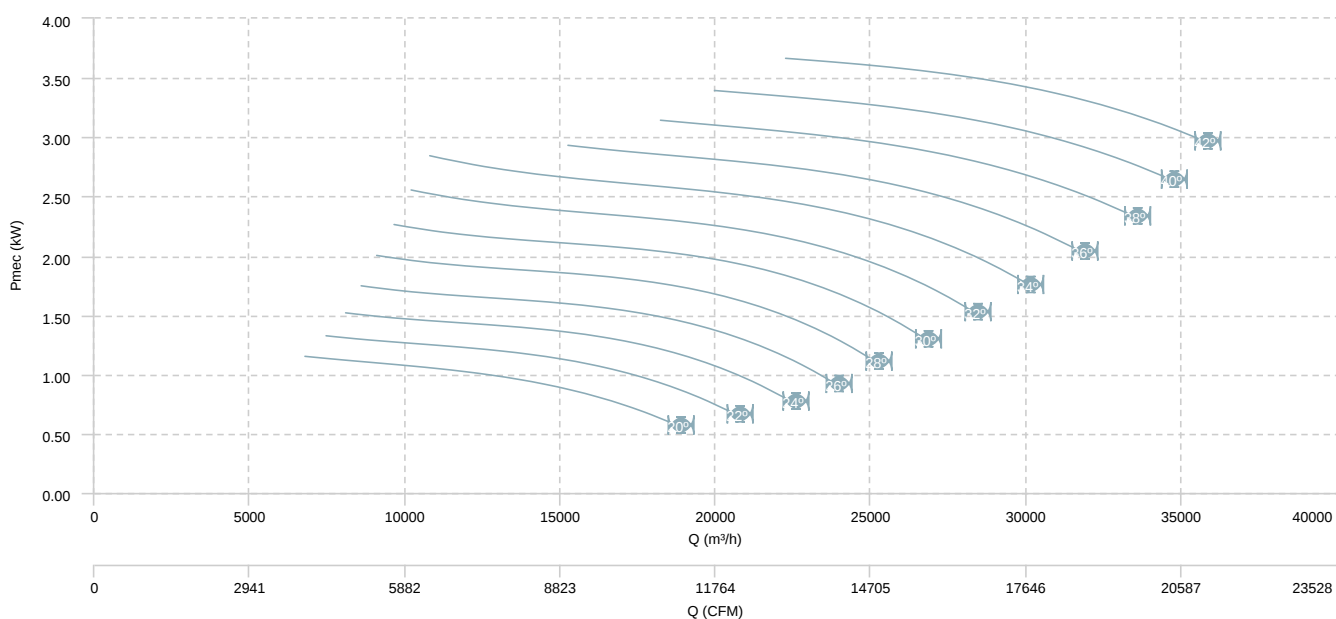


BOX HBF 90 T6 (A6:6) F300

AIR FLOW - PRESSURE

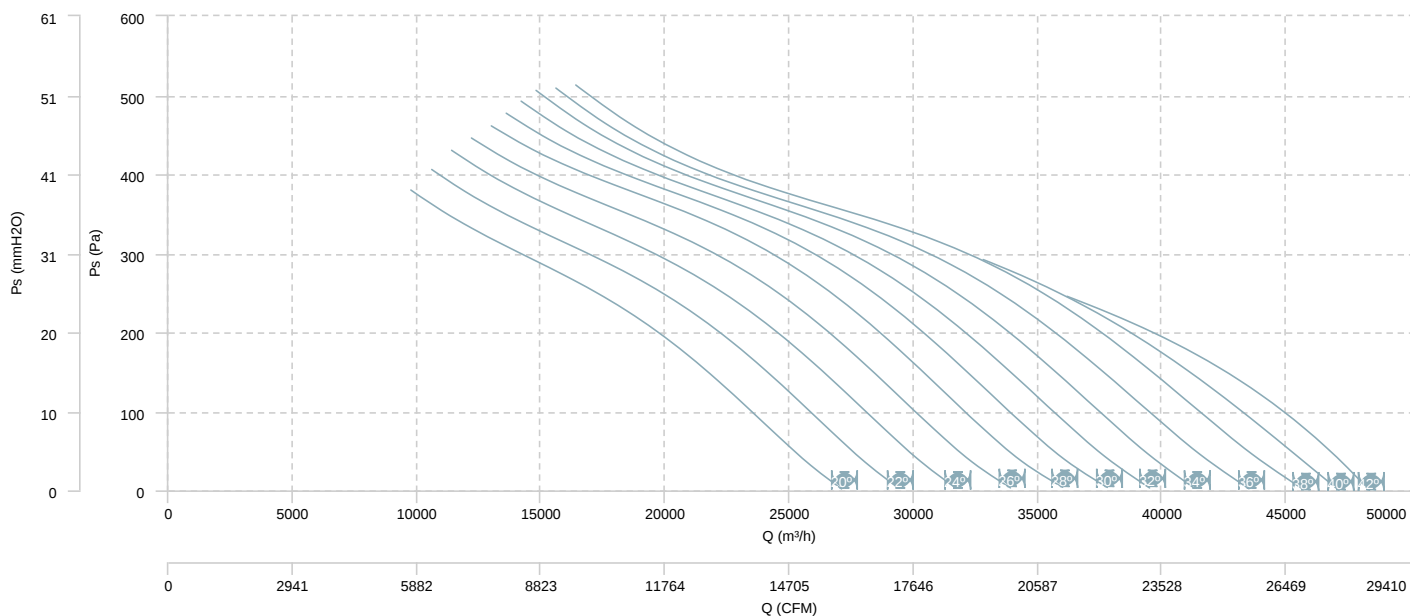


AIR FLOW - MECHANICAL POWER

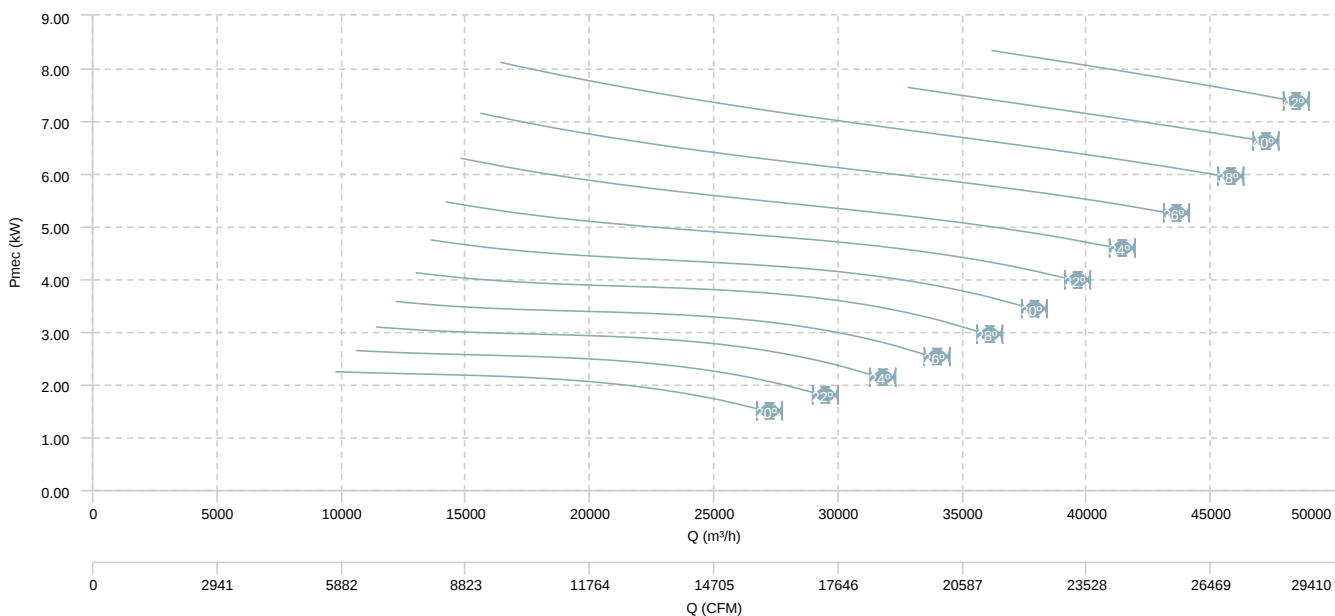


BOX HBF 90 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (4 poles)

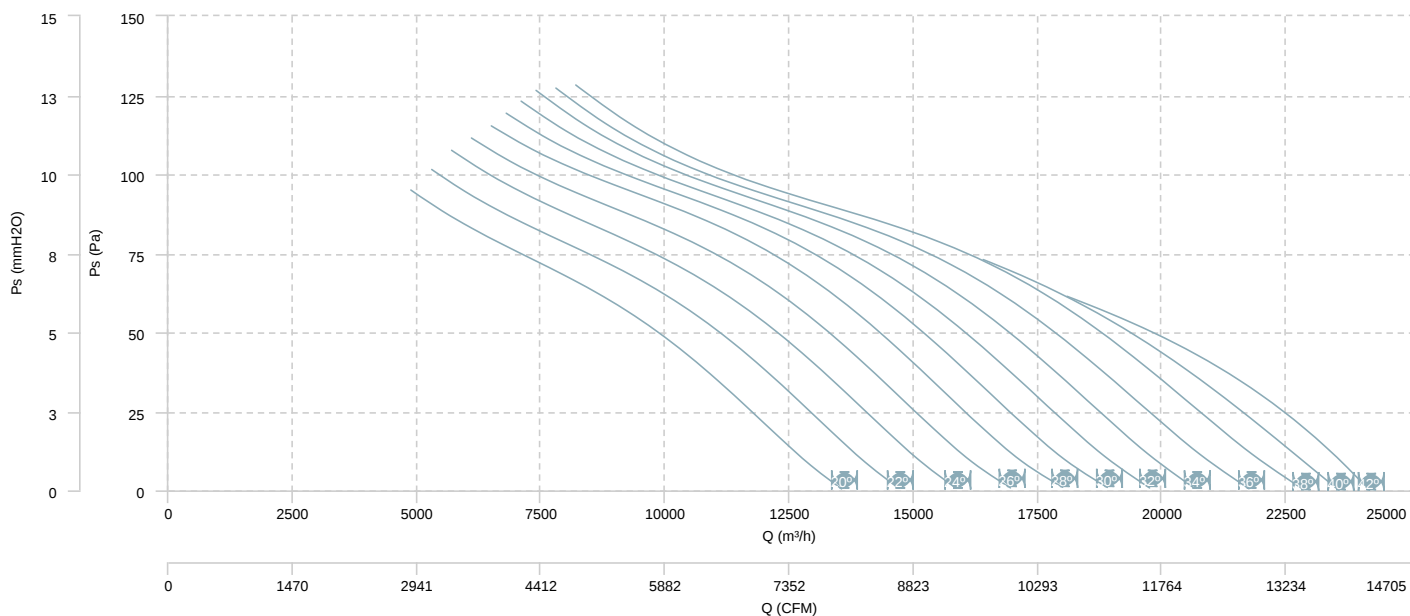


AIR FLOW - MECHANICAL POWER (4 poles)

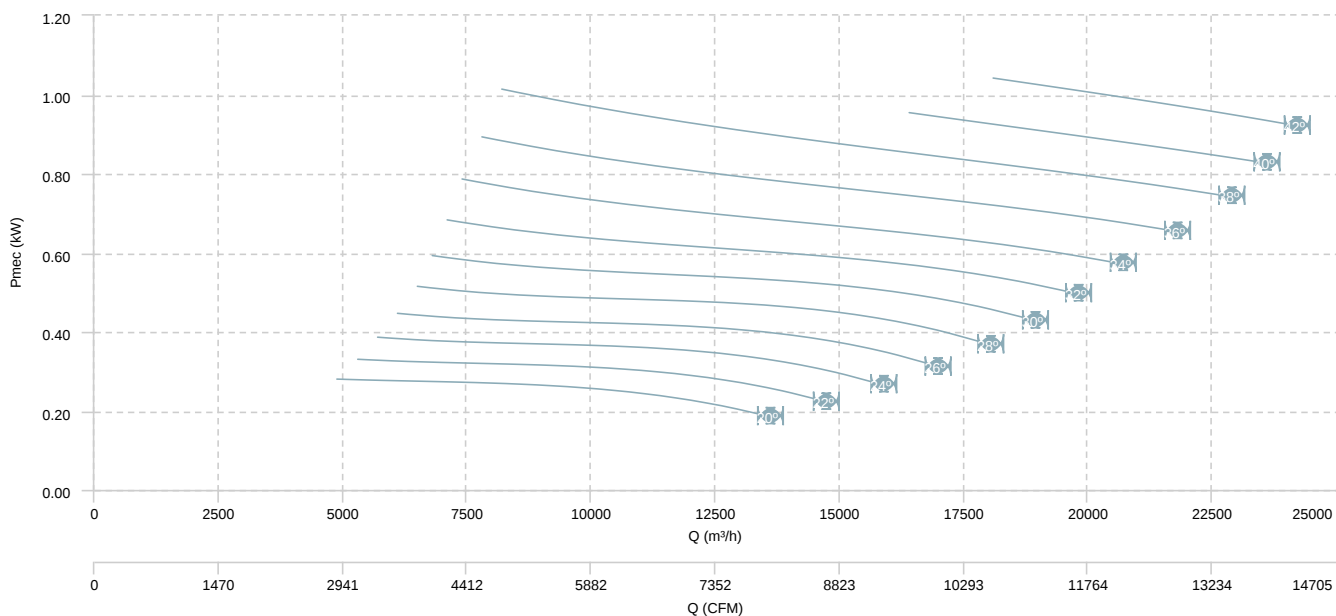


BOX HBF 90 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (8 poles)

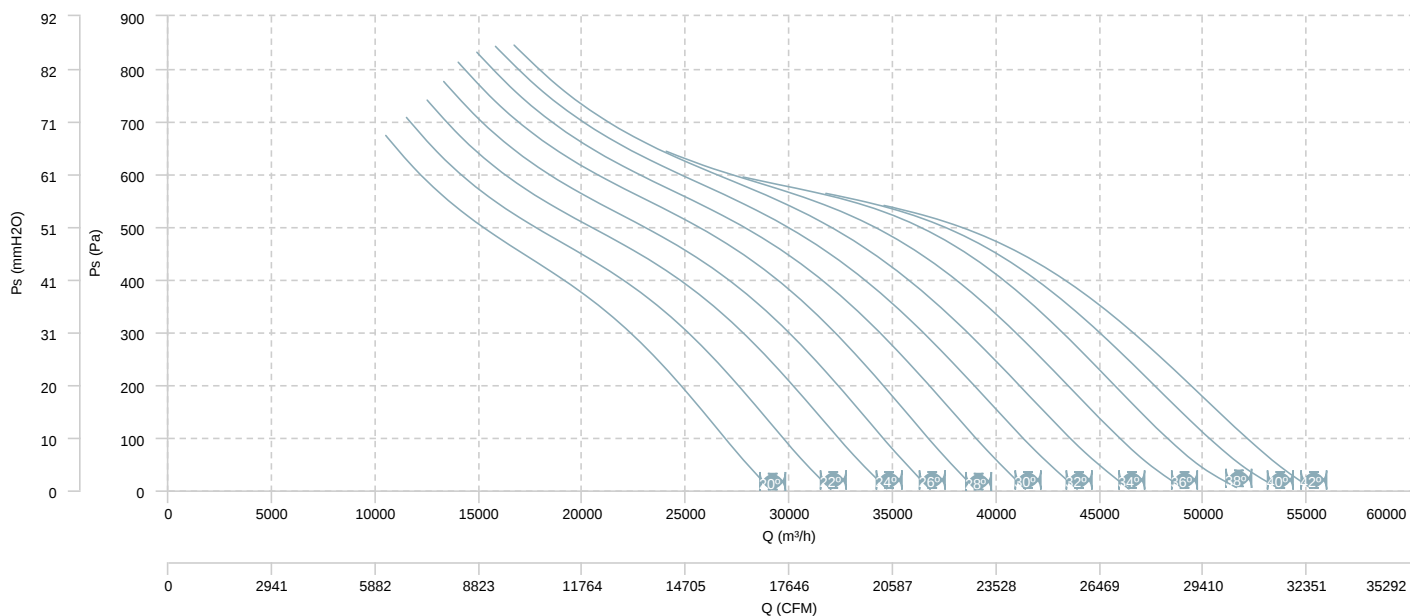


AIR FLOW - MECHANICAL POWER (8 poles)

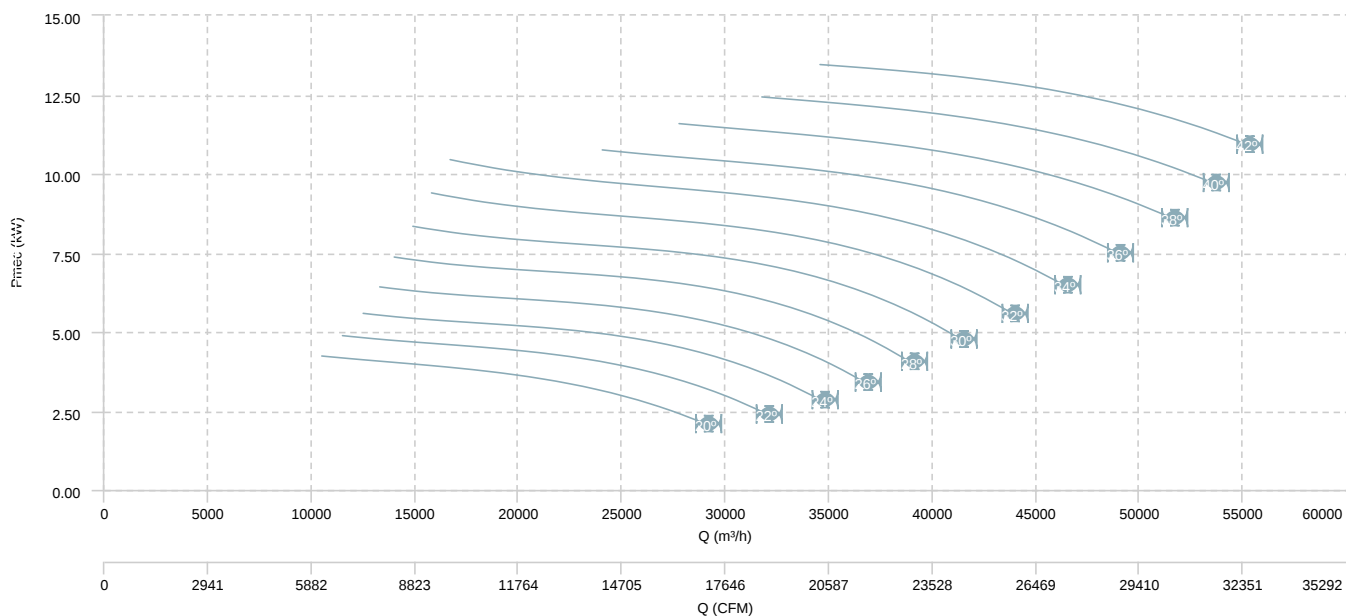


BOX HBF 90 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (4 poles)

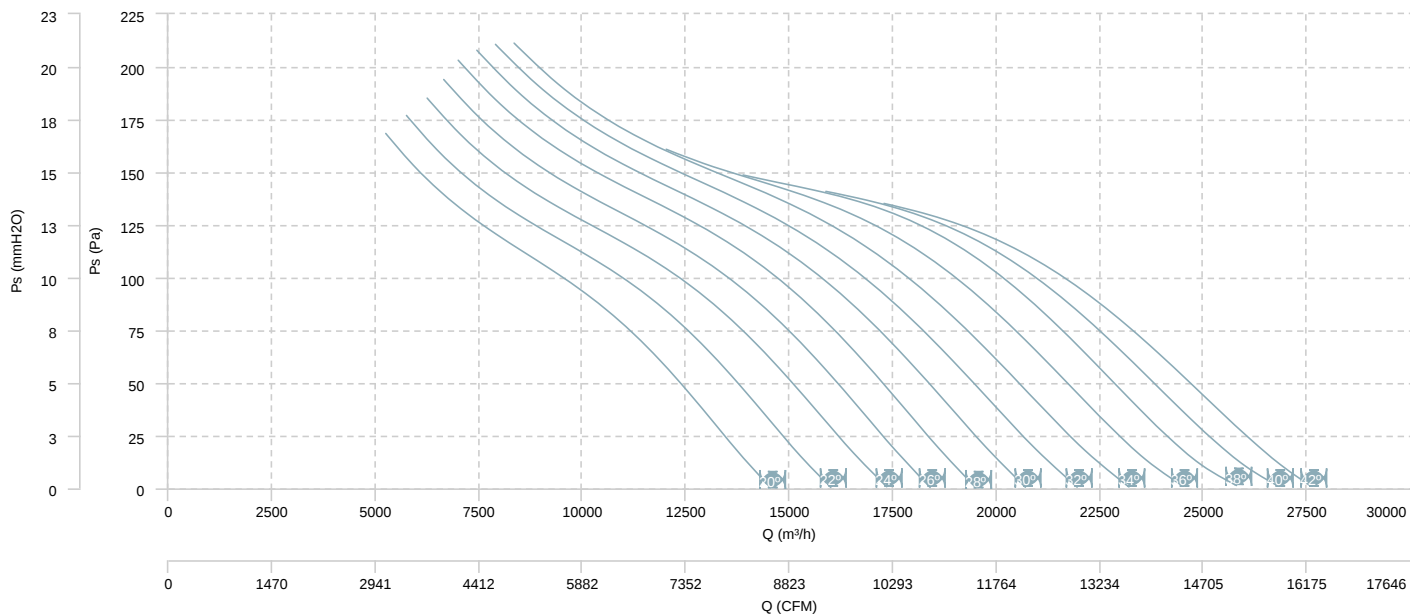


AIR FLOW - MECHANICAL POWER (4 poles)

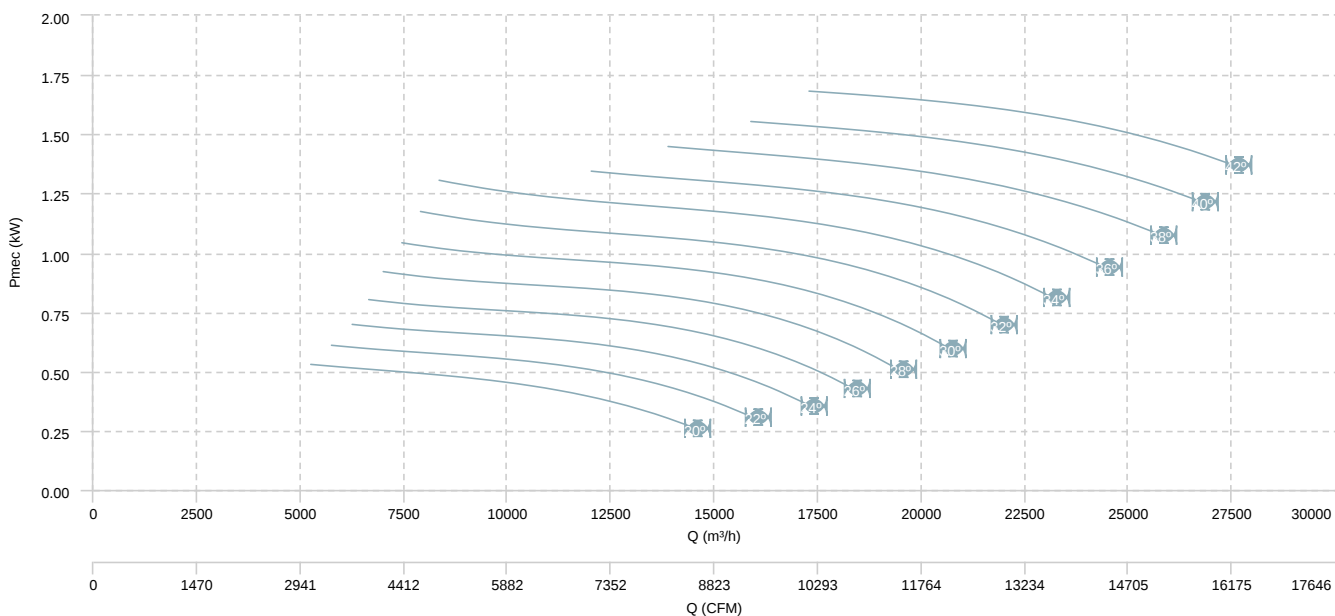


BOX HBF 90 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (8 poles)

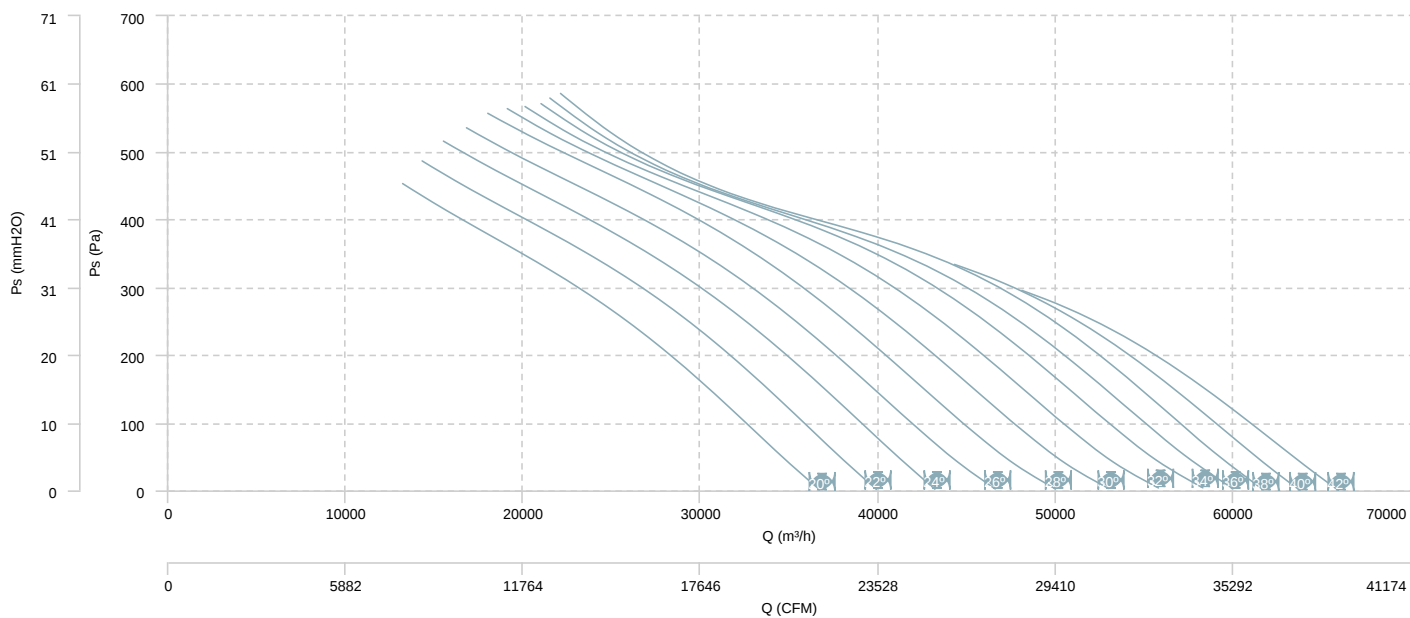


AIR FLOW - MECHANICAL POWER (8 poles)

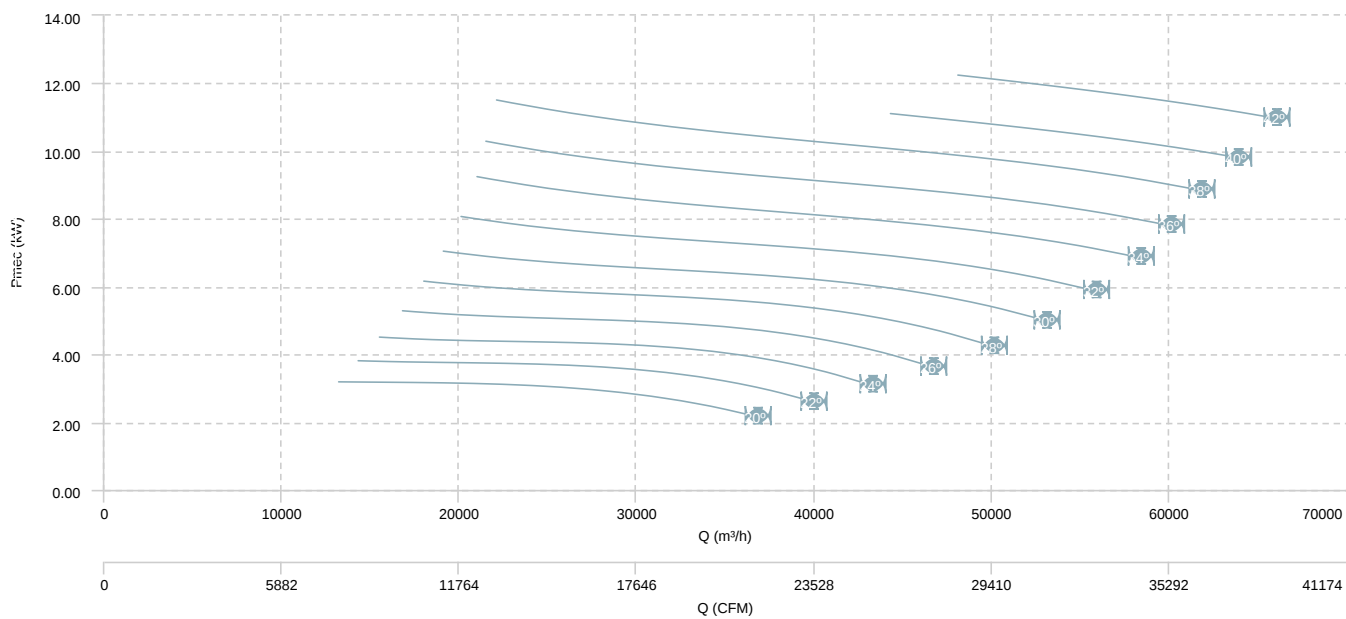


BOX HBF 100 T4 (A6:3) F300

AIR FLOW - PRESSURE

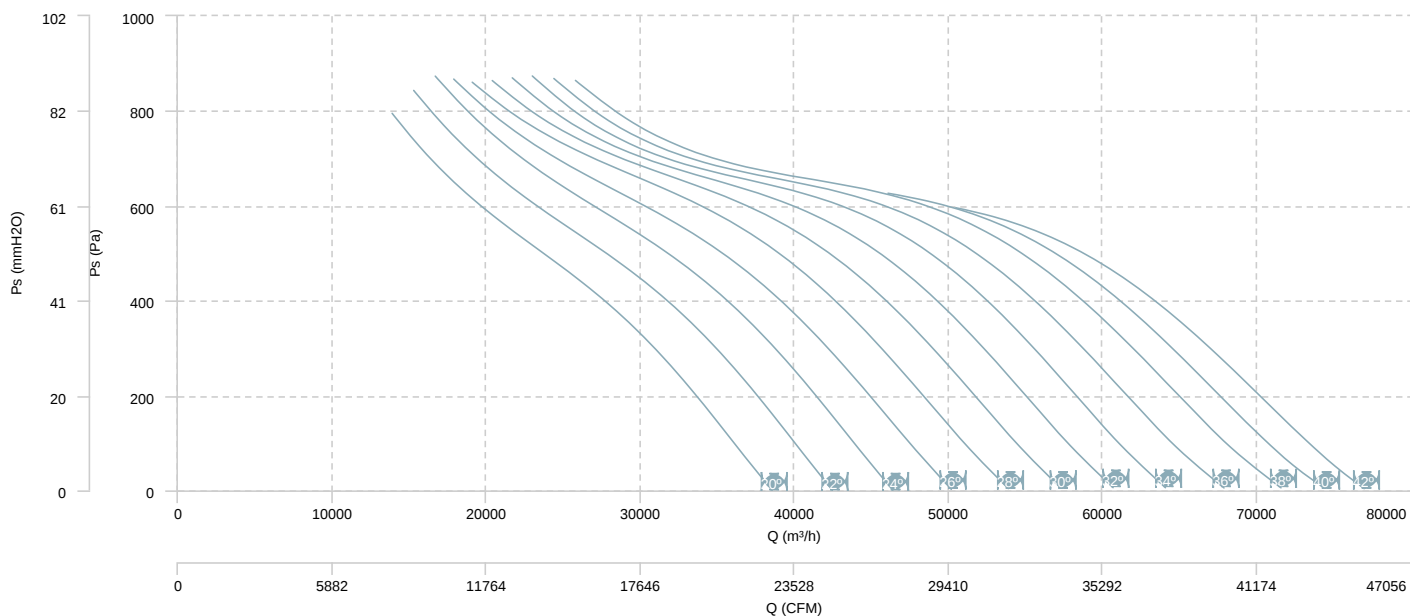


AIR FLOW - MECHANICAL POWER

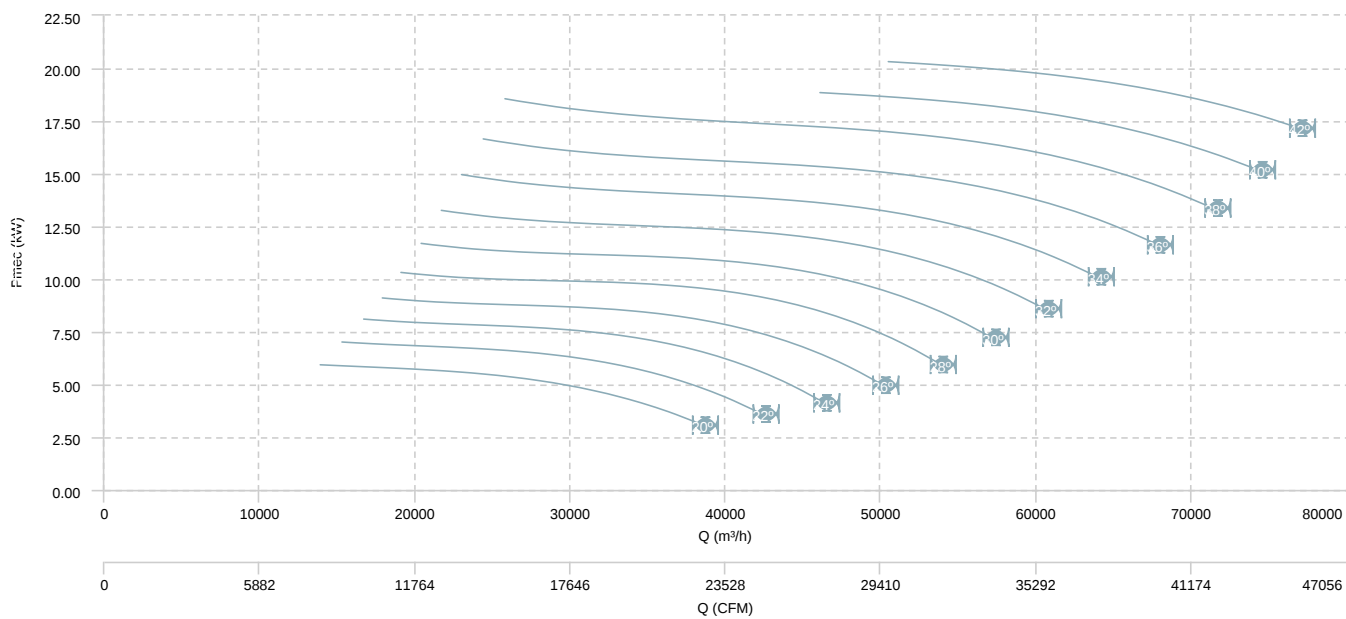


BOX HBF 100 T4 (A6:6) F300

AIR FLOW - PRESSURE

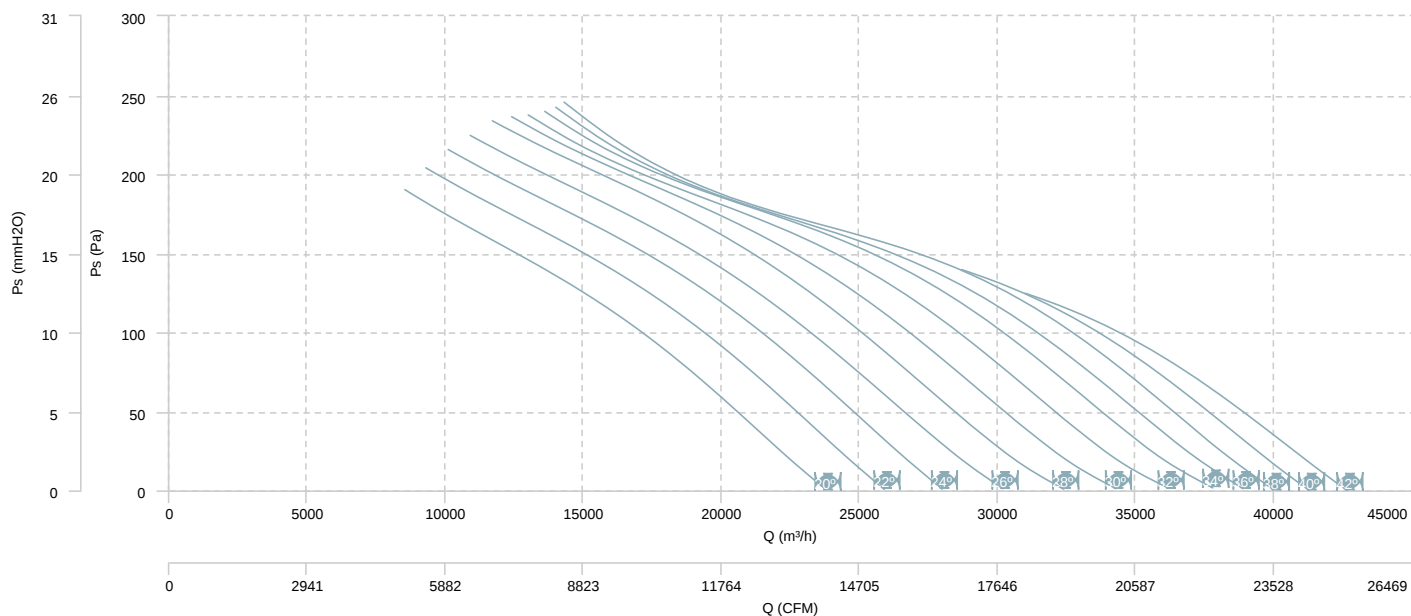


AIR FLOW - MECHANICAL POWER

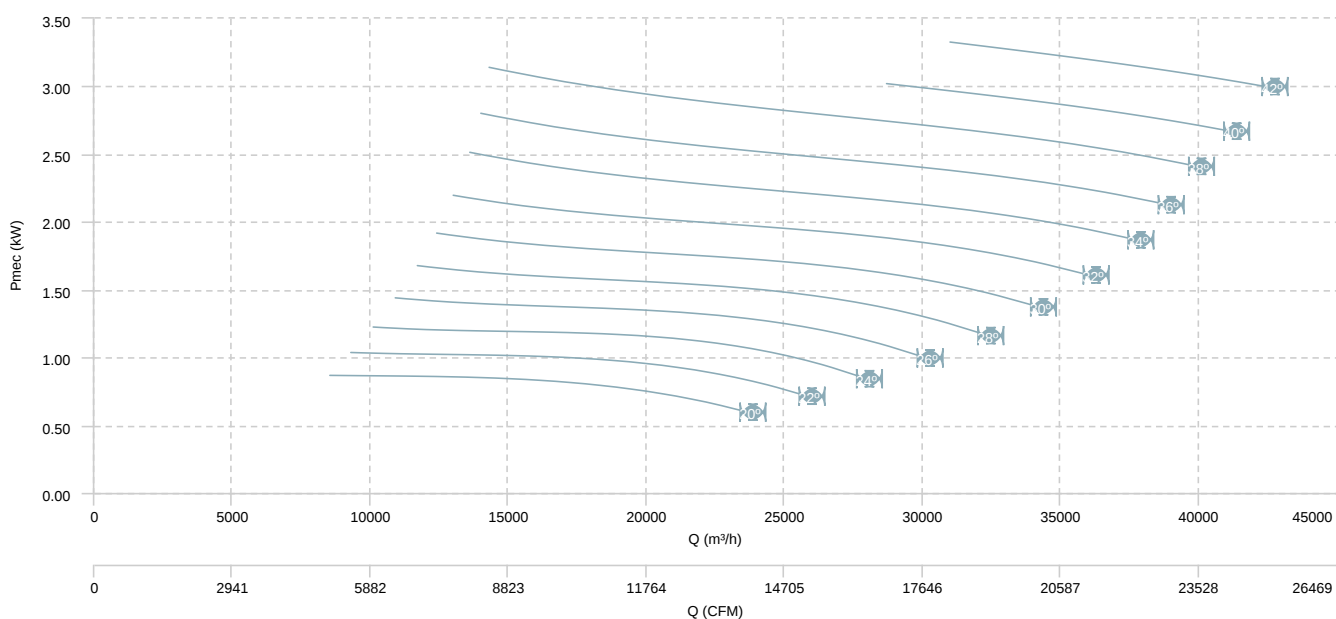


BOX HBF 100 T6 (A6:3) F300

AIR FLOW - PRESSURE

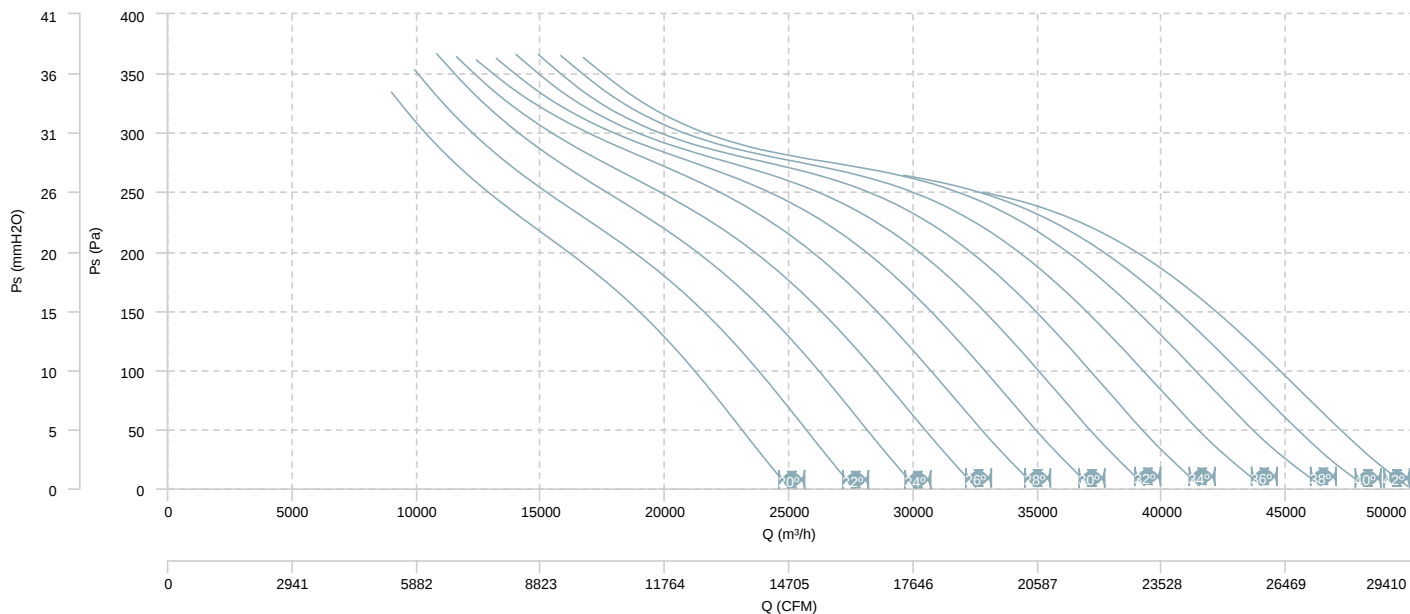


AIR FLOW - MECHANICAL POWER

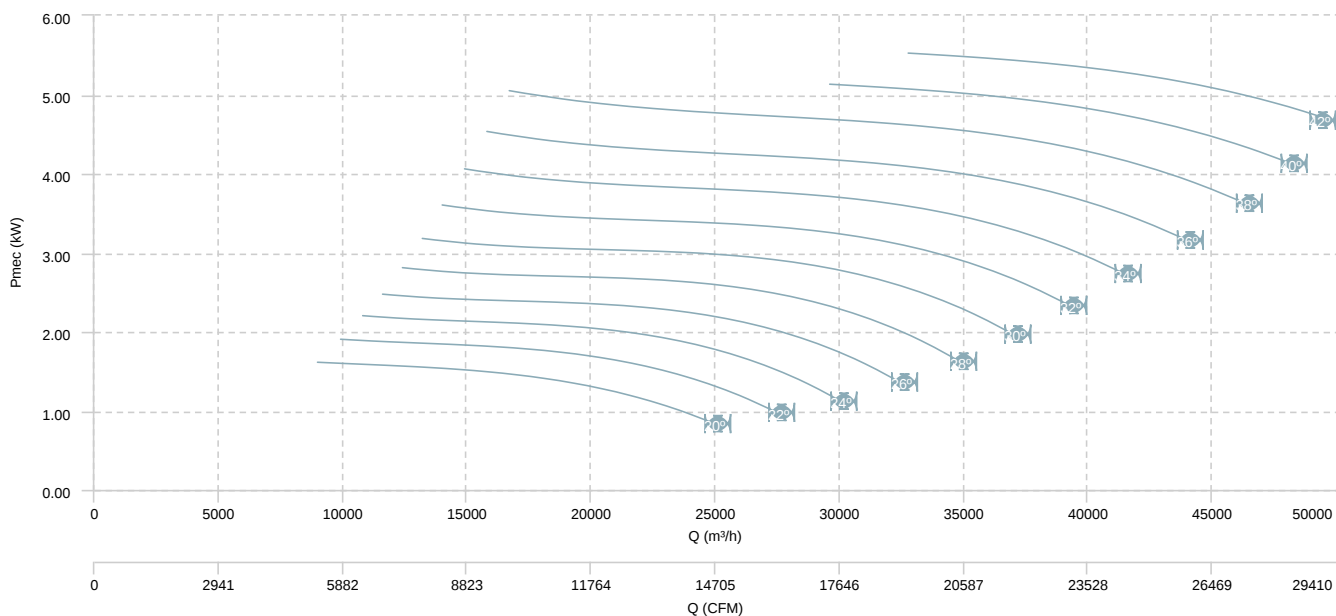


BOX HBF 100 T6 (A6:6) F300

AIR FLOW - PRESSURE

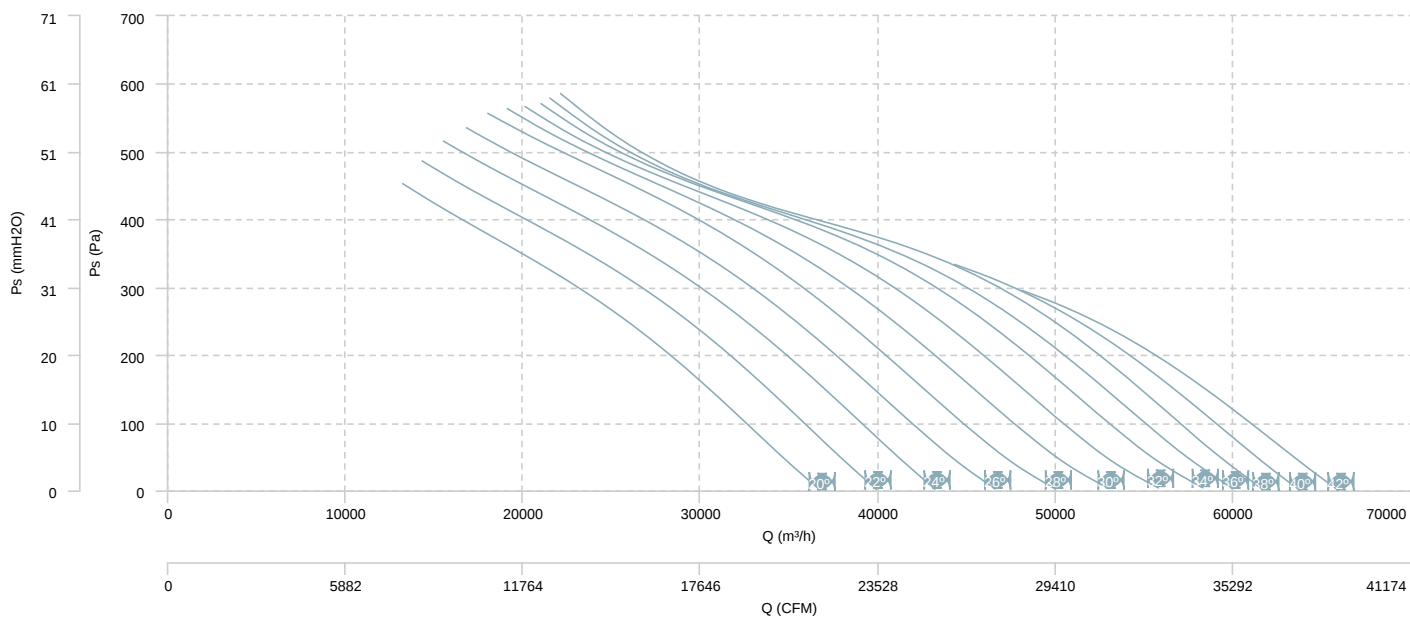


AIR FLOW - MECHANICAL POWER

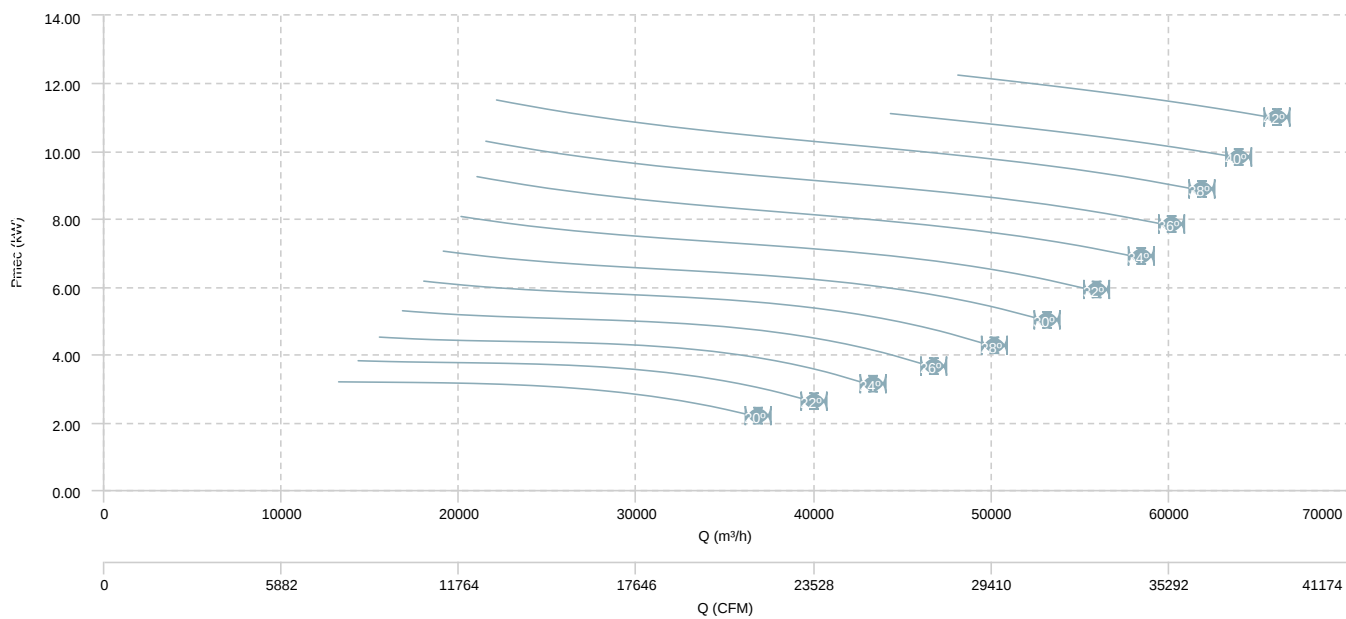


BOX HBF 100 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (4 poles)

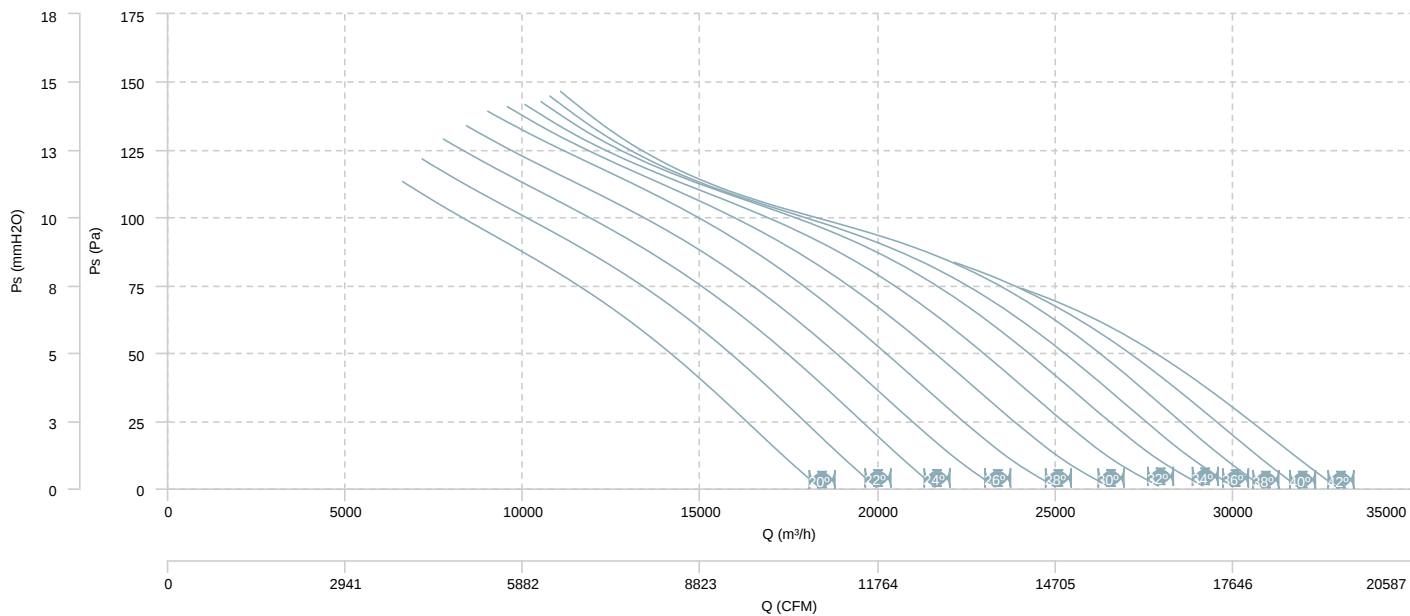


AIR FLOW - MECHANICAL POWER (4 poles)

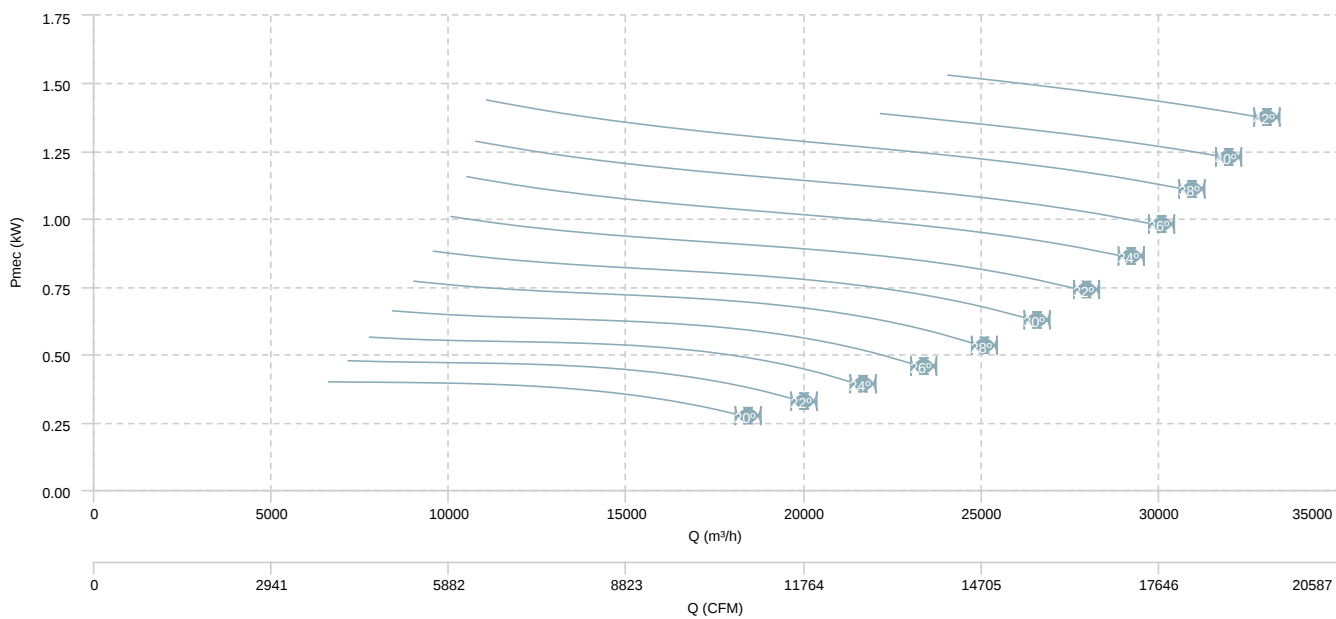


BOX HBF 100 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (8 poles)

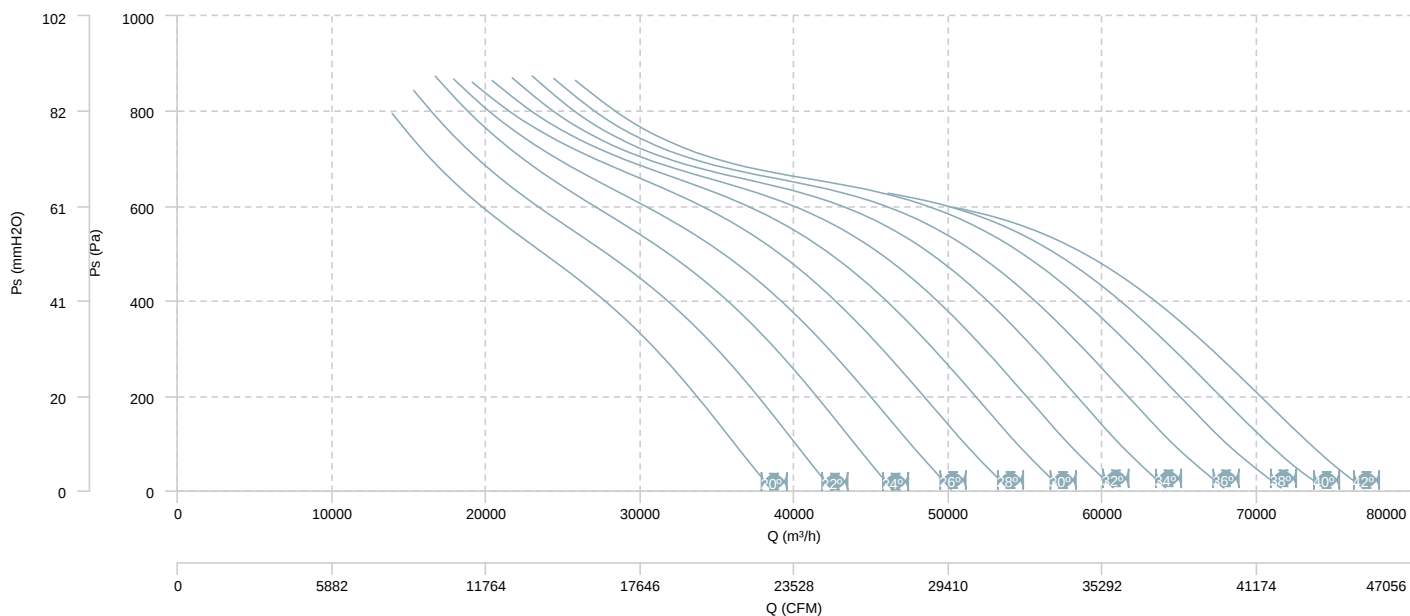


AIR FLOW - MECHANICAL POWER (8 poles)

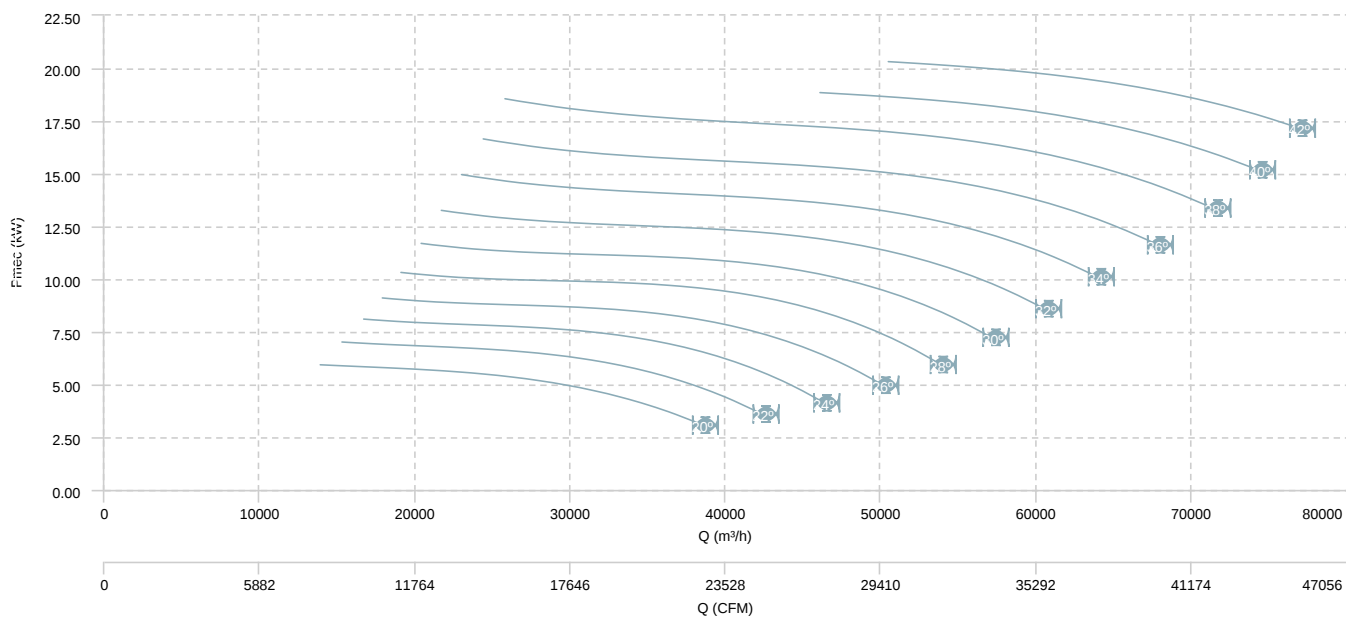


BOX HBF 100 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (4 poles)

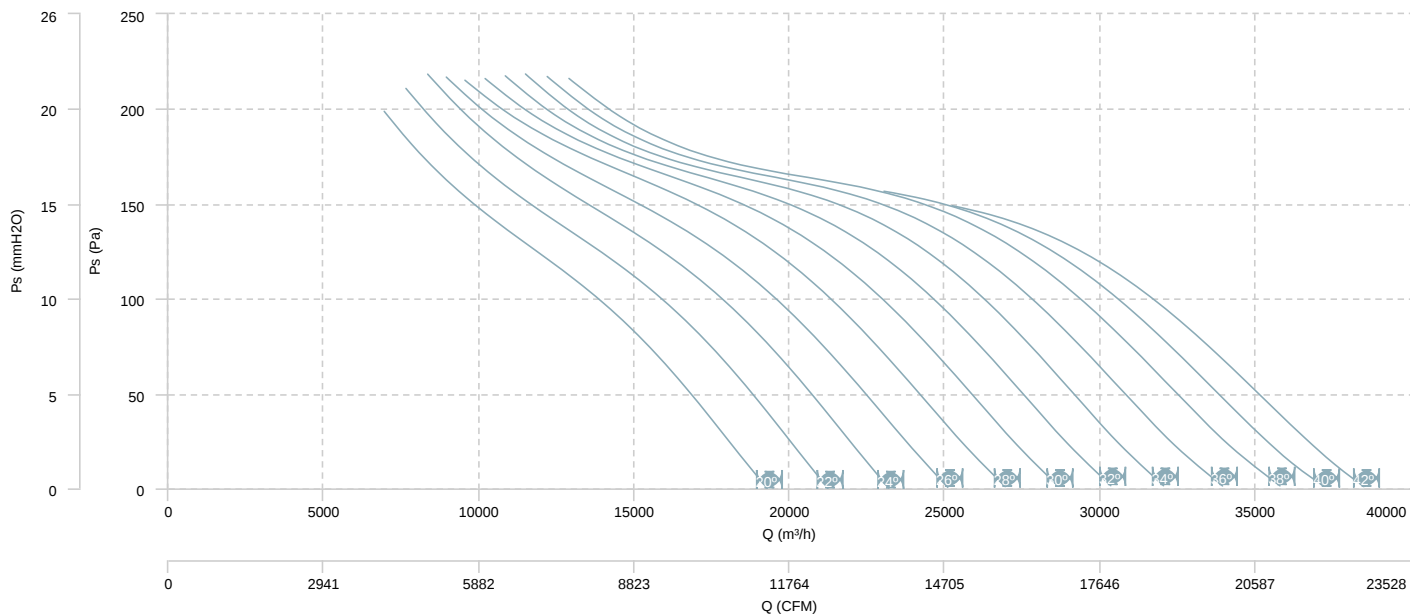


AIR FLOW - MECHANICAL POWER (4 poles)

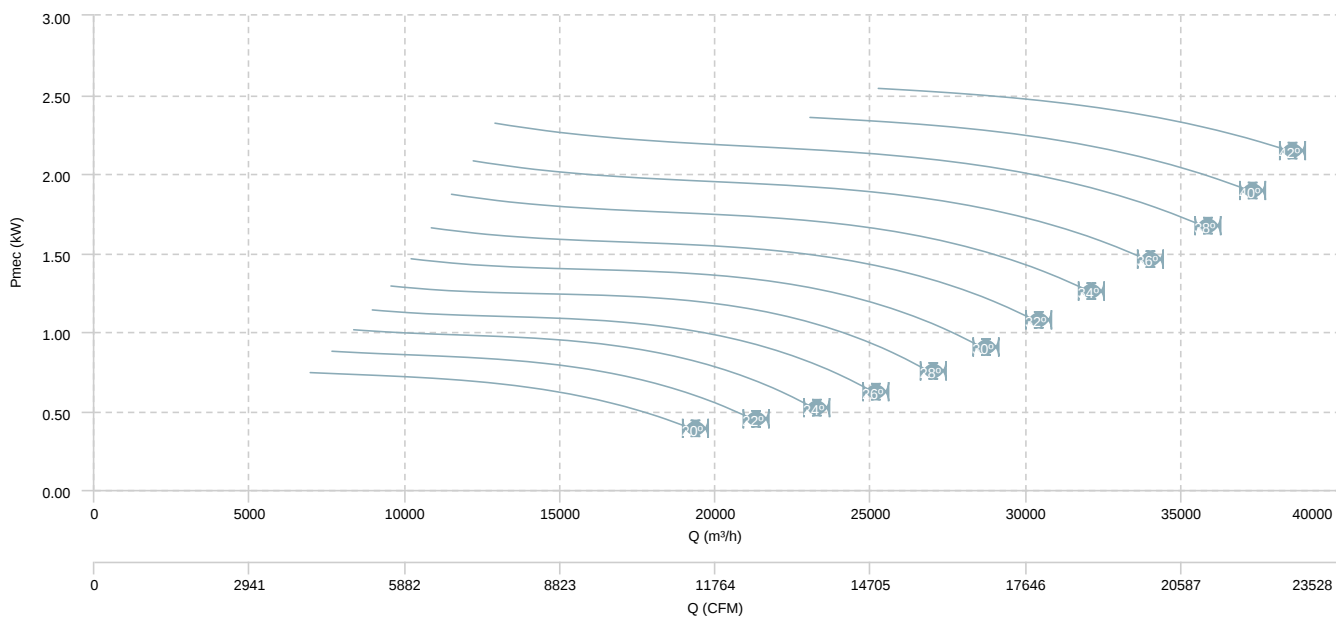


BOX HBF 100 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (8 poles)

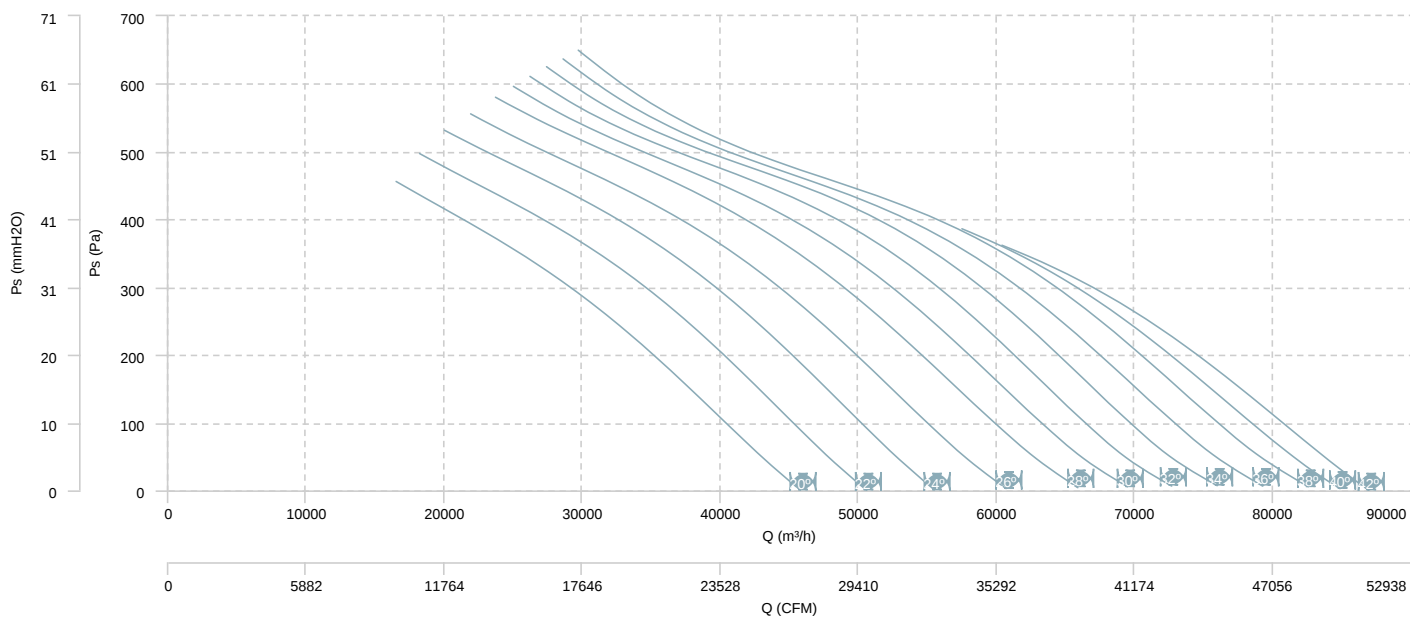


AIR FLOW - MECHANICAL POWER (8 poles)

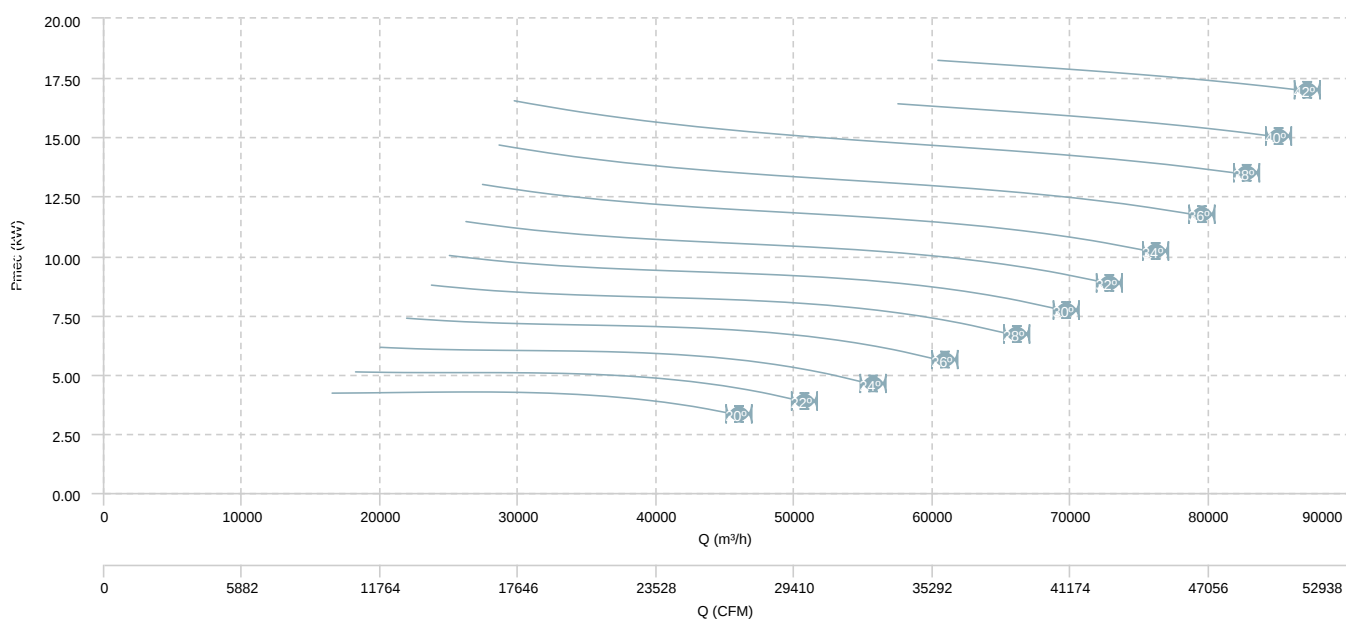


BOX HBF 112 T4 (A6:3) F300

AIR FLOW - PRESSURE

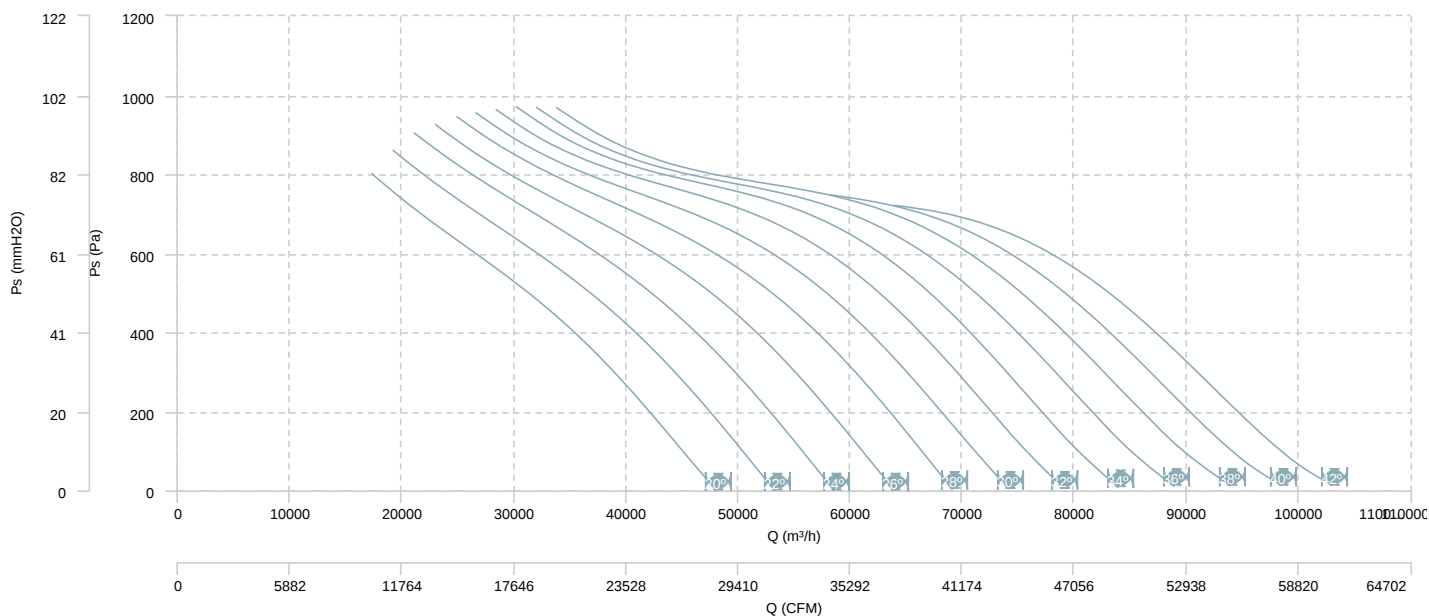


AIR FLOW - MECHANICAL POWER

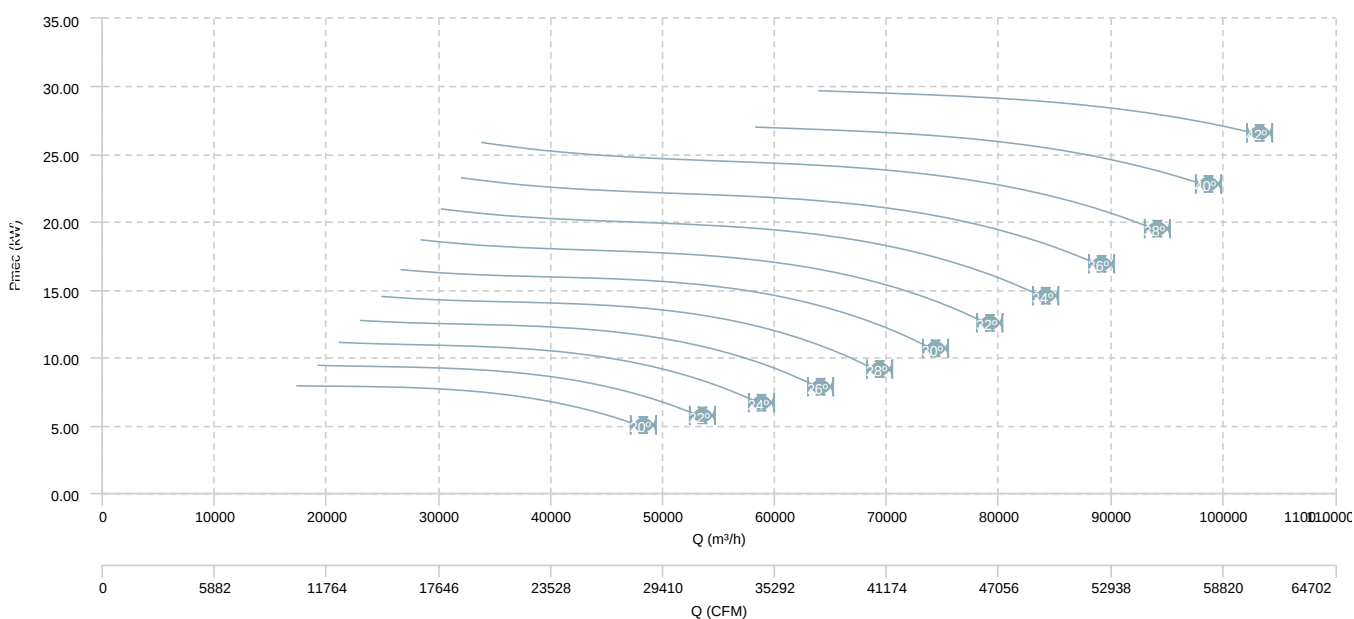


BOX HBF 112 T4 (A6:6) F300

AIR FLOW - PRESSURE

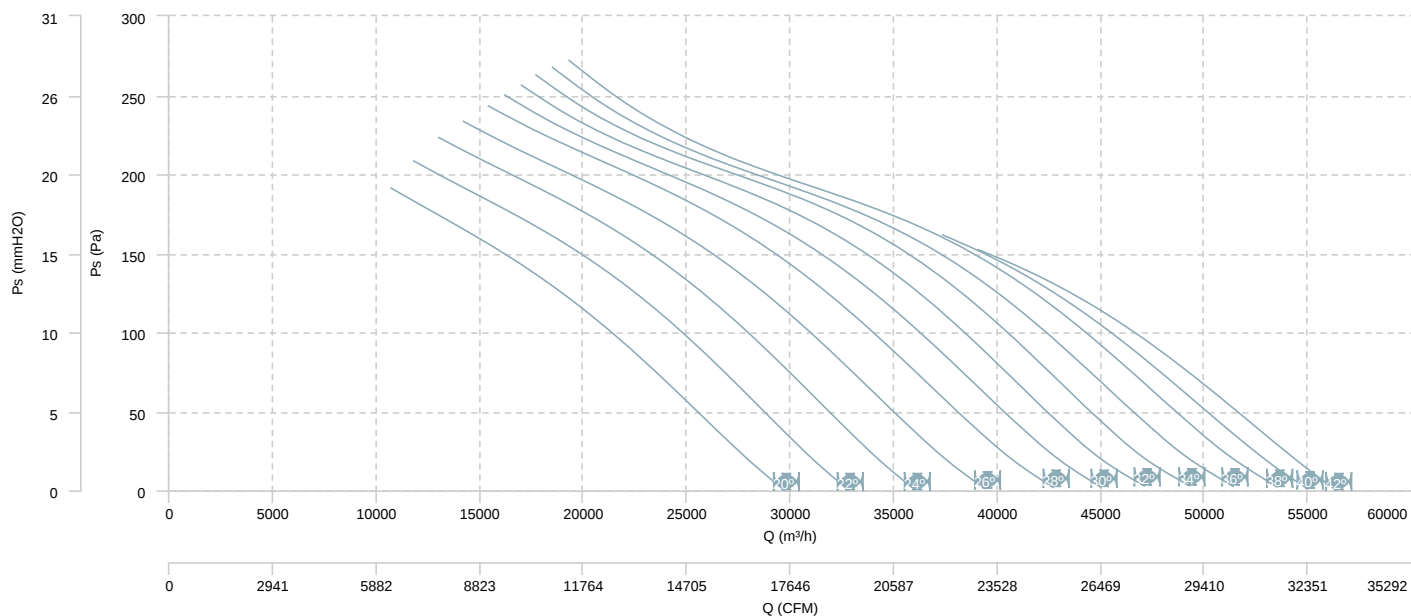


AIR FLOW - MECHANICAL POWER

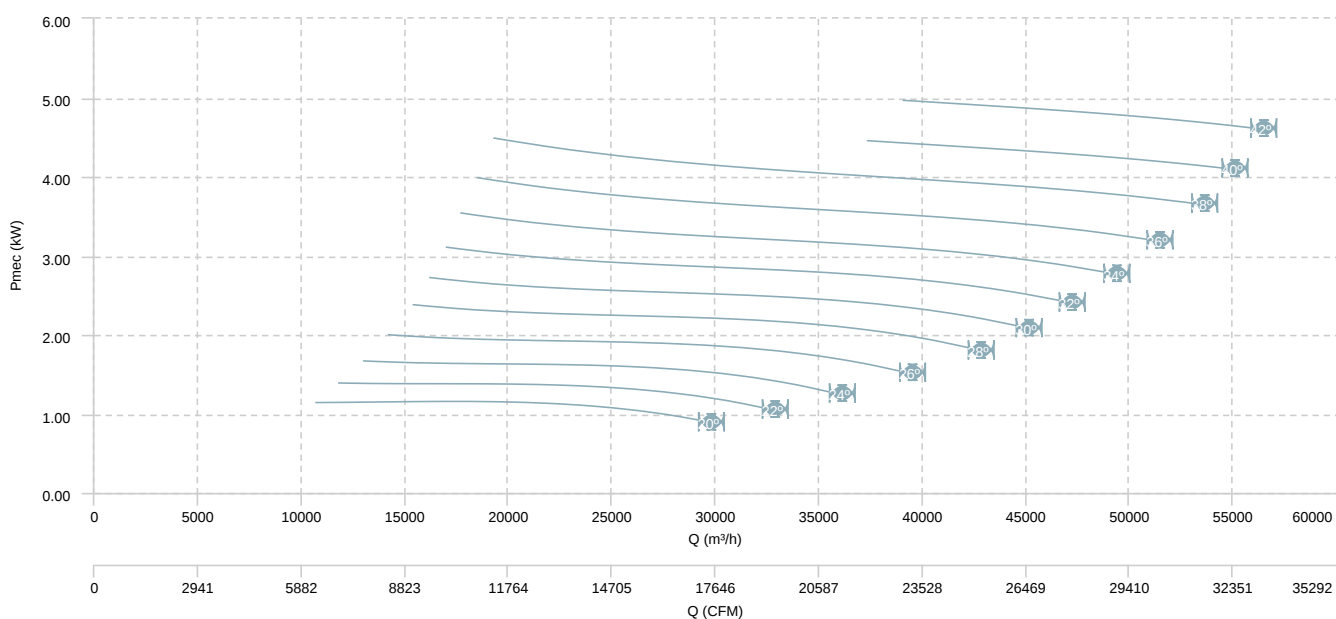


BOX HBF 112 T6 (A6:3) F300

AIR FLOW - PRESSURE

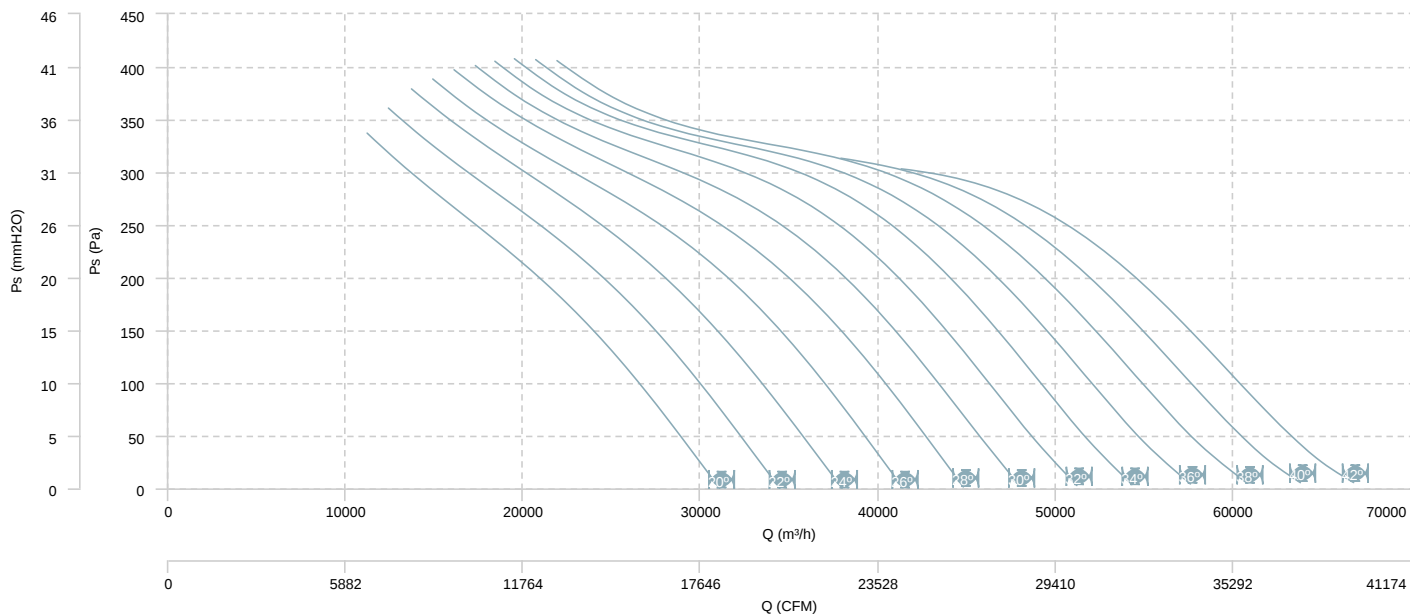


AIR FLOW - MECHANICAL POWER

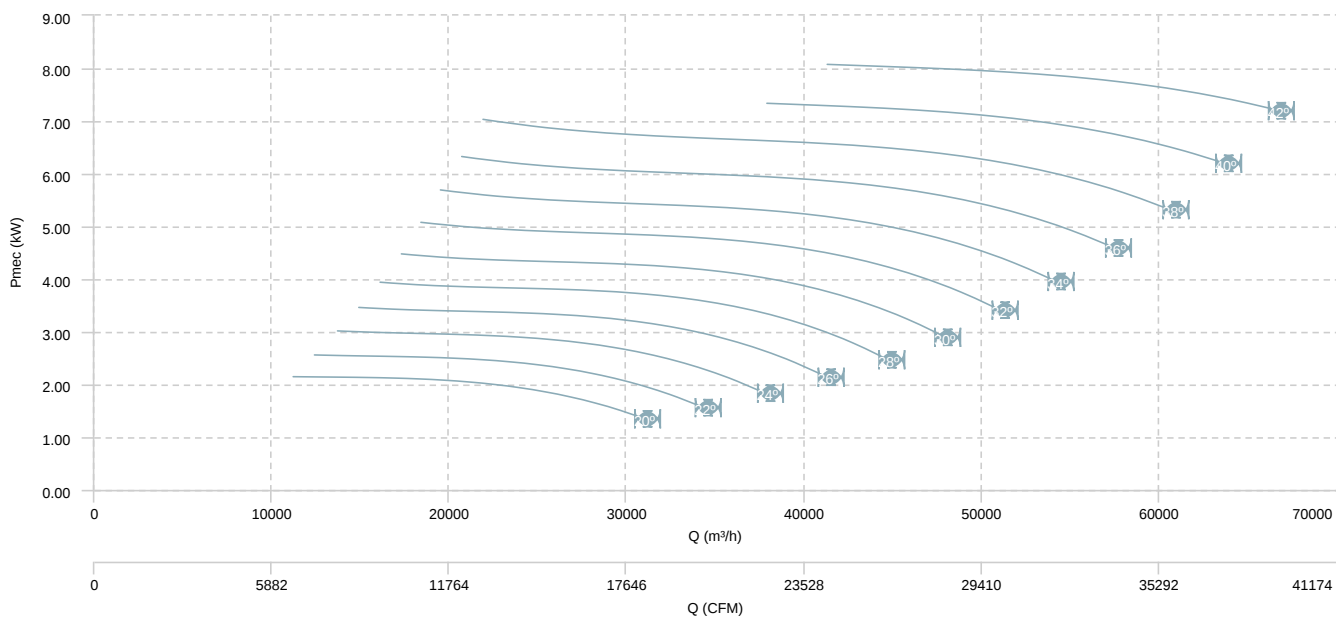


BOX HBF 112 T6 (A6:6) F300

AIR FLOW - PRESSURE

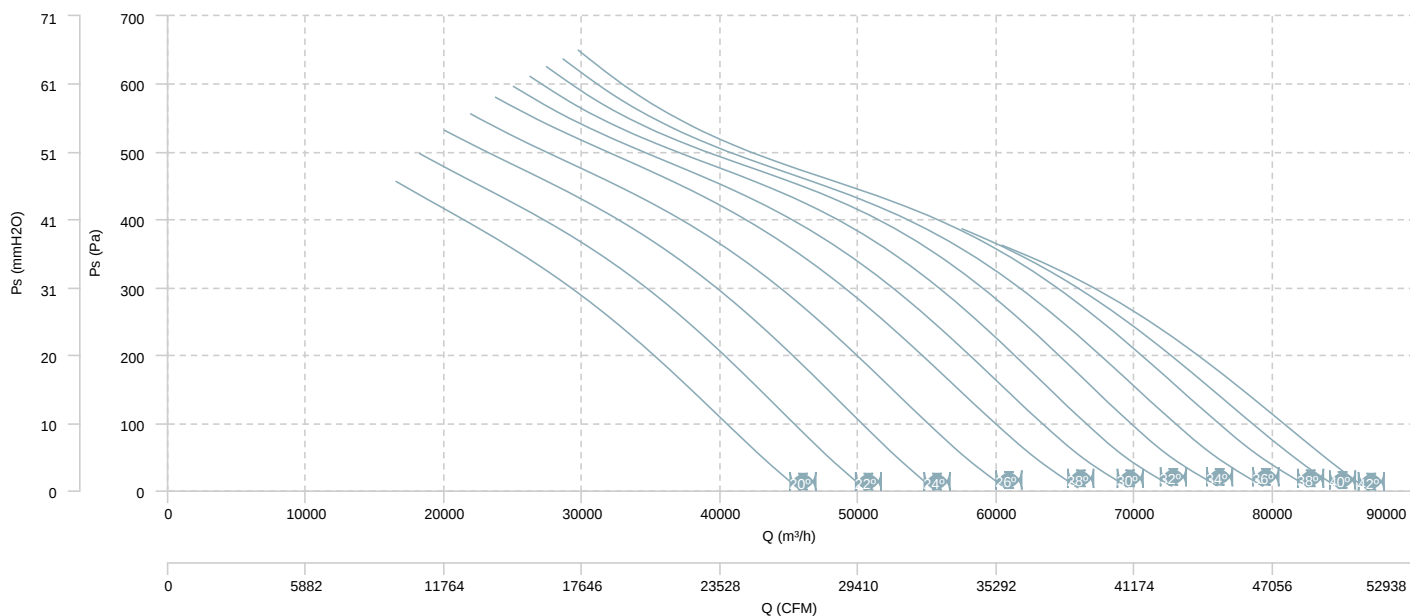


AIR FLOW - MECHANICAL POWER

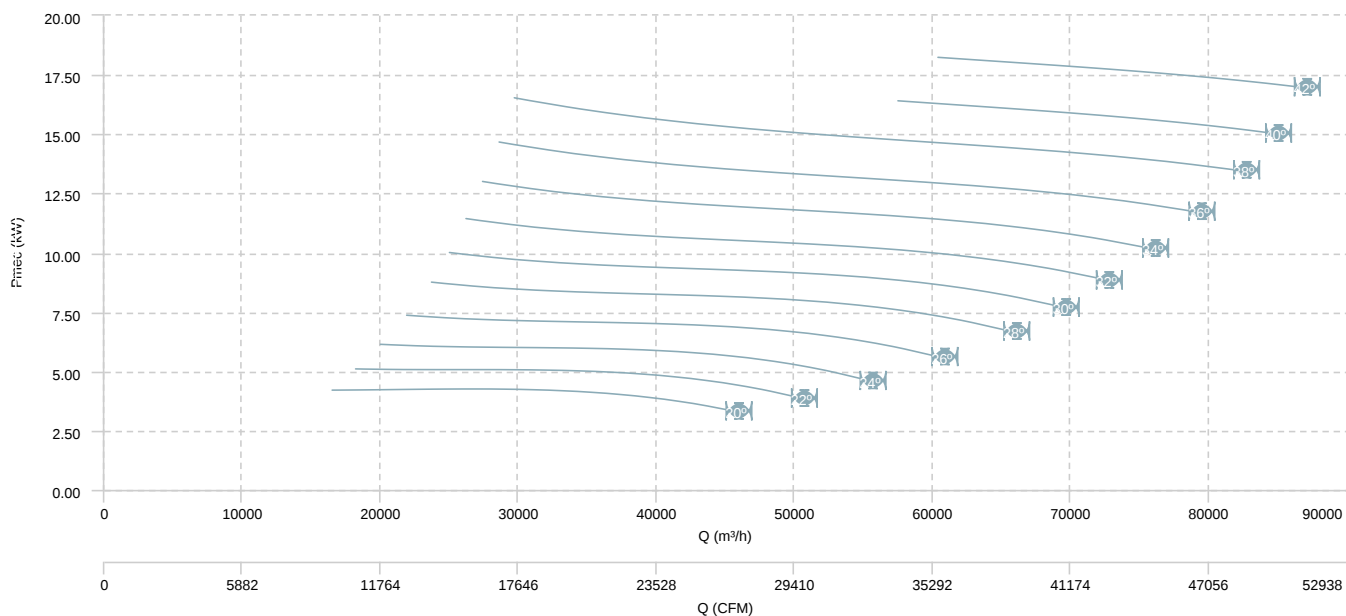


BOX HBF 112 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (4 poles)

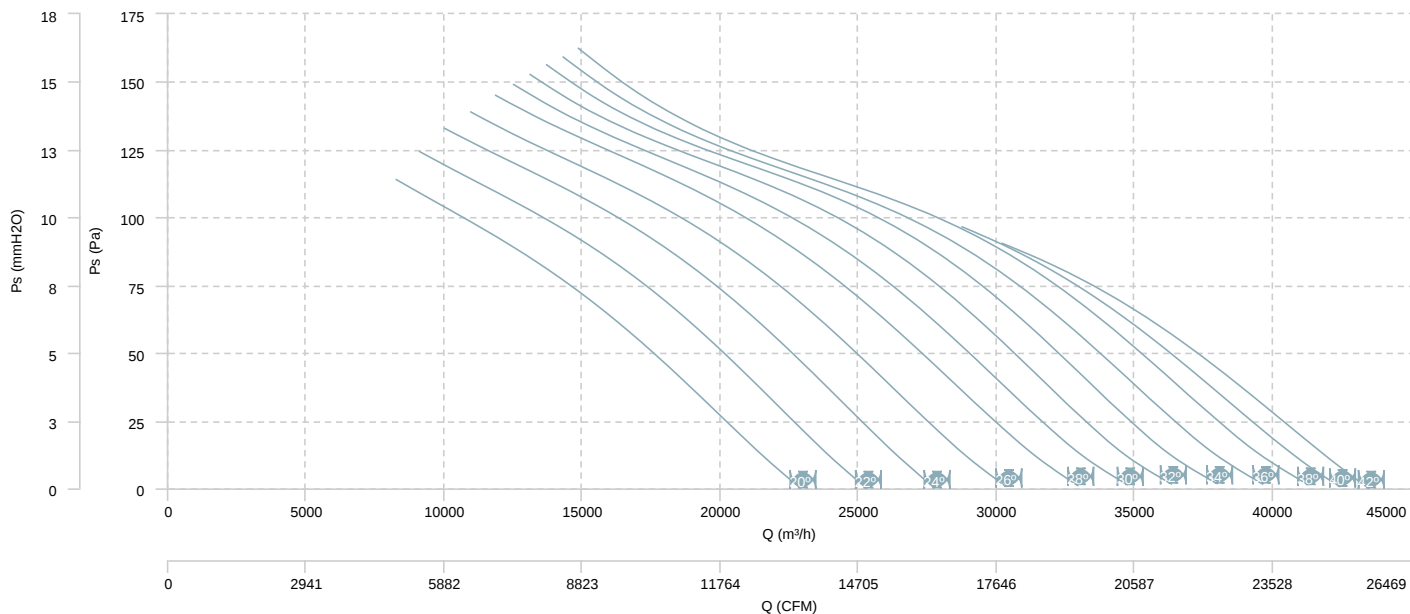


AIR FLOW - MECHANICAL POWER (4 poles)

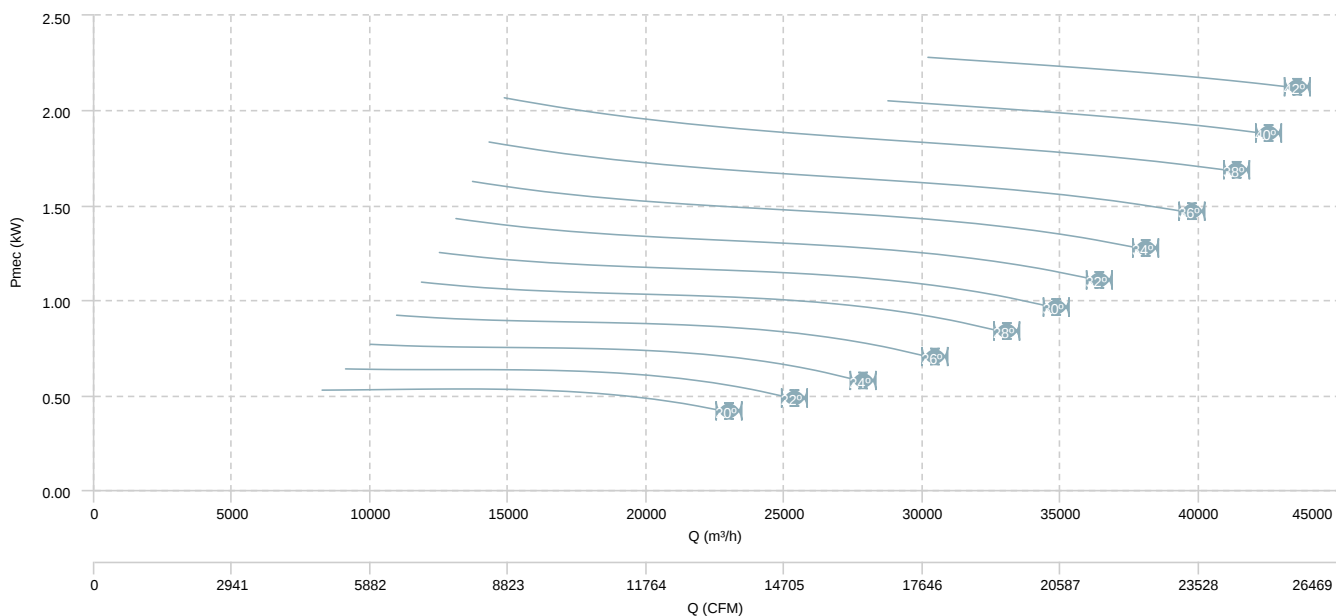


BOX HBF 112 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (8 poles)

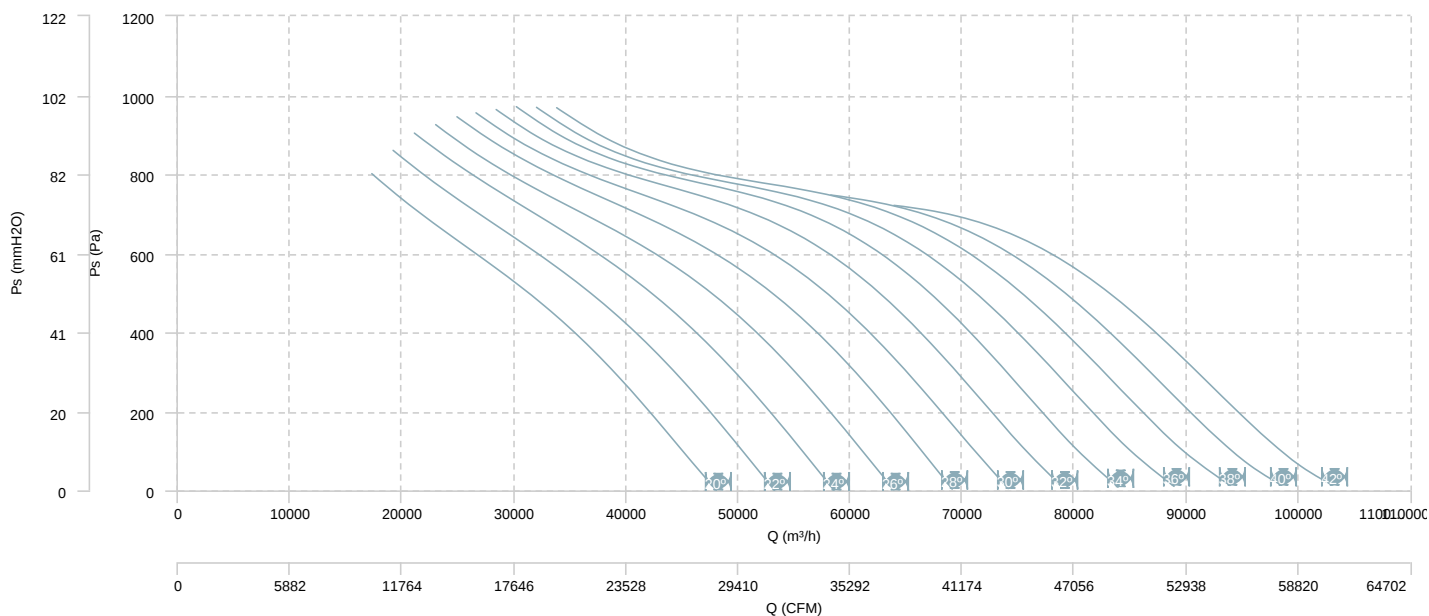


AIR FLOW - MECHANICAL POWER (8 poles)

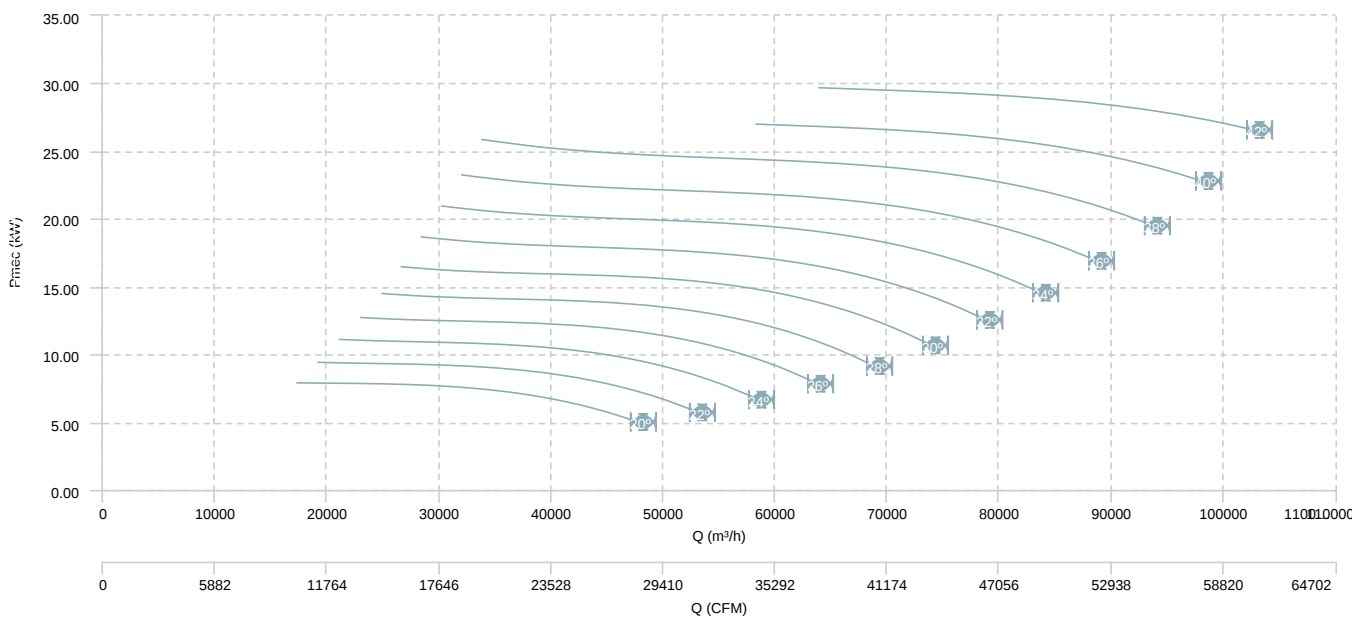


BOX HBF 112 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (4 poles)

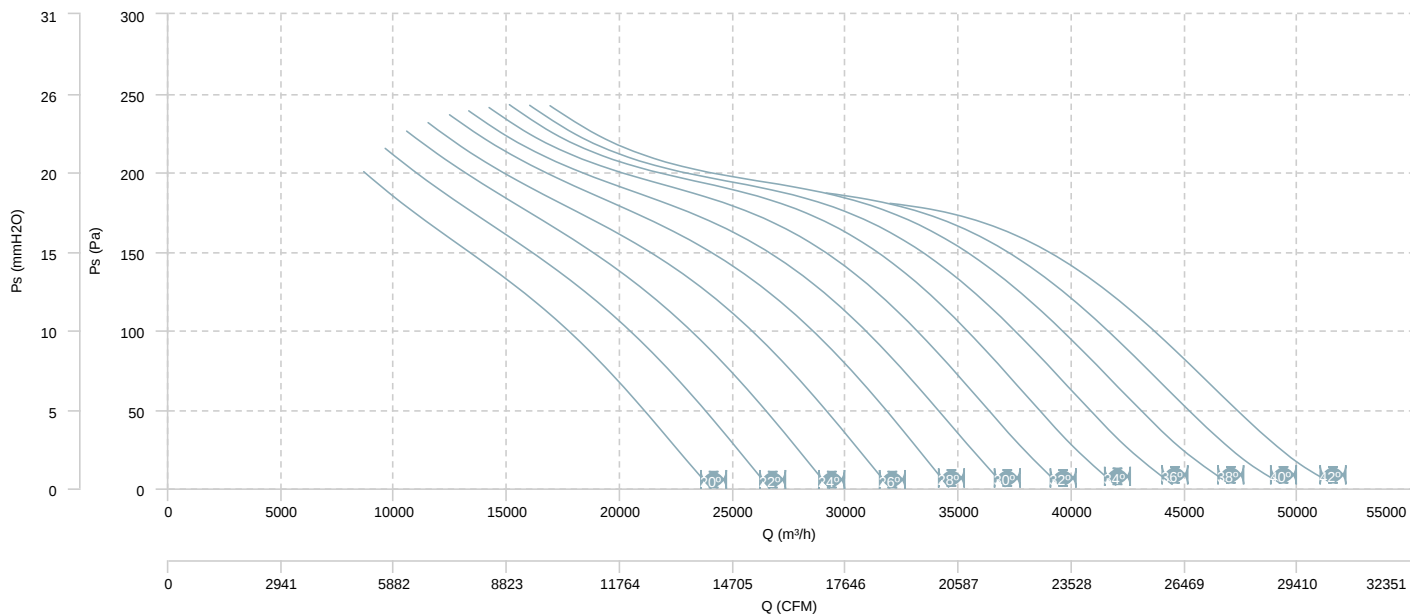


AIR FLOW - MECHANICAL POWER (4 poles)

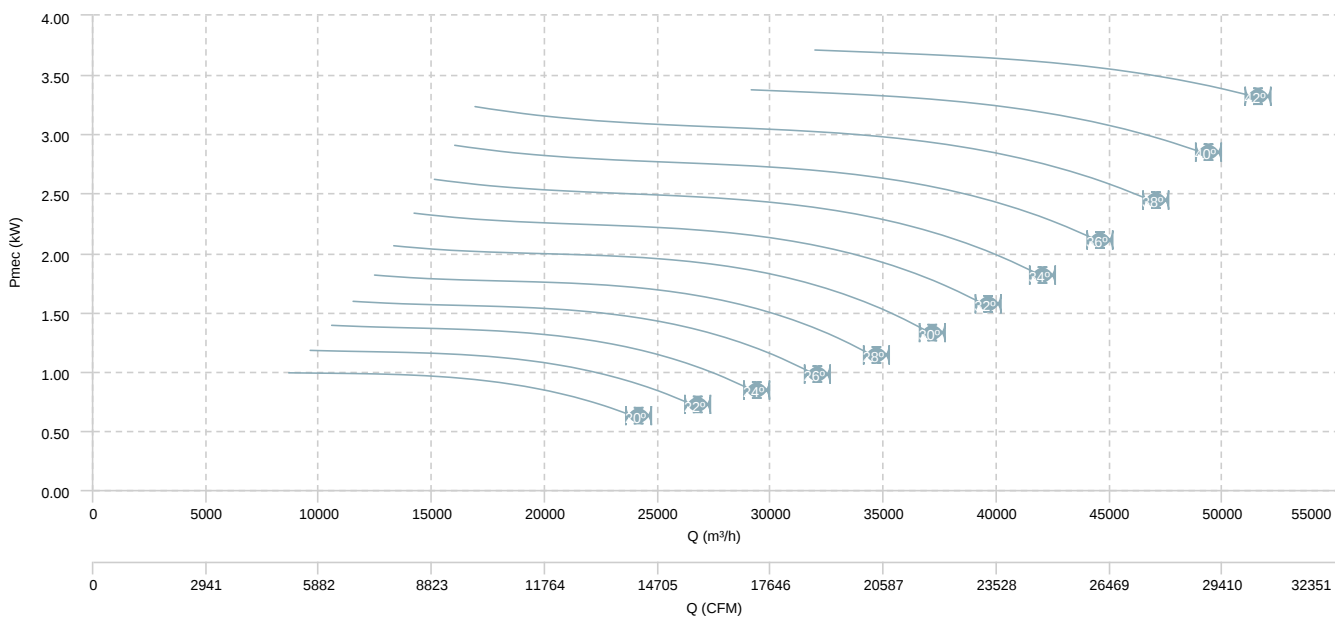


BOX HBF 112 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (8 poles)

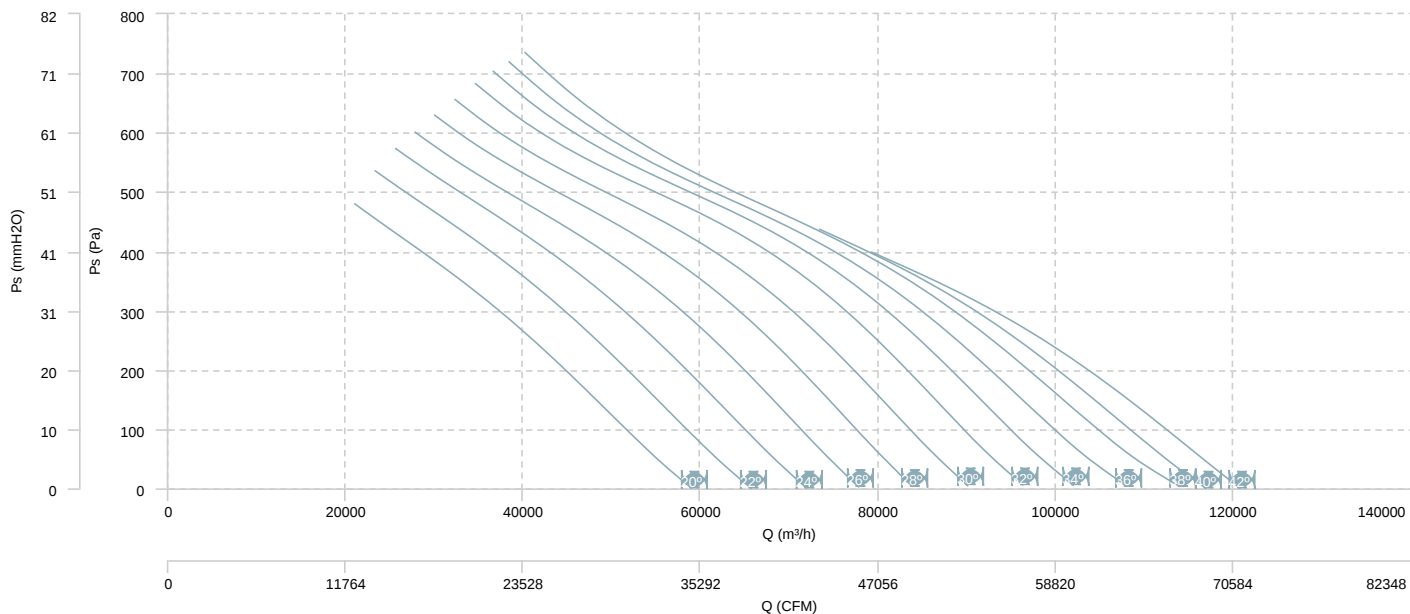


AIR FLOW - MECHANICAL POWER (8 poles)

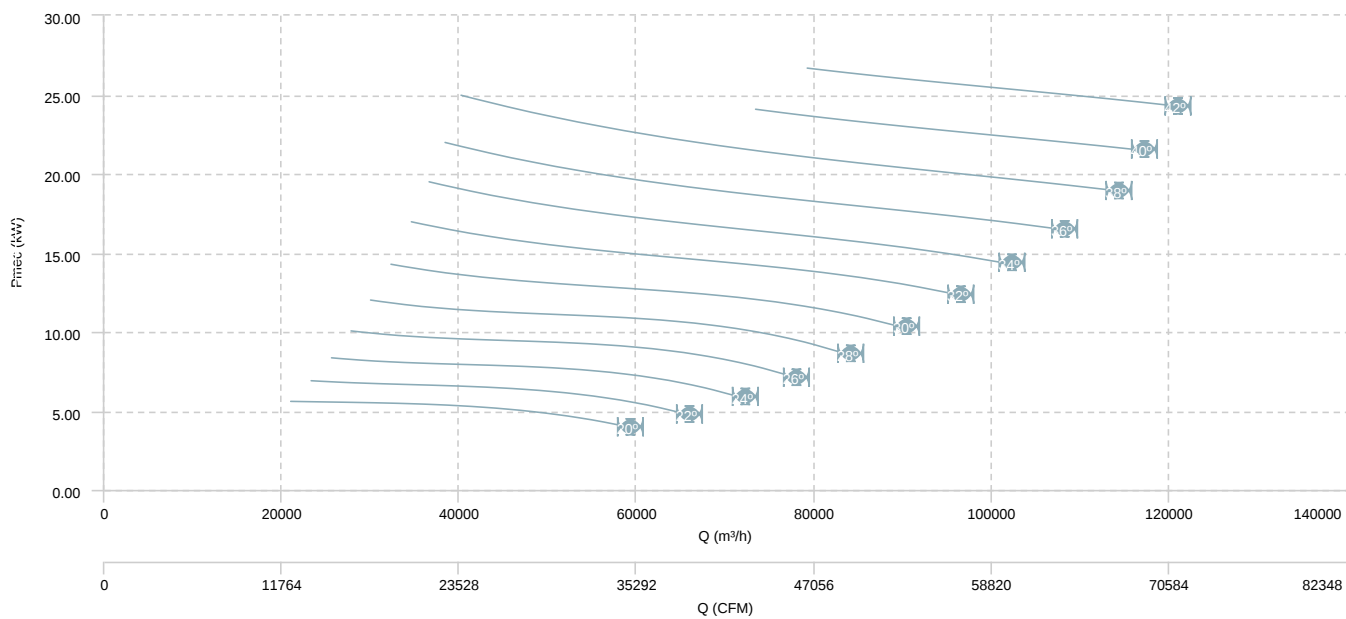


BOX HBF 125 T4 (A6:3) F300

AIR FLOW - PRESSURE

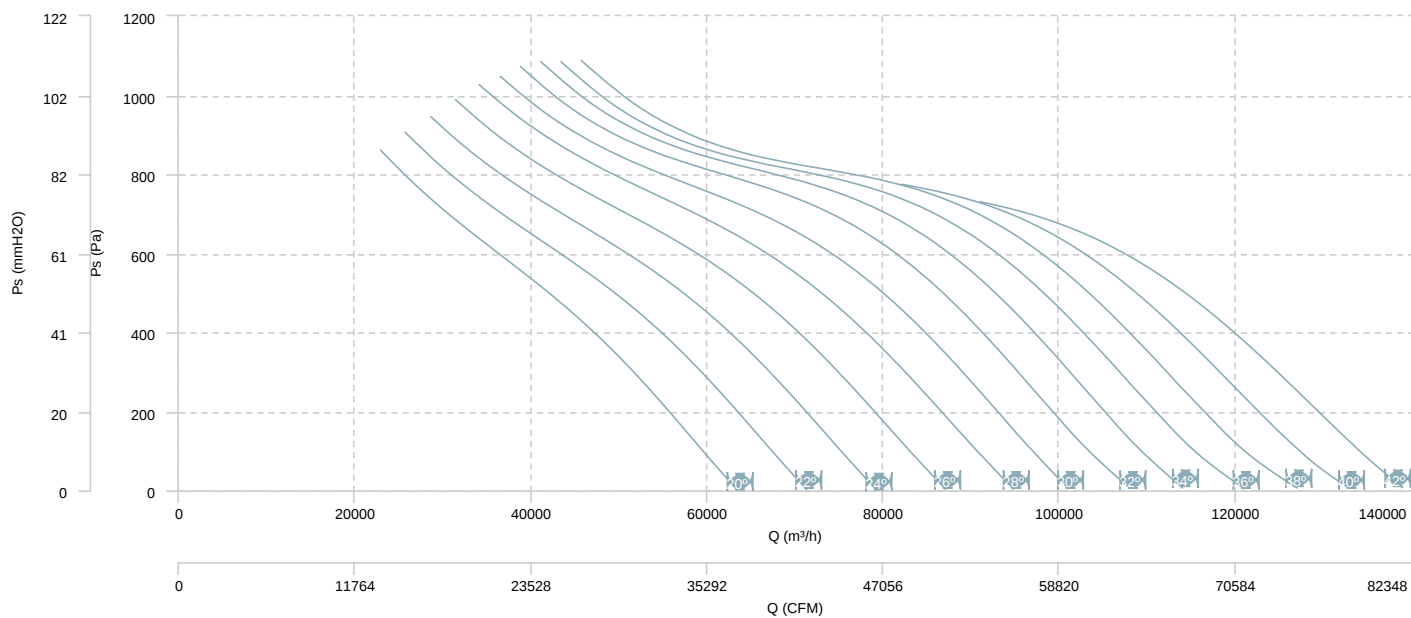


AIR FLOW - MECHANICAL POWER

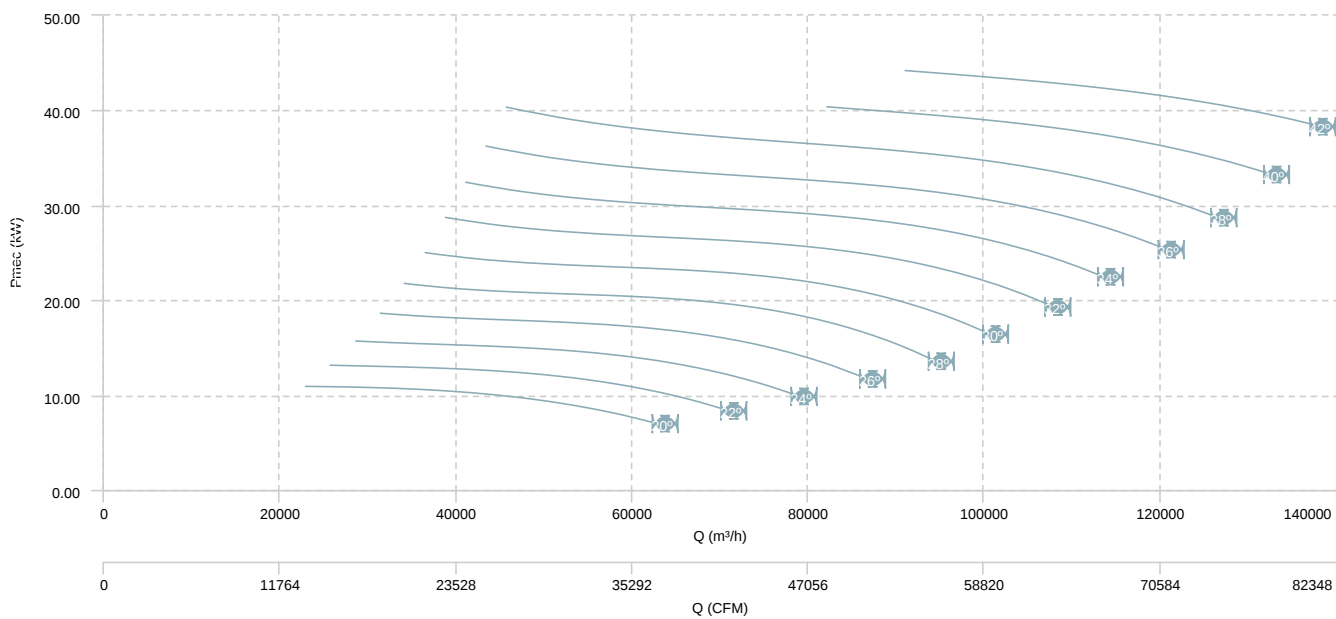


BOX HBF 125 T4 (A6:6) F300

AIR FLOW - PRESSURE

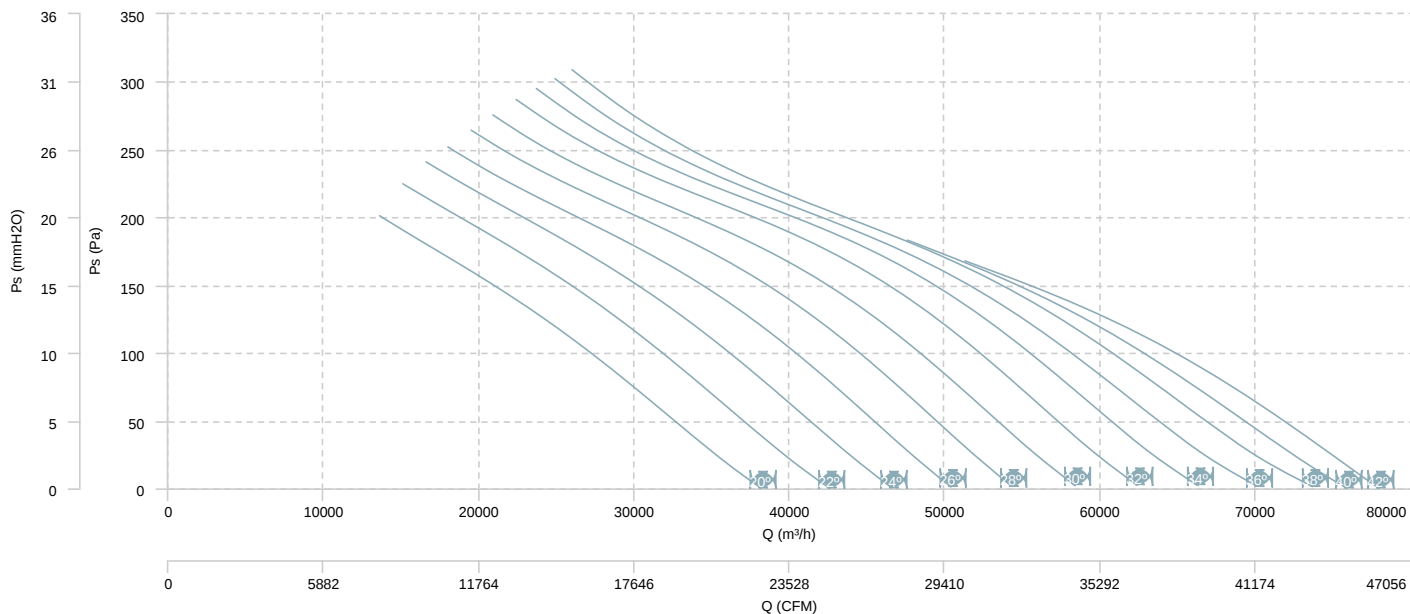


AIR FLOW - MECHANICAL POWER

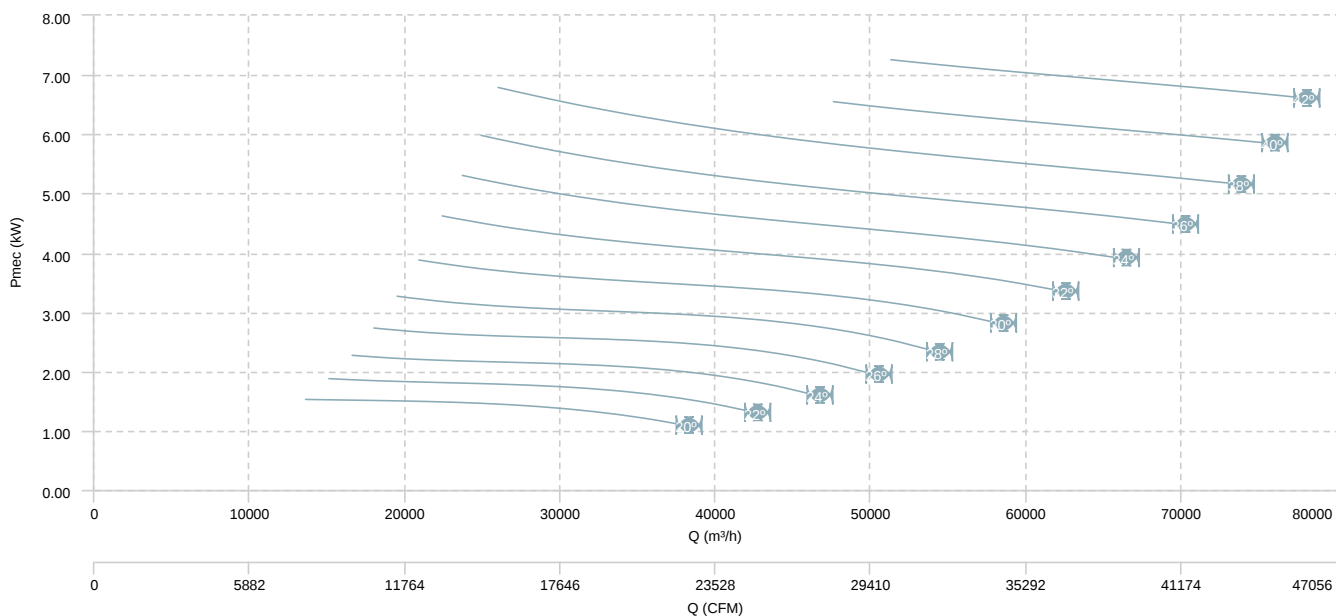


BOX HBF 125 T6 (A6:3) F300

AIR FLOW - PRESSURE

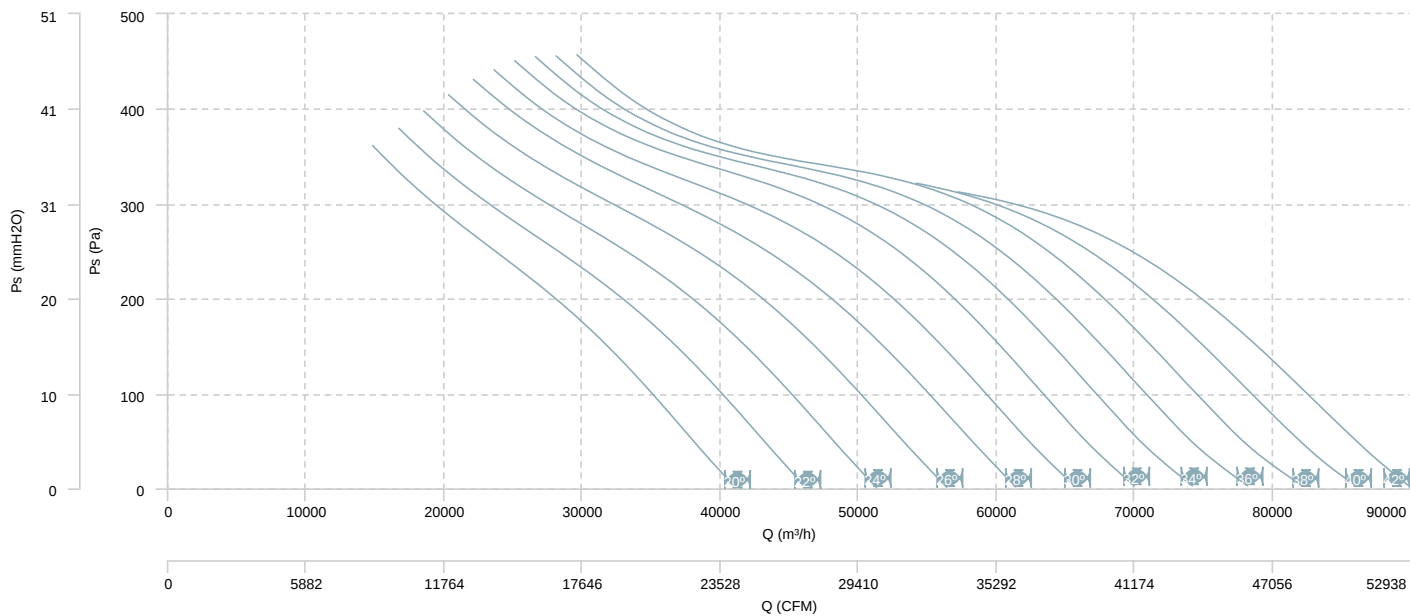


AIR FLOW - MECHANICAL POWER

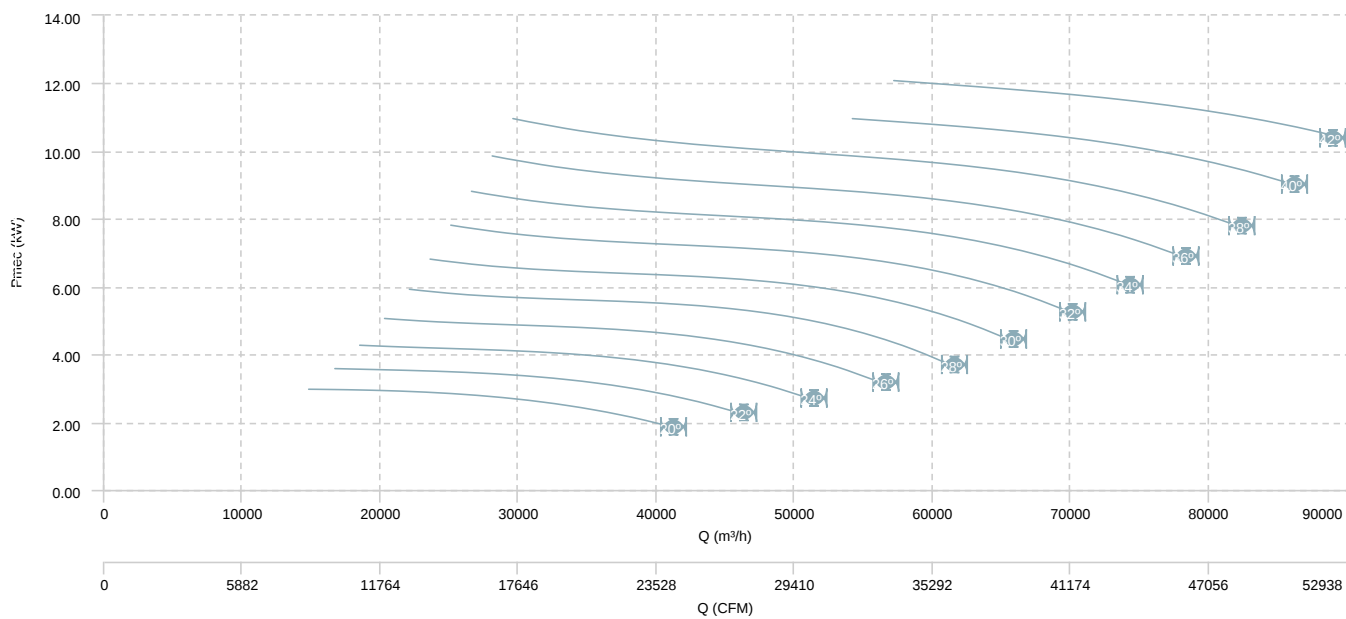


BOX HBF 125 T6 (A6:6) F300

AIR FLOW - PRESSURE

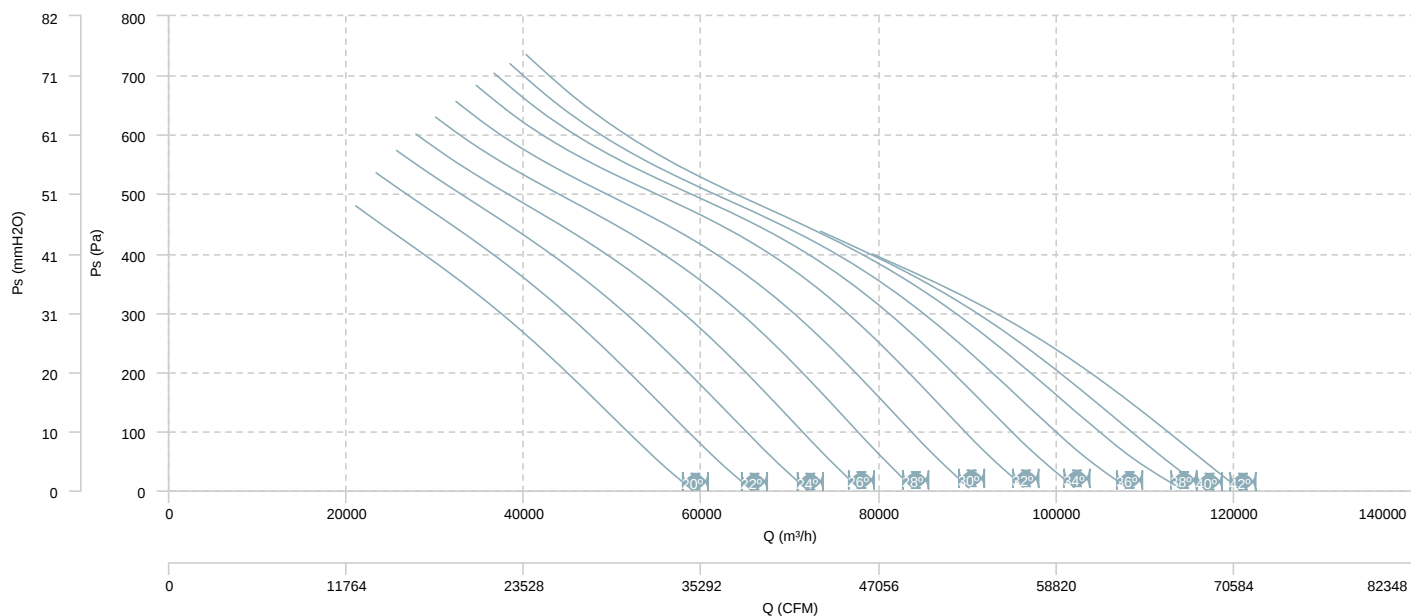


AIR FLOW - MECHANICAL POWER

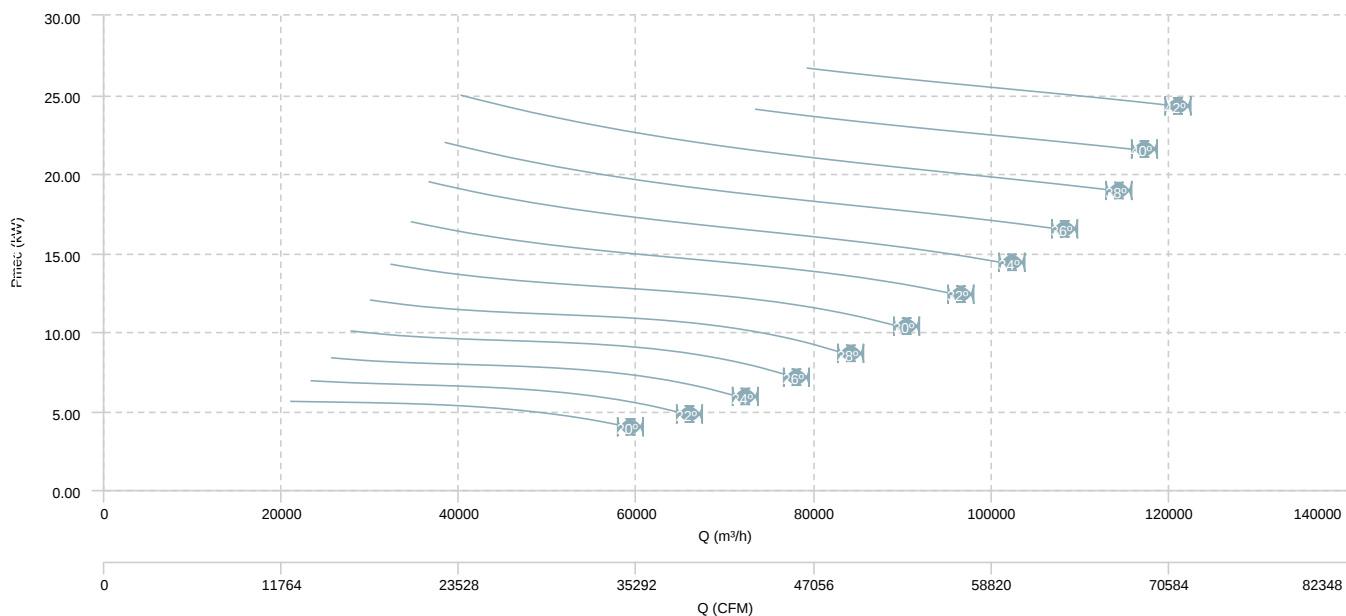


BOX HBF 125 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (4 poles)

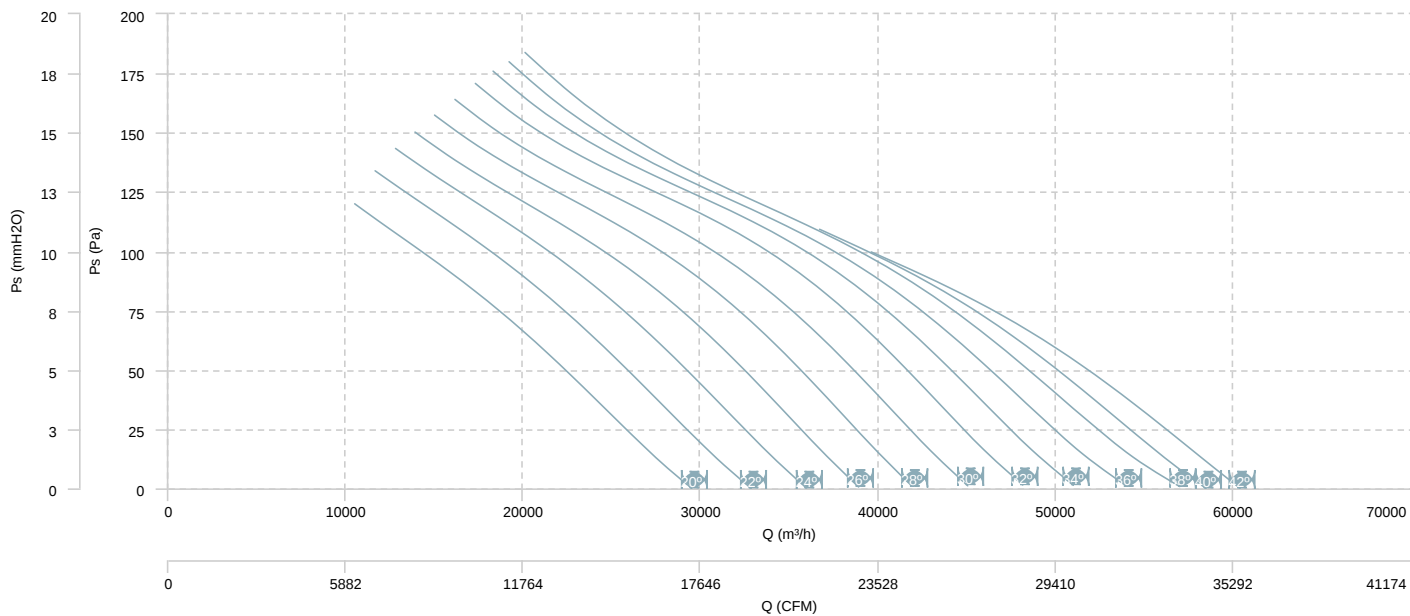


AIR FLOW - MECHANICAL POWER (4 poles)

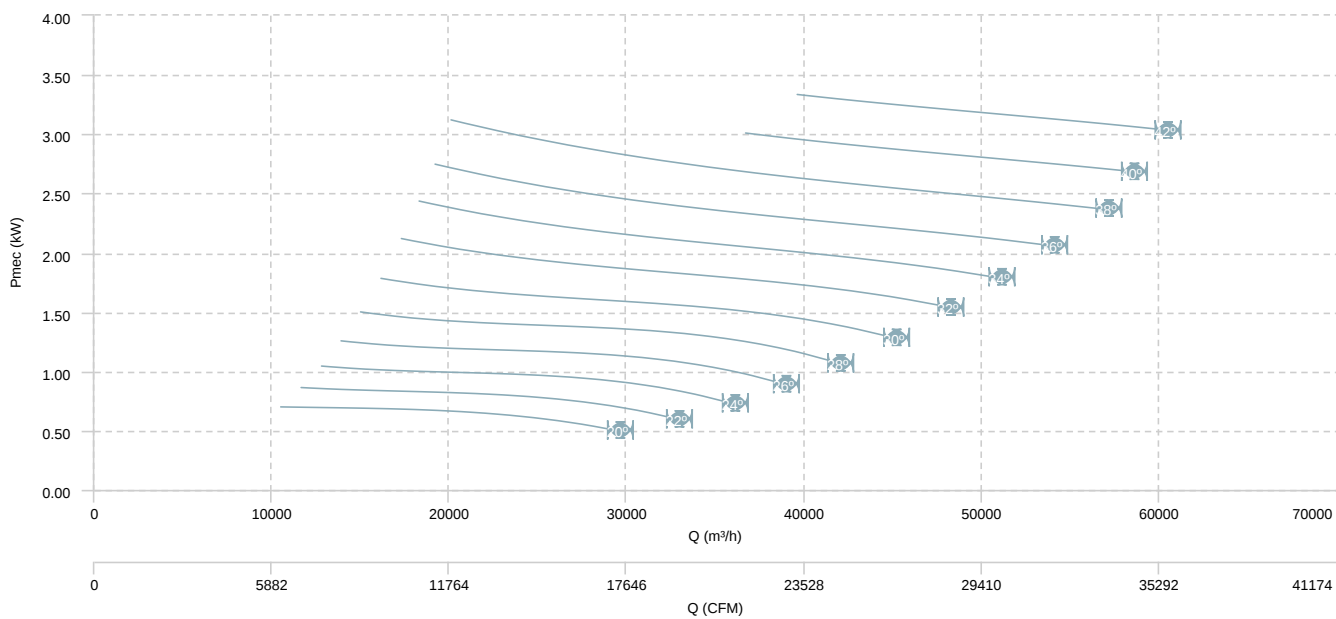


BOX HBF 125 T4/T8 (A6:3) F300

AIR FLOW - PRESSURE (8 poles)

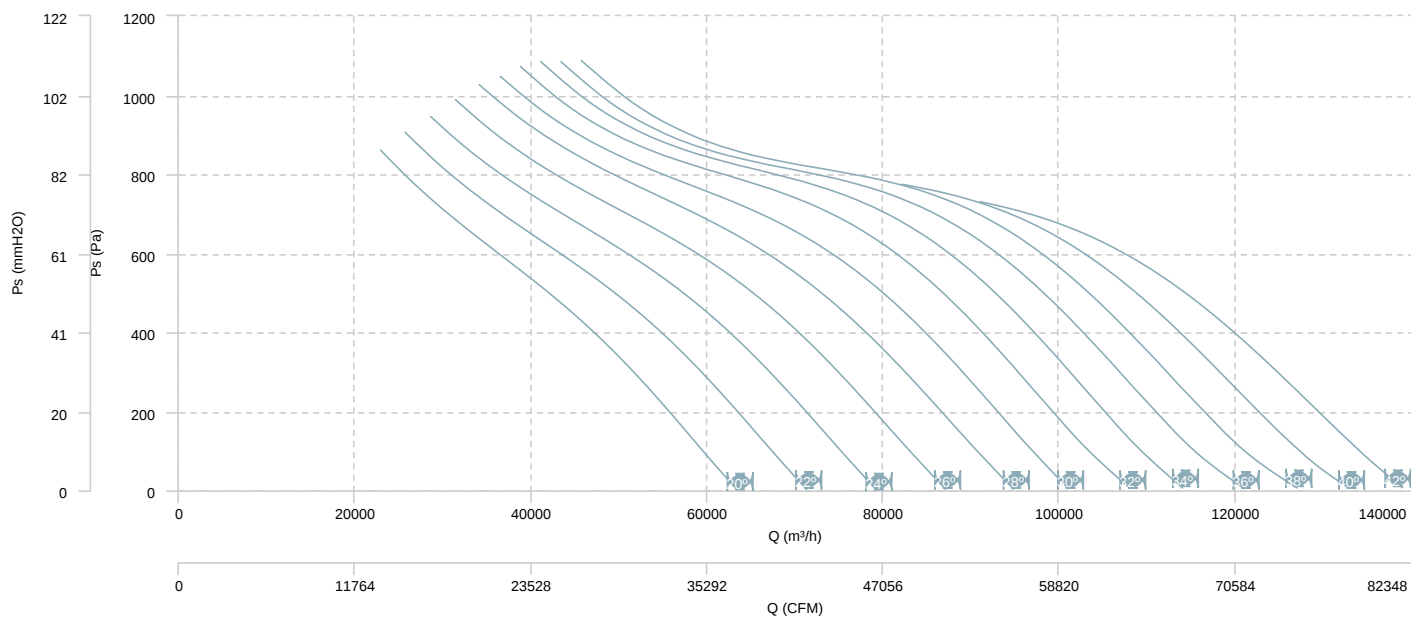


AIR FLOW - MECHANICAL POWER (8 poles)

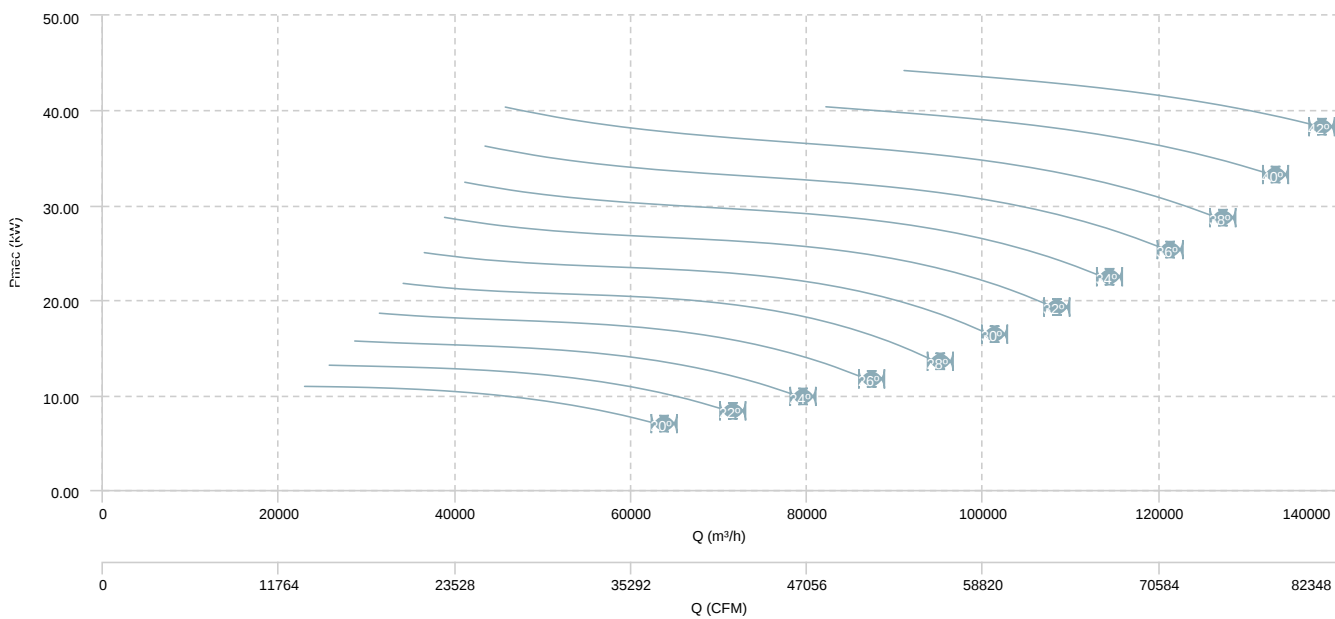


BOX HBF 125 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (4 poles)

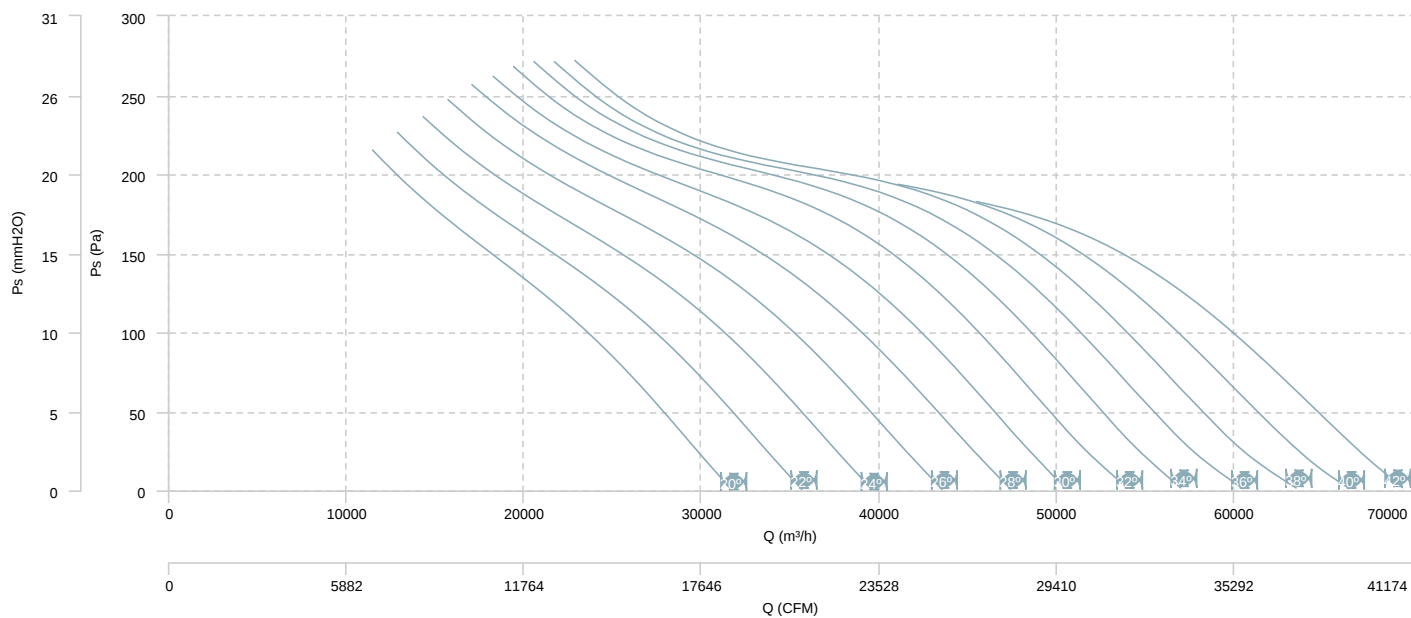


AIR FLOW - MECHANICAL POWER (4 poles)

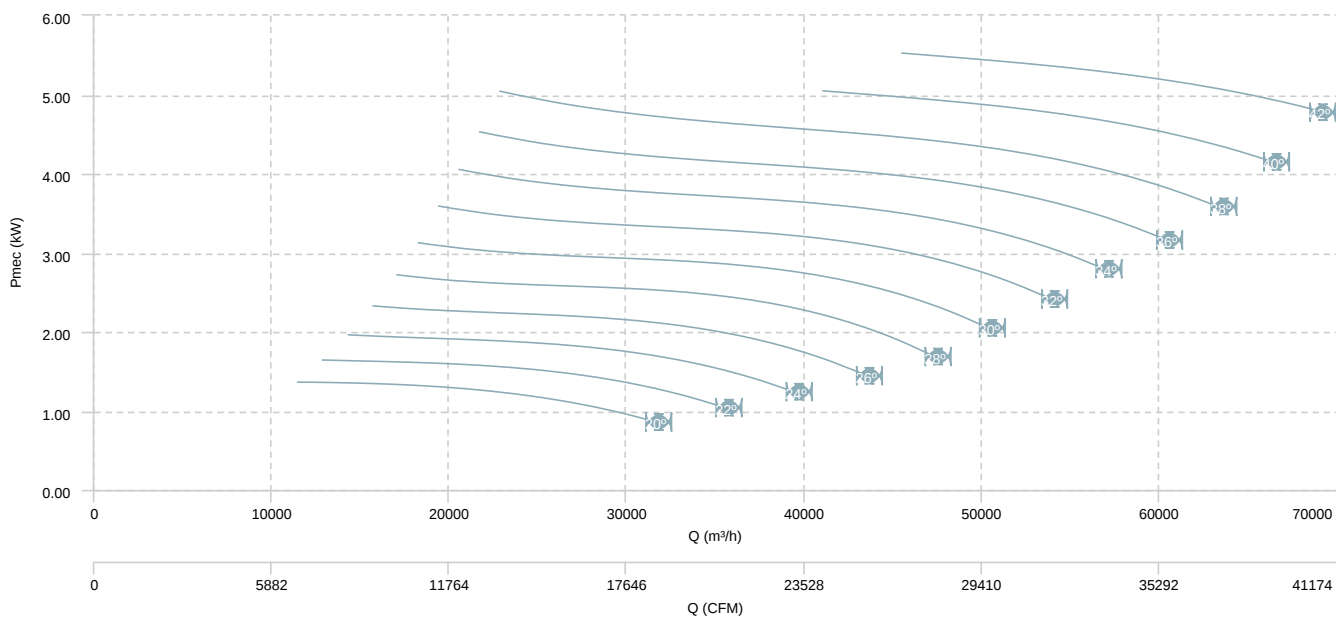


BOX HBF 125 T4/T8 (A6:6) F300

AIR FLOW - PRESSURE (8 poles)



AIR FLOW - MECHANICAL POWER (8 poles)



Sound data

Sound / 4 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 45 T4 (A2:6) F300 (20°)	Inlet	44	51	65	64	68	69	69	63	75
BOX HBF 45 T4 (A2:6) F300 (25°)	Inlet	36	46	57	64	69	67	67	63	74
BOX HBF 45 T4 (A2:6) F300 (27, 5°)	Inlet	41	50	58	65	68	68	69	64	74
BOX HBF 45 T4 (A2:6) F300 (30°)	Inlet	42	50	58	64	67	67	68	63	73
BOX HBF 45 T4 (A2:6) F300 (32, 5°)	Inlet	43	50	57	62	64	66	67	61	72
BOX HBF 45 T4 (A2:6) F300 (35°)	Inlet	44	51	57	61	64	65	67	61	71
BOX HBF 45 T4 (A2:6) F300 (37, 5°)	Inlet	44	51	56	61	63	65	66	60	71
BOX HBF 45 T4 (A2:6) F300 (40°)	Inlet	44	51	57	61	64	65	66	60	71
BOX HBF 45 T4 (A2:6) F300 (42, 5°)	Inlet	45	52	57	61	64	66	66	60	71
BOX HBF 45 T4 (A2:6) F300 (45°)	Inlet	46	52	60	63	66	68	69	62	74
BOX HBF 45 T4 (A2:9) F300 (20°)	Inlet	37	43	51	54	58	60	60	54	65
BOX HBF 45 T4 (A2:9) F300 (25°)	Inlet	46	53	60	64	69	69	69	61	75
BOX HBF 45 T4 (A2:9) F300 (27, 5°)	Inlet	45	52	60	65	69	69	70	63	75
BOX HBF 45 T4 (A2:9) F300 (30°)	Inlet	44	51	60	65	69	69	69	63	75
BOX HBF 45 T4 (A2:9) F300 (32, 5°)	Inlet	43	50	59	64	68	68	69	63	74
BOX HBF 45 T4 (A2:9) F300 (35°)	Inlet	43	50	60	64	68	68	70	64	75
BOX HBF 45 T4 (A2:9) F300 (37, 5°)	Inlet	43	50	60	64	69	69	70	65	75
BOX HBF 45 T4 (A2:9) F300 (40°)	Inlet	43	50	61	64	67	68	70	64	74
BOX HBF 45 T4 (A2:9) F300 (42, 5°)	Inlet	42	50	61	63	67	68	69	63	74
BOX HBF 45 T4 (A2:9) F300 (45°)	Inlet	44	51	64	64	67	68	69	63	75
BOX HBF 50 T4 (A2:6) F300 (20°)	Inlet	48	54	68	68	71	72	73	67	78
BOX HBF 50 T4 (A2:6) F300 (25°)	Inlet	39	50	61	68	72	70	71	66	77
BOX HBF 50 T4 (A2:6) F300 (27, 5°)	Inlet	45	54	62	69	72	72	73	67	78
BOX HBF 50 T4 (A2:6) F300 (30°)	Inlet	46	54	62	68	71	71	72	67	77
BOX HBF 50 T4 (A2:6) F300 (32, 5°)	Inlet	48	55	61	67	69	71	71	66	76
BOX HBF 50 T4 (A2:6) F300 (35°)	Inlet	48	55	61	66	68	70	71	65	76
BOX HBF 50 T4 (A2:6) F300 (37, 5°)	Inlet	48	55	61	65	68	69	70	64	75

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 50 T4 (A2:6) F300 (40°)	Inlet	48	55	61	65	68	70	70	64	75
BOX HBF 50 T4 (A2:6) F300 (42, 5°)	Inlet	49	56	61	65	68	70	70	64	75
BOX HBF 50 T4 (A2:6) F300 (45°)	Inlet	50	56	63	66	70	72	72	66	77
BOX HBF 50 T4 (A2:9) F300 (20°)	Inlet	41	47	55	58	62	64	64	58	69
BOX HBF 50 T4 (A2:9) F300 (25°)	Inlet	49	56	63	67	72	72	72	64	78
BOX HBF 50 T4 (A2:9) F300 (27, 5°)	Inlet	48	56	64	68	73	73	73	66	79
BOX HBF 50 T4 (A2:9) F300 (30°)	Inlet	48	55	64	68	72	73	73	67	78
BOX HBF 50 T4 (A2:9) F300 (32, 5°)	Inlet	47	54	63	68	72	72	73	67	78
BOX HBF 50 T4 (A2:9) F300 (35°)	Inlet	47	53	63	68	72	72	73	68	78
BOX HBF 50 T4 (A2:9) F300 (37, 5°)	Inlet	46	53	63	68	72	72	74	68	79
BOX HBF 50 T4 (A2:9) F300 (40°)	Inlet	46	53	64	67	71	72	73	67	78
BOX HBF 50 T4 (A2:9) F300 (42, 5°)	Inlet	46	53	65	67	70	71	73	67	78
BOX HBF 50 T4 (A2:9) F300 (45°)	Inlet	47	54	67	67	71	72	73	67	78
BOX HBF 56 T4 (A2:6) F300 (20°)	Inlet	51	57	69	71	74	75	75	70	81
BOX HBF 56 T4 (A2:6) F300 (25°)	Inlet	43	52	62	71	73	73	74	69	79
BOX HBF 56 T4 (A2:6) F300 (27, 5°)	Inlet	47	55	64	71	73	74	75	69	80
BOX HBF 56 T4 (A2:6) F300 (30°)	Inlet	48	55	63	70	72	73	74	69	79
BOX HBF 56 T4 (A2:6) F300 (32, 5°)	Inlet	49	56	63	68	71	72	73	68	78
BOX HBF 56 T4 (A2:6) F300 (35°)	Inlet	50	57	63	68	70	72	73	67	78
BOX HBF 56 T4 (A2:6) F300 (37, 5°)	Inlet	50	57	62	68	70	73	73	67	78
BOX HBF 56 T4 (A2:6) F300 (40°)	Inlet	51	58	63	68	71	73	73	67	78
BOX HBF 56 T4 (A2:6) F300 (42, 5°)	Inlet	51	59	64	69	71	73	74	67	79
BOX HBF 56 T4 (A2:6) F300 (45°)	Inlet	53	58	66	69	72	74	74	68	79
BOX HBF 56 T4 (A2:9) F300 (20°)	Inlet	44	48	57	60	63	65	65	59	70
BOX HBF 56 T4 (A2:9) F300 (25°)	Inlet	51	56	65	71	74	74	74	66	80
BOX HBF 56 T4 (A2:9) F300 (27, 5°)	Inlet	51	56	65	70	74	74	75	68	80
BOX HBF 56 T4 (A2:9) F300 (30°)	Inlet	51	56	65	71	74	74	75	69	80
BOX HBF 56 T4 (A2:9) F300 (32, 5°)	Inlet	51	56	65	71	74	75	76	70	81
BOX HBF 56 T4 (A2:9) F300 (35°)	Inlet	50	56	66	71	74	75	76	70	81
BOX HBF 56 T4 (A2:9) F300 (37, 5°)	Inlet	50	56	66	71	74	75	76	70	81

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 56 T4 (A2:9) F300 (40°)	Inlet	50	57	66	70	74	75	76	70	81
BOX HBF 56 T4 (A2:9) F300 (42, 5°)	Inlet	50	57	67	70	74	74	75	70	80
BOX HBF 56 T4 (A2:9) F300 (45°)	Inlet	51	57	68	70	74	75	75	70	81
BOX HBF 63 T4 (A2:6) F300 (20°)	Inlet	55	62	67	73	76	78	78	73	83
BOX HBF 63 T4 (A2:6) F300 (25°)	Inlet	46	49	62	71	71	71	73	68	78
BOX HBF 63 T4 (A2:6) F300 (27, 5°)	Inlet	50	55	65	73	74	75	76	71	81
BOX HBF 63 T4 (A2:6) F300 (30°)	Inlet	50	56	65	72	74	75	76	71	81
BOX HBF 63 T4 (A2:6) F300 (32, 5°)	Inlet	51	58	65	71	73	75	75	70	81
BOX HBF 63 T4 (A2:6) F300 (35°)	Inlet	51	58	64	70	73	75	75	70	80
BOX HBF 63 T4 (A2:6) F300 (37, 5°)	Inlet	51	58	63	70	72	75	75	69	80
BOX HBF 63 T4 (A2:6) F300 (40°)	Inlet	52	59	64	70	73	75	75	69	80
BOX HBF 63 T4 (A2:6) F300 (42, 5°)	Inlet	53	59	66	71	73	75	75	69	81
BOX HBF 63 T4 (A2:6) F300 (45°)	Inlet	55	60	67	72	75	76	76	70	81
BOX HBF 63 T4 (A2:9) F300 (20°)	Inlet	46	50	59	62	66	67	66	60	72
BOX HBF 63 T4 (A2:9) F300 (25°)	Inlet	54	57	69	74	76	75	77	71	82
BOX HBF 63 T4 (A2:9) F300 (27, 5°)	Inlet	54	58	68	74	76	76	77	72	82
BOX HBF 63 T4 (A2:9) F300 (30°)	Inlet	55	59	68	74	76	77	78	72	83
BOX HBF 63 T4 (A2:9) F300 (32, 5°)	Inlet	55	60	68	74	76	77	78	73	83
BOX HBF 63 T4 (A2:9) F300 (35°)	Inlet	55	60	68	74	76	78	79	73	84
BOX HBF 63 T4 (A2:9) F300 (37, 5°)	Inlet	54	61	68	74	77	78	79	73	84
BOX HBF 63 T4 (A2:9) F300 (40°)	Inlet	54	61	68	74	76	78	78	73	84
BOX HBF 63 T4 (A2:9) F300 (42, 5°)	Inlet	55	61	67	73	76	78	78	73	83
BOX HBF 63 T4 (A2:9) F300 (45°)	Inlet	55	61	67	73	76	78	78	73	83
BOX HBF 71 T4 (A2:6) F300 (20°)	Inlet	57	65	71	76	79	80	80	74	86
BOX HBF 71 T4 (A2:6) F300 (25°)	Inlet	52	58	70	77	80	79	81	75	86
BOX HBF 71 T4 (A2:6) F300 (27, 5°)	Inlet	54	60	69	76	79	79	81	75	86
BOX HBF 71 T4 (A2:6) F300 (30°)	Inlet	54	61	69	76	78	79	80	75	85
BOX HBF 71 T4 (A2:6) F300 (32, 5°)	Inlet	55	62	68	75	77	79	79	74	84
BOX HBF 71 T4 (A2:6) F300 (35°)	Inlet	55	62	67	74	76	78	78	73	83
BOX HBF 71 T4 (A2:6) F300 (37, 5°)	Inlet	54	61	67	72	75	77	78	71	83

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 71 T4 (A2:6) F300 (40°)	Inlet	55	63	68	73	76	78	78	72	83
BOX HBF 71 T4 (A2:6) F300 (42, 5°)	Inlet	57	63	69	74	77	79	78	72	84
BOX HBF 71 T4 (A2:6) F300 (45°)	Inlet	58	63	71	74	78	79	78	72	84
BOX HBF 71 T4 (A2:9) F300 (20°)	Inlet	50	54	62	65	68	69	69	62	75
BOX HBF 71 T4 (A2:9) F300 (25°)	Inlet	58	64	73	80	83	82	84	77	89
BOX HBF 71 T4 (A2:9) F300 (27, 5°)	Inlet	58	64	72	78	81	81	83	76	88
BOX HBF 71 T4 (A2:9) F300 (30°)	Inlet	58	64	71	78	80	81	82	76	87
BOX HBF 71 T4 (A2:9) F300 (32, 5°)	Inlet	58	64	70	77	79	80	81	76	86
BOX HBF 71 T4 (A2:9) F300 (35°)	Inlet	57	64	70	77	80	81	81	76	86
BOX HBF 71 T4 (A2:9) F300 (37, 5°)	Inlet	57	64	70	77	80	81	81	75	86
BOX HBF 71 T4 (A2:9) F300 (40°)	Inlet	58	65	71	76	80	81	81	75	87
BOX HBF 71 T4 (A2:9) F300 (42, 5°)	Inlet	59	66	71	76	80	81	81	75	87
BOX HBF 71 T4 (A2:9) F300 (45°)	Inlet	58	65	71	76	79	81	80	74	86
BOX HBF 80 T4 (A2:6) F300 (20°)	Inlet	61	69	75	78	81	83	82	76	88
BOX HBF 80 T4 (A2:6) F300 (25°)	Inlet	52	59	69	77	81	80	82	77	87
BOX HBF 80 T4 (A2:6) F300 (27, 5°)	Inlet	55	62	70	77	80	81	82	76	87
BOX HBF 80 T4 (A2:6) F300 (30°)	Inlet	56	63	70	77	80	81	82	76	87
BOX HBF 80 T4 (A2:6) F300 (32, 5°)	Inlet	57	64	70	76	79	81	82	76	87
BOX HBF 80 T4 (A2:6) F300 (35°)	Inlet	58	65	71	76	79	82	82	75	87
BOX HBF 80 T4 (A2:6) F300 (37, 5°)	Inlet	59	66	72	76	79	82	81	74	86
BOX HBF 80 T4 (A2:6) F300 (40°)	Inlet	59	66	72	76	79	81	80	74	86
BOX HBF 80 T4 (A2:6) F300 (42, 5°)	Inlet	59	67	72	76	79	80	80	73	85
BOX HBF 80 T4 (A2:6) F300 (45°)	Inlet	59	67	73	76	79	80	80	73	86
BOX HBF 80 T4 (A2:9) F300 (20°)	Inlet	50	57	64	67	70	71	71	64	77
BOX HBF 80 T4 (A2:9) F300 (25°)	Inlet	57	69	76	87	89	87	90	81	95
BOX HBF 80 T4 (A2:9) F300 (27, 5°)	Inlet	59	69	74	84	86	86	87	80	92
BOX HBF 80 T4 (A2:9) F300 (30°)	Inlet	60	69	74	83	86	86	87	80	92
BOX HBF 80 T4 (A2:9) F300 (32, 5°)	Inlet	61	68	73	81	84	85	86	80	91
BOX HBF 80 T4 (A2:9) F300 (35°)	Inlet	60	67	73	80	84	85	85	79	90
BOX HBF 80 T4 (A2:9) F300 (37, 5°)	Inlet	60	67	73	79	83	85	84	78	90

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 80 T4 (A2:9) F300 (40º)	Inlet	61	68	73	79	82	84	84	77	89
BOX HBF 80 T4 (A2:9) F300 (42, 5º)	Inlet	62	69	74	78	82	84	83	77	89
BOX HBF 80 T4 (A2:9) F300 (45º)	Inlet	61	69	75	78	81	83	82	76	88
BOX HBF 90 T4 (A6:3) F300 (20º)	Inlet	84	77	79	75	76	77	80	76	88
BOX HBF 90 T4 (A6:3) F300 (22º)	Inlet	85	79	80	77	78	78	81	77	89
BOX HBF 90 T4 (A6:3) F300 (24º)	Inlet	86	80	81	80	80	80	82	79	91
BOX HBF 90 T4 (A6:3) F300 (26º)	Inlet	87	82	83	82	81	81	83	80	92
BOX HBF 90 T4 (A6:3) F300 (28º)	Inlet	88	83	84	84	82	82	84	81	93
BOX HBF 90 T4 (A6:3) F300 (30º)	Inlet	89	85	85	86	84	84	85	82	94
BOX HBF 90 T4 (A6:3) F300 (32º)	Inlet	89	85	85	87	84	84	86	82	95
BOX HBF 90 T4 (A6:3) F300 (34º)	Inlet	89	85	85	88	85	85	86	82	95
BOX HBF 90 T4 (A6:3) F300 (36º)	Inlet	89	86	86	89	85	86	86	83	96
BOX HBF 90 T4 (A6:3) F300 (38º)	Inlet	90	87	87	90	87	87	87	84	97
BOX HBF 90 T4 (A6:3) F300 (40º)	Inlet	90	88	88	91	88	88	88	85	98
BOX HBF 90 T4 (A6:3) F300 (42º)	Inlet	91	89	89	91	89	89	89	85	99
BOX HBF 90 T4 (A6:6) F300 (20º)	Inlet	89	88	88	89	90	87	87	85	98
BOX HBF 90 T4 (A6:6) F300 (22º)	Inlet	89	89	88	89	90	87	88	85	98
BOX HBF 90 T4 (A6:6) F300 (24º)	Inlet	90	90	89	90	90	88	89	86	99
BOX HBF 90 T4 (A6:6) F300 (26º)	Inlet	91	90	89	90	90	88	89	86	99
BOX HBF 90 T4 (A6:6) F300 (28º)	Inlet	92	91	89	91	90	88	90	87	99
BOX HBF 90 T4 (A6:6) F300 (30º)	Inlet	92	91	90	91	89	89	90	87	100
BOX HBF 90 T4 (A6:6) F300 (32º)	Inlet	91	90	88	89	87	87	89	85	98
BOX HBF 90 T4 (A6:6) F300 (34º)	Inlet	90	89	87	88	86	86	87	84	96
BOX HBF 90 T4 (A6:6) F300 (36º)	Inlet	90	88	86	87	85	85	87	83	96
BOX HBF 90 T4 (A6:6) F300 (38º)	Inlet	91	89	87	88	86	86	87	84	97
BOX HBF 90 T4 (A6:6) F300 (40º)	Inlet	91	90	88	88	87	86	88	84	98
BOX HBF 90 T4 (A6:6) F300 (42º)	Inlet	92	91	89	89	87	87	88	84	98
BOX HBF 100 T4 (A6:3) F300 (20º)	Inlet	88	85	83	82	84	84	88	83	94
BOX HBF 100 T4 (A6:3) F300 (22º)	Inlet	89	86	84	83	85	85	89	83	95
BOX HBF 100 T4 (A6:3) F300 (24º)	Inlet	89	86	84	84	85	85	88	83	95
BOX HBF 100 T4 (A6:3) F300 (26º)	Inlet	89	86	84	84	84	84	87	83	95
BOX HBF 100 T4 (A6:3) F300 (28º)	Inlet	89	86	84	84	84	84	86	82	94
BOX HBF 100 T4 (A6:3) F300 (30º)	Inlet	89	86	84	84	84	84	85	82	94

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 100 T4 (A6:3) F300 (32°)	Inlet	91	87	86	86	85	85	86	83	96
BOX HBF 100 T4 (A6:3) F300 (34°)	Inlet	93	88	88	88	86	86	87	84	98
BOX HBF 100 T4 (A6:3) F300 (36°)	Inlet	93	89	89	89	87	87	88	84	98
BOX HBF 100 T4 (A6:3) F300 (38°)	Inlet	93	90	89	90	88	88	88	85	99
BOX HBF 100 T4 (A6:3) F300 (40°)	Inlet	93	90	89	90	89	89	89	86	99
BOX HBF 100 T4 (A6:3) F300 (42°)	Inlet	93	91	90	91	90	89	89	86	100
BOX HBF 100 T4 (A6:6) F300 (20°)	Inlet	93	94	92	96	94	92	92	90	102
BOX HBF 100 T4 (A6:6) F300 (22°)	Inlet	93	94	92	95	93	92	92	90	102
BOX HBF 100 T4 (A6:6) F300 (24°)	Inlet	94	94	92	95	93	92	92	90	102
BOX HBF 100 T4 (A6:6) F300 (26°)	Inlet	95	95	93	95	93	92	93	91	103
BOX HBF 100 T4 (A6:6) F300 (28°)	Inlet	97	95	94	96	93	92	94	91	104
BOX HBF 100 T4 (A6:6) F300 (30°)	Inlet	98	96	95	95	93	92	94	91	104
BOX HBF 100 T4 (A6:6) F300 (32°)	Inlet	96	95	94	93	92	91	92	90	103
BOX HBF 100 T4 (A6:6) F300 (34°)	Inlet	95	94	93	91	90	89	91	88	101
BOX HBF 100 T4 (A6:6) F300 (36°)	Inlet	95	93	92	90	90	89	91	87	101
BOX HBF 100 T4 (A6:6) F300 (38°)	Inlet	95	94	92	91	90	90	91	88	101
BOX HBF 100 T4 (A6:6) F300 (40°)	Inlet	96	94	93	92	91	90	91	88	102
BOX HBF 100 T4 (A6:6) F300 (42°)	Inlet	96	94	93	92	91	90	91	88	102
BOX HBF 112 T4 (A6:3) F300 (20°)	Inlet	91	88	86	87	89	89	91	88	98
BOX HBF 112 T4 (A6:3) F300 (22°)	Inlet	92	89	87	88	89	89	92	88	99
BOX HBF 112 T4 (A6:3) F300 (24°)	Inlet	93	90	88	89	90	90	92	89	100
BOX HBF 112 T4 (A6:3) F300 (26°)	Inlet	94	91	89	89	90	90	92	89	100

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 112 T4 (A6:3) F300 (28°)	Inlet	95	91	90	90	90	89	92	89	100
BOX HBF 112 T4 (A6:3) F300 (30°)	Inlet	95	90	90	89	89	89	91	88	100
BOX HBF 112 T4 (A6:3) F300 (32°)	Inlet	95	90	90	90	89	89	91	88	100
BOX HBF 112 T4 (A6:3) F300 (34°)	Inlet	96	91	91	90	89	89	91	88	101
BOX HBF 112 T4 (A6:3) F300 (36°)	Inlet	96	91	91	91	90	89	91	88	101
BOX HBF 112 T4 (A6:3) F300 (38°)	Inlet	96	92	91	92	90	90	91	89	102
BOX HBF 112 T4 (A6:3) F300 (40°)	Inlet	96	92	91	92	91	91	91	88	102
BOX HBF 112 T4 (A6:3) F300 (42°)	Inlet	96	93	91	92	91	91	92	89	102
BOX HBF 112 T4 (A6:6) F300 (20°)	Inlet	93	94	93	99	96	94	95	92	104
BOX HBF 112 T4 (A6:6) F300 (22°)	Inlet	94	94	93	98	96	93	95	91	104
BOX HBF 112 T4 (A6:6) F300 (24°)	Inlet	95	94	92	96	95	93	94	90	103
BOX HBF 112 T4 (A6:6) F300 (26°)	Inlet	96	95	93	96	94	93	94	90	104
BOX HBF 112 T4 (A6:6) F300 (28°)	Inlet	98	95	93	96	94	94	94	90	104
BOX HBF 112 T4 (A6:6) F300 (30°)	Inlet	99	95	93	95	93	93	94	89	104
BOX HBF 112 T4 (A6:6) F300 (32°)	Inlet	98	95	93	93	92	93	93	88	103
BOX HBF 112 T4 (A6:6) F300 (34°)	Inlet	98	95	93	91	91	92	93	87	103
BOX HBF 112 T4 (A6:6) F300 (36°)	Inlet	99	95	94	92	92	92	93	88	104
BOX HBF 112 T4 (A6:6) F300 (38°)	Inlet	101	97	96	93	93	94	94	89	105
BOX HBF 112 T4 (A6:6) F300 (40°)	Inlet	103	99	98	95	95	95	96	91	107
BOX HBF 112 T4 (A6:6) F300 (42°)	Inlet	103	98	98	95	95	95	95	91	107
BOX HBF 125 T4 (A6:3) F300 (20°)	Inlet	93	93	94	94	94	93	95	96	104
BOX HBF 125 T4 (A6:3) F300 (22°)	Inlet	94	94	94	94	95	94	95	96	104

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 125 T4 (A6:3) F300 (24°)	Inlet	96	95	95	95	95	94	96	96	105
BOX HBF 125 T4 (A6:3) F300 (26°)	Inlet	98	95	96	95	95	94	96	96	105
BOX HBF 125 T4 (A6:3) F300 (28°)	Inlet	99	96	96	95	95	94	96	95	106
BOX HBF 125 T4 (A6:3) F300 (30°)	Inlet	100	97	97	95	95	94	96	95	106
BOX HBF 125 T4 (A6:3) F300 (32°)	Inlet	100	97	97	95	95	94	96	94	106
BOX HBF 125 T4 (A6:3) F300 (34°)	Inlet	100	96	96	95	94	93	95	93	105
BOX HBF 125 T4 (A6:3) F300 (36°)	Inlet	101	96	96	95	94	93	94	93	105
BOX HBF 125 T4 (A6:3) F300 (38°)	Inlet	102	97	97	95	95	94	95	93	106
BOX HBF 125 T4 (A6:3) F300 (40°)	Inlet	102	98	97	96	95	94	95	93	106
BOX HBF 125 T4 (A6:3) F300 (42°)	Inlet	102	98	97	96	96	95	95	93	107
BOX HBF 125 T4 (A6:6) F300 (20°)	Inlet	95	96	95	97	98	96	97	95	106
BOX HBF 125 T4 (A6:6) F300 (22°)	Inlet	97	98	96	98	99	97	98	96	107
BOX HBF 125 T4 (A6:6) F300 (24°)	Inlet	99	99	96	98	99	98	99	96	107
BOX HBF 125 T4 (A6:6) F300 (26°)	Inlet	101	100	98	99	100	98	100	97	108
BOX HBF 125 T4 (A6:6) F300 (28°)	Inlet	103	101	99	100	100	99	101	98	109
BOX HBF 125 T4 (A6:6) F300 (30°)	Inlet	105	102	100	100	101	100	102	99	110
BOX HBF 125 T4 (A6:6) F300 (32°)	Inlet	103	100	98	98	98	98	99	96	108
BOX HBF 125 T4 (A6:6) F300 (34°)	Inlet	101	98	95	95	95	95	97	92	106
BOX HBF 125 T4 (A6:6) F300 (36°)	Inlet	100	97	95	94	94	93	95	91	105
BOX HBF 125 T4 (A6:6) F300 (38°)	Inlet	101	98	96	95	94	94	95	91	106
BOX HBF 125 T4 (A6:6) F300 (40°)	Inlet	103	100	98	96	95	95	96	91	107
BOX HBF 125 T4 (A6:6) F300 (42°)	Inlet	104	101	99	97	96	96	96	92	108

Sound / 6 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 45 T6 (A2:6) F300 (20º)	Inlet	53	53	57	58	59	56	57	55	66
BOX HBF 45 T6 (A2:6) F300 (25º)	Inlet	58	56	58	59	59	57	58	55	67
BOX HBF 45 T6 (A2:6) F300 (27, 5º)	Inlet	59	57	57	58	57	57	58	55	66
BOX HBF 45 T6 (A2:6) F300 (30º)	Inlet	60	57	56	56	55	55	57	53	66
BOX HBF 45 T6 (A2:6) F300 (32, 5º)	Inlet	61	58	56	55	55	55	56	52	66
BOX HBF 45 T6 (A2:6) F300 (35º)	Inlet	61	58	56	55	54	54	56	52	65
BOX HBF 45 T6 (A2:6) F300 (37, 5º)	Inlet	61	58	56	55	54	55	56	52	66
BOX HBF 45 T6 (A2:6) F300 (40º)	Inlet	62	59	57	54	54	55	56	51	66
BOX HBF 45 T6 (A2:6) F300 (42, 5º)	Inlet	63	59	59	57	57	58	58	54	68
BOX HBF 45 T6 (A2:6) F300 (45º)	Inlet	64	59	60	58	58	59	59	55	69
BOX HBF 45 T6 (A2:9) F300 (20º)	Inlet	62	60	59	58	59	59	59	53	68
BOX HBF 45 T6 (A2:9) F300 (25º)	Inlet	62	59	59	59	60	59	59	54	68
BOX HBF 45 T6 (A2:9) F300 (27, 5º)	Inlet	61	58	59	58	59	58	59	55	68
BOX HBF 45 T6 (A2:9) F300 (30º)	Inlet	60	57	59	58	59	57	59	55	67
BOX HBF 45 T6 (A2:9) F300 (32, 5º)	Inlet	60	57	59	58	59	58	59	56	67
BOX HBF 45 T6 (A2:9) F300 (35º)	Inlet	60	56	59	58	59	58	60	57	68
BOX HBF 45 T6 (A2:9) F300 (37, 5º)	Inlet	60	56	60	58	58	57	59	56	67
BOX HBF 45 T6 (A2:9) F300 (40º)	Inlet	59	56	61	57	57	57	59	55	67
BOX HBF 45 T6 (A2:9) F300 (42, 5º)	Inlet	61	57	63	58	58	58	59	55	68
BOX HBF 45 T6 (A2:9) F300 (45º)	Inlet	61	58	65	58	59	58	59	55	69
BOX HBF 50 T6 (A2:6) F300 (20º)	Inlet	56	56	60	62	63	59	61	58	69
BOX HBF 50 T6 (A2:6) F300 (25º)	Inlet	62	60	62	63	63	61	62	59	71
BOX HBF 50 T6 (A2:6) F300 (27, 5º)	Inlet	63	61	61	62	62	61	62	59	70
BOX HBF 50 T6 (A2:6) F300 (30º)	Inlet	65	62	61	61	60	60	61	58	70
BOX HBF 50 T6 (A2:6) F300 (32, 5º)	Inlet	65	62	60	60	59	59	61	57	70
BOX HBF 50 T6 (A2:6) F300 (35º)	Inlet	65	62	60	59	58	59	60	56	70
BOX HBF 50 T6 (A2:6) F300 (37, 5º)	Inlet	65	62	60	59	58	59	60	56	70
BOX HBF 50 T6 (A2:6) F300 (40º)	Inlet	65	62	60	58	58	59	60	55	70
BOX HBF 50 T6 (A2:6) F300 (42, 5º)	Inlet	67	63	62	60	61	61	62	58	72

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 50 T6 (A2:6) F300 (45º)	Inlet	67	63	63	61	62	62	63	59	72
BOX HBF 50 T6 (A2:9) F300 (20º)	Inlet	65	63	62	61	62	62	62	56	71
BOX HBF 50 T6 (A2:9) F300 (25º)	Inlet	65	62	63	62	63	62	63	58	72
BOX HBF 50 T6 (A2:9) F300 (27, 5º)	Inlet	65	62	63	62	63	62	63	58	72
BOX HBF 50 T6 (A2:9) F300 (30º)	Inlet	64	60	62	62	62	61	62	59	71
BOX HBF 50 T6 (A2:9) F300 (32, 5º)	Inlet	63	60	63	62	63	61	63	60	71
BOX HBF 50 T6 (A2:9) F300 (35º)	Inlet	63	60	63	62	63	61	64	60	71
BOX HBF 50 T6 (A2:9) F300 (37, 5º)	Inlet	63	60	63	61	62	61	63	59	71
BOX HBF 50 T6 (A2:9) F300 (40º)	Inlet	63	60	64	61	61	61	63	58	71
BOX HBF 50 T6 (A2:9) F300 (42, 5º)	Inlet	64	61	67	61	61	61	62	58	72
BOX HBF 50 T6 (A2:9) F300 (45º)	Inlet	64	61	68	61	62	61	62	58	72
BOX HBF 56 T6 (A2:6) F300 (20º)	Inlet	60	59	61	65	63	62	63	61	71
BOX HBF 56 T6 (A2:6) F300 (25º)	Inlet	64	62	63	65	63	63	64	61	72
BOX HBF 56 T6 (A2:6) F300 (27, 5º)	Inlet	65	62	63	64	63	63	64	61	72
BOX HBF 56 T6 (A2:6) F300 (30º)	Inlet	66	63	62	62	61	62	63	59	72
BOX HBF 56 T6 (A2:6) F300 (32, 5º)	Inlet	67	64	62	62	61	62	63	59	72
BOX HBF 56 T6 (A2:6) F300 (35º)	Inlet	67	64	62	62	61	62	63	59	72
BOX HBF 56 T6 (A2:6) F300 (37, 5º)	Inlet	67	64	62	62	61	62	63	59	72
BOX HBF 56 T6 (A2:6) F300 (40º)	Inlet	68	65	63	63	62	63	63	59	73
BOX HBF 56 T6 (A2:6) F300 (42, 5º)	Inlet	70	65	65	63	63	64	64	60	74
BOX HBF 56 T6 (A2:6) F300 (45º)	Inlet	70	64	65	63	63	64	64	60	74
BOX HBF 56 T6 (A2:9) F300 (20º)	Inlet	68	63	64	65	65	63	64	58	73
BOX HBF 56 T6 (A2:9) F300 (25º)	Inlet	68	63	64	64	64	64	64	60	73
BOX HBF 56 T6 (A2:9) F300 (27, 5º)	Inlet	68	63	64	64	65	64	65	61	74
BOX HBF 56 T6 (A2:9) F300 (30º)	Inlet	68	63	65	65	65	64	65	62	74
BOX HBF 56 T6 (A2:9) F300 (32, 5º)	Inlet	67	63	65	64	65	64	66	62	74
BOX HBF 56 T6 (A2:9) F300 (35º)	Inlet	67	63	65	64	65	64	66	62	74
BOX HBF 56 T6 (A2:9) F300 (37, 5º)	Inlet	67	63	66	64	65	64	66	62	74
BOX HBF 56 T6 (A2:9) F300 (40º)	Inlet	67	64	66	64	64	64	65	61	74
BOX HBF 56 T6 (A2:9) F300 (42, 5º)	Inlet	68	64	68	64	64	64	65	62	74

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 56 T6 (A2:9) F300 (45º)	Inlet	68	64	68	64	64	64	65	62	74
BOX HBF 63 T6 (A2:6) F300 (20º)	Inlet	63	56	61	65	62	61	63	59	71
BOX HBF 63 T6 (A2:6) F300 (25º)	Inlet	67	62	64	67	65	64	66	63	74
BOX HBF 63 T6 (A2:6) F300 (27, 5º)	Inlet	67	63	64	66	64	64	65	62	74
BOX HBF 63 T6 (A2:6) F300 (30º)	Inlet	67	64	64	65	64	65	65	62	74
BOX HBF 63 T6 (A2:6) F300 (32, 5º)	Inlet	68	65	63	64	63	64	65	62	74
BOX HBF 63 T6 (A2:6) F300 (35º)	Inlet	68	65	63	64	63	64	65	61	73
BOX HBF 63 T6 (A2:6) F300 (37, 5º)	Inlet	69	66	64	64	63	64	65	61	74
BOX HBF 63 T6 (A2:6) F300 (40º)	Inlet	70	66	65	65	64	65	65	61	75
BOX HBF 63 T6 (A2:6) F300 (42, 5º)	Inlet	72	66	67	65	65	65	65	61	76
BOX HBF 63 T6 (A2:6) F300 (45º)	Inlet	73	67	68	66	66	66	66	62	77
BOX HBF 63 T6 (A2:9) F300 (20º)	Inlet	71	64	68	68	67	65	67	63	76
BOX HBF 63 T6 (A2:9) F300 (25º)	Inlet	71	65	67	67	66	65	67	64	76
BOX HBF 63 T6 (A2:9) F300 (27, 5º)	Inlet	72	66	67	68	66	66	67	64	77
BOX HBF 63 T6 (A2:9) F300 (30º)	Inlet	72	67	67	68	67	67	68	65	77
BOX HBF 63 T6 (A2:9) F300 (32, 5º)	Inlet	72	67	67	68	67	67	68	65	77
BOX HBF 63 T6 (A2:9) F300 (35º)	Inlet	71	67	68	68	67	67	68	65	77
BOX HBF 63 T6 (A2:9) F300 (37, 5º)	Inlet	71	67	67	68	67	67	68	65	77
BOX HBF 63 T6 (A2:9) F300 (40º)	Inlet	71	68	66	67	67	67	68	65	77
BOX HBF 63 T6 (A2:9) F300 (42, 5º)	Inlet	72	68	67	67	67	67	68	65	77
BOX HBF 63 T6 (A2:9) F300 (45º)	Inlet	71	68	67	67	67	67	68	64	77
BOX HBF 71 T6 (A2:6) F300 (20º)	Inlet	69	65	69	71	71	69	71	67	78
BOX HBF 71 T6 (A2:6) F300 (25º)	Inlet	71	67	68	70	69	69	70	67	78
BOX HBF 71 T6 (A2:6) F300 (27, 5º)	Inlet	71	67	68	70	69	69	70	67	78
BOX HBF 71 T6 (A2:6) F300 (30º)	Inlet	72	69	67	69	67	68	69	66	78
BOX HBF 71 T6 (A2:6) F300 (32, 5º)	Inlet	72	69	67	68	66	67	68	65	77
BOX HBF 71 T6 (A2:6) F300 (35º)	Inlet	71	68	66	66	65	67	67	63	76
BOX HBF 71 T6 (A2:6) F300 (37, 5º)	Inlet	72	69	67	67	67	67	67	63	77
BOX HBF 71 T6 (A2:6) F300 (40º)	Inlet	73	70	68	68	68	68	68	64	78
BOX HBF 71 T6 (A2:6) F300 (42, 5º)	Inlet	75	70	70	68	68	68	68	64	79

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 71 T6 (A2:6) F300 (45º)	Inlet	76	70	71	69	69	68	68	63	80
BOX HBF 71 T6 (A2:9) F300 (20º)	Inlet	74	70	73	74	73	72	74	69	82
BOX HBF 71 T6 (A2:9) F300 (25º)	Inlet	74	71	71	72	72	71	72	68	81
BOX HBF 71 T6 (A2:9) F300 (27, 5º)	Inlet	74	71	71	72	71	70	72	68	80
BOX HBF 71 T6 (A2:9) F300 (30º)	Inlet	75	71	70	71	70	70	71	68	80
BOX HBF 71 T6 (A2:9) F300 (32, 5º)	Inlet	74	71	69	71	70	70	71	67	80
BOX HBF 71 T6 (A2:9) F300 (35º)	Inlet	74	71	69	70	70	71	70	67	80
BOX HBF 71 T6 (A2:9) F300 (37, 5º)	Inlet	75	72	70	70	71	71	71	67	80
BOX HBF 71 T6 (A2:9) F300 (40º)	Inlet	76	72	71	70	71	71	71	67	81
BOX HBF 71 T6 (A2:9) F300 (42, 5º)	Inlet	75	72	70	70	70	70	70	66	80
BOX HBF 71 T6 (A2:9) F300 (45º)	Inlet	74	72	70	70	69	70	70	66	80
BOX HBF 80 T6 (A2:6) F300 (20º)	Inlet	68	65	69	71	71	70	72	69	79
BOX HBF 80 T6 (A2:6) F300 (25º)	Inlet	72	69	69	71	71	71	72	68	79
BOX HBF 80 T6 (A2:6) F300 (27, 5º)	Inlet	73	70	69	70	71	71	72	68	80
BOX HBF 80 T6 (A2:6) F300 (30º)	Inlet	74	71	69	70	70	71	71	67	80
BOX HBF 80 T6 (A2:6) F300 (32, 5º)	Inlet	75	72	70	70	70	71	71	67	80
BOX HBF 80 T6 (A2:6) F300 (35º)	Inlet	76	73	71	70	70	71	71	66	81
BOX HBF 80 T6 (A2:6) F300 (37, 5º)	Inlet	76	73	71	70	70	70	70	65	81
BOX HBF 80 T6 (A2:6) F300 (40º)	Inlet	76	74	72	70	70	70	69	65	81
BOX HBF 80 T6 (A2:6) F300 (42, 5º)	Inlet	76	74	72	70	70	70	70	65	81
BOX HBF 80 T6 (A2:6) F300 (45º)	Inlet	76	74	73	70	70	70	70	65	81
BOX HBF 80 T6 (A2:9) F300 (20º)	Inlet	74	76	75	81	79	77	79	73	87
BOX HBF 80 T6 (A2:9) F300 (25º)	Inlet	76	76	74	78	77	76	77	72	85
BOX HBF 80 T6 (A2:9) F300 (27, 5º)	Inlet	77	75	73	77	76	75	77	72	85
BOX HBF 80 T6 (A2:9) F300 (30º)	Inlet	78	75	73	75	75	75	75	72	84
BOX HBF 80 T6 (A2:9) F300 (32, 5º)	Inlet	77	74	72	74	74	74	74	70	83
BOX HBF 80 T6 (A2:9) F300 (35º)	Inlet	77	74	72	73	74	74	74	69	83
BOX HBF 80 T6 (A2:9) F300 (37, 5º)	Inlet	78	75	73	72	73	74	73	69	83
BOX HBF 80 T6 (A2:9) F300 (40º)	Inlet	78	75	73	72	73	73	73	69	83
BOX HBF 80 T6 (A2:9) F300 (42, 5º)	Inlet	78	76	74	72	72	73	72	68	83

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 80 T6 (A2:9) F300 (45º)	Inlet	78	76	74	72	72	72	71	67	83
BOX HBF 90 T6 (A6:3) F300 (20º)	Inlet	74	67	69	66	67	67	70	67	78
BOX HBF 90 T6 (A6:3) F300 (22º)	Inlet	76	69	71	68	69	69	72	68	80
BOX HBF 90 T6 (A6:3) F300 (24º)	Inlet	77	71	72	70	70	70	73	69	81
BOX HBF 90 T6 (A6:3) F300 (26º)	Inlet	78	72	73	72	72	72	74	70	83
BOX HBF 90 T6 (A6:3) F300 (28º)	Inlet	79	74	74	74	73	73	75	71	84
BOX HBF 90 T6 (A6:3) F300 (30º)	Inlet	80	75	75	76	74	74	76	72	85
BOX HBF 90 T6 (A6:3) F300 (32º)	Inlet	80	76	76	77	75	75	76	72	85
BOX HBF 90 T6 (A6:3) F300 (34º)	Inlet	80	76	76	78	75	75	76	73	86
BOX HBF 90 T6 (A6:3) F300 (36º)	Inlet	80	77	77	79	76	76	77	73	86
BOX HBF 90 T6 (A6:3) F300 (38º)	Inlet	80	78	78	80	77	77	78	74	87
BOX HBF 90 T6 (A6:3) F300 (40º)	Inlet	80	79	79	81	78	79	79	75	88
BOX HBF 90 T6 (A6:3) F300 (42º)	Inlet	81	79	79	82	79	80	79	76	89
BOX HBF 90 T6 (A6:6) F300 (20º)	Inlet	79	79	78	79	81	77	78	75	88
BOX HBF 90 T6 (A6:6) F300 (22º)	Inlet	80	79	79	80	81	78	79	76	88
BOX HBF 90 T6 (A6:6) F300 (24º)	Inlet	81	80	79	81	81	78	79	76	89
BOX HBF 90 T6 (A6:6) F300 (26º)	Inlet	82	81	80	81	80	79	80	77	89
BOX HBF 90 T6 (A6:6) F300 (28º)	Inlet	82	81	80	81	80	79	80	77	89
BOX HBF 90 T6 (A6:6) F300 (30º)	Inlet	83	82	80	82	80	79	81	78	90
BOX HBF 90 T6 (A6:6) F300 (32º)	Inlet	82	81	79	80	78	78	79	76	88
BOX HBF 90 T6 (A6:6) F300 (34º)	Inlet	80	79	77	78	76	76	78	74	87
BOX HBF 90 T6 (A6:6) F300 (36º)	Inlet	80	79	77	78	76	76	78	74	87
BOX HBF 90 T6 (A6:6) F300 (38º)	Inlet	81	80	78	78	76	77	78	74	87
BOX HBF 90 T6 (A6:6) F300 (40º)	Inlet	82	81	79	79	77	77	78	75	88
BOX HBF 90 T6 (A6:6) F300 (42º)	Inlet	82	81	80	79	78	77	79	75	89
BOX HBF 100 T6 (A6:3) F300 (20º)	Inlet	78	75	73	72	75	75	79	73	85
BOX HBF 100 T6 (A6:3) F300 (22º)	Inlet	80	76	75	74	76	76	79	74	86
BOX HBF 100 T6 (A6:3) F300 (24º)	Inlet	80	76	75	74	75	76	79	74	86
BOX HBF 100 T6 (A6:3) F300 (26º)	Inlet	80	76	75	74	75	75	78	73	85
BOX HBF 100 T6 (A6:3) F300 (28º)	Inlet	80	76	75	75	75	75	77	73	85
BOX HBF 100 T6 (A6:3) F300 (30º)	Inlet	80	76	75	75	74	74	76	72	85
BOX HBF 100 T6 (A6:3) F300 (32º)	Inlet	82	78	77	77	76	76	77	73	87
BOX HBF 100 T6 (A6:3) F300 (34º)	Inlet	83	79	79	78	77	77	78	74	88

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 100 T6 (A6:3) F300 (36º)	Inlet	84	80	79	80	78	78	78	75	89
BOX HBF 100 T6 (A6:3) F300 (38º)	Inlet	84	80	80	80	79	78	79	76	89
BOX HBF 100 T6 (A6:3) F300 (40º)	Inlet	83	81	80	81	80	79	79	76	89
BOX HBF 100 T6 (A6:3) F300 (42º)	Inlet	84	82	80	82	81	80	80	77	90
BOX HBF 100 T6 (A6:6) F300 (20º)	Inlet	83	84	82	87	84	83	83	80	93
BOX HBF 100 T6 (A6:6) F300 (22º)	Inlet	84	84	82	86	84	82	82	80	92
BOX HBF 100 T6 (A6:6) F300 (24º)	Inlet	84	85	83	86	83	82	83	80	93
BOX HBF 100 T6 (A6:6) F300 (26º)	Inlet	86	85	84	86	84	83	83	81	93
BOX HBF 100 T6 (A6:6) F300 (28º)	Inlet	87	86	85	86	84	83	84	82	94
BOX HBF 100 T6 (A6:6) F300 (30º)	Inlet	88	86	85	86	84	83	84	82	94
BOX HBF 100 T6 (A6:6) F300 (32º)	Inlet	87	85	84	84	82	81	83	80	93
BOX HBF 100 T6 (A6:6) F300 (34º)	Inlet	86	84	83	82	81	80	82	79	92
BOX HBF 100 T6 (A6:6) F300 (36º)	Inlet	86	84	83	81	80	80	81	78	91
BOX HBF 100 T6 (A6:6) F300 (38º)	Inlet	86	84	83	82	81	80	82	78	92
BOX HBF 100 T6 (A6:6) F300 (40º)	Inlet	87	85	83	82	81	81	82	79	92
BOX HBF 100 T6 (A6:6) F300 (42º)	Inlet	86	85	83	82	81	81	82	78	92
BOX HBF 112 T6 (A6:3) F300 (20º)	Inlet	81	78	76	77	79	80	82	78	88
BOX HBF 112 T6 (A6:3) F300 (22º)	Inlet	82	79	77	78	80	80	82	79	89
BOX HBF 112 T6 (A6:3) F300 (24º)	Inlet	84	81	79	79	80	80	83	79	90
BOX HBF 112 T6 (A6:3) F300 (26º)	Inlet	85	81	80	80	80	80	83	79	90
BOX HBF 112 T6 (A6:3) F300 (28º)	Inlet	85	81	80	80	80	80	82	79	90
BOX HBF 112 T6 (A6:3) F300 (30º)	Inlet	85	81	80	80	79	79	82	78	90

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 112 T6 (A6:3) F300 (32º)	Inlet	86	81	81	80	80	79	82	79	91
BOX HBF 112 T6 (A6:3) F300 (34º)	Inlet	87	81	82	81	80	80	81	79	91
BOX HBF 112 T6 (A6:3) F300 (36º)	Inlet	87	82	82	82	80	80	81	79	91
BOX HBF 112 T6 (A6:3) F300 (38º)	Inlet	87	83	82	82	81	81	82	79	92
BOX HBF 112 T6 (A6:3) F300 (40º)	Inlet	87	83	82	82	81	81	82	79	92
BOX HBF 112 T6 (A6:3) F300 (42º)	Inlet	87	84	82	83	82	82	82	80	92
BOX HBF 112 T6 (A6:6) F300 (20º)	Inlet	84	85	83	89	87	84	86	82	94
BOX HBF 112 T6 (A6:6) F300 (22º)	Inlet	85	85	83	88	86	84	85	82	94
BOX HBF 112 T6 (A6:6) F300 (24º)	Inlet	85	84	83	87	85	83	85	81	94
BOX HBF 112 T6 (A6:6) F300 (26º)	Inlet	87	85	83	87	85	84	85	81	94
BOX HBF 112 T6 (A6:6) F300 (28º)	Inlet	88	86	84	86	85	84	85	80	94
BOX HBF 112 T6 (A6:6) F300 (30º)	Inlet	89	86	84	85	84	84	85	80	94
BOX HBF 112 T6 (A6:6) F300 (32º)	Inlet	89	85	84	84	83	83	84	79	94
BOX HBF 112 T6 (A6:6) F300 (34º)	Inlet	88	85	83	82	82	82	83	78	93
BOX HBF 112 T6 (A6:6) F300 (36º)	Inlet	89	86	84	82	82	83	84	78	94
BOX HBF 112 T6 (A6:6) F300 (38º)	Inlet	91	87	86	84	84	84	85	80	95
BOX HBF 112 T6 (A6:6) F300 (40º)	Inlet	93	89	88	86	86	86	86	82	97
BOX HBF 112 T6 (A6:6) F300 (42º)	Inlet	93	88	88	86	85	85	86	81	97
BOX HBF 125 T6 (A6:3) F300 (20º)	Inlet	84	83	84	85	85	84	86	86	94
BOX HBF 125 T6 (A6:3) F300 (22º)	Inlet	85	84	85	85	85	84	86	86	94
BOX HBF 125 T6 (A6:3) F300 (24º)	Inlet	86	85	86	85	86	84	86	86	95
BOX HBF 125 T6 (A6:3) F300 (26º)	Inlet	88	86	86	86	86	85	87	86	95

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 125 T6 (A6:3) F300 (28°)	Inlet	89	87	87	86	86	85	87	86	96
BOX HBF 125 T6 (A6:3) F300 (30°)	Inlet	90	87	87	86	86	85	87	86	96
BOX HBF 125 T6 (A6:3) F300 (32°)	Inlet	90	87	87	86	86	84	86	85	96
BOX HBF 125 T6 (A6:3) F300 (34°)	Inlet	91	87	87	85	85	83	85	84	95
BOX HBF 125 T6 (A6:3) F300 (36°)	Inlet	91	87	87	85	85	83	85	83	96
BOX HBF 125 T6 (A6:3) F300 (38°)	Inlet	92	88	87	86	85	84	85	83	96
BOX HBF 125 T6 (A6:3) F300 (40°)	Inlet	92	88	87	86	86	85	85	83	96
BOX HBF 125 T6 (A6:3) F300 (42°)	Inlet	92	89	87	87	86	86	86	84	97
BOX HBF 125 T6 (A6:6) F300 (20°)	Inlet	85	87	85	87	89	87	87	86	96
BOX HBF 125 T6 (A6:6) F300 (22°)	Inlet	87	88	86	88	89	87	88	87	97
BOX HBF 125 T6 (A6:6) F300 (24°)	Inlet	89	89	87	88	89	88	89	87	98
BOX HBF 125 T6 (A6:6) F300 (26°)	Inlet	91	90	88	89	90	88	90	88	99
BOX HBF 125 T6 (A6:6) F300 (28°)	Inlet	93	91	89	90	91	89	91	88	100
BOX HBF 125 T6 (A6:6) F300 (30°)	Inlet	95	92	90	90	91	90	92	89	101
BOX HBF 125 T6 (A6:6) F300 (32°)	Inlet	93	90	88	88	88	88	90	86	99
BOX HBF 125 T6 (A6:6) F300 (34°)	Inlet	91	88	86	85	86	85	87	83	96
BOX HBF 125 T6 (A6:6) F300 (36°)	Inlet	90	87	85	84	84	84	86	81	95
BOX HBF 125 T6 (A6:6) F300 (38°)	Inlet	91	88	86	85	85	85	86	81	96
BOX HBF 125 T6 (A6:6) F300 (40°)	Inlet	93	90	88	86	86	86	86	82	98
BOX HBF 125 T6 (A6:6) F300 (42°)	Inlet	94	91	89	87	87	86	87	83	99

Sound / 4/8 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 20º)	Inlet	29	35	49	49	52	53	54	48	59
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 25º)	Inlet	20	30	41	49	53	51	52	47	58
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 27,5º)	Inlet	25	34	43	49	52	52	53	48	58
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 30º)	Inlet	26	34	42	48	51	51	52	47	58
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 32,5º)	Inlet	27	35	41	46	49	50	51	45	56
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 35º)	Inlet	28	35	41	46	48	50	51	45	56
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 37,5º)	Inlet	28	35	41	45	48	49	50	44	55
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 40º)	Inlet	28	36	41	45	48	50	50	44	55
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 42,5º)	Inlet	29	36	41	45	48	50	50	44	55
BOX HBF 45 T4/T8 (A2:6) F300 (8p - 45º)	Inlet	31	37	44	47	51	53	53	47	58
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 20º)	Inlet	44	51	65	64	68	69	69	63	75
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 25º)	Inlet	36	46	57	64	69	67	67	63	74
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 27,5º)	Inlet	41	50	58	65	68	68	69	64	74
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 30º)	Inlet	42	50	58	64	67	67	68	63	73
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 32,5º)	Inlet	43	50	57	62	64	66	67	61	72
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 35º)	Inlet	44	51	57	61	64	65	67	61	71
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 37,5º)	Inlet	44	51	56	61	63	65	66	60	71
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 40º)	Inlet	44	51	57	61	64	65	66	60	71
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 42,5º)	Inlet	45	52	57	61	64	66	66	60	71
BOX HBF 45 T4/T8 (A2:6) F300 (4p - 45º)	Inlet	46	52	60	63	66	68	69	62	74
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 20º)	Inlet	34	40	48	51	55	57	57	51	62
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 25º)	Inlet	30	37	44	48	53	54	53	45	59
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 27,5º)	Inlet	29	36	44	49	53	53	54	47	59

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 30°)	Inlet	28	35	44	49	53	53	54	47	59
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 32,5°)	Inlet	27	34	44	48	52	52	53	47	58
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 35°)	Inlet	27	34	44	48	52	52	54	48	59
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 37,5°)	Inlet	27	34	44	49	53	53	55	49	59
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 40°)	Inlet	27	34	45	48	52	52	54	48	59
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 42,5°)	Inlet	27	34	45	47	51	52	53	47	58
BOX HBF 45 T4/T8 (A2:9) F300 (8p - 45°)	Inlet	28	35	48	48	52	52	54	47	59
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 20°)	Inlet	50	56	64	67	71	73	73	67	78
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 25°)	Inlet	46	53	60	64	69	69	69	61	75
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 27,5°)	Inlet	45	52	60	65	69	69	70	63	75
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 30°)	Inlet	44	51	60	65	69	69	69	63	75
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 32,5°)	Inlet	43	50	59	64	68	68	69	63	74
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 35°)	Inlet	43	50	60	64	68	68	70	64	75
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 37,5°)	Inlet	43	50	60	64	69	69	70	65	75
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 40°)	Inlet	43	50	61	64	67	68	70	64	74
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 42,5°)	Inlet	42	50	61	63	67	68	69	63	74
BOX HBF 45 T4/T8 (A2:9) F300 (4p - 45°)	Inlet	44	51	64	64	67	68	69	63	75
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 20°)	Inlet	32	39	53	52	55	56	57	51	62
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 25°)	Inlet	24	34	45	52	56	54	55	51	61
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 27,5°)	Inlet	29	38	47	53	56	56	57	52	62
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 30°)	Inlet	30	38	46	52	55	55	56	51	62
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 32,5°)	Inlet	32	39	45	51	53	55	56	50	61

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 35º)	Inlet	33	40	45	50	52	54	55	49	60
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 37,5º)	Inlet	32	39	45	49	52	53	55	48	59
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 40º)	Inlet	32	40	45	49	52	54	54	48	59
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 42,5º)	Inlet	33	40	45	49	52	54	54	48	59
BOX HBF 50 T4/T8 (A2:6) F300 (8p - 45º)	Inlet	34	40	47	51	54	56	56	50	62
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 20º)	Inlet	48	54	68	68	71	72	73	67	78
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 25º)	Inlet	39	50	61	68	72	70	71	66	77
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 27,5º)	Inlet	45	54	62	69	72	72	73	67	78
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 30º)	Inlet	46	54	62	68	71	71	72	67	77
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 32,5º)	Inlet	48	55	61	67	69	71	71	66	76
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 35º)	Inlet	48	55	61	66	68	70	71	65	76
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 37,5º)	Inlet	48	55	61	65	68	69	70	64	75
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 40º)	Inlet	48	55	61	65	68	70	70	64	75
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 42,5º)	Inlet	49	56	61	65	68	70	70	64	75
BOX HBF 50 T4/T8 (A2:6) F300 (4p - 45º)	Inlet	50	56	63	66	70	72	72	66	77
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 20º)	Inlet	38	42	50	54	57	59	58	53	64
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 25º)	Inlet	33	40	47	52	56	57	56	48	62
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 27,5º)	Inlet	33	40	48	53	57	57	57	51	63
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 30º)	Inlet	32	39	48	53	57	57	57	51	63
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 32,5º)	Inlet	31	38	47	52	56	56	57	51	62
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 35º)	Inlet	31	38	47	52	56	56	58	52	62
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 37,5º)	Inlet	31	37	48	52	56	56	58	53	63

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 40º)	Inlet	30	37	48	52	55	56	58	52	62
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 42,5º)	Inlet	30	38	49	51	55	55	57	51	62
BOX HBF 50 T4/T8 (A2:9) F300 (8p - 45º)	Inlet	31	38	52	52	55	56	57	51	62
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 20º)	Inlet	54	58	66	69	73	75	74	68	80
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 25º)	Inlet	49	56	63	67	72	72	72	64	78
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 27,5º)	Inlet	48	56	64	68	73	73	73	66	79
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 30º)	Inlet	48	55	64	68	72	73	73	67	78
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 32,5º)	Inlet	47	54	63	68	72	72	73	67	78
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 35º)	Inlet	47	53	63	68	72	72	73	68	78
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 37,5º)	Inlet	46	53	63	68	72	72	74	68	79
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 40º)	Inlet	46	53	64	67	71	72	73	67	78
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 42,5º)	Inlet	46	53	65	67	70	71	73	67	78
BOX HBF 50 T4/T8 (A2:9) F300 (4p - 45º)	Inlet	47	54	67	67	71	72	73	67	78
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 20º)	Inlet	35	42	53	55	58	59	60	54	65
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 25º)	Inlet	28	36	46	55	57	57	58	53	63
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 27,5º)	Inlet	31	39	48	55	57	58	59	54	64
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 30º)	Inlet	32	40	48	54	56	57	58	53	63
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 32,5º)	Inlet	33	40	47	53	55	56	57	52	62
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 35º)	Inlet	34	41	47	52	55	57	57	52	62
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 37,5º)	Inlet	34	41	47	52	54	57	57	52	62
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 40º)	Inlet	35	42	47	53	55	57	57	51	62
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 42,5º)	Inlet	36	43	48	53	55	57	58	51	63

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 56 T4/T8 (A2:6) F300 (8p - 45º)	Inlet	37	42	50	53	56	58	58	52	64
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 20º)	Inlet	51	57	69	71	74	75	75	70	81
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 25º)	Inlet	43	52	62	71	73	73	74	69	79
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 27,5º)	Inlet	47	55	64	71	73	74	75	69	80
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 30º)	Inlet	48	55	63	70	72	73	74	69	79
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 32,5º)	Inlet	49	56	63	68	71	72	73	68	78
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 35º)	Inlet	50	57	63	68	70	72	73	67	78
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 37,5º)	Inlet	50	57	62	68	70	73	73	67	78
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 40º)	Inlet	51	58	63	68	71	73	73	67	78
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 42,5º)	Inlet	51	59	64	69	71	73	74	67	79
BOX HBF 56 T4/T8 (A2:6) F300 (4p - 45º)	Inlet	53	58	66	69	72	74	74	68	79
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 20º)	Inlet	40	44	53	56	60	60	60	54	66
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 25º)	Inlet	35	40	49	55	58	58	58	51	64
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 27,5º)	Inlet	35	40	49	55	58	58	59	52	64
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 30º)	Inlet	35	40	49	55	58	58	59	53	64
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 32,5º)	Inlet	35	41	50	55	58	59	60	54	65
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 35º)	Inlet	35	41	50	55	58	59	60	55	65
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 37,5º)	Inlet	34	40	50	55	58	59	61	55	65
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 40º)	Inlet	34	41	50	54	58	59	60	54	65
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 42,5º)	Inlet	34	41	51	54	58	59	60	54	65
BOX HBF 56 T4/T8 (A2:9) F300 (8p - 45º)	Inlet	35	41	52	55	58	59	60	54	65
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 20º)	Inlet	56	60	68	72	75	76	76	70	82

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 25º)	Inlet	51	56	65	71	74	74	74	66	80
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 27,5º)	Inlet	51	56	65	70	74	74	75	68	80
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 30º)	Inlet	51	56	65	71	74	74	75	69	80
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 32,5º)	Inlet	51	56	65	71	74	75	76	70	81
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 35º)	Inlet	50	56	66	71	74	75	76	70	81
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 37,5º)	Inlet	50	56	66	71	74	75	76	70	81
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 40º)	Inlet	50	57	66	70	74	75	76	70	81
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 42,5º)	Inlet	50	57	67	70	74	74	75	70	80
BOX HBF 56 T4/T8 (A2:9) F300 (4p - 45º)	Inlet	51	57	68	70	74	75	75	70	81
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 20º)	Inlet	39	46	52	57	60	62	62	57	68
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 25º)	Inlet	30	34	46	55	56	55	57	52	62
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 27,5º)	Inlet	34	39	49	57	58	59	60	55	65
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 30º)	Inlet	34	40	49	56	58	59	60	55	65
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 32,5º)	Inlet	35	42	49	55	57	59	59	55	65
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 35º)	Inlet	35	43	48	55	57	59	59	54	64
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 37,5º)	Inlet	35	42	47	54	56	59	59	53	64
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 40º)	Inlet	36	43	49	55	57	59	59	53	64
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 42,5º)	Inlet	37	44	50	55	57	59	59	54	65
BOX HBF 63 T4/T8 (A2:6) F300 (8p - 45º)	Inlet	39	44	52	56	59	60	60	54	66
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 20º)	Inlet	55	62	67	73	76	78	78	73	83
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 25º)	Inlet	46	49	62	71	71	71	73	68	78
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 27,5º)	Inlet	50	55	65	73	74	75	76	71	81

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 30º)	Inlet	50	56	65	72	74	75	76	71	81
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 32,5º)	Inlet	51	58	65	71	73	75	75	70	81
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 35º)	Inlet	51	58	64	70	73	75	75	70	80
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 37,5º)	Inlet	51	58	63	70	72	75	75	69	80
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 40º)	Inlet	52	59	64	70	73	75	75	69	80
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 42,5º)	Inlet	53	59	66	71	73	75	75	69	81
BOX HBF 63 T4/T8 (A2:6) F300 (4p - 45º)	Inlet	55	60	67	72	75	76	76	70	81
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 20º)	Inlet	43	47	56	59	62	63	62	56	68
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 25º)	Inlet	39	42	53	58	60	60	61	55	67
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 27,5º)	Inlet	39	43	52	58	60	60	61	56	67
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 30º)	Inlet	39	43	52	58	60	61	62	56	67
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 32,5º)	Inlet	39	44	52	58	60	62	63	57	68
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 35º)	Inlet	39	44	52	58	60	62	63	57	68
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 37,5º)	Inlet	38	45	52	58	61	62	63	57	68
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 40º)	Inlet	39	45	52	58	61	62	63	57	68
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 42,5º)	Inlet	39	45	51	57	61	62	62	57	68
BOX HBF 63 T4/T8 (A2:9) F300 (8p - 45º)	Inlet	39	46	51	57	60	62	62	57	68
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 20º)	Inlet	59	63	72	75	78	79	78	72	84
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 25º)	Inlet	54	57	69	74	76	75	77	71	82
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 27,5º)	Inlet	54	58	68	74	76	76	77	72	82
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 30º)	Inlet	55	59	68	74	76	77	78	72	83
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 32,5º)	Inlet	55	60	68	74	76	77	78	73	83

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 35º)	Inlet	55	60	68	74	76	78	79	73	84
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 37,5º)	Inlet	54	61	68	74	77	78	79	73	84
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 40º)	Inlet	54	61	68	74	76	78	78	73	84
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 42,5º)	Inlet	55	61	67	73	76	78	78	73	83
BOX HBF 63 T4/T8 (A2:9) F300 (4p - 45º)	Inlet	55	61	67	73	76	78	78	73	83
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 20º)	Inlet	42	49	55	60	63	64	64	58	70
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 25º)	Inlet	36	42	54	61	64	63	66	59	70
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 27,5º)	Inlet	38	44	53	60	63	64	65	59	70
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 30º)	Inlet	39	45	53	60	62	63	64	59	69
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 32,5º)	Inlet	39	46	52	59	61	63	63	59	69
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 35º)	Inlet	39	46	52	58	60	62	63	57	68
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 37,5º)	Inlet	38	45	51	57	59	61	62	56	67
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 40º)	Inlet	40	47	52	57	60	62	62	56	67
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 42,5º)	Inlet	41	48	53	58	61	63	62	56	68
BOX HBF 71 T4/T8 (A2:6) F300 (8p - 45º)	Inlet	42	47	55	59	62	63	62	56	68
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 20º)	Inlet	57	65	71	76	79	80	80	74	86
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 25º)	Inlet	52	58	70	77	80	79	81	75	86
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 27,5º)	Inlet	54	60	69	76	79	79	81	75	86
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 30º)	Inlet	54	61	69	76	78	79	80	75	85
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 32,5º)	Inlet	55	62	68	75	77	79	79	74	84
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 35º)	Inlet	55	62	67	74	76	78	78	73	83
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 37,5º)	Inlet	54	61	67	72	75	77	78	71	83

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 40º)	Inlet	55	63	68	73	76	78	78	72	83
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 42,5º)	Inlet	57	63	69	74	77	79	78	72	84
BOX HBF 71 T4/T8 (A2:6) F300 (4p - 45º)	Inlet	58	63	71	74	78	79	78	72	84
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 20º)	Inlet	44	51	58	61	64	65	64	57	70
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 25º)	Inlet	42	48	58	64	67	66	68	61	73
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 27,5º)	Inlet	42	48	56	63	65	65	67	60	72
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 30º)	Inlet	42	48	55	62	65	65	66	60	71
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 32,5º)	Inlet	42	48	54	61	64	65	66	60	71
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 35º)	Inlet	42	49	54	61	64	65	65	60	71
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 37,5º)	Inlet	41	48	54	61	64	65	65	59	71
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 40º)	Inlet	42	49	55	61	64	65	65	60	71
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 42,5º)	Inlet	43	50	56	60	64	65	65	60	71
BOX HBF 71 T4/T8 (A2:9) F300 (8p - 45º)	Inlet	42	49	55	60	63	65	65	59	70
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 20º)	Inlet	60	67	74	77	80	80	80	73	86
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 25º)	Inlet	58	64	73	80	83	82	84	77	89
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 27,5º)	Inlet	58	64	72	78	81	81	83	76	88
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 30º)	Inlet	58	64	71	78	80	81	82	76	87
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 32,5º)	Inlet	58	64	70	77	79	80	81	76	86
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 35º)	Inlet	57	64	70	77	80	81	81	76	86
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 37,5º)	Inlet	57	64	70	77	80	81	81	75	86
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 40º)	Inlet	58	65	71	76	80	81	81	75	87
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 42,5º)	Inlet	59	66	71	76	80	81	81	75	87

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 71 T4/T8 (A2:9) F300 (4p - 45º)	Inlet	58	65	71	76	79	81	80	74	86
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 20º)	Inlet	45	53	59	62	65	67	66	60	72
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 25º)	Inlet	36	43	54	61	65	65	66	61	71
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 27,5º)	Inlet	39	46	54	61	64	65	66	61	71
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 30º)	Inlet	40	47	54	61	64	65	66	60	71
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 32,5º)	Inlet	41	48	54	60	63	66	66	60	71
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 35º)	Inlet	42	49	55	60	63	66	66	59	71
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 37,5º)	Inlet	43	50	56	60	63	66	65	59	71
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 40º)	Inlet	44	51	56	60	63	65	65	58	70
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 42,5º)	Inlet	43	51	56	60	63	64	64	57	70
BOX HBF 80 T4/T8 (A2:6) F300 (8p - 45º)	Inlet	44	51	57	60	64	64	64	57	70
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 20º)	Inlet	61	69	75	78	81	83	82	76	88
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 25º)	Inlet	52	59	69	77	81	80	82	77	87
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 27,5º)	Inlet	55	62	70	77	80	81	82	76	87
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 30º)	Inlet	56	63	70	77	80	81	82	76	87
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 32,5º)	Inlet	57	64	70	76	79	81	82	76	87
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 35º)	Inlet	58	65	71	76	79	82	82	75	87
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 37,5º)	Inlet	59	66	72	76	79	82	81	74	86
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 40º)	Inlet	59	66	72	76	79	81	80	74	86
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 42,5º)	Inlet	59	67	72	76	79	80	80	73	85
BOX HBF 80 T4/T8 (A2:6) F300 (4p - 45º)	Inlet	59	67	73	76	79	80	80	73	86
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 20º)	Inlet	48	57	64	72	73	74	74	68	80

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 25º)	Inlet	41	54	60	71	73	72	74	65	79
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 27,5º)	Inlet	43	53	58	68	71	70	72	64	77
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 30º)	Inlet	44	53	58	67	70	70	71	64	76
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 32,5º)	Inlet	45	52	58	65	69	69	70	64	75
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 35º)	Inlet	45	52	57	64	68	69	69	63	74
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 37,5º)	Inlet	44	51	57	63	67	69	68	62	74
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 40º)	Inlet	45	52	58	63	67	69	68	62	73
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 42,5º)	Inlet	46	53	58	62	66	68	67	61	73
BOX HBF 80 T4/T8 (A2:9) F300 (8p - 45º)	Inlet	46	53	59	62	66	67	66	60	72
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 20º)	Inlet	64	73	80	88	89	90	90	84	96
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 25º)	Inlet	57	69	76	87	89	87	90	81	95
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 27,5º)	Inlet	59	69	74	84	86	86	87	80	92
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 30º)	Inlet	60	69	74	83	86	86	87	80	92
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 32,5º)	Inlet	61	68	73	81	84	85	86	80	91
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 35º)	Inlet	60	67	73	80	84	85	85	79	90
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 37,5º)	Inlet	60	67	73	79	83	85	84	78	90
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 40º)	Inlet	61	68	73	79	82	84	84	77	89
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 42,5º)	Inlet	62	69	74	78	82	84	83	77	89
BOX HBF 80 T4/T8 (A2:9) F300 (4p - 45º)	Inlet	61	69	75	78	81	83	82	76	88
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 20º)	Inlet	68	61	63	59	61	61	64	60	72
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 22º)	Inlet	69	63	64	62	62	63	65	62	74
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 24º)	Inlet	70	64	66	64	64	64	66	63	75

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 26º)	Inlet	71	66	67	66	65	65	67	64	76
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 28º)	Inlet	72	67	68	68	66	66	68	65	77
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 30º)	Inlet	73	69	69	70	68	68	70	66	79
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 32º)	Inlet	73	69	69	71	68	68	70	66	79
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 34º)	Inlet	73	70	70	72	69	69	70	66	79
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 36º)	Inlet	74	70	70	73	69	70	70	67	80
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 38º)	Inlet	74	71	71	74	71	71	71	68	81
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 40º)	Inlet	74	72	72	75	72	72	72	69	82
BOX HBF 90 T4/T8 (A6:3) F300 (8p - 42º)	Inlet	75	73	73	75	73	73	73	70	83
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 20º)	Inlet	84	77	79	75	76	77	80	76	88
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 22º)	Inlet	85	79	80	77	78	78	81	77	89
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 24º)	Inlet	86	80	81	80	80	80	82	79	91
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 26º)	Inlet	87	82	83	82	81	81	83	80	92
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 28º)	Inlet	88	83	84	84	82	82	84	81	93
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 30º)	Inlet	89	85	85	86	84	84	85	82	94
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 32º)	Inlet	89	85	85	87	84	84	86	82	95
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 34º)	Inlet	89	85	85	88	85	85	86	82	95
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 36º)	Inlet	89	86	86	89	85	86	86	83	96
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 38º)	Inlet	90	87	87	90	87	87	87	84	97
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 40º)	Inlet	90	88	88	91	88	88	88	85	98
BOX HBF 90 T4/T8 (A6:3) F300 (4p - 42º)	Inlet	91	89	89	91	89	89	89	85	99
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 20º)	Inlet	73	72	72	73	74	71	72	69	82

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 22º)	Inlet	74	73	72	73	74	71	72	69	82
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 24º)	Inlet	74	74	73	74	74	72	73	70	83
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 26º)	Inlet	75	74	73	74	74	72	73	70	83
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 28º)	Inlet	76	75	73	75	74	72	74	71	83
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 30º)	Inlet	77	75	74	75	73	73	74	71	84
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 32º)	Inlet	75	74	72	73	72	71	73	70	82
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 34º)	Inlet	74	73	71	72	70	70	71	68	80
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 36º)	Inlet	74	72	70	71	69	69	71	67	80
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 38º)	Inlet	75	73	71	72	70	70	72	68	81
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 40º)	Inlet	75	74	72	73	71	71	72	68	82
BOX HBF 90 T4/T8 (A6:6) F300 (8p - 42º)	Inlet	76	75	73	73	71	71	72	68	82
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 20º)	Inlet	89	88	88	89	90	87	87	85	98
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 22º)	Inlet	89	89	88	89	90	87	88	85	98
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 24º)	Inlet	90	90	89	90	90	88	89	86	99
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 26º)	Inlet	91	90	89	90	90	88	89	86	99
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 28º)	Inlet	92	91	89	91	90	88	90	87	99
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 30º)	Inlet	92	91	90	91	89	89	90	87	100
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 32º)	Inlet	91	90	88	89	87	87	89	85	98
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 34º)	Inlet	90	89	87	88	86	86	87	84	96
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 36º)	Inlet	90	88	86	87	85	85	87	83	96
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 38º)	Inlet	91	89	87	88	86	86	87	84	97
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 40º)	Inlet	91	90	88	88	87	86	88	84	98

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 90 T4/T8 (A6:6) F300 (4p - 42º)	Inlet	92	91	89	89	87	87	88	84	98
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 20º)	Inlet	72	69	67	66	68	68	73	67	78
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 22º)	Inlet	73	70	68	67	69	69	73	68	79
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 24º)	Inlet	73	70	68	68	69	69	72	67	79
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 26º)	Inlet	73	70	68	68	69	69	71	67	79
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 28º)	Inlet	73	70	68	68	68	68	70	66	79
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 30º)	Inlet	74	70	69	69	68	68	70	66	79
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 32º)	Inlet	75	71	70	70	69	69	70	67	80
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 34º)	Inlet	77	72	72	72	70	70	71	68	82
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 36º)	Inlet	77	73	73	73	71	71	72	69	82
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 38º)	Inlet	77	74	73	74	72	72	72	69	83
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 40º)	Inlet	77	74	73	75	73	73	73	70	83
BOX HBF 100 T4/T8 (A6:3) F300 (8p - 42º)	Inlet	77	75	74	75	74	73	74	71	84
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 20º)	Inlet	88	85	83	82	84	84	88	83	94
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 22º)	Inlet	89	86	84	83	85	85	89	83	95
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 24º)	Inlet	89	86	84	84	85	85	88	83	95
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 26º)	Inlet	89	86	84	84	84	84	87	83	95
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 28º)	Inlet	89	86	84	84	84	84	86	82	94
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 30º)	Inlet	89	86	84	84	84	84	85	82	94
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 32º)	Inlet	91	87	86	86	85	85	86	83	96
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 34º)	Inlet	93	88	88	88	86	86	87	84	98
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 36º)	Inlet	93	89	89	89	87	87	88	84	98

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 38º)	Inlet	93	90	89	90	88	88	88	85	99
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 40º)	Inlet	93	90	89	90	89	89	89	86	99
BOX HBF 100 T4/T8 (A6:3) F300 (4p - 42º)	Inlet	93	91	90	91	90	89	89	86	100
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 20º)	Inlet	77	78	76	80	78	76	76	74	86
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 22º)	Inlet	77	78	76	79	77	76	76	74	86
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 24º)	Inlet	78	78	76	79	77	76	76	74	86
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 26º)	Inlet	79	79	77	79	77	76	77	75	87
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 28º)	Inlet	81	80	78	80	77	77	78	75	88
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 30º)	Inlet	82	80	79	79	77	76	78	75	88
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 32º)	Inlet	80	79	78	77	76	75	77	74	87
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 34º)	Inlet	79	78	77	75	74	73	75	72	85
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 36º)	Inlet	79	77	76	74	74	73	75	72	85
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 38º)	Inlet	80	78	77	75	74	74	75	72	85
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 40º)	Inlet	80	78	77	76	75	75	76	72	86
BOX HBF 100 T4/T8 (A6:6) F300 (8p - 42º)	Inlet	80	78	77	76	75	74	75	72	86
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 20º)	Inlet	93	94	92	96	94	92	92	90	102
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 22º)	Inlet	93	94	92	95	93	92	92	90	102
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 24º)	Inlet	94	94	92	95	93	92	92	90	102
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 26º)	Inlet	95	95	93	95	93	92	93	91	103
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 28º)	Inlet	97	95	94	96	93	92	94	91	104
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 30º)	Inlet	98	96	95	95	93	92	94	91	104
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 32º)	Inlet	96	95	94	93	92	91	92	90	103

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 34º)	Inlet	95	94	93	91	90	89	91	88	101
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 36º)	Inlet	95	93	92	90	90	89	91	87	101
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 38º)	Inlet	95	94	92	91	90	90	91	88	101
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 40º)	Inlet	96	94	93	92	91	90	91	88	102
BOX HBF 100 T4/T8 (A6:6) F300 (4p - 42º)	Inlet	96	94	93	92	91	90	91	88	102
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 20º)	Inlet	75	72	70	71	73	73	75	72	82
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 22º)	Inlet	76	73	71	72	73	73	76	72	83
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 24º)	Inlet	77	74	72	73	74	74	76	73	84
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 26º)	Inlet	78	75	73	73	74	74	76	73	84
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 28º)	Inlet	79	75	74	74	74	74	76	73	84
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 30º)	Inlet	79	74	74	73	73	73	75	72	84
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 32º)	Inlet	79	75	74	74	73	73	75	72	84
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 34º)	Inlet	80	75	75	75	74	73	75	72	85
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 36º)	Inlet	81	76	76	75	74	74	75	73	85
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 38º)	Inlet	81	76	76	76	75	74	75	73	86
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 40º)	Inlet	80	77	75	76	75	75	75	73	86
BOX HBF 112 T4/T8 (A6:3) F300 (8p - 42º)	Inlet	81	77	76	76	75	75	76	73	86
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 20º)	Inlet	91	88	86	87	89	89	91	88	98
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 22º)	Inlet	92	89	87	88	89	89	92	88	99
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 24º)	Inlet	93	90	88	89	90	90	92	89	100
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 26º)	Inlet	94	91	89	89	90	90	92	89	100
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 28º)	Inlet	95	91	90	90	90	89	92	89	100

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 30º)	Inlet	95	90	90	89	89	89	91	88	100
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 32º)	Inlet	95	90	90	90	89	89	91	88	100
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 34º)	Inlet	96	91	91	90	89	89	91	88	101
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 36º)	Inlet	96	91	91	91	90	89	91	88	101
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 38º)	Inlet	96	92	91	92	90	90	91	89	102
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 40º)	Inlet	96	92	91	92	91	91	91	88	102
BOX HBF 112 T4/T8 (A6:3) F300 (4p - 42º)	Inlet	96	93	91	92	91	91	92	89	102
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 20º)	Inlet	77	78	77	83	80	78	79	76	88
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 22º)	Inlet	78	78	77	82	80	78	79	75	88
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 24º)	Inlet	79	78	76	80	79	77	78	74	87
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 26º)	Inlet	80	79	77	80	78	77	78	74	88
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 28º)	Inlet	82	79	77	80	78	78	79	74	88
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 30º)	Inlet	83	79	77	79	78	78	78	73	88
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 32º)	Inlet	82	79	77	77	76	77	77	72	87
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 34º)	Inlet	82	79	77	76	75	76	77	72	87
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 36º)	Inlet	83	79	78	76	76	76	77	72	88
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 38º)	Inlet	85	81	80	77	78	78	79	74	89
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 40º)	Inlet	87	83	82	79	79	79	80	75	91
BOX HBF 112 T4/T8 (A6:6) F300 (8p - 42º)	Inlet	87	82	82	79	79	79	79	75	91
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 20º)	Inlet	93	94	93	99	96	94	95	92	104
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 22º)	Inlet	94	94	93	98	96	93	95	91	104
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 24º)	Inlet	95	94	92	96	95	93	94	90	103

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 26º)	Inlet	96	95	93	96	94	93	94	90	104
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 28º)	Inlet	98	95	93	96	94	94	94	90	104
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 30º)	Inlet	99	95	93	95	93	93	94	89	104
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 32º)	Inlet	98	95	93	93	92	93	93	88	103
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 34º)	Inlet	98	95	93	91	91	92	93	87	103
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 36º)	Inlet	99	95	94	92	92	92	93	88	104
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 38º)	Inlet	101	97	96	93	93	94	94	89	105
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 40º)	Inlet	103	99	98	95	95	95	96	91	107
BOX HBF 112 T4/T8 (A6:6) F300 (4p - 42º)	Inlet	103	98	98	95	95	95	95	91	107
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 20º)	Inlet	77	77	78	78	78	78	79	80	88
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 22º)	Inlet	78	78	78	78	79	78	80	80	88
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 24º)	Inlet	80	79	79	79	79	78	80	80	89
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 26º)	Inlet	82	80	80	79	79	78	80	80	89
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 28º)	Inlet	83	80	80	79	80	78	80	80	90
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 30º)	Inlet	84	81	81	79	80	78	80	79	90
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 32º)	Inlet	84	81	81	79	79	78	80	78	90
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 34º)	Inlet	84	80	80	79	79	77	79	77	89
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 36º)	Inlet	85	80	80	79	78	77	78	77	89
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 38º)	Inlet	86	81	81	80	79	78	79	77	90
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 40º)	Inlet	86	82	81	80	79	79	79	77	90
BOX HBF 125 T4/T8 (A6:3) F300 (8p - 42º)	Inlet	86	82	81	80	80	79	79	77	91
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 20º)	Inlet	93	93	94	94	94	93	95	96	104

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 22º)	Inlet	94	94	94	94	95	94	95	96	104
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 24º)	Inlet	96	95	95	95	95	94	96	96	105
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 26º)	Inlet	98	95	96	95	95	94	96	96	105
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 28º)	Inlet	99	96	96	95	95	94	96	95	106
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 30º)	Inlet	100	97	97	95	95	94	96	95	106
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 32º)	Inlet	100	97	97	95	95	94	96	94	106
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 34º)	Inlet	100	96	96	95	94	93	95	93	105
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 36º)	Inlet	101	96	96	95	94	93	94	93	105
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 38º)	Inlet	102	97	97	95	95	94	95	93	106
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 40º)	Inlet	102	98	97	96	95	94	95	93	106
BOX HBF 125 T4/T8 (A6:3) F300 (4p - 42º)	Inlet	102	98	97	96	96	95	95	93	107
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 20º)	Inlet	79	80	79	81	82	80	81	79	90
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 22º)	Inlet	81	82	80	82	83	81	82	80	91
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 24º)	Inlet	83	83	80	82	83	82	83	80	91
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 26º)	Inlet	85	84	82	83	84	82	84	81	92
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 28º)	Inlet	87	85	83	84	84	83	85	82	93
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 30º)	Inlet	89	86	84	84	85	84	86	83	94
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 32º)	Inlet	87	84	82	82	82	82	83	80	92
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 34º)	Inlet	85	82	79	79	79	79	81	76	90
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 36º)	Inlet	84	81	79	78	78	78	79	75	89
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 38º)	Inlet	85	82	80	79	78	78	79	75	90
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 40º)	Inlet	87	84	82	80	79	79	80	75	91

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBF 125 T4/T8 (A6:6) F300 (8p - 42º)	Inlet	88	85	83	81	80	80	80	76	92
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 20º)	Inlet	95	96	95	97	98	96	97	95	106
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 22º)	Inlet	97	98	96	98	99	97	98	96	107
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 24º)	Inlet	99	99	96	98	99	98	99	96	107
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 26º)	Inlet	101	100	98	99	100	98	100	97	108
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 28º)	Inlet	103	101	99	100	100	99	101	98	109
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 30º)	Inlet	105	102	100	100	101	100	102	99	110
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 32º)	Inlet	103	100	98	98	98	98	99	96	108
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 34º)	Inlet	101	98	95	95	95	95	97	92	106
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 36º)	Inlet	100	97	95	94	94	93	95	91	105
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 38º)	Inlet	101	98	96	95	94	94	95	91	106
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 40º)	Inlet	103	100	98	96	95	95	96	91	107
BOX HBF 125 T4/T8 (A6:6) F300 (4p - 42º)	Inlet	104	101	99	97	96	96	96	92	108

erp data

ERP	
Fan type	Axial fan
Installation category	A
Efficiency category	Static
The fan has to be installed with FSC	No

ERP / 4 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 50 T4 (A2:6) F300 (20º)	0,55	32,85	42,55	2.901,13	119,02	0,29	-	1,00
BOX HBF 50 T4 (A2:6) F300 (25º)	0,55	35,48	44,39	3.762,68	132,30	0,39	-	1,00
BOX HBF 50 T4 (A2:6) F300 (27,5º)	0,55	35,26	43,96	3.937,17	135,97	0,42	-	1,00
BOX HBF 50 T4 (A2:6) F300 (30º)	0,55	34,53	42,74	4.327,41	145,22	0,51	-	1,00
BOX HBF 50 T4 (A2:6) F300 (32,5º)	0,55	33,96	41,90	4.636,09	147,61	0,56	-	1,00
BOX HBF 50 T4 (A2:6) F300 (35º)	0,55	33	40,65	4.965,91	149,34	0,62	-	1,00
BOX HBF 50 T4 (A2:6) F300 (37,5º)	0,75	33,39	40,82	5.305,99	149,96	0,67	-	1,00
BOX HBF 50 T4 (A2:6) F300 (40º)	0,75	32,52	39,68	5.697,74	149,25	0,74	-	1,00
BOX HBF 50 T4 (A2:9) F300 (20º)	0,55	34,41	43,41	2.925,68	157,75	0,38	-	1,00
BOX HBF 50 T4 (A2:9) F300 (25º)	0,55	35,85	44,13	3.864,26	160,46	0,49	-	1,00
BOX HBF 50 T4 (A2:9) F300 (27,5º)	0,55	36,16	44,25	4.147,19	162,39	0,53	-	1,00
BOX HBF 50 T4 (A2:9) F300 (30º)	0,55	36,05	43,67	4.792,94	168,36	0,62	-	1,00
BOX HBF 50 T4 (A2:9) F300 (32,5º)	0,75	35,75	43,11	5.153,56	173,66	0,69	-	1,00
BOX HBF 50 T4 (A2:9) F300 (35º)	0,75	34,78	41,84	5.495,77	178,61	0,77	-	1,00
BOX HBF 50 T4 (A2:9) F300 (37,5º)	0,75	34,91	41,69	5.771,79	181,84	0,85	-	1,00
BOX HBF 50 T4 (A2:9) F300 (40º)	1,10	34,63	41,19	6.165,15	181,75	0,92	-	1,00
BOX HBF 56 T4 (A2:6) F300 (20º)	0,55	39,50	48,34	3.969,63	143,17	0,40	-	1,00
BOX HBF 56 T4 (A2:6) F300 (25º)	0,55	40,72	48,71	5.044,70	157,43	0,55	-	1,00
BOX HBF 56 T4 (A2:6) F300 (27,5º)	0,55	40,19	47,95	5.278,03	162,12	0,60	-	1,00
BOX HBF 56 T4 (A2:6) F300 (30º)	0,75	39,35	46,61	5.872,41	171,38	0,71	-	1,00
BOX HBF 56 T4 (A2:6) F300 (32,5º)	0,75	37,90	44,79	6.310,45	175,89	0,81	-	1,00
BOX HBF 56 T4 (A2:6) F300 (35º)	1,10	37,12	43,72	6.832,34	177,69	0,91	-	1,00
BOX HBF 56 T4 (A2:6) F300 (37,5º)	1,10	36,40	42,74	7.346,23	176,58	1	-	1,00
BOX HBF 56 T4 (A2:6) F300 (40º)	1,10	35,48	41,56	7.847,95	176,37	1,10	-	1,00
BOX HBF 56 T4 (A2:9) F300 (20º)	0,55	39,14	47,15	4.177,56	178,97	0,54	-	1,00
BOX HBF 56 T4 (A2:9) F300 (25º)	0,75	40,72	47,95	5.355,11	192,52	0,72	-	1,00
BOX HBF 56 T4 (A2:9) F300 (27,5º)	0,75	40,31	47,30	5.702,30	196,77	0,79	-	1,00
BOX HBF 56 T4 (A2:9) F300 (30º)	1,10	39,88	46,38	6.502,10	206,44	0,94	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 56 T4 (A2:9) F300 (32,5º)	1,10	38,75	44,94	6.951,85	211,78	1,05	-	1,00
BOX HBF 56 T4 (A2:9) F300 (35º)	1,10	37,65	43,54	7.379,63	217,56	1,17	-	1,00
BOX HBF 56 T4 (A2:9) F300 (37,5º)	1,50	37,32	42,96	7.951,23	215,55	1,29	-	1,00
BOX HBF 56 T4 (A2:9) F300 (40º)	1,50	36,33	41,71	8.466,18	215,86	1,42	-	1,00
BOX HBF 56 T4 (A2:9) F300 (42,5º)	1,50	34,80	39,80	9.071,54	220,61	1,62	-	1,00
BOX HBF 56 T4 (A2:9) F300 (45º)	1,50	34,07	38,90	9.497,57	219,03	1,73	-	1,00
BOX HBF 63 T4 (A2:6) F300 (20º)	0,55	43	51,15	5.225,65	151,70	0,51	-	1,00
BOX HBF 63 T4 (A2:6) F300 (25º)	0,75	43,90	51,06	6.787,03	170,70	0,74	-	1,00
BOX HBF 63 T4 (A2:6) F300 (27,5º)	0,75	43,73	50,63	7.152,59	178,13	0,81	-	1,00
BOX HBF 63 T4 (A2:6) F300 (30º)	1,10	43,70	50,05	8.211,79	189,08	0,99	-	1,00
BOX HBF 63 T4 (A2:6) F300 (32,5º)	1,10	42,06	48,01	8.751,68	198,59	1,15	-	1,00
BOX HBF 63 T4 (A2:6) F300 (35º)	1,50	40,90	46,49	9.528,75	202,44	1,31	-	1,00
BOX HBF 63 T4 (A2:6) F300 (37,5º)	1,50	39,32	44,59	10.160,63	205,80	1,47	-	1,00
BOX HBF 63 T4 (A2:6) F300 (40º)	1,50	37,66	42,62	10.828,36	208,34	1,65	-	1,00
BOX HBF 63 T4 (A2:6) F300 (42,5º)	2,20	38,45	43,29	12.264,89	192,45	1,73	-	1,00
BOX HBF 63 T4 (A2:6) F300 (45º)	2,20	37,39	42,13	12.927,90	184,90	1,79	-	1,00
BOX HBF 63 T4 (A2:9) F300 (20º)	0,75	43,29	50,31	5.781,15	204,30	0,78	-	1,00
BOX HBF 63 T4 (A2:9) F300 (25º)	1,10	44,76	50,97	7.506,96	220,32	1,04	-	1,00
BOX HBF 63 T4 (A2:9) F300 (27,5º)	1,10	44,25	50,17	7.957,84	229,33	1,16	-	1,00
BOX HBF 63 T4 (A2:9) F300 (30º)	1,50	43,70	49,02	9.185,80	242,74	1,44	-	1,00
BOX HBF 63 T4 (A2:9) F300 (32,5º)	1,50	41,84	46,75	9.854,45	254,40	1,68	-	1,00
BOX HBF 63 T4 (A2:9) F300 (35º)	2,20	41,65	46,29	10.519,06	264,43	1,86	-	1,00
BOX HBF 63 T4 (A2:9) F300 (37,5º)	2,20	40,43	44,79	11.289,91	263,93	2,05	-	1,00
BOX HBF 63 T4 (A2:9) F300 (40º)	2,20	39,64	43,74	11.923,30	267,25	2,26	-	1,00
BOX HBF 63 T4 (A2:9) F300 (42,5º)	3	38,54	42,35	13.373,29	256,94	2,51	-	1,00
BOX HBF 63 T4 (A2:9) F300 (45º)	3	37,64	41,31	14.035,81	251,72	2,64	-	1,00
BOX HBF 71 T4 (A2:6) F300 (20º)	0,75	46,52	53,79	6.693,05	177,48	0,71	-	1,00
BOX HBF 71 T4 (A2:6) F300 (25º)	1,10	47,36	53,52	9.067,66	198,82	1,06	-	1,00
BOX HBF 71 T4 (A2:6) F300 (27,5º)	1,10	46,74	52,60	9.672,74	205,67	1,19	-	1,00
BOX HBF 71 T4 (A2:6) F300 (30º)	1,50	45,67	50,88	11.398,37	215,16	1,50	-	1,00
BOX HBF 71 T4 (A2:6) F300 (32,5º)	2,20	46	50,90	12.306,76	226,21	1,68	-	1,00
BOX HBF 71 T4 (A2:6) F300 (35º)	2,20	44,46	48,97	13.335,42	233,64	1,95	-	1,00
BOX HBF 71 T4 (A2:6) F300 (37,5º)	2,20	42,67	46,91	14.227,26	231,84	2,14	-	1,00
BOX HBF 71 T4 (A2:6) F300 (40º)	2,20	41,19	45,13	15.285,15	230,04	2,39	-	1,00
BOX HBF 71 T4 (A2:6) F300 (42,5º)	3	39,05	42,69	17.155,94	216,44	2,68	-	1,00
BOX HBF 71 T4 (A2:6) F300 (45º)	3	37,55	41,03	18.177,23	208,44	2,83	-	1,00
BOX HBF 71 T4 (A2:9) F300 (20º)	1,10	47,92	54,17	6.959,54	249,03	1,03	-	1,00
BOX HBF 71 T4 (A2:9) F300 (25º)	1,50	47,74	53,03	9.970,66	246,53	1,46	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 71 T4 (A2:9) F300 (27,5º)	1,50	47,20	52,19	10.667,30	254,53	1,63	-	1,00
BOX HBF 71 T4 (A2:9) F300 (30º)	2,20	47,31	51,76	12.170,84	275,49	1,99	-	1,00
BOX HBF 71 T4 (A2:9) F300 (32,5º)	2,20	45,87	49,91	13.265,77	282,89	2,30	-	1,00
BOX HBF 71 T4 (A2:9) F300 (35º)	3	44,49	48,18	14.298,13	291,03	2,62	-	1,00
BOX HBF 71 T4 (A2:9) F300 (37,5º)	3	42,93	46,30	15.514,85	292,13	2,95	-	1,00
BOX HBF 71 T4 (A2:9) F300 (40º)	3	41,27	44,32	16.626,92	295,73	3,31	-	1,00
BOX HBF 71 T4 (A2:9) F300 (42,5º)	4	39,22	42	17.815,18	291,09	3,66	-	1,00
BOX HBF 71 T4 (A2:9) F300 (45º)	4	38,13	40,79	18.232,53	290,03	3,82	-	1,00
BOX HBF 80 T4 (A2:6) F300 (20º)	1,10	49,57	56,06	8.454,12	198,66	0,94	-	1,00
BOX HBF 80 T4 (A2:6) F300 (25º)	1,50	48,97	54,26	11.934,82	214,96	1,46	-	1,00
BOX HBF 80 T4 (A2:6) F300 (27,5º)	1,50	48,80	53,78	12.962,21	220,84	1,64	-	1,00
BOX HBF 80 T4 (A2:6) F300 (30º)	2,20	49,15	53,49	15.275,48	237,25	2,06	-	1,00
BOX HBF 80 T4 (A2:6) F300 (32,5º)	2,20	47,55	51,46	16.765,90	245,33	2,42	-	1,00
BOX HBF 80 T4 (A2:6) F300 (35º)	3	46,69	50,23	18.299,90	253,55	2,77	-	1,00
BOX HBF 80 T4 (A2:6) F300 (37,5º)	3	44,19	47,36	19.436	259,82	3,17	-	1,00
BOX HBF 80 T4 (A2:6) F300 (40º)	4	42,18	45,03	20.718,82	263,42	3,57	-	1,00
BOX HBF 80 T4 (A2:6) F300 (42,5º)	4	38,86	41,23	23.022,12	253,88	4,24	-	1,00
BOX HBF 80 T4 (A2:6) F300 (45º)	5,50	37,46	39,65	24.062,56	249,97	4,53	-	1,00
BOX HBF 80 T4 (A2:9) F300 (20º)	1,50	48,78	54,13	9.273,97	270,01	1,43	-	1,00
BOX HBF 80 T4 (A2:9) F300 (25º)	2,20	49,65	53,94	13.315,10	275,76	2,10	-	1,00
BOX HBF 80 T4 (A2:9) F300 (27,5º)	2,20	48,91	52,91	14.349,42	280,76	2,34	-	1,00
BOX HBF 80 T4 (A2:9) F300 (30º)	3	48,09	51,49	16.695,12	296,14	2,91	-	1,00
BOX HBF 80 T4 (A2:9) F300 (32,5º)	4	46,01	48,94	18.356,63	307,65	3,46	-	1,00
BOX HBF 80 T4 (A2:9) F300 (35º)	4	43,06	45,49	20.077,63	317,25	4,16	-	1,00
BOX HBF 80 T4 (A2:9) F300 (37,5º)	5,50	42,36	44,51	21.303,31	329,05	4,60	-	1,00
BOX HBF 80 T4 (A2:9) F300 (40º)	5,50	41,37	43,22	22.667,70	336,83	5,11	-	1,00
BOX HBF 80 T4 (A2:9) F300 (42,5º)	5,50	38,70	40,21	24.516,58	333,51	5,81	-	1,00
BOX HBF 80 T4 (A2:9) F300 (45º)	7,50	37,97	39,36	25.343,86	330,99	6,05	-	1,00
BOX HBF 90 T4 (A6:3) F300 (20º)	3	49,48	53,37	16.693,58	259,71	2,44	-	1,00
BOX HBF 90 T4 (A6:3) F300 (22º)	3	49,48	52,93	18.235,35	278,87	2,86	-	1,00
BOX HBF 90 T4 (A6:3) F300 (24º)	3	48,91	51,94	19.576,34	299,50	3,33	-	1,00
BOX HBF 90 T4 (A6:3) F300 (26º)	4	48,42	51,10	20.713,84	319,81	3,79	-	1,00
BOX HBF 90 T4 (A6:3) F300 (28º)	4	47,15	49,45	22.000,29	336,53	4,35	-	1,00
BOX HBF 90 T4 (A6:3) F300 (30º)	5,50	45,25	47,25	23.510,27	338,41	4,86	-	1,00
BOX HBF 90 T4 (A6:3) F300 (32º)	5,50	42,62	44,31	25.227,35	334,13	5,45	-	1,00
BOX HBF 90 T4 (A6:3) F300 (34º)	7,50	40,65	42,06	27.055,27	328,88	6,03	-	1,00
BOX HBF 90 T4 (A6:3) F300 (36º)	7,50	37,75	38,83	28.689,54	325,77	6,81	-	1,00
BOX HBF 90 T4 (A6:6) F300 (20º)	4	51,65	54,11	19.702,53	382,88	4,11	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 90 T4 (A6:6) F300 (22º)	5,50	51,79	53,83	21.611,94	408,68	4,79	-	1,00
BOX HBF 90 T4 (A6:6) F300 (24º)	5,50	51,19	52,81	23.371,10	434,30	5,57	-	1,00
BOX HBF 90 T4 (A6:6) F300 (26º)	7,50	50,40	51,66	24.816,51	459,33	6,36	-	1,00
BOX HBF 90 T4 (A6:6) F300 (28º)	7,50	48,83	49,71	26.205,95	486,59	7,33	-	1,00
BOX HBF 90 T4 (A6:6) F300 (30º)	11	47,44	48	27.630,18	503,61	8,21	-	1,00
BOX HBF 90 T4 (A6:6) F300 (32º)	11	45,66	45,91	28.935,47	520,97	9,19	-	1,00
BOX HBF 90 T4 (A6:6) F300 (34º)	11	43,91	43,97	30.419,34	532,42	10,22	-	1,00
BOX HBF 90 T4 (A6:6) F300 (36º)	11	42,79	42,79	32.385,19	531,23	11,21	-	1,00
BOX HBF 90 T4 (A6:6) F300 (38º)	15	42,48	42,42	34.504,59	529,52	12,11	-	1,00
BOX HBF 90 T4 (A6:6) F300 (40º)	15	40,36	40,23	36.606,89	513,55	13,16	-	1,00
BOX HBF 100 T4 (A6:3) F300 (20º)	5,50	55,32	58,20	22.216,67	314,13	3,52	-	1,00
BOX HBF 100 T4 (A6:3) F300 (22º)	5,50	55,25	57,67	24.256,03	339,92	4,16	-	1,00
BOX HBF 100 T4 (A6:3) F300 (24º)	5,50	54,63	56,63	26.124,20	364,64	4,85	-	1,00
BOX HBF 100 T4 (A6:3) F300 (26º)	5,50	53,13	54,74	27.576,59	388,56	5,61	-	1,00
BOX HBF 100 T4 (A6:3) F300 (28º)	7,50	52,39	53,66	29.163,87	409,97	6,35	-	1,00
BOX HBF 100 T4 (A6:3) F300 (30º)	7,50	49,43	50,36	31.442,64	405,59	7,17	-	1,00
BOX HBF 100 T4 (A6:3) F300 (32º)	7,50	46,20	46,80	34.007,64	397,20	8,10	-	1,00
BOX HBF 100 T4 (A6:3) F300 (34º)	11	43,36	43,67	36.670,05	386,37	9,01	-	1,00
BOX HBF 100 T4 (A6:3) F300 (36º)	11	40,01	40,09	39.067,57	371,78	10,01	-	1,00
BOX HBF 100 T4 (A6:6) F300 (20º)	5,50	54,64	56,06	25.723,62	451,75	6,02	-	1,00
BOX HBF 100 T4 (A6:6) F300 (22º)	7,50	55,32	56,28	28.620,96	481,22	7,08	-	1,00
BOX HBF 100 T4 (A6:6) F300 (24º)	11	55,49	56,06	31.222,01	513,18	8,18	-	1,00
BOX HBF 100 T4 (A6:6) F300 (26º)	11	54,80	55,02	33.373,14	542,88	9,30	-	1,00
BOX HBF 100 T4 (A6:6) F300 (28º)	11	53,50	53,54	35.685,21	570,34	10,63	-	1,00
BOX HBF 100 T4 (A6:6) F300 (30º)	15	52,08	52,04	38.456,85	576,34	11,84	-	1,00
BOX HBF 100 T4 (A6:6) F300 (32º)	15	50,01	49,87	41.349,50	579,92	13,28	-	1,00
BOX HBF 100 T4 (A6:6) F300 (34º)	15	47,85	47,62	44.169,32	585,55	14,89	-	1,00
BOX HBF 100 T4 (A6:6) F300 (36º)	18,50	45,75	45,44	46.539,65	591,98	16,49	-	1,00
BOX HBF 100 T4 (A6:6) F300 (38º)	18,50	43,32	42,93	49.119	594,08	18,39	-	1,00
BOX HBF 100 T4 (A6:6) F300 (40º)	22	42,33	41,87	51.973,76	578,70	20	-	1,00
BOX HBF 100 T4 (A6:6) F300 (42º)	22	39,68	39,16	54.834,87	557,75	21,65	-	1,00
BOX HBF 112 T4 (A6:3) F300 (20º)	5,50	52,27	54,33	25.914,05	344,47	4,75	-	1,00
BOX HBF 112 T4 (A6:3) F300 (22º)	5,50	53,96	55,54	29.453,90	372,35	5,65	-	1,00
BOX HBF 112 T4 (A6:3) F300 (24º)	7,50	54,98	56,15	32.837,66	396,79	6,59	-	1,00
BOX HBF 112 T4 (A6:3) F300 (26º)	7,50	53,02	53,73	35.883,26	414,46	7,79	-	1,00
BOX HBF 112 T4 (A6:3) F300 (28º)	11	51,86	52,16	39.068,57	430,75	9,01	-	1,00
BOX HBF 112 T4 (A6:3) F300 (30º)	11	49,46	49,53	41.709,62	436,01	10,20	-	1,00
BOX HBF 112 T4 (A6:3) F300 (32º)	11	46,85	46,82	44.574,55	438,44	11,54	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 112 T4 (A6:3) F300 (34º)	15	44,43	44,31	47.332,57	438,02	12,87	-	1,00
BOX HBF 112 T4 (A6:3) F300 (36º)	15	41,13	40,92	49.777,37	432,80	14,45	-	1,00
BOX HBF 112 T4 (A6:6) F300 (20º)	11	53,02	53,53	30.140,08	525,22	8,36	-	1,00
BOX HBF 112 T4 (A6:6) F300 (22º)	11	54,31	54,36	34.291,63	554,83	9,86	-	1,00
BOX HBF 112 T4 (A6:6) F300 (24º)	11	54,48	54,45	38.361,11	582,31	11,58	-	1,00
BOX HBF 112 T4 (A6:6) F300 (26º)	15	55,01	54,88	42.673,82	597,64	13,09	-	1,00
BOX HBF 112 T4 (A6:6) F300 (28º)	15	55,04	54,82	46.962,19	616,02	14,87	-	1,00
BOX HBF 112 T4 (A6:6) F300 (30º)	18,50	54,11	53,79	50.340,37	643,69	16,77	-	1,00
BOX HBF 112 T4 (A6:6) F300 (32º)	18,50	52,85	52,44	53.652,80	671,44	18,89	-	1,00
BOX HBF 112 T4 (A6:6) F300 (34º)	22	51,29	50,80	57.011,21	690,48	21,10	-	1,00
BOX HBF 112 T4 (A6:6) F300 (36º)	22	49	48,42	60.046	699,60	23,44	-	1,00
BOX HBF 112 T4 (A6:6) F300 (38º)	30	46,88	46,22	63.115,57	707,05	25,91	-	1,00
BOX HBF 112 T4 (A6:6) F300 (40º)	30	46,08	45,34	67.310,70	692,60	28,57	-	1,00
BOX HBF 112 T4 (A6:6) F300 (42º)	30	43,56	42,75	71.678,17	677,08	31,50	-	1,00
BOX HBF 125 T4 (A6:3) F300 (20º)	7,50	53,51	54,92	33.064,11	350,12	6,02	-	1,00
BOX HBF 125 T4 (A6:3) F300 (22º)	7,50	55,38	56,27	37.360,18	388,48	7,28	-	1,00
BOX HBF 125 T4 (A6:3) F300 (24º)	11	55,42	55,85	41.982,05	409,66	8,63	-	1,00
BOX HBF 125 T4 (A6:3) F300 (26º)	11	53,51	53,57	47.172,58	418,94	10,27	-	1,00
BOX HBF 125 T4 (A6:3) F300 (28º)	15	52,29	52,23	52.217,22	431,02	11,97	-	1,00
BOX HBF 125 T4 (A6:3) F300 (30º)	15	50,17	50	57.067,32	439,65	13,88	-	1,00
BOX HBF 125 T4 (A6:3) F300 (32º)	15	47,87	47,58	62.035,01	448,30	16,07	-	1,00
BOX HBF 125 T4 (A6:3) F300 (34º)	18,50	45,12	44,73	65.624,26	451,84	18,17	-	1,00
BOX HBF 125 T4 (A6:3) F300 (36º)	22	41,81	41,34	68.040,34	454,67	20,47	-	1,00
BOX HBF 125 T4 (A6:6) F300 (20º)	11	53,06	53,04	39.763,23	540,13	11,34	-	1,00
BOX HBF 125 T4 (A6:6) F300 (22º)	15	53,45	53,30	45.476,02	566,28	13,51	-	1,00
BOX HBF 125 T4 (A6:6) F300 (24º)	15	53,37	53,08	51.244,49	595,14	16,04	-	1,00
BOX HBF 125 T4 (A6:6) F300 (26º)	18,50	53,21	52,80	56.987,84	625,07	18,78	-	1,00
BOX HBF 125 T4 (A6:6) F300 (28º)	22	52,70	52,17	62.464,06	656,87	21,82	-	1,00
BOX HBF 125 T4 (A6:6) F300 (30º)	30	52,16	51,54	67.880,08	680,67	24,71	-	1,00
BOX HBF 125 T4 (A6:6) F300 (32º)	30	51,12	50,40	72.600,72	716,17	28,02	-	1,00
BOX HBF 125 T4 (A6:6) F300 (34º)	30	49,59	48,79	77.604,82	729,46	31,31	-	1,00
BOX HBF 125 T4 (A6:6) F300 (36º)	37	47,56	46,67	81.790,18	740,61	34,63	-	1,00
BOX HBF 125 T4 (A6:6) F300 (38º)	37	45,24	44,27	86.114,40	744,66	38,38	-	1,00
BOX HBF 125 T4 (A6:6) F300 (40º)	45	44,39	43,36	92.734,64	714,48	42,10	-	1,00
BOX HBF 125 T4 (A6:6) F300 (42º)	45	40,94	39,83	99.372,57	680,03	46,31	-	1,00

ERP / 6 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 63 T6 (A2:6) F300 (20º)	0,55	28,13	38,69	3.400,85	63,35	0,21	-	1,00
BOX HBF 63 T6 (A2:6) F300 (25º)	0,55	32,42	42,32	4.391,59	71,92	0,27	-	1,00
BOX HBF 63 T6 (A2:6) F300 (27,5º)	0,55	33,24	42,95	4.670,33	74,15	0,29	-	1,00
BOX HBF 63 T6 (A2:6) F300 (30º)	0,55	34,65	43,94	5.305,17	79,80	0,34	-	1,00
BOX HBF 63 T6 (A2:6) F300 (32,5º)	0,55	34,57	43,55	5.731,22	82,63	0,38	-	1,00
BOX HBF 63 T6 (A2:6) F300 (35º)	0,55	34,21	42,88	6.177,49	85,20	0,43	-	1,00
BOX HBF 63 T6 (A2:6) F300 (37,5º)	0,55	33,50	41,91	6.603,71	86,12	0,47	-	1,00
BOX HBF 63 T6 (A2:6) F300 (40º)	0,55	32,59	40,72	7.044,32	86,92	0,52	-	1,00
BOX HBF 63 T6 (A2:6) F300 (42,5º)	0,55	32,45	40,40	7.929,53	80,66	0,55	-	1,00
BOX HBF 63 T6 (A2:6) F300 (45º)	0,55	31,96	39,83	8.317,83	78,25	0,57	-	1,00
BOX HBF 63 T6 (A2:9) F300 (20º)	0,55	32,31	42,12	3.740,52	85,77	0,28	-	1,00
BOX HBF 63 T6 (A2:9) F300 (25º)	0,55	35,78	44,95	4.865,84	92,40	0,35	-	1,00
BOX HBF 63 T6 (A2:9) F300 (27,5º)	0,55	36,35	45,30	5.181,30	95,75	0,38	-	1,00
BOX HBF 63 T6 (A2:9) F300 (30º)	0,55	36,93	45,38	5.930,76	102,27	0,46	-	1,00
BOX HBF 63 T6 (A2:9) F300 (32,5º)	0,55	36,33	44,43	6.393,35	106,42	0,52	-	1,00
BOX HBF 63 T6 (A2:9) F300 (35º)	0,55	35,53	43,29	6.879,46	109,98	0,59	-	1,00
BOX HBF 63 T6 (A2:9) F300 (37,5º)	0,55	34,75	42,28	7.283,29	111,45	0,65	-	1,00
BOX HBF 63 T6 (A2:9) F300 (40º)	0,55	34,56	41,84	7.804,19	111,33	0,71	-	1,00
BOX HBF 63 T6 (A2:9) F300 (42,5º)	0,75	34,55	41,63	8.615,40	108,10	0,76	-	1,00
BOX HBF 63 T6 (A2:9) F300 (45º)	0,75	33,63	40,56	9.135,64	105,27	0,80	-	1,00
BOX HBF 71 T6 (A2:6) F300 (20º)	0,55	33,89	43,86	4.365,94	73,88	0,27	-	1,00
BOX HBF 71 T6 (A2:6) F300 (25º)	0,55	38,09	47,23	5.862,77	83,51	0,36	-	1,00
BOX HBF 71 T6 (A2:6) F300 (27,5º)	0,55	38,64	47,55	6.298,99	85,80	0,39	-	1,00
BOX HBF 71 T6 (A2:6) F300 (30º)	0,55	39,08	47,43	7.387,26	90,37	0,48	-	1,00
BOX HBF 71 T6 (A2:6) F300 (32,5º)	0,55	38,66	46,67	7.913,31	95,25	0,54	-	1,00
BOX HBF 71 T6 (A2:6) F300 (35º)	0,55	38,07	45,73	8.577,07	98,51	0,62	-	1,00
BOX HBF 71 T6 (A2:6) F300 (37,5º)	0,55	37,06	44,49	9.267,79	96,89	0,67	-	1,00
BOX HBF 71 T6 (A2:6) F300 (40º)	0,75	36,75	43,96	9.955,11	95,81	0,72	-	1,00
BOX HBF 71 T6 (A2:6) F300 (42,5º)	0,75	34,96	41,86	11.107,13	90,75	0,81	-	1,00
BOX HBF 71 T6 (A2:6) F300 (45º)	0,75	33,83	40,59	11.700,58	88,29	0,86	-	1,00
BOX HBF 71 T6 (A2:9) F300 (20º)	0,55	37,57	46,78	4.609,45	101,98	0,35	-	1,00
BOX HBF 71 T6 (A2:9) F300 (25º)	0,55	40,60	49,02	6.464,40	103,53	0,47	-	1,00
BOX HBF 71 T6 (A2:9) F300 (27,5º)	0,55	40,73	48,89	6.902,24	106,92	0,51	-	1,00
BOX HBF 71 T6 (A2:9) F300 (30º)	0,55	40,59	48,19	7.857,81	115,78	0,63	-	1,00
BOX HBF 71 T6 (A2:9) F300 (32,5º)	0,75	40,90	48,21	8.597,74	118,42	0,70	-	1,00
BOX HBF 71 T6 (A2:9) F300 (35º)	0,75	39,77	46,72	9.248,08	121,99	0,80	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 71 T6 (A2:9) F300 (37,5º)	0,75	38,45	45,08	10.074,12	122,31	0,90	-	1,00
BOX HBF 71 T6 (A2:9) F300 (40º)	1,10	38,11	44,50	10.814,29	123,74	0,98	-	1,00
BOX HBF 71 T6 (A2:9) F300 (42,5º)	1,10	36,34	42,44	11.702,63	120,99	1,09	-	1,00
BOX HBF 71 T6 (A2:9) F300 (45º)	1,10	35,69	41,66	12.134,12	119,98	1,14	-	1,00
BOX HBF 80 T6 (A2:6) F300 (20º)	0,75	40,56	50,07	5.479,43	83,20	0,31	-	1,00
BOX HBF 80 T6 (A2:6) F300 (25º)	0,75	42,98	51,48	7.768,17	89,77	0,45	-	1,00
BOX HBF 80 T6 (A2:6) F300 (27,5º)	0,75	43,50	51,73	8.433,41	92,33	0,50	-	1,00
BOX HBF 80 T6 (A2:6) F300 (30º)	0,75	43,48	51,05	9.956,46	99,18	0,64	-	1,00
BOX HBF 80 T6 (A2:6) F300 (32,5º)	0,75	42,81	49,99	10.908,68	102,83	0,73	-	1,00
BOX HBF 80 T6 (A2:6) F300 (35º)	0,75	41,81	48,61	11.922,28	105,88	0,84	-	1,00
BOX HBF 80 T6 (A2:6) F300 (37,5º)	1,10	40,61	47,12	12.610,76	108,67	0,94	-	1,00
BOX HBF 80 T6 (A2:6) F300 (40º)	1,10	38,49	44,65	13.432,30	110,26	1,06	-	1,00
BOX HBF 80 T6 (A2:6) F300 (42,5º)	1,10	35,41	41,11	14.788,69	106,85	1,26	-	1,00
BOX HBF 80 T6 (A2:6) F300 (45º)	1,50	34,72	40,27	15.600,46	104,75	1,33	-	1,00
BOX HBF 80 T6 (A2:9) F300 (20º)	0,75	42,82	51,38	5.956,95	114,47	0,44	-	1,00
BOX HBF 80 T6 (A2:9) F300 (25º)	0,75	43,88	51,41	8.561,90	117,05	0,65	-	1,00
BOX HBF 80 T6 (A2:9) F300 (27,5º)	0,75	43,76	51,03	9.237,42	118,98	0,71	-	1,00
BOX HBF 80 T6 (A2:9) F300 (30º)	0,75	43,13	49,80	10.827,44	124,35	0,88	-	1,00
BOX HBF 80 T6 (A2:9) F300 (32,5º)	1,10	42,07	48,32	11.913,68	129,08	1,03	-	1,00
BOX HBF 80 T6 (A2:9) F300 (35º)	1,10	39,42	45,18	13.000,06	133,55	1,24	-	1,00
BOX HBF 80 T6 (A2:9) F300 (37,5º)	1,50	39,29	44,80	13.828,85	137,97	1,35	-	1,00
BOX HBF 80 T6 (A2:9) F300 (40º)	1,50	38,31	43,52	14.652,07	141,76	1,50	-	1,00
BOX HBF 80 T6 (A2:9) F300 (42,5º)	1,50	36,50	41,34	16.175,03	137,90	1,72	-	1,00
BOX HBF 80 T6 (A2:9) F300 (45º)	2,20	36,41	41,16	16.943,99	136,09	1,78	-	1,00
BOX HBF 90 T6 (A6:3) F300 (20º)	1,50	44,39	51,55	10.796,34	109,38	0,74	-	1,00
BOX HBF 90 T6 (A6:3) F300 (22º)	1,50	45,17	51,94	11.780,33	117,53	0,85	-	1,00
BOX HBF 90 T6 (A6:3) F300 (24º)	1,50	45,39	51,78	12.718,52	125,57	0,98	-	1,00
BOX HBF 90 T6 (A6:3) F300 (26º)	1,50	44,80	50,84	13.481,34	133,50	1,11	-	1,00
BOX HBF 90 T6 (A6:3) F300 (28º)	1,50	44,04	49,72	14.268,92	141,08	1,27	-	1,00
BOX HBF 90 T6 (A6:3) F300 (30º)	1,50	41,81	47,17	15.188,29	142,14	1,43	-	1,00
BOX HBF 90 T6 (A6:3) F300 (32º)	1,50	39,43	44,46	16.348,41	140,55	1,61	-	1,00
BOX HBF 90 T6 (A6:3) F300 (34º)	2,20	37,76	42,54	17.582,02	137,47	1,76	-	1,00
BOX HBF 90 T6 (A6:3) F300 (36º)	2,20	35,27	39,72	18.590,96	136,91	1,98	-	1,00
BOX HBF 90 T6 (A6:6) F300 (20º)	1,50	48,09	53,92	12.813,24	160,06	1,20	-	1,00
BOX HBF 90 T6 (A6:6) F300 (22º)	1,50	47,97	53,36	14.023,38	171,12	1,41	-	1,00
BOX HBF 90 T6 (A6:6) F300 (24º)	1,50	47,40	52,38	15.125,21	183,32	1,64	-	1,00
BOX HBF 90 T6 (A6:6) F300 (26º)	2,20	46,82	51,46	16.004,94	193,83	1,86	-	1,00
BOX HBF 90 T6 (A6:6) F300 (28º)	2,20	45,61	49,87	17.018,93	202,93	2,13	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 90 T6 (A6:6) F300 (30º)	2,20	43,94	47,86	17.906,13	211,20	2,41	-	1,00
BOX HBF 90 T6 (A6:6) F300 (32º)	3	42,83	46,48	18.702,41	219,42	2,67	-	1,00
BOX HBF 90 T6 (A6:6) F300 (34º)	3	41,10	44,46	19.606,63	224,30	2,96	-	1,00
BOX HBF 90 T6 (A6:6) F300 (36º)	3	40,17	43,27	20.889,99	224,12	3,25	-	1,00
BOX HBF 90 T6 (A6:6) F300 (38º)	4	40,03	42,93	22.384,19	221,62	3,50	-	1,00
BOX HBF 90 T6 (A6:6) F300 (40º)	4	37,89	40,56	23.536,61	217,15	3,81	-	1,00
BOX HBF 100 T6 (A6:3) F300 (20º)	3	49,21	55,35	14.376,50	131,98	1,07	-	1,00
BOX HBF 100 T6 (A6:3) F300 (22º)	3	50,30	56,02	15.679,51	143,52	1,25	-	1,00
BOX HBF 100 T6 (A6:3) F300 (24º)	3	50,47	55,82	16.907,27	153,55	1,43	-	1,00
BOX HBF 100 T6 (A6:3) F300 (26º)	3	49,65	54,64	17.847,28	163	1,63	-	1,00
BOX HBF 100 T6 (A6:3) F300 (28º)	3	48,97	53,62	18.884,58	172,48	1,85	-	1,00
BOX HBF 100 T6 (A6:3) F300 (30º)	3	46,63	50,97	20.321,50	171,04	2,07	-	1,00
BOX HBF 100 T6 (A6:3) F300 (32º)	3	43,77	47,78	22.010,48	166,98	2,33	-	1,00
BOX HBF 100 T6 (A6:3) F300 (34º)	3	40,76	44,46	23.705,48	162,82	2,61	-	1,00
BOX HBF 100 T6 (A6:3) F300 (36º)	3	37,52	40,93	25.238,70	156,35	2,90	-	1,00
BOX HBF 100 T6 (A6:6) F300 (20º)	3	51,50	56,32	16.636,92	190,80	1,74	-	1,00
BOX HBF 100 T6 (A6:6) F300 (22º)	3	51,83	56,19	18.491,98	202,99	2,05	-	1,00
BOX HBF 100 T6 (A6:6) F300 (24º)	3	51,86	55,82	20.134,02	216,67	2,38	-	1,00
BOX HBF 100 T6 (A6:6) F300 (26º)	3	51,38	54,99	21.638,62	227,79	2,70	-	1,00
BOX HBF 100 T6 (A6:6) F300 (28º)	3	50,23	53,48	23.132,92	239,24	3,08	-	1,00
BOX HBF 100 T6 (A6:6) F300 (30º)	4	49,04	52	24.940,22	242,16	3,42	-	1,00
BOX HBF 100 T6 (A6:6) F300 (32º)	4	47,16	49,81	26.802,86	243,84	3,84	-	1,00
BOX HBF 100 T6 (A6:6) F300 (34º)	4	45,07	47,40	28.574,22	246,52	4,31	-	1,00
BOX HBF 100 T6 (A6:6) F300 (36º)	5,50	43,24	45,31	30.139	248,45	4,74	-	1,00
BOX HBF 100 T6 (A6:6) F300 (38º)	5,50	41,03	42,80	31.800,32	249,72	5,27	-	1,00
BOX HBF 100 T6 (A6:6) F300 (40º)	5,50	40,05	41,60	33.593,91	243,28	5,74	-	1,00
BOX HBF 100 T6 (A6:6) F300 (42º)	7,50	38,26	39,63	35.563,73	234	6,11	-	1,00
BOX HBF 112 T6 (A6:3) F300 (20º)	3	48,23	53,63	16.711,37	145,37	1,40	-	1,00
BOX HBF 112 T6 (A6:3) F300 (22º)	3	50,56	55,53	19.119,12	156,08	1,64	-	1,00
BOX HBF 112 T6 (A6:3) F300 (24º)	3	51,48	56,03	21.156,68	167,54	1,91	-	1,00
BOX HBF 112 T6 (A6:3) F300 (26º)	3	50,25	54,38	23.136,56	174,97	2,24	-	1,00
BOX HBF 112 T6 (A6:3) F300 (28º)	3	48,78	52,48	25.217,40	181,74	2,61	-	1,00
BOX HBF 112 T6 (A6:3) F300 (30º)	3	46,39	49,75	27.041,71	182,70	2,96	-	1,00
BOX HBF 112 T6 (A6:3) F300 (32º)	3	43,89	46,92	28.882,37	183,63	3,34	-	1,00
BOX HBF 112 T6 (A6:3) F300 (34º)	4	41,87	44,61	30.645,37	184,02	3,71	-	1,00
BOX HBF 112 T6 (A6:3) F300 (36º)	4	38,70	41,11	32.235,22	181,62	4,17	-	1,00
BOX HBF 112 T6 (A6:3) F300 (38º)	5,50	36,22	38,36	33.932,57	179,13	4,63	-	1,00
BOX HBF 112 T6 (A6:6) F300 (20º)	3	49,72	53,63	19.630,48	218,68	2,42	-	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 112 T6 (A6:6) F300 (22º)	3	50,98	54,43	22.197,41	233,51	2,86	-	1,00
BOX HBF 112 T6 (A6:6) F300 (24º)	3	51,11	54,13	24.774,24	245,46	3,35	-	1,00
BOX HBF 112 T6 (A6:6) F300 (26º)	4	51,87	54,56	27.718,03	250,41	3,78	-	1,00
BOX HBF 112 T6 (A6:6) F300 (28º)	4	51,65	53,99	30.375,05	258,54	4,30	-	1,00
BOX HBF 112 T6 (A6:6) F300 (30º)	5,50	51,33	53,36	32.668,73	269,88	4,81	-	1,00
BOX HBF 112 T6 (A6:6) F300 (32º)	5,50	50,11	51,81	34.737,45	282,28	5,42	-	1,00
BOX HBF 112 T6 (A6:6) F300 (34º)	5,50	48,66	50,06	36.948,09	289,67	6,05	-	1,00
BOX HBF 112 T6 (A6:6) F300 (36º)	7,50	47,26	48,41	38.922,36	293,49	6,61	-	1,00
BOX HBF 112 T6 (A6:6) F300 (38º)	7,50	44,95	45,82	40.897,04	296,53	7,35	-	1,00
BOX HBF 112 T6 (A6:6) F300 (40º)	7,50	44,03	44,62	43.650,65	290,28	8,12	-	1,00
BOX HBF 112 T6 (A6:6) F300 (42º)	11	42,04	42,38	46.407,37	284,72	8,89	-	1,00
BOX HBF 125 T6 (A6:3) F300 (20º)	3	49,55	54,33	21.528,61	145,83	1,76	-	1,00
BOX HBF 125 T6 (A6:3) F300 (22º)	3	52,17	56,47	24.177,10	163,21	2,10	-	1,00
BOX HBF 125 T6 (A6:3) F300 (24º)	3	51,97	55,80	27.191,85	171,85	2,50	-	1,00
BOX HBF 125 T6 (A6:3) F300 (26º)	3	50,18	53,52	30.613,41	175,32	2,98	-	1,00
BOX HBF 125 T6 (A6:3) F300 (28º)	4	49,28	52,21	33.833,95	180,86	3,45	-	1,00
BOX HBF 125 T6 (A6:3) F300 (30º)	4	47,28	49,81	36.919,17	184,80	4	-	1,00
BOX HBF 125 T6 (A6:3) F300 (32º)	5,50	45,48	47,63	40.118,26	188,47	4,60	-	1,00
BOX HBF 125 T6 (A6:3) F300 (34º)	5,50	42,83	44,64	42.469,98	190,16	5,21	-	1,00
BOX HBF 125 T6 (A6:3) F300 (36º)	5,50	39,61	41,09	43.905,04	191,85	5,88	-	1,00
BOX HBF 125 T6 (A6:6) F300 (20º)	3	49,76	52,83	25.661,61	228,22	3,29	-	1,00
BOX HBF 125 T6 (A6:6) F300 (22º)	4	50,39	52,99	29.458,92	237,91	3,90	-	1,00
BOX HBF 125 T6 (A6:6) F300 (24º)	5,50	50,75	52,91	33.183,09	250,06	4,58	-	1,00
BOX HBF 125 T6 (A6:6) F300 (26º)	5,50	50,46	52,18	36.827,21	263,29	5,39	-	1,00
BOX HBF 125 T6 (A6:6) F300 (28º)	7,50	50,73	52,09	40.469,74	275,05	6,15	-	1,00
BOX HBF 125 T6 (A6:6) F300 (30º)	7,50	49,85	50,85	43.756,24	287,23	7,01	-	1,00
BOX HBF 125 T6 (A6:6) F300 (32º)	7,50	48,97	49,61	47.046,21	300,55	7,96	-	1,00
BOX HBF 125 T6 (A6:6) F300 (34º)	11	47,62	47,98	50.128,27	306,86	8,84	-	1,00
BOX HBF 125 T6 (A6:6) F300 (36º)	11	45,67	45,75	53.051,35	309,96	9,80	-	1,00
BOX HBF 125 T6 (A6:6) F300 (38º)	11	43,65	43,68	56.052,46	311,65	10,84	-	1,00
BOX HBF 125 T6 (A6:6) F300 (40º)	11	42,38	42,33	60.368,50	297,37	11,93	-	1,00
BOX HBF 125 T6 (A6:6) F300 (42º)	15	39,90	39,78	63.857,55	288,95	12,99	-	1,00

ERP / 4/8 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
BOX HBF 80 T4/T8 (A2:9) F300 (20º)	1,60	63,06	69,11	9.272,56	270,06	1,11	4p	1,00
BOX HBF 80 T4/T8 (A2:9) F300 (30º)	2,80	116,81	122,67	16.695,36	296,14	1,19	4p	1,00
BOX HBF 80 T4/T8 (A2:9) F300 (32,5º)	3,80	92,90	97,78	18.356,63	307,65	1,70	4p	1,00
BOX HBF 80 T4/T8 (A2:9) F300 (35º)	3,80	94,30	98,89	20.077,74	317,25	1,89	4p	1,00
BOX HBF 90 T4/T8 (A6:6) F300 (20º)	3,80	112,03	116,64	19.702,53	382,88	1,88	4p	1,00