

BOX HBA



AXIAL IN SOUNDPROOF CABINET

MANUFACTURING FEATURES:

- BOX: Soundproof galvanised steel box with thermo-acoustic insulation, Bs1d0 fire class. Easy motor access and fan maintenance through removable panels.
- Inside fan: HBA : Axial fan, circular reinforced frame from size 45 to 80. For larger sizes uses from 90 to 125 we use model HCA .
- Motor-impeller assembly through a modular system. Variable pitch angle cast aluminium impeller. Polyester powder finishing coat.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers 1 speed and 400V for 2 speed motors.

APPLICATIONS

Designed for wall or duct installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction
- Maximum working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor).
- 100% reversible impeller.
- Special voltages.
- Fan to move air up to 100°C.

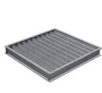
Accessories



AVR



AVS



CMP-H
UT



INT



JE 45



SFC



VISB

Technical data

Single-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 HBA 45 M4 (A0:6)	35° - 40°	0,25	0,25	6.360	44	44,23	1
	BOX HBA 45 M4 (A5:6)	25° - 45°	0,25	0,55	6.760	48	46,47	1
	BOX HBA 50 M4 (A0:6)	35° - 40°	0,37	0,37	8.140	45	48,28	1
	BOX HBA 50 M4 (A5:6)	25° - 45°	0,25	0,75	9.420	51	50,69	1
	BOX HBA 56 M4 (A2:6)	20° - 45°	0,37	0,75	13.910	53	62,42	1
	BOX HBA 56 M4 (A2:9)	20° - 45°	0,37	0,75	14.710	54	63,47	1
	BOX HBA 56 M4 (A5:6)	20° - 45°	0,37	0,75	14.640	67	63	1
	BOX HBA 63 M4 (A2:6)	20° - 30°	0,55	0,75	13.810	54	64,37	1
	BOX HBA 63 M4 (A2:9)	20° - 27,5°	0,55	0,75	12.510	56	65,54	1
	BOX HBA 63 M4 (A5:6)	20° - 25°	0,55	0,75	12.020	60	65,04	1
	BOX HBA 71 M4 (A2:6)	20° - 25°	0,75	0,75	15.510	60	80,65	1
	BOX HBA 71 M4 (A2:9)	20° - 20°	0,75	0,75	12.080	62	81,94	1
	BOX HBA 71 M4 (A5:6)	20° - 20°	0,75	0,75	13.640	63	81,41	1

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 HBA 45 T4 (A0:6)	35° - 40°	0,25	0,25	6.360	44	44,23	2
	BOX HBA 45 T4 (A5:6)	25° - 45°	0,25	0,55	6.760	48	46,47	2
	BOX HBA 50 T4 (A0:6)	35° - 40°	0,37	0,37	8.140	45	48,28	2
	BOX HBA 50 T4 (A5:6)	25° - 45°	0,25	0,75	9.420	51	50,69	2
	BOX HBA 56 T4 (A2:6)	20° - 45°	0,37	2,20	13.910	53	62,42	2
	BOX HBA 56 T4 (A2:9)	20° - 45°	0,37	3,00	14.710	54	63,47	2
	BOX HBA 56 T4 (A5:6)	20° - 45°	0,37	2,20	14.640	67	63	2
	BOX HBA 63 T4 (A2:6)	20° - 45°	0,55	3,00	20.110	55	64,37	2
	BOX HBA 63 T4 (A2:9)	20° - 45°	0,55	3,00	21.810	57	65,54	2
	BOX HBA 63 T4 (A5:6)	20° - 45°	0,55	3,00	20.350	71	65,04	2
	BOX HBA 71 T4 (A2:6)	20° - 45°	0,75	4,00	27.910	60	80,65	2
	BOX HBA 71 T4 (A2:9)	20° - 45°	0,75	4,00	30.310	62	81,94	2
	BOX HBA 71 T4 (A5:6)	20° - 45°	0,75	4,00	27.520	76	81,41	2
	BOX HBA 80 T4 (A2:6)	20° - 45°	1,10	7,50	39.010	60	87	2
	BOX HBA 80 T4 (A2:9)	20° - 45°	1,10	7,50	41.810	68	88,41	2
	BOX HBA 80 T4 (A5:6)	20° - 40°	1,10	4,00	34.470	68	87,84	2

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBA 90 T4 (A6:3)	20° - 42°	3,00	15,00	50.950	69	184,41	2
	BOX HBA 90 T4 (A6:6)	20° - 42°	3,00	15,00	58.310	70	189,81	2
	BOX HBA 100 T4 (A6:3)	20° - 42°	5,50	22,00	69.340	69	201,79	2
	BOX HBA 100 T4 (A6:6)	20° - 42°	5,50	22,00	81.210	73	207,89	2
	BOX HBA 112 T4 (A6:3)	20° - 42°	5,50	37,00	92.050	71	274,34	2
	BOX HBA 112 T4 (A6:6)	20° - 42°	5,50	37,00	109.010	75	281,04	2
	BOX HBA 125 T4 (A7:4)	20° - 42°	7,50	45,00	132.010	80	287,29	2
	BOX HBA 125 T4 (A7:8)	20° - 42°	11,00	45,00	151.010	85	296,39	2

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 HBA 45 T6 (A0:6)	35° - 40°	0,12	0,12	4.120	35	44,23	2
	BOX HBA 45 T6 (A5:6)	25° - 45°	0,18	0,18	4.380	39	46,47	2
	BOX HBA 50 T6 (A0:6)	35° - 40°	0,18	0,18	5.270	36	48,28	2
	BOX HBA 50 T6 (A5:6)	25° - 45°	0,18	0,18	6.100	42	50,69	2
	BOX HBA 56 T6 (A2:6)	20° - 45°	0,18	0,55	9.000	44	62,42	2
	BOX HBA 56 T6 (A2:9)	20° - 45°	0,18	0,55	9.520	45	63,47	2
	BOX HBA 56 T6 (A5:6)	20° - 45°	0,18	0,55	9.760	64	63	2
	BOX HBA 63 T6 (A2:6)	20° - 45°	0,37	0,75	13.010	46	64,37	2
	BOX HBA 63 T6 (A2:9)	20° - 45°	0,37	0,75	14.110	48	65,54	2
	BOX HBA 63 T6 (A5:6)	20° - 45°	0,37	0,75	13.570	68	65,04	2
	BOX HBA 71 T6 (A2:6)	20° - 45°	0,37	1,10	18.110	50	80,65	2
	BOX HBA 71 T6 (A2:9)	20° - 45°	0,37	1,10	19.610	53	81,94	2
	BOX HBA 71 T6 (A5:6)	20° - 45°	0,37	1,10	18.350	73	81,41	2
	BOX HBA 80 T6 (A2:6)	20° - 45°	0,75	2,20	25.310	51	87	2
	BOX HBA 80 T6 (A2:9)	20° - 45°	0,75	2,20	27.110	58	88,41	2
	BOX HBA 80 T6 (A5:6)	20° - 45°	0,75	2,20	25.190	69	87,84	2
	BOX HBA 90 T6 (A6:3)	20° - 42°	1,50	4,00	33.010	59	184,41	2
	BOX HBA 90 T6 (A6:6)	20° - 42°	1,50	4,00	37.810	60	189,81	2
	BOX HBA 100 T6 (A6:3)	20° - 42°	3,00	7,50	44.970	60	201,79	2
	BOX HBA 100 T6 (A6:6)	20° - 42°	3,00	7,50	52.610	64	207,89	2
	BOX HBA 112 T6 (A6:3)	20° - 42°	3,00	11,00	59.660	62	274,34	2
	BOX HBA 112 T6 (A6:6)	20° - 42°	3,00	11,00	70.510	66	281,04	2
	BOX HBA 125 T6 (A7:4)	20° - 42°	3,00	15,00	85.410	70	287,29	2
	BOX HBA 125 T6 (A7:8)	20° - 42°	3,00	15,00	98.110	76	296,39	2

2 speed motor / 4/8 poles

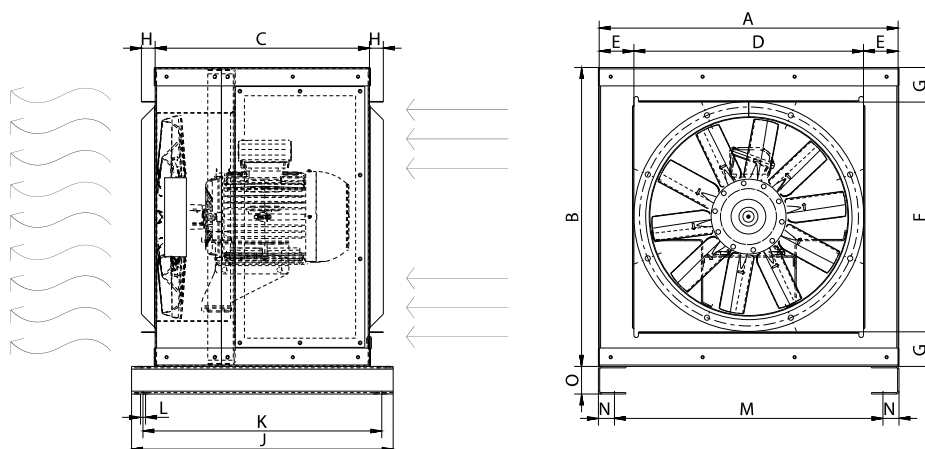
Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	BOX HBA 45 T4/T8 (A0:6)	35° - 40°	0,25	0,25	6.360	44	44,23	3
	BOX HBA 45 T4/T8 (A5:6)	25° - 45°	0,25	0,55	6.760	48	46,47	3
	BOX HBA 50 T4/T8 (A0:6)	35° - 40°	0,33	0,33	8.140	45	48,28	3
	BOX HBA 50 T4/T8 (A5:6)	25° - 45°	0,25	0,75	9.420	51	50,69	3
	BOX HBA 56 T4/T8 (A2:6)	20° - 45°	0,33	2,20	13.910	53	62,42	3
	BOX HBA 56 T4/T8 (A2:9)	20° - 45°	0,33	3,00	14.710	54	63,47	3
	BOX HBA 56 T4/T8 (A5:6)	20° - 45°	0,33	2,20	14.640	67	63	3
	BOX HBA 63 T4/T8 (A2:6)	20° - 45°	0,55	3,00	20.110	55	64,37	3
	BOX HBA 63 T4/T8 (A2:9)	20° - 45°	0,55	3,00	21.810	57	65,54	3
	BOX HBA 63 T4/T8 (A5:6)	20° - 45°	0,55	3,00	20.350	71	65,04	3
	BOX HBA 71 T4/T8 (A2:6)	20° - 45°	0,75	4,00	27.910	60	80,65	3
	BOX HBA 71 T4/T8 (A2:9)	20° - 45°	0,75	4,00	30.310	62	81,94	3
	BOX HBA 71 T4/T8 (A5:6)	20° - 45°	0,75	4,00	27.520	76	81,41	3
	BOX HBA 80 T4/T8 (A2:6)	20° - 45°	1,10	7,50	39.010	60	87	3
	BOX HBA 80 T4/T8 (A2:9)	20° - 45°	1,10	7,50	41.810	68	88,41	3
	BOX HBA 80 T4/T8 (A5:6)	20° - 45°	1,10	4,00	37.780	73	87,84	3
	BOX HBA 90 T4/T8 (A6:3)	20° - 42°	3,00	15,00	50.950	69	184,41	3
	BOX HBA 90 T4/T8 (A6:6)	20° - 42°	3,00	15,00	58.310	70	189,81	3
	BOX HBA 100 T4/T8 (A6:3)	20° - 42°	5,50	20,00	69.340	69	201,79	3
	BOX HBA 100 T4/T8 (A6:6)	20° - 42°	5,50	20,00	81.210	73	207,89	3
	BOX HBA 112 T4/T8 (A6:3)	20° - 42°	5,50	37,00	92.050	71	274,34	3
	BOX HBA 112 T4/T8 (A6:6)	20° - 42°	5,50	37,00	109.010	75	281,04	3
	BOX HBA 125 T4/T8 (A7:4)	20° - 42°	7,50	44,00	132.010	80	287,29	3
	BOX HBA 125 T4/T8 (A7:8)	20° - 42°	11,00	44,00	151.010	85	296,39	3

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 HBA 45 M4 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 M4 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 T4 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 T4 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 T6 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 T6 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 T4/T8 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 45 T4/T8 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 M4 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 M4 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 T4 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 T4 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 T6 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 T6 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 T4/T8 (A0:6)	651	651	467	500	75	500	75	30	570
BOX HBA 50 T4/T8 (A5:6)	651	651	467	500	75	500	75	30	570
BOX HBA 56 M4 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 M4 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 M4 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T4 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T4 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T4 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T6 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T6 (A2:9)	781.5	781.5	542	630	76	630	76	30	665

Model	A	B	C	D	E	F	G	H	J
BOX HBA 56 T6 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T4/T8 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T4/T8 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 56 T4/T8 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 M4 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 M4 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 M4 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T4 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T4 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T4 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T6 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T6 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T6 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T4/T8 (A2:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T4/T8 (A2:9)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 63 T4/T8 (A5:6)	781.5	781.5	542	630	76	630	76	30	665
BOX HBA 71 M4 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 M4 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 M4 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T4 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T4 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T4 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T6 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T6 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T6 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T4/T8 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T4/T8 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 71 T4/T8 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T4 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T4 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T4 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T6 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T6 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T6 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T4/T8 (A2:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T4/T8 (A2:9)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 80 T4/T8 (A5:6)	951.5	951.5	597	800	76	800	76	30	705
BOX HBA 90 T4 (A6:3)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 90 T4 (A6:6)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 90 T6 (A6:3)	1176.5	1176.5	857	1000	88	1000	88	30	965

Model	A	B	C	D	E	F	G	H	J
BOX HBA 90 T6 (A6:6)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 90 T4/T8 (A6:3)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 90 T4/T8 (A6:6)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 100 T4 (A6:3)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 100 T4 (A6:6)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 100 T6 (A6:3)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 100 T6 (A6:6)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 100 T4/T8 (A6:3)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 100 T4/T8 (A6:6)	1176.5	1176.5	857	1000	88	1000	88	30	965
BOX HBA 112 T4 (A6:3)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 112 T4 (A6:6)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 112 T6 (A6:3)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 112 T6 (A6:6)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 112 T4/T8 (A6:3)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 112 T4/T8 (A6:6)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 125 T4 (A7:4)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 125 T4 (A7:8)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 125 T6 (A7:4)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 125 T6 (A7:8)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 125 T4/T8 (A7:4)	1416.5	1416.5	1019	1250	83	1250	82	30	1125
BOX HBA 125 T4/T8 (A7:8)	1416.5	1416.5	1019	1250	83	1250	82	30	1125

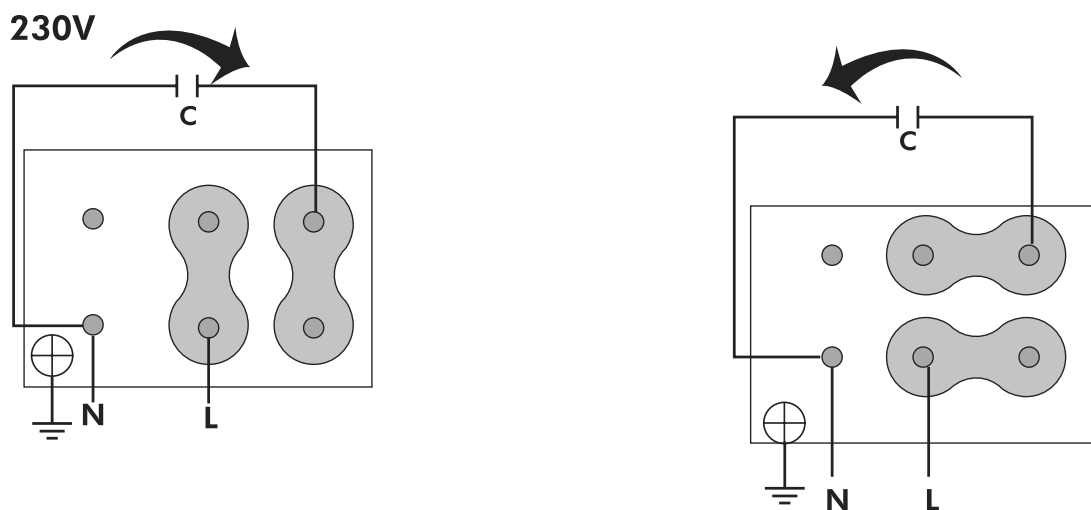
Model	K	L	M	N	O
BOX HBA 45 M4 (A0:6)	520	11	585	35	60
BOX HBA 45 M4 (A5:6)	520	11	585	35	60
BOX HBA 45 T4 (A0:6)	520	11	585	35	60
BOX HBA 45 T4 (A5:6)	520	11	585	35	60
BOX HBA 45 T6 (A0:6)	520	11	585	35	60
BOX HBA 45 T6 (A5:6)	520	11	585	35	60
BOX HBA 45 T4/T8 (A0:6)	520	11	585	35	60
BOX HBA 45 T4/T8 (A5:6)	520	11	585	35	60
BOX HBA 50 M4 (A0:6)	520	11	585	35	60
BOX HBA 50 M4 (A5:6)	520	11	585	35	60
BOX HBA 50 T4 (A0:6)	520	11	585	35	60
BOX HBA 50 T4 (A5:6)	520	11	585	35	60
BOX HBA 50 T6 (A0:6)	520	11	585	35	60
BOX HBA 50 T6 (A5:6)	520	11	585	35	60
BOX HBA 50 T4/T8 (A0:6)	520	11	585	35	60
BOX HBA 50 T4/T8 (A5:6)	520	11	585	35	60
BOX HBA 56 M4 (A2:6)	610	11	715	35	60

Model	K	L	M	N	O
BOX HBA 56 M4 (A2:9)	610	11	715	35	60
BOX HBA 56 M4 (A5:6)	610	11	715	35	60
BOX HBA 56 T4 (A2:6)	610	11	715	35	60
BOX HBA 56 T4 (A2:9)	610	11	715	35	60
BOX HBA 56 T4 (A5:6)	610	11	715	35	60
BOX HBA 56 T6 (A2:6)	610	11	715	35	60
BOX HBA 56 T6 (A2:9)	610	11	715	35	60
BOX HBA 56 T6 (A5:6)	610	11	715	35	60
BOX HBA 56 T4/T8 (A2:6)	610	11	715	35	60
BOX HBA 56 T4/T8 (A2:9)	610	11	715	35	60
BOX HBA 56 T4/T8 (A5:6)	610	11	715	35	60
BOX HBA 63 M4 (A2:6)	610	11	715	35	60
BOX HBA 63 M4 (A2:9)	610	11	715	35	60
BOX HBA 63 M4 (A5:6)	610	11	715	35	60
BOX HBA 63 T4 (A2:6)	610	11	715	35	60
BOX HBA 63 T4 (A2:9)	610	11	715	35	60
BOX HBA 63 T4 (A5:6)	610	11	715	35	60
BOX HBA 63 T6 (A2:6)	610	11	715	35	60
BOX HBA 63 T6 (A2:9)	610	11	715	35	60
BOX HBA 63 T6 (A5:6)	610	11	715	35	60
BOX HBA 63 T4/T8 (A2:6)	610	11	715	35	60
BOX HBA 63 T4/T8 (A2:9)	610	11	715	35	60
BOX HBA 63 T4/T8 (A5:6)	610	11	715	35	60
BOX HBA 71 M4 (A2:6)	650	11	885	35	60
BOX HBA 71 M4 (A2:9)	650	11	885	35	60
BOX HBA 71 M4 (A5:6)	650	11	885	35	60
BOX HBA 71 T4 (A2:6)	650	11	885	35	60
BOX HBA 71 T4 (A2:9)	650	11	885	35	60
BOX HBA 71 T4 (A5:6)	650	11	885	35	60
BOX HBA 71 T6 (A2:6)	650	11	885	35	60
BOX HBA 71 T6 (A2:9)	650	11	885	35	60
BOX HBA 71 T6 (A5:6)	650	11	885	35	60
BOX HBA 71 T4/T8 (A2:6)	650	11	885	35	60
BOX HBA 71 T4/T8 (A2:9)	650	11	885	35	60
BOX HBA 71 T4/T8 (A5:6)	650	11	885	35	60
BOX HBA 80 T4 (A2:6)	650	11	885	35	60
BOX HBA 80 T4 (A2:9)	650	11	885	35	60
BOX HBA 80 T4 (A5:6)	650	11	885	35	60
BOX HBA 80 T6 (A2:6)	650	11	885	35	60
BOX HBA 80 T6 (A2:9)	650	11	885	35	60

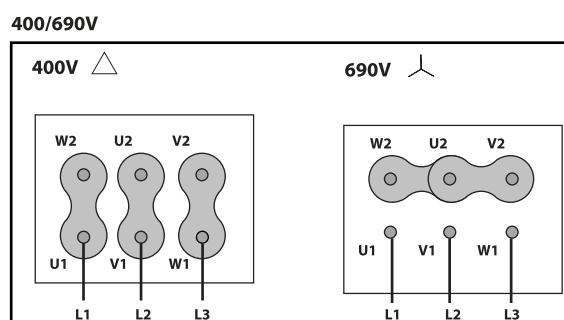
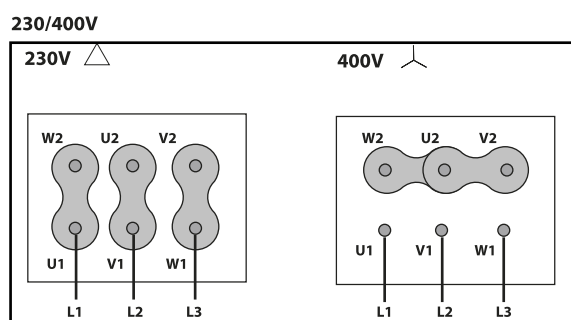
Model	K	L	M	N	O
BOX HBA 80 T6 (A5:6)	650	11	885	35	60
BOX HBA 80 T4/T8 (A2:6)	650	11	885	35	60
BOX HBA 80 T4/T8 (A2:9)	650	11	885	35	60
BOX HBA 80 T4/T8 (A5:6)	650	11	885	35	60
BOX HBA 90 T4 (A6:3)	915	11	1110	35	90
BOX HBA 90 T4 (A6:6)	915	11	1110	35	90
BOX HBA 90 T6 (A6:3)	915	11	1110	35	90
BOX HBA 90 T6 (A6:6)	915	11	1110	35	90
BOX HBA 90 T4/T8 (A6:3)	915	11	1110	35	90
BOX HBA 90 T4/T8 (A6:6)	915	11	1110	35	90
BOX HBA 100 T4 (A6:3)	915	11	1110	35	90
BOX HBA 100 T4 (A6:6)	915	11	1110	35	90
BOX HBA 100 T6 (A6:3)	915	11	1110	35	90
BOX HBA 100 T6 (A6:6)	915	11	1110	35	90
BOX HBA 100 T4/T8 (A6:3)	915	11	1110	35	90
BOX HBA 100 T4/T8 (A6:6)	915	11	1110	35	90
BOX HBA 112 T4 (A6:3)	1075	11	1350	35	90
BOX HBA 112 T4 (A6:6)	1075	11	1350	35	90
BOX HBA 112 T6 (A6:3)	1075	11	1350	35	90
BOX HBA 112 T6 (A6:6)	1075	11	1350	35	90
BOX HBA 112 T4/T8 (A6:3)	1075	11	1350	35	90
BOX HBA 112 T4/T8 (A6:6)	1075	11	1350	35	90
BOX HBA 125 T4 (A7:4)	1075	11	1350	35	90
BOX HBA 125 T4 (A7:8)	1075	11	1350	35	90
BOX HBA 125 T6 (A7:4)	1075	11	1350	35	90
BOX HBA 125 T6 (A7:8)	1075	11	1350	35	90
BOX HBA 125 T4/T8 (A7:4)	1075	11	1350	35	90
BOX HBA 125 T4/T8 (A7:8)	1075	11	1350	35	90

Wiring diagram

Wiring diagram N° 1

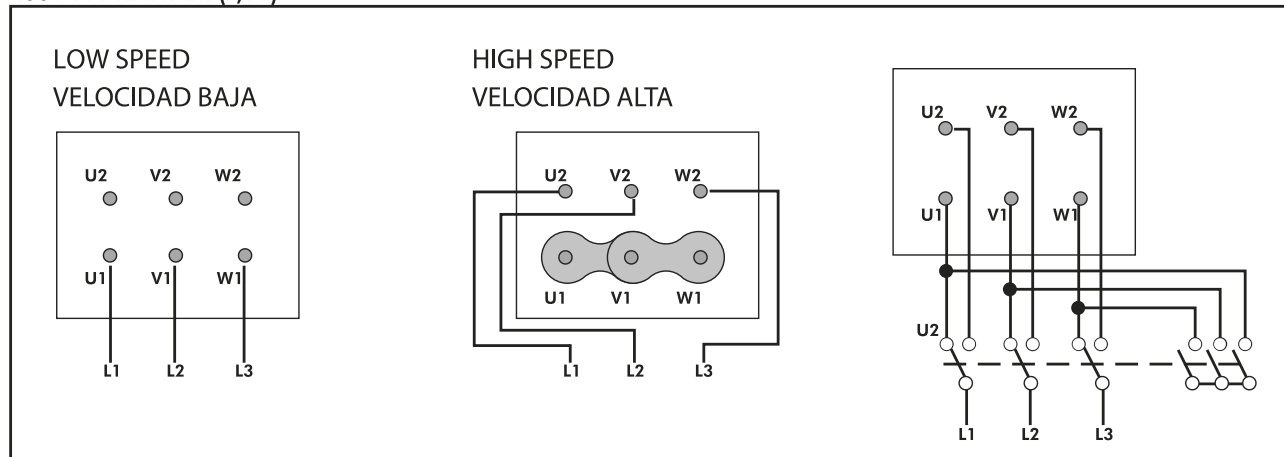


Wiring diagram N° 2



Wiring diagram Nº 3

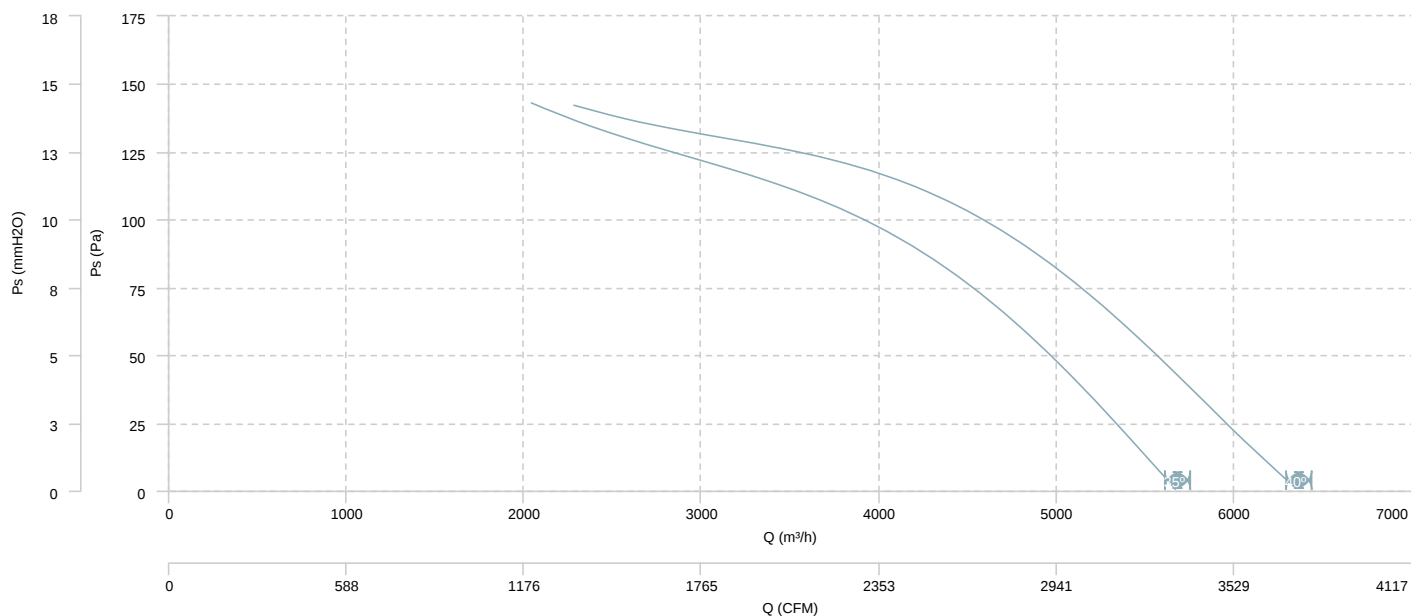
400V DAHLANDER (Y,YY)



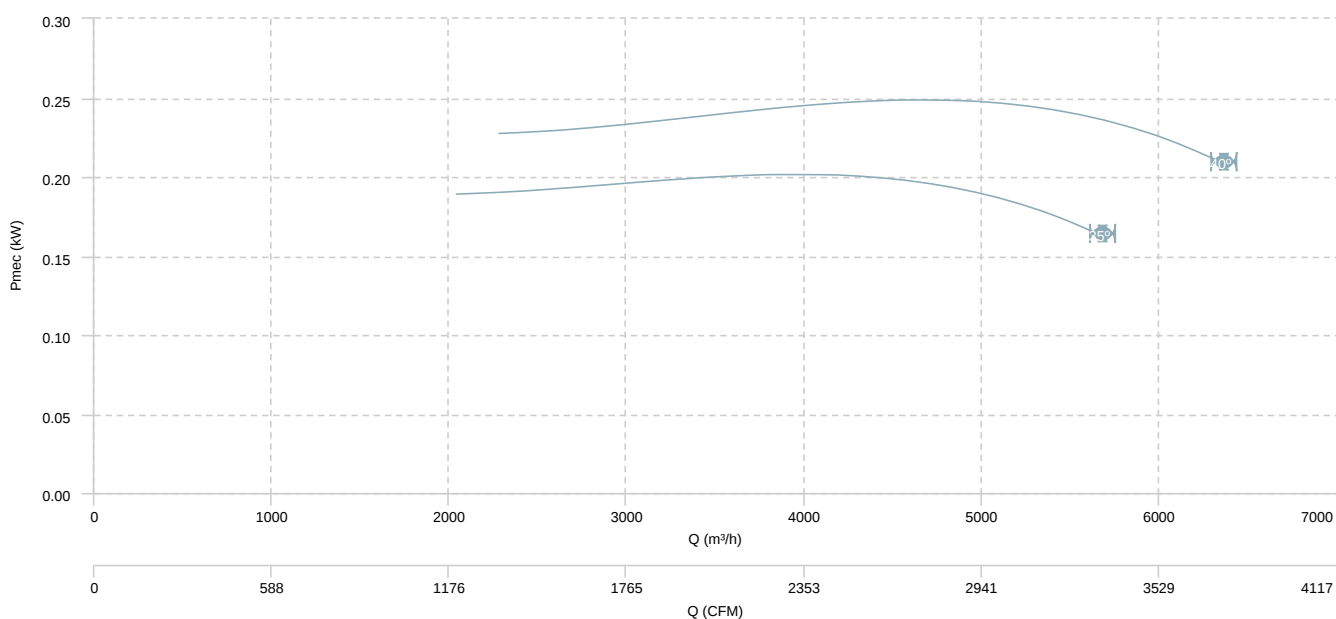
CHARACTERISCTIC CURVE

BOX HBA 45 M4 (A0:6)

AIR FLOW - PRESSURE

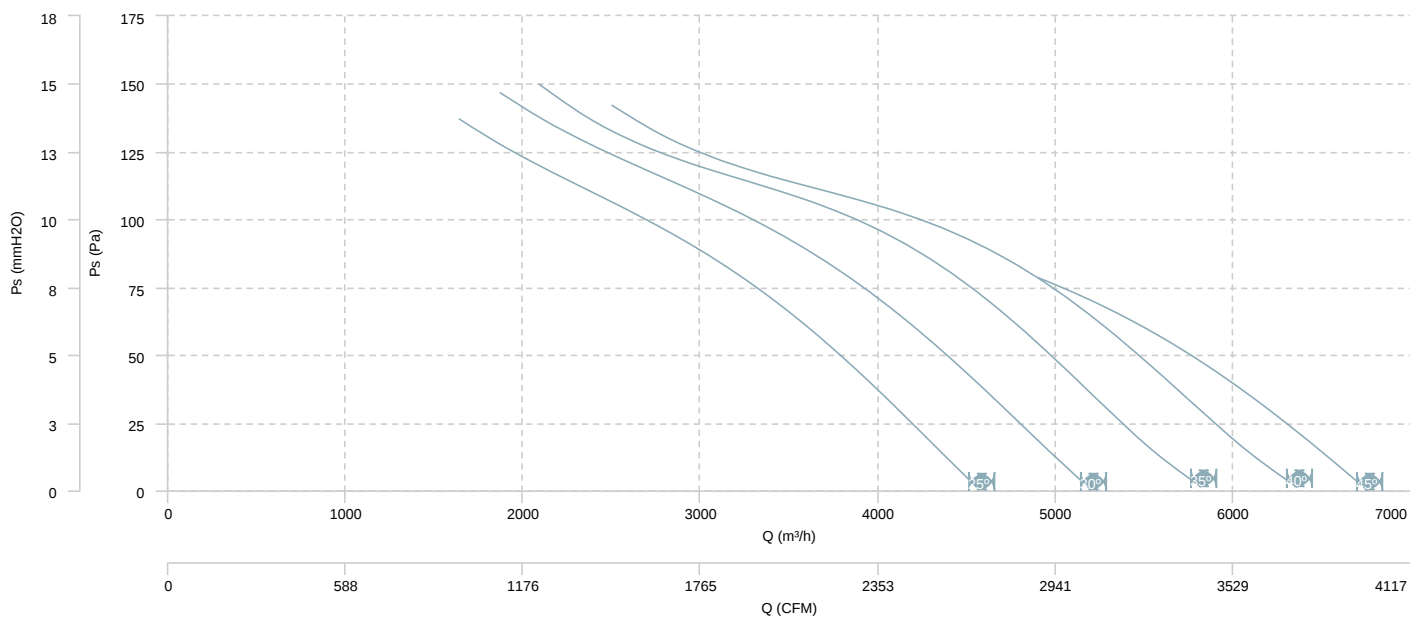


AIR FLOW - MECHANICAL POWER

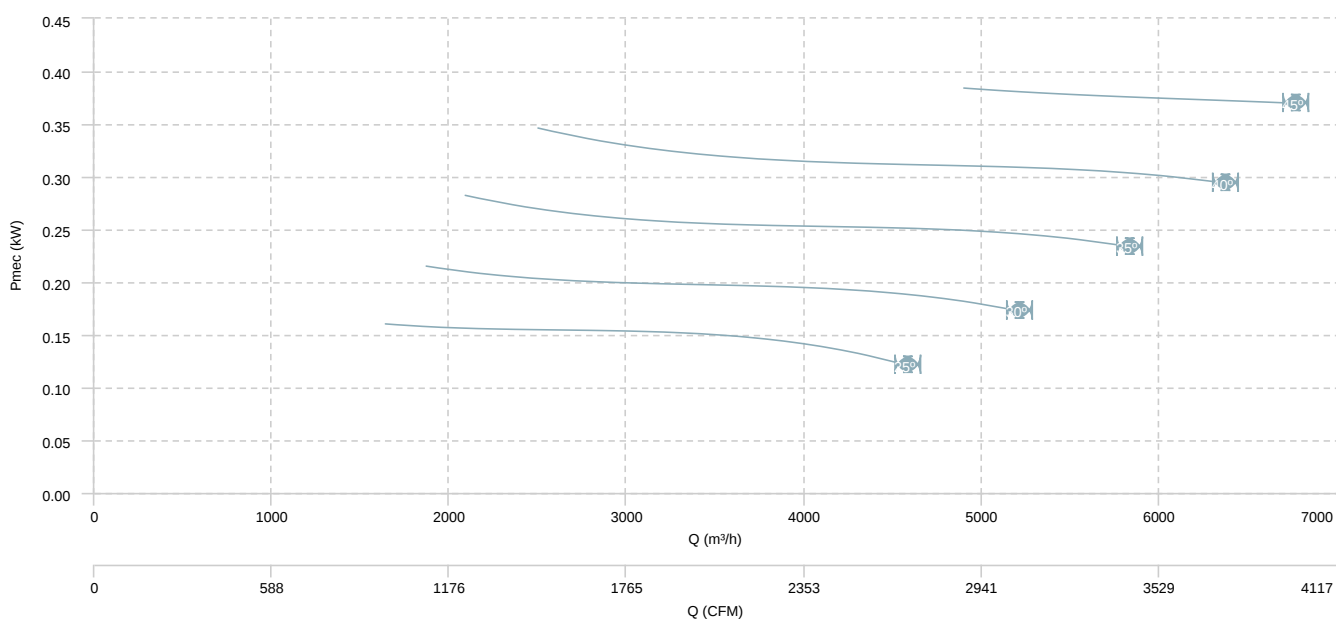


BOX HBA 45 M4 (A5:6)

AIR FLOW - PRESSURE

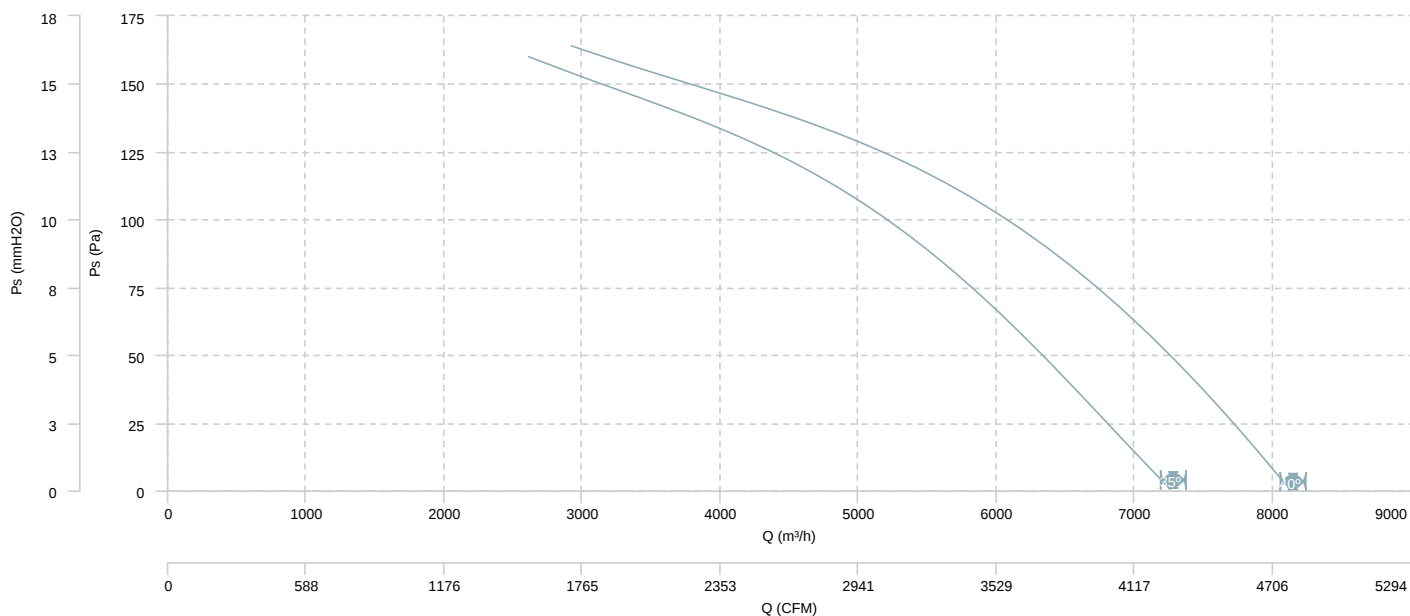


AIR FLOW - MECHANICAL POWER

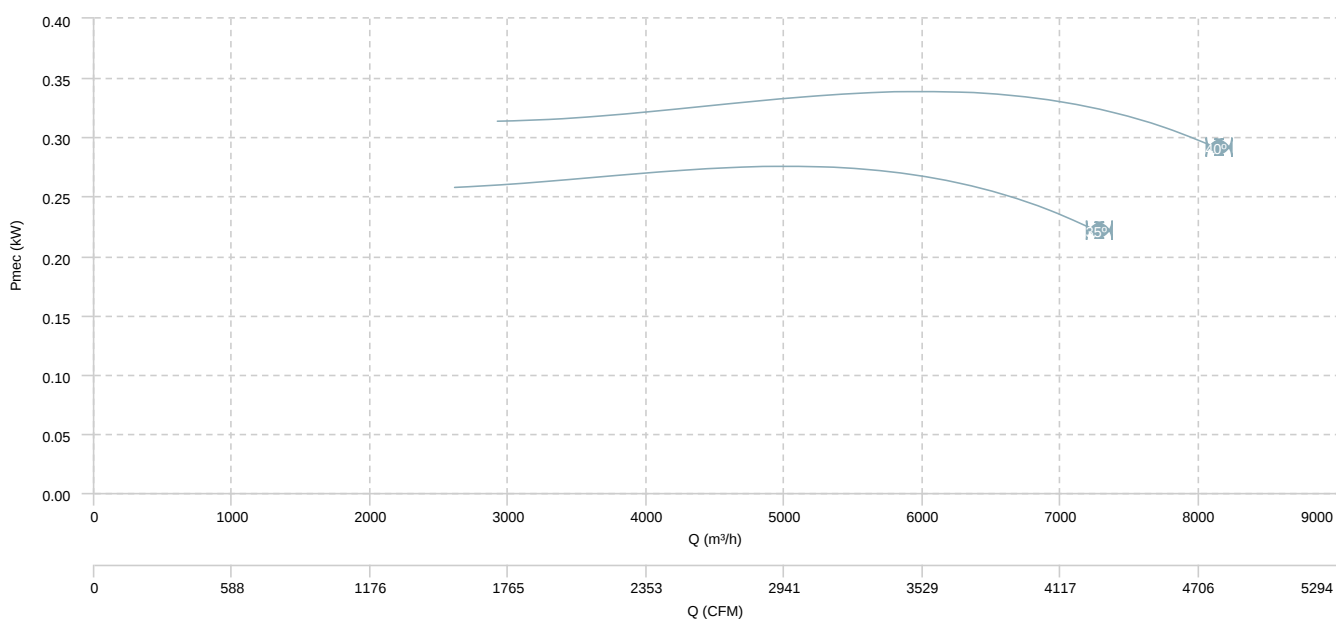


BOX HBA 50 M4 (A0:6)

AIR FLOW - PRESSURE

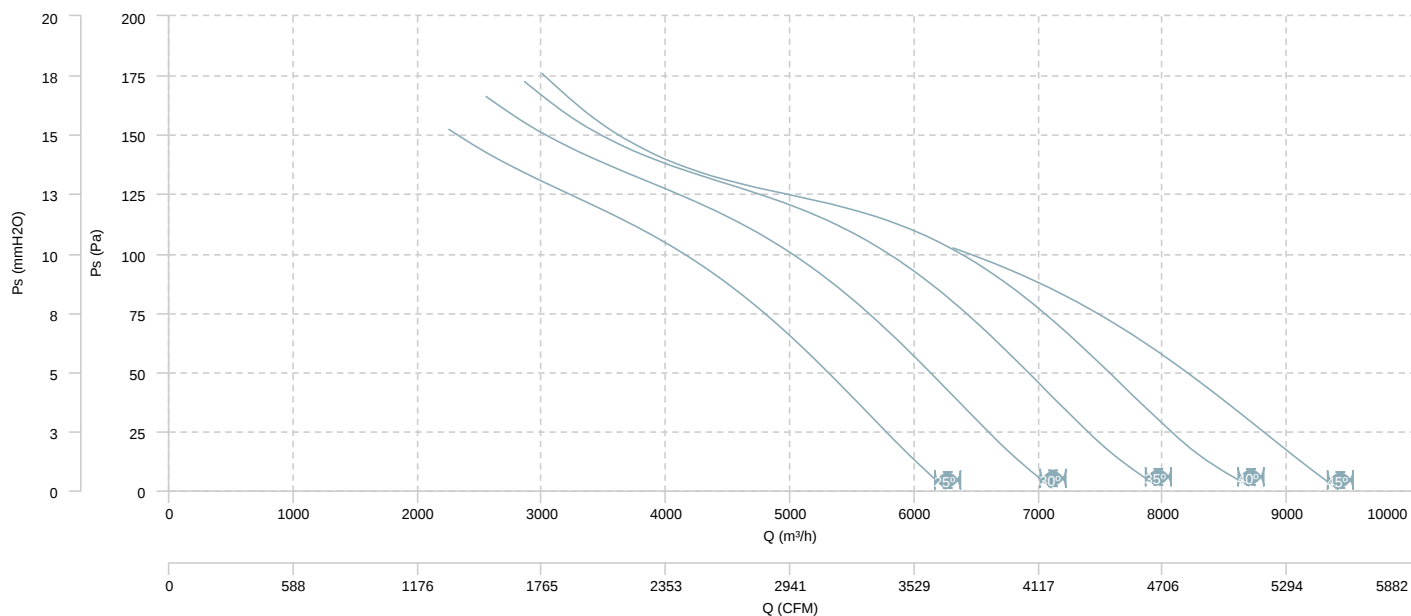


AIR FLOW - MECHANICAL POWER

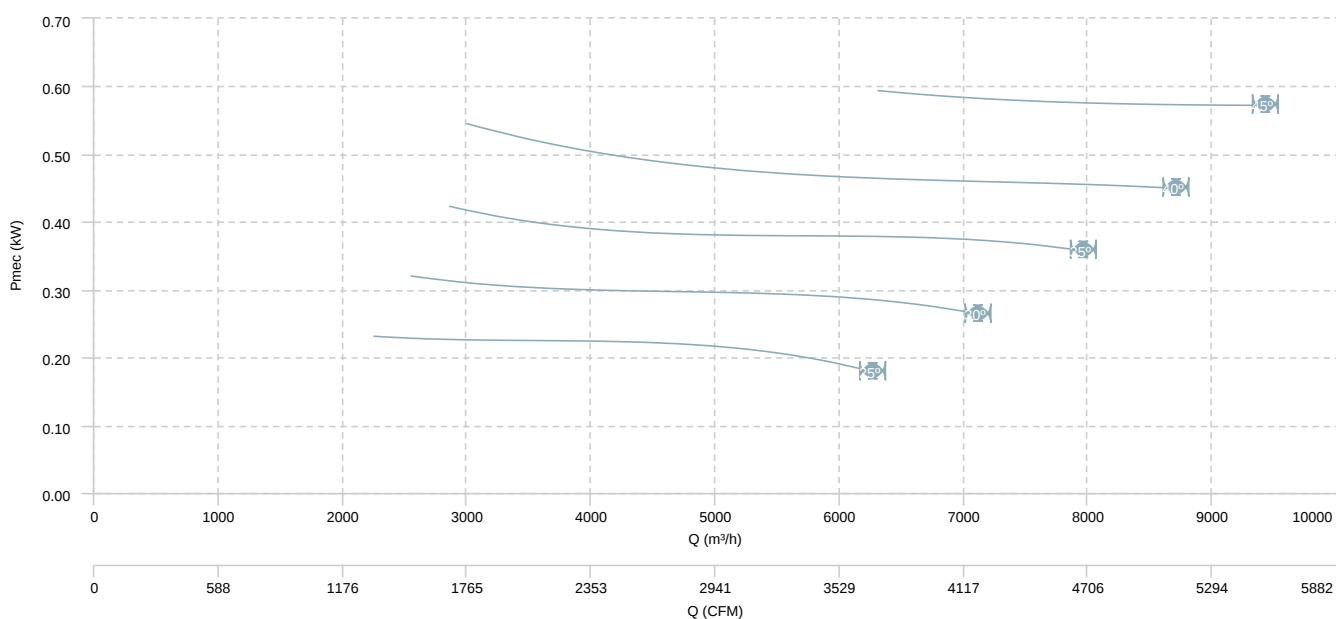


BOX HBA 50 M4 (A5:6)

AIR FLOW - PRESSURE

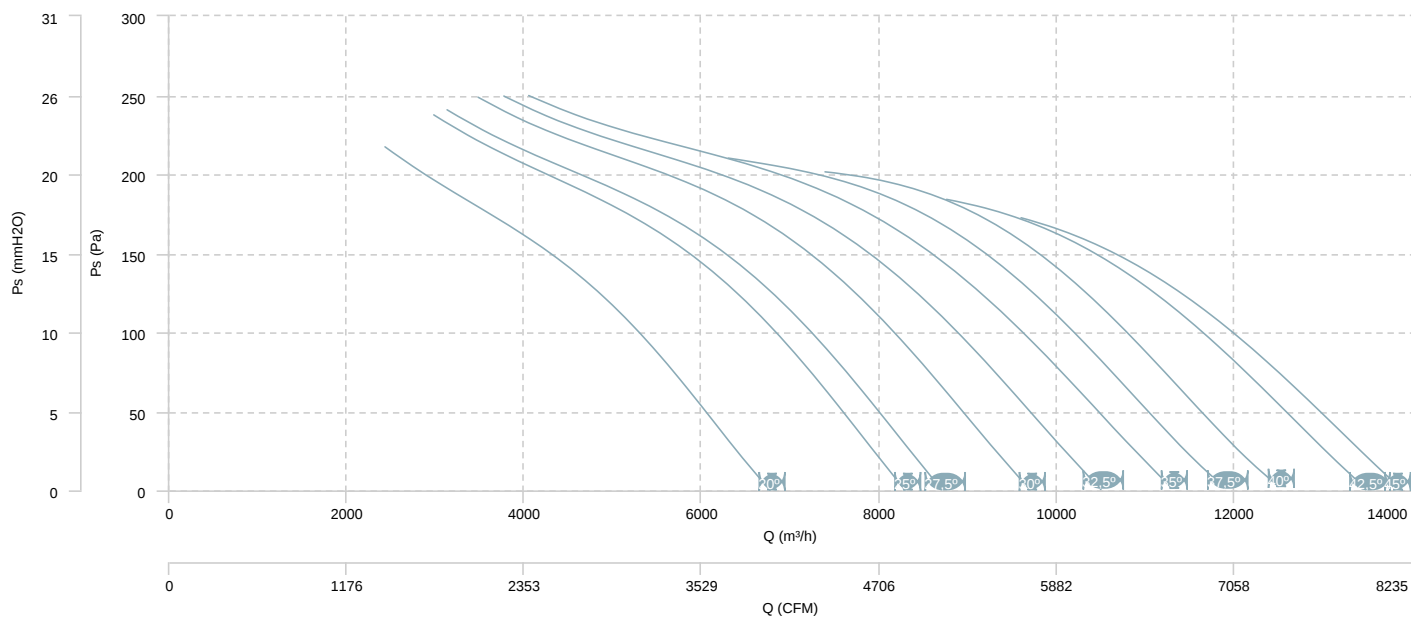


AIR FLOW - MECHANICAL POWER

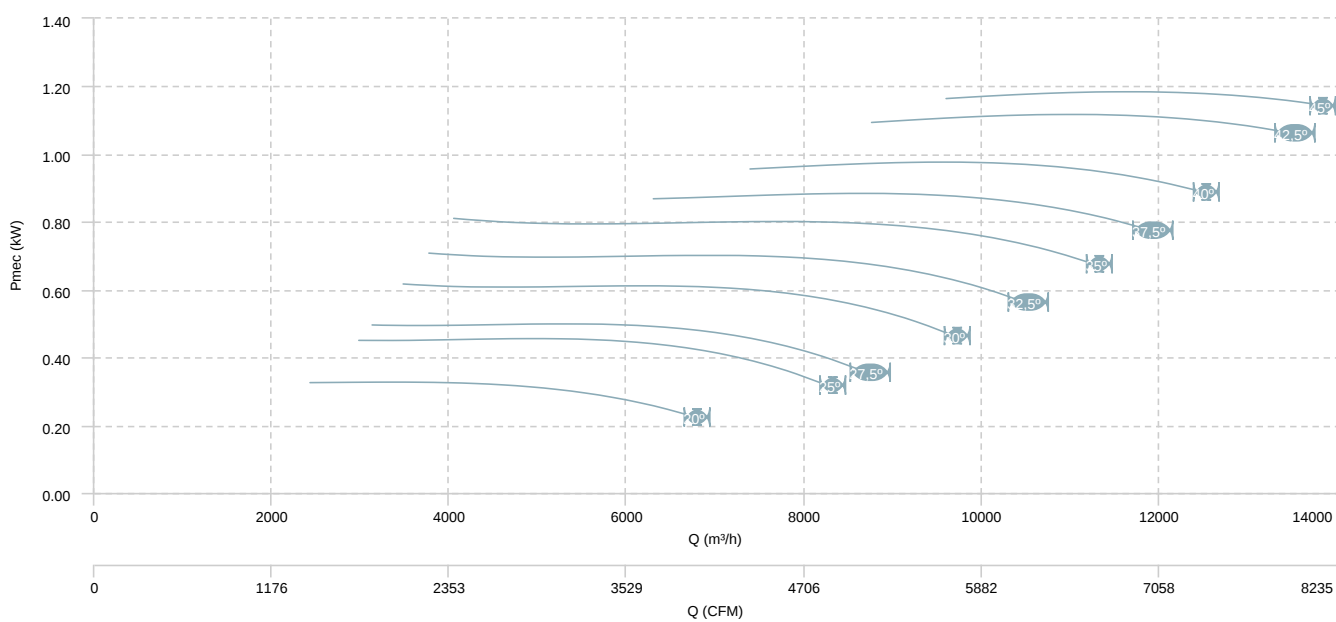


BOX HBA 56 M4 (A2:6)

AIR FLOW - PRESSURE

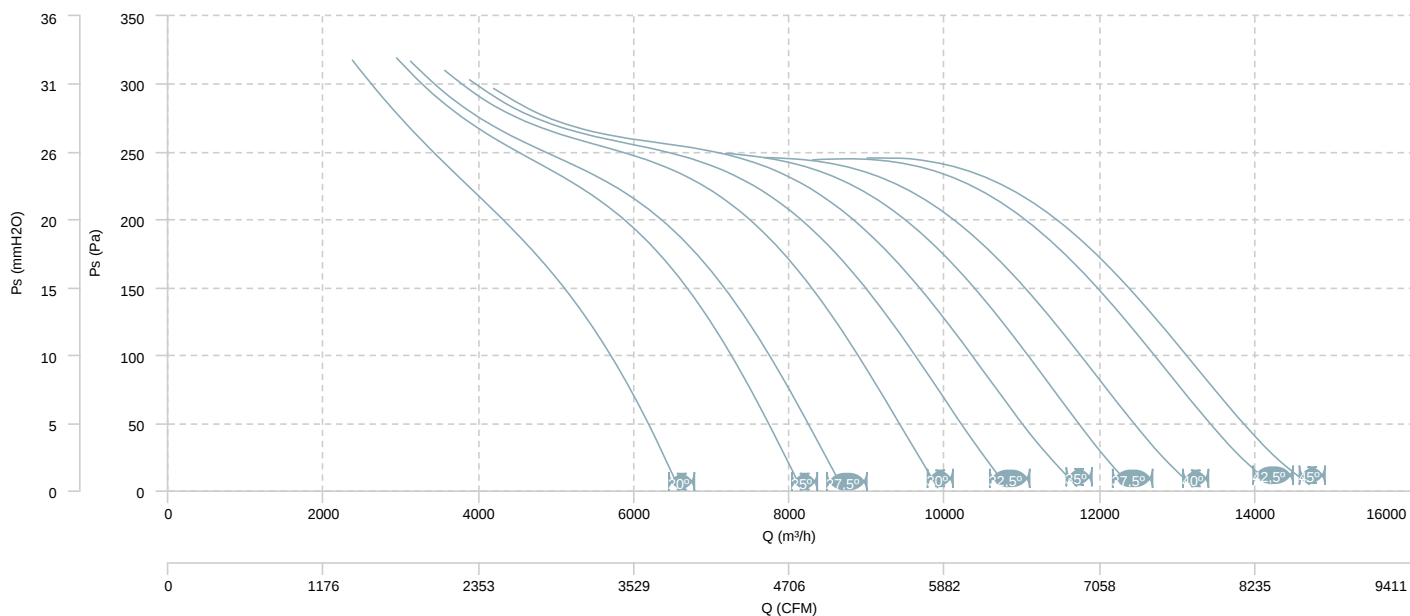


AIR FLOW - MECHANICAL POWER

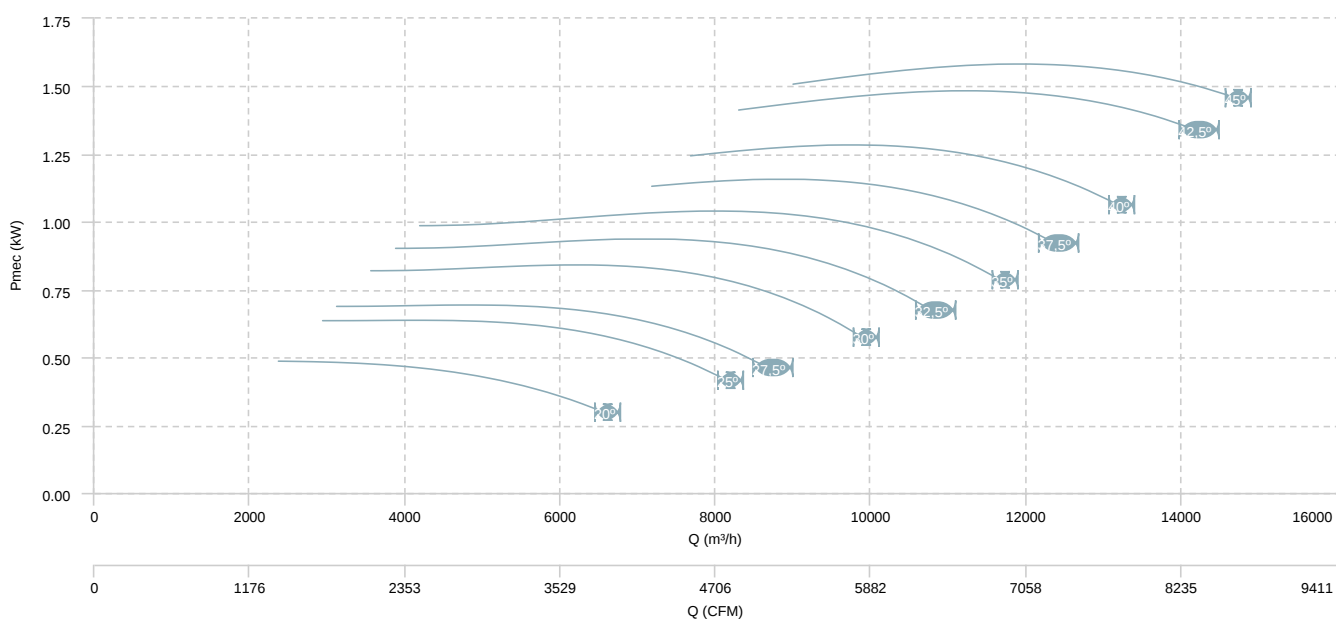


BOX HBA 56 M4 (A2:9)

AIR FLOW - PRESSURE

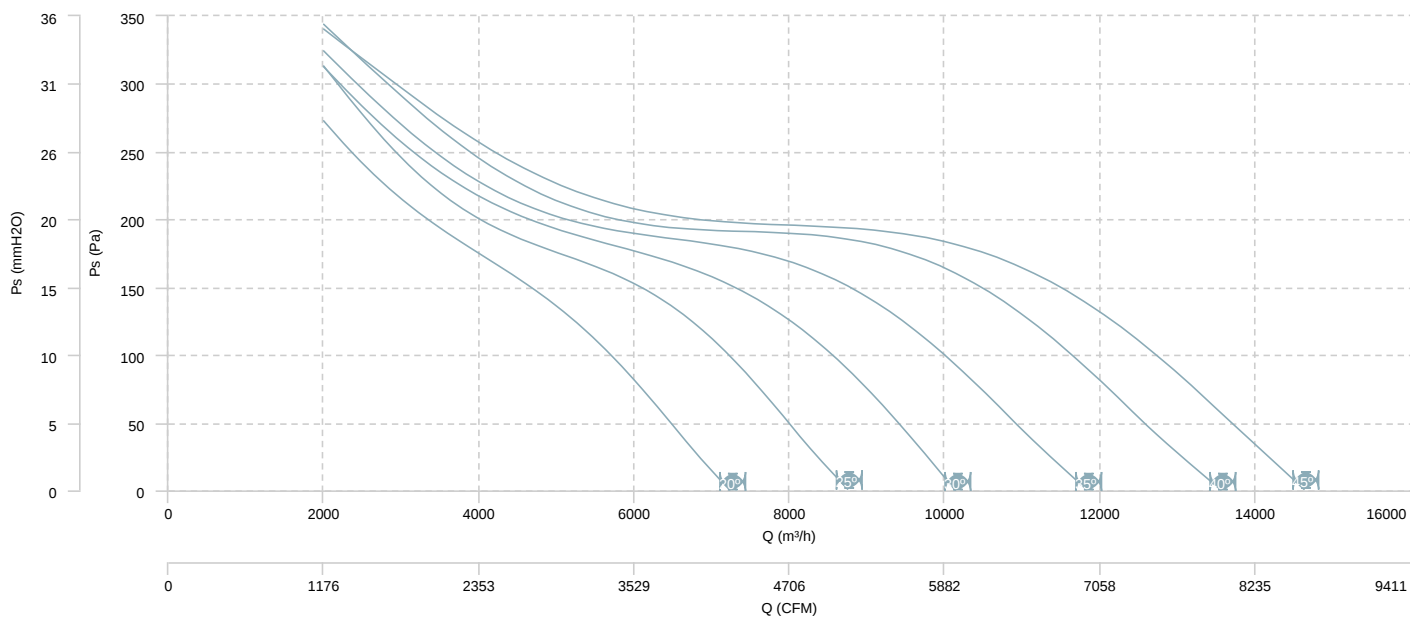


AIR FLOW - MECHANICAL POWER

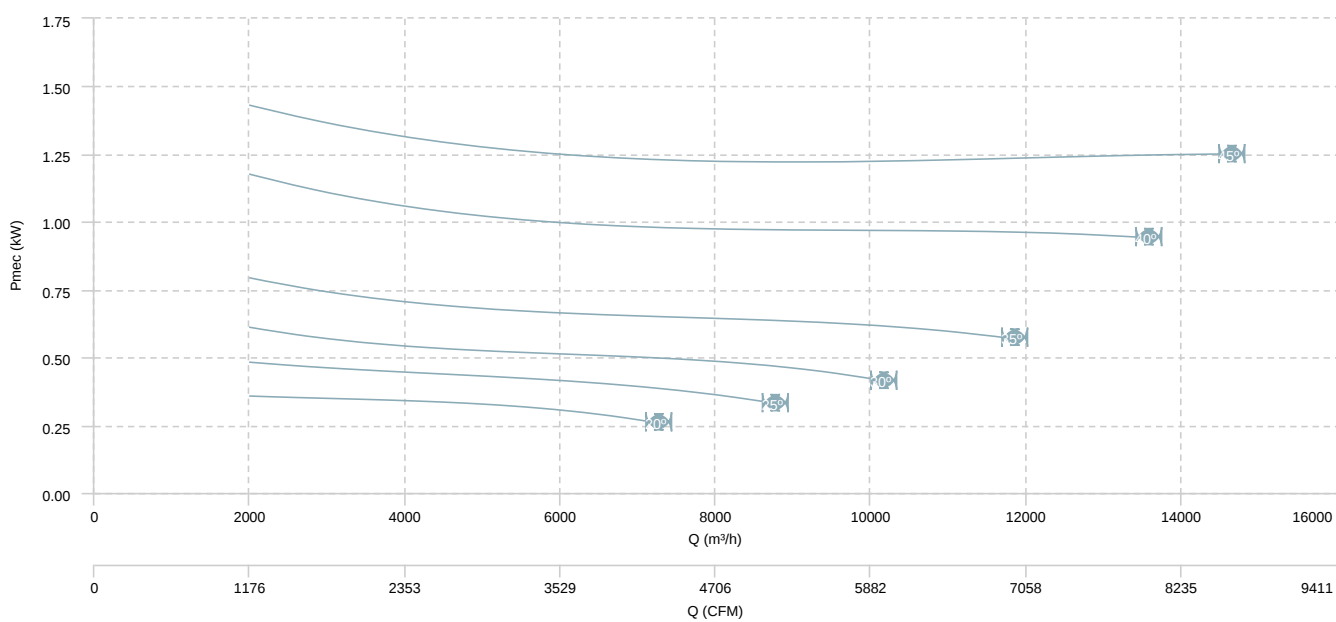


BOX HBA 56 M4 (A5:6)

AIR FLOW - PRESSURE

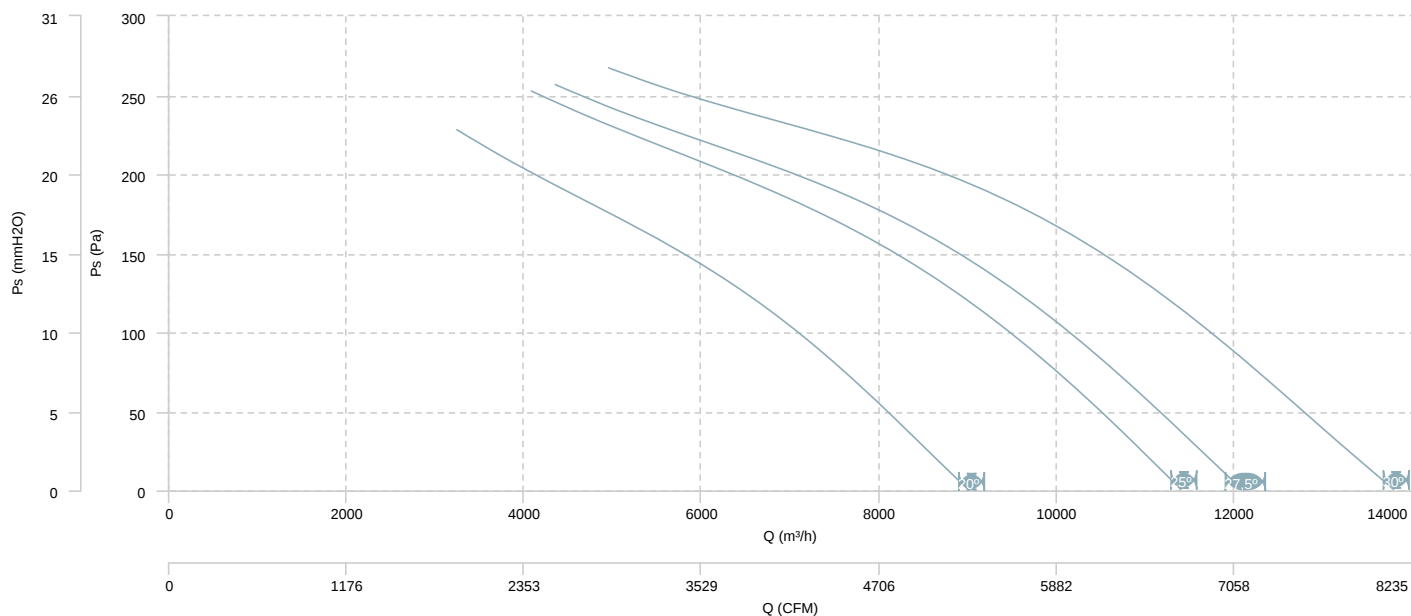


AIR FLOW - MECHANICAL POWER

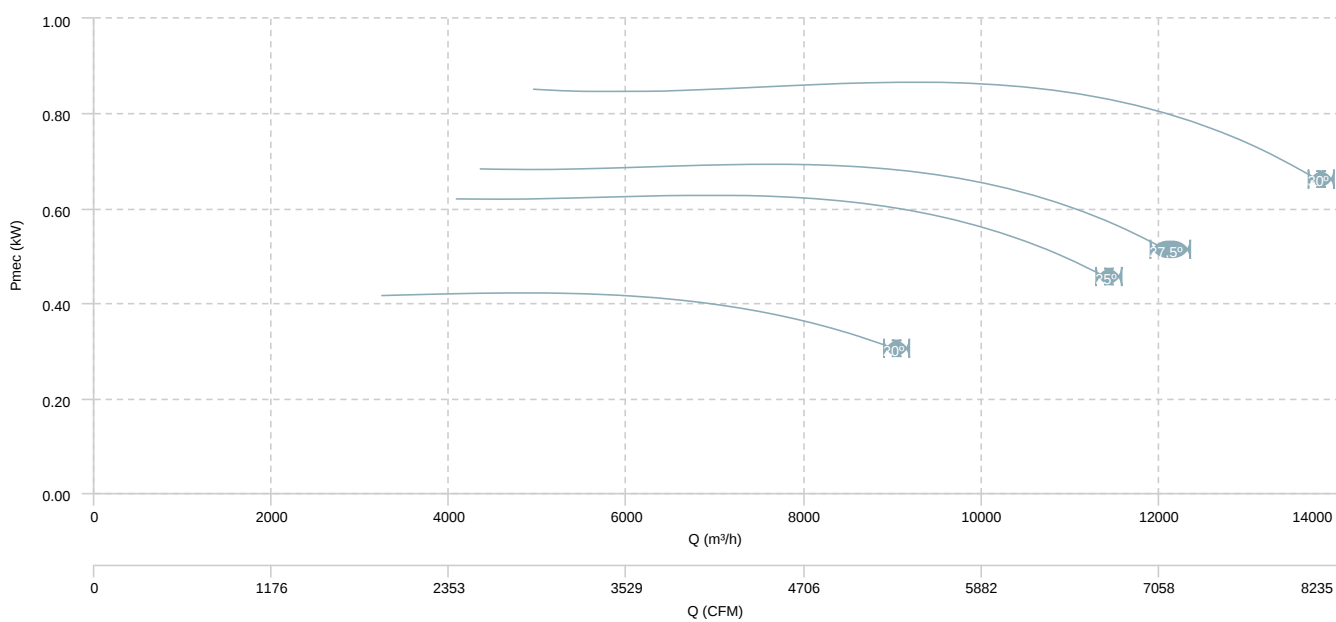


BOX HBA 63 M4 (A2:6)

AIR FLOW - PRESSURE

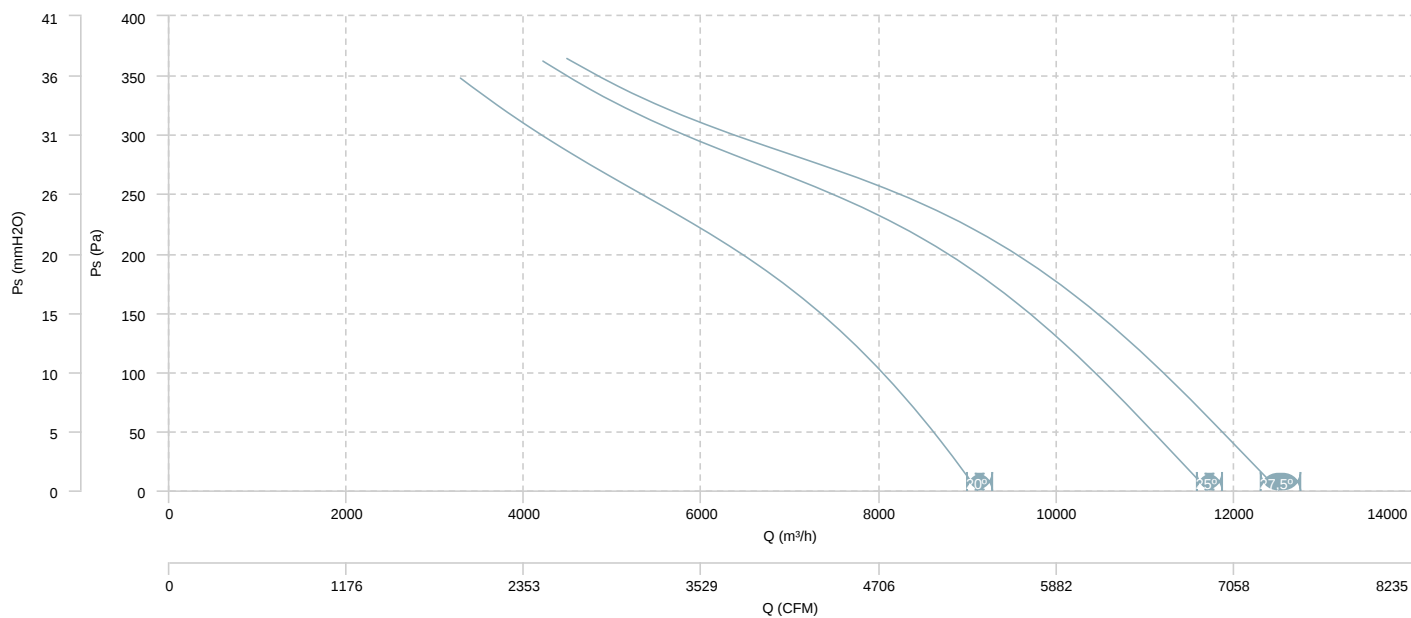


AIR FLOW - MECHANICAL POWER

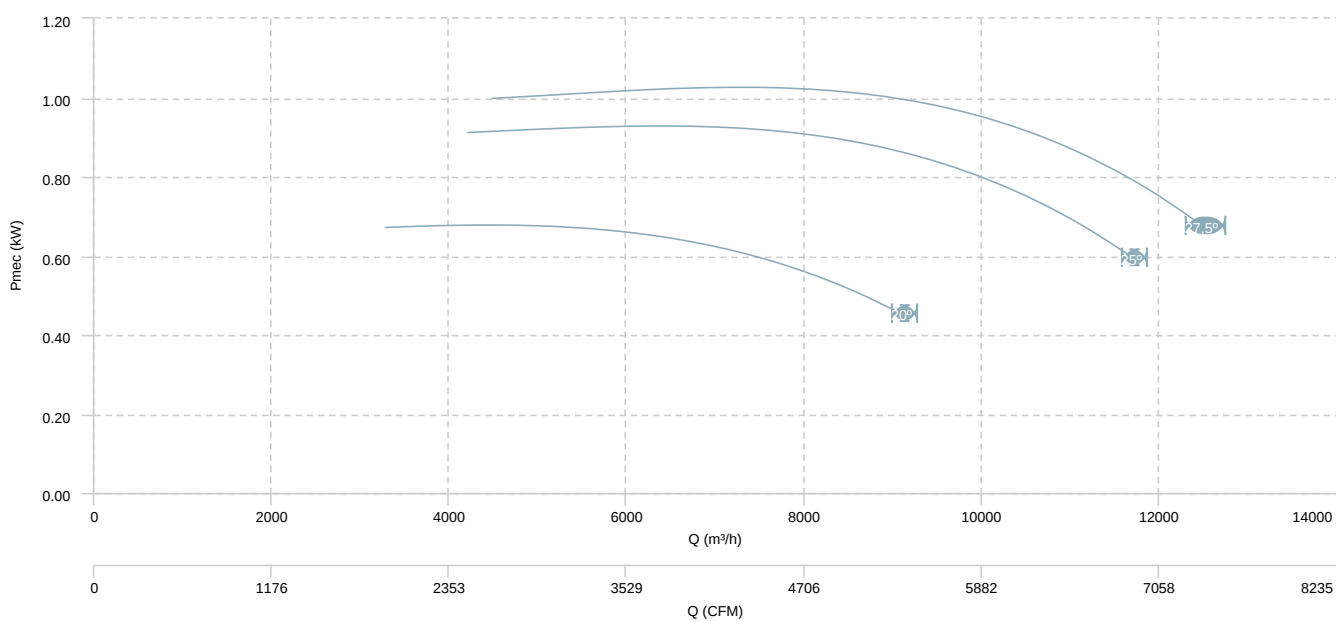


BOX HBA 63 M4 (A2:9)

AIR FLOW - PRESSURE

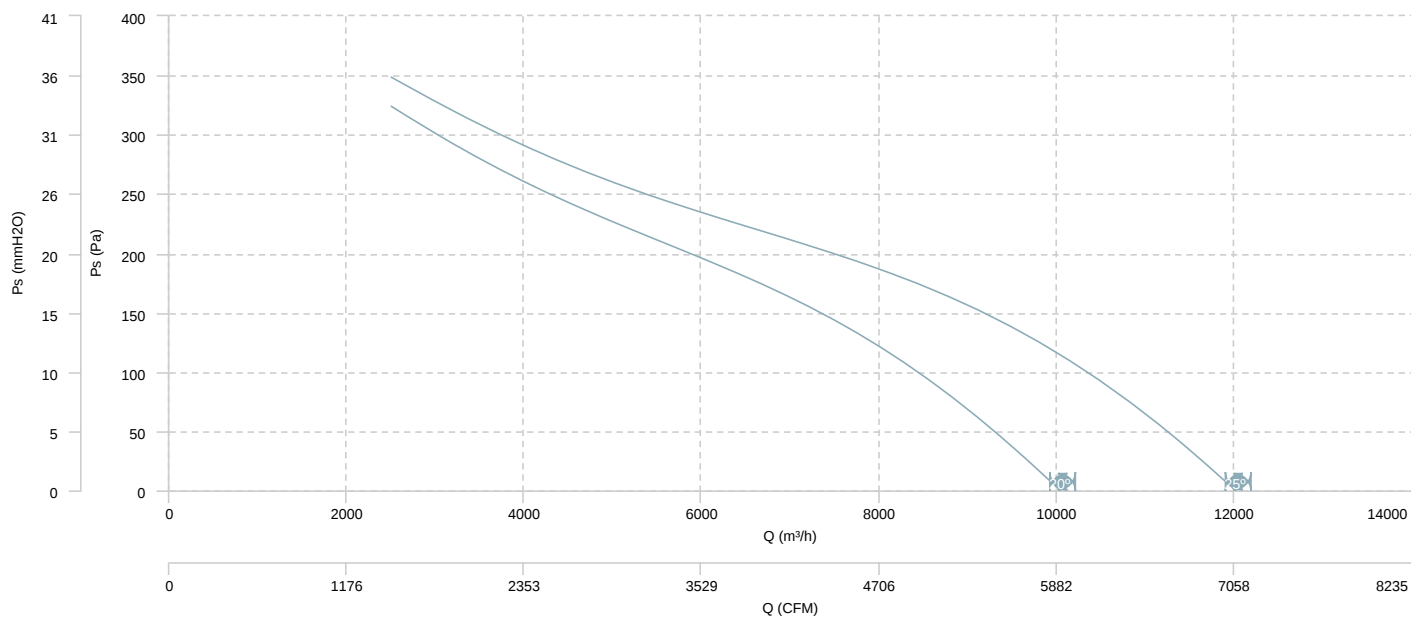


AIR FLOW - MECHANICAL POWER

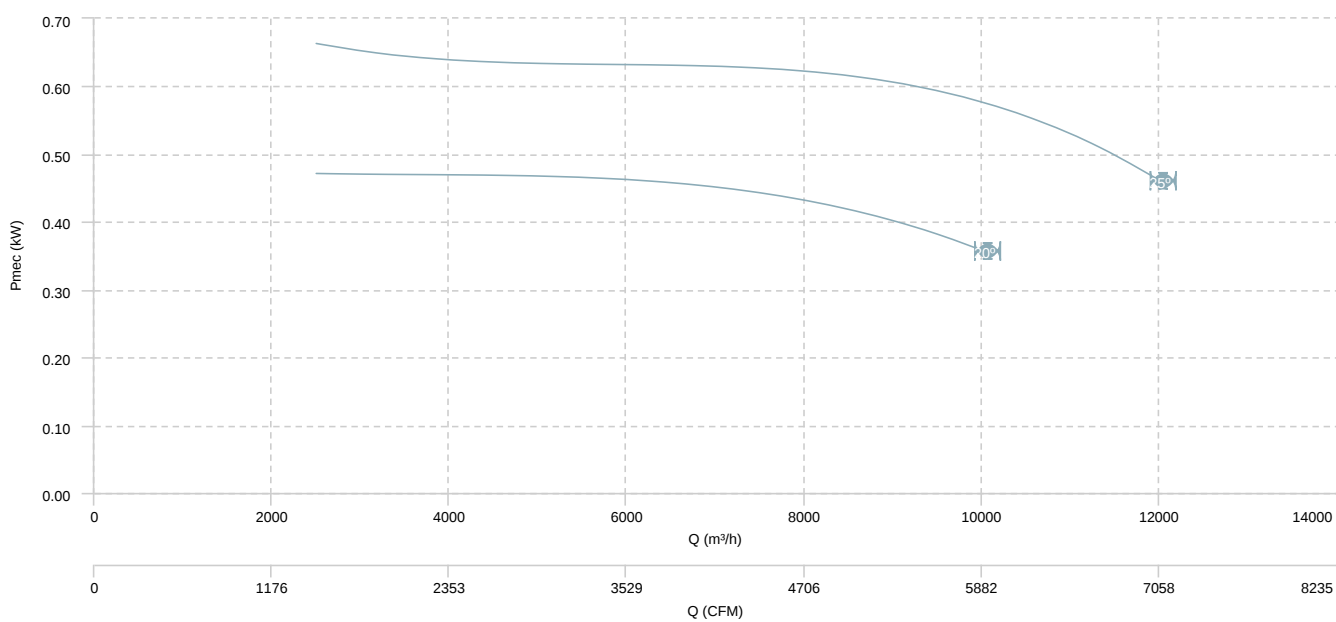


BOX HBA 63 M4 (A5:6)

AIR FLOW - PRESSURE

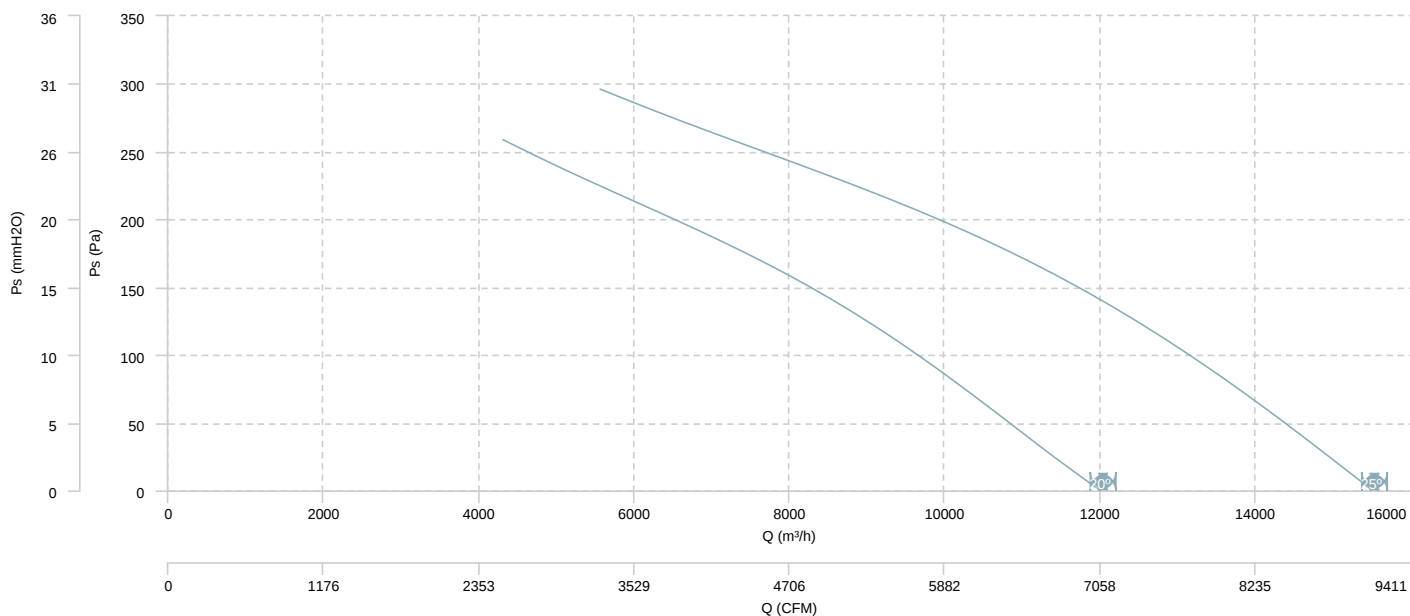


AIR FLOW - MECHANICAL POWER

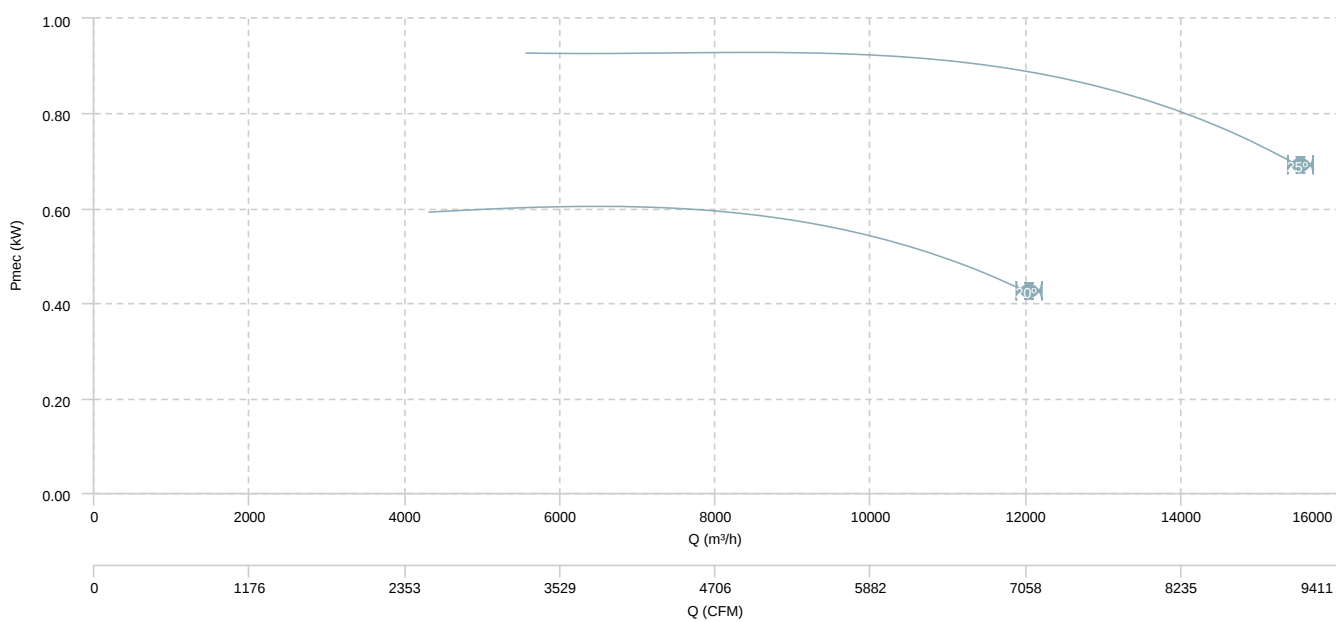


BOX HBA 71 M4 (A2:6)

AIR FLOW - PRESSURE

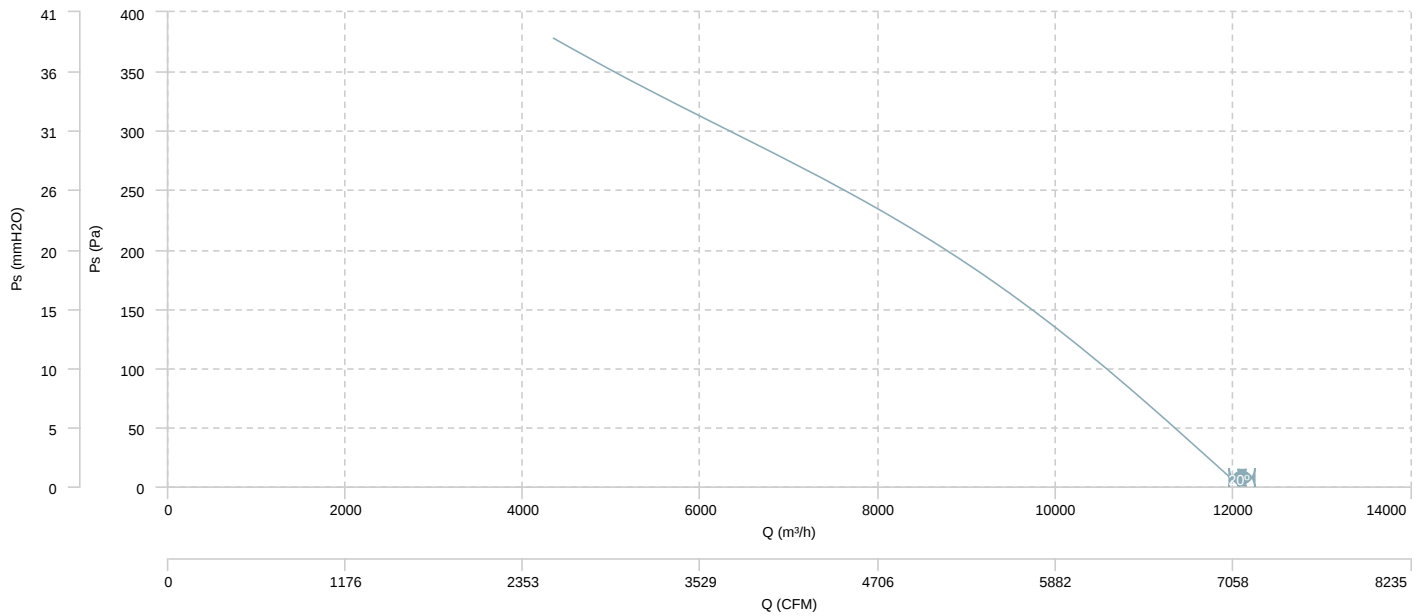


AIR FLOW - MECHANICAL POWER

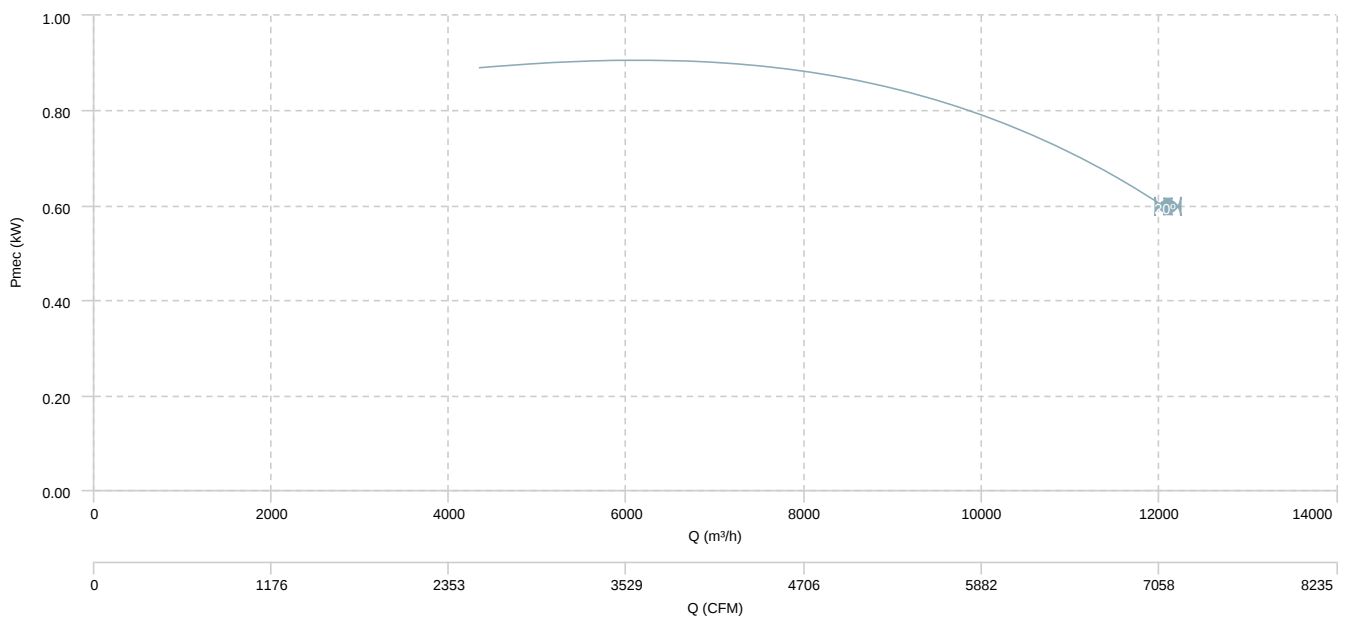


BOX HBA 71 M4 (A2:9)

AIR FLOW - PRESSURE

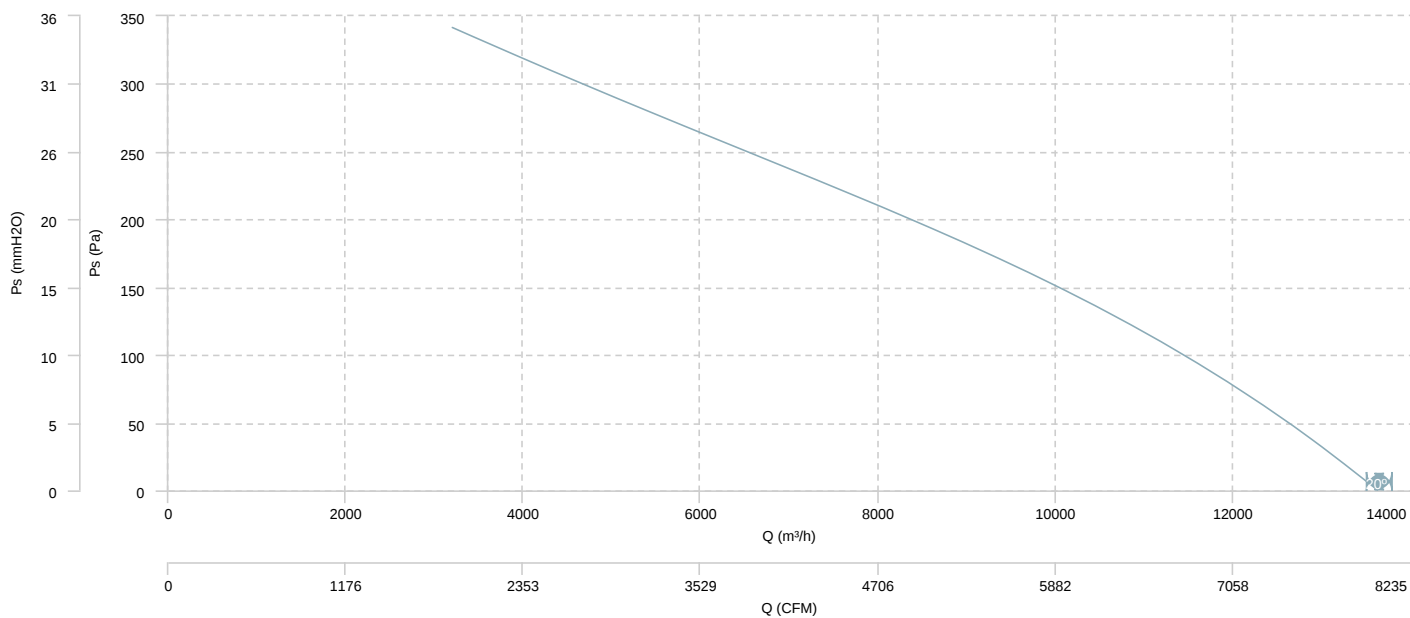


AIR FLOW - MECHANICAL POWER

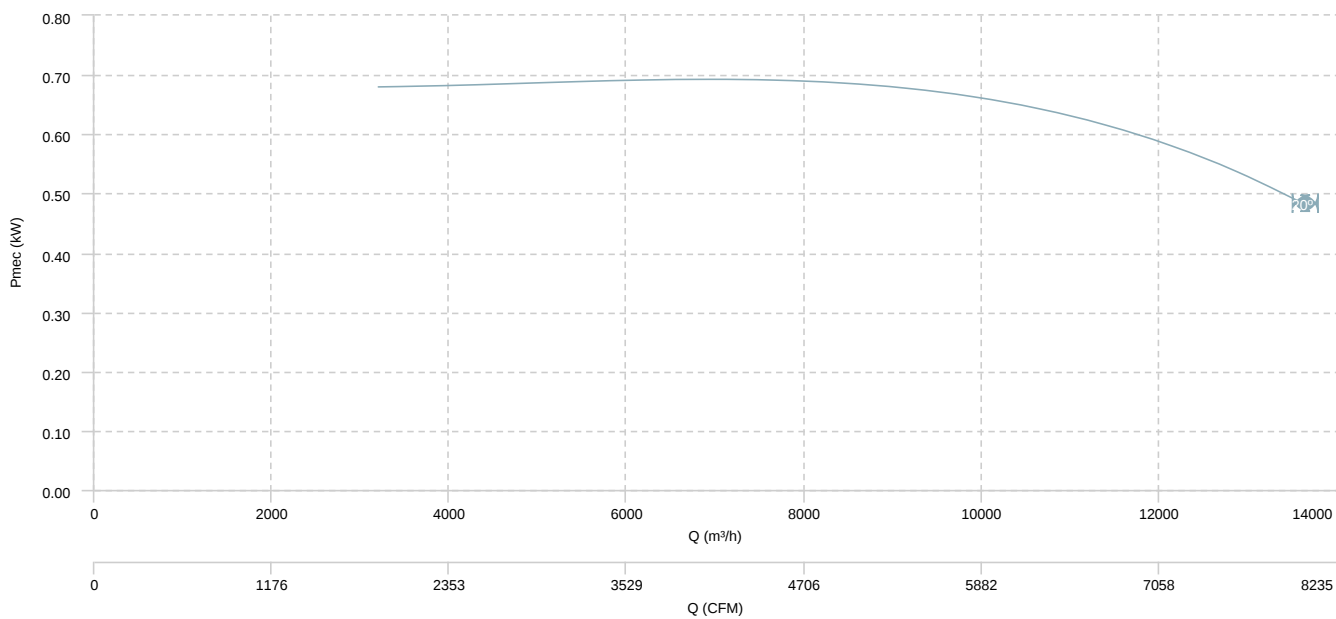


BOX HBA 71 M4 (A5:6)

AIR FLOW - PRESSURE

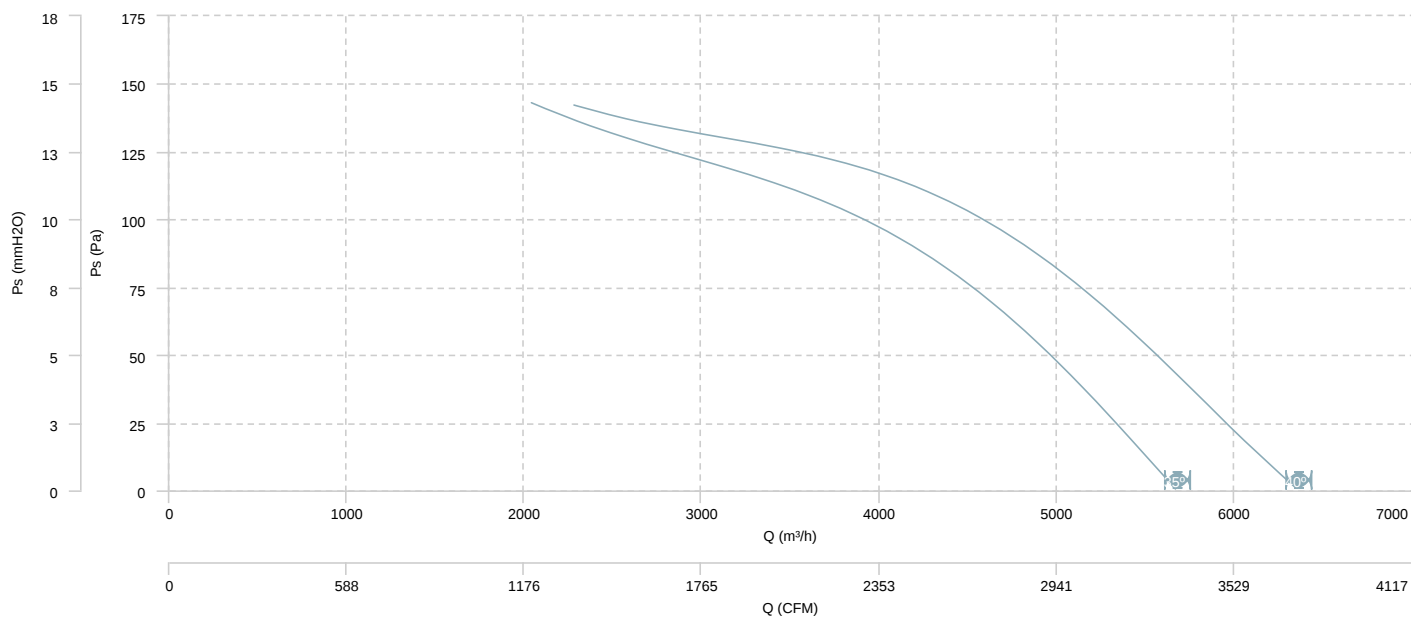


AIR FLOW - MECHANICAL POWER

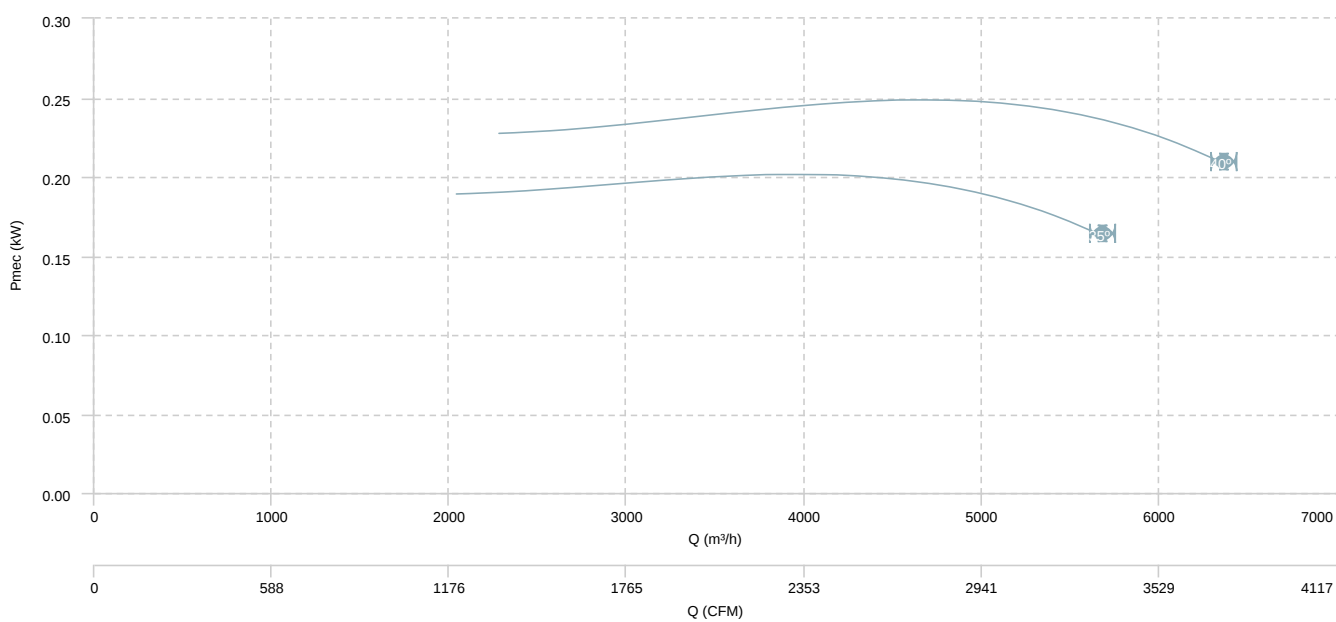


BOX HBA 45 T4 (A0:6)

AIR FLOW - PRESSURE

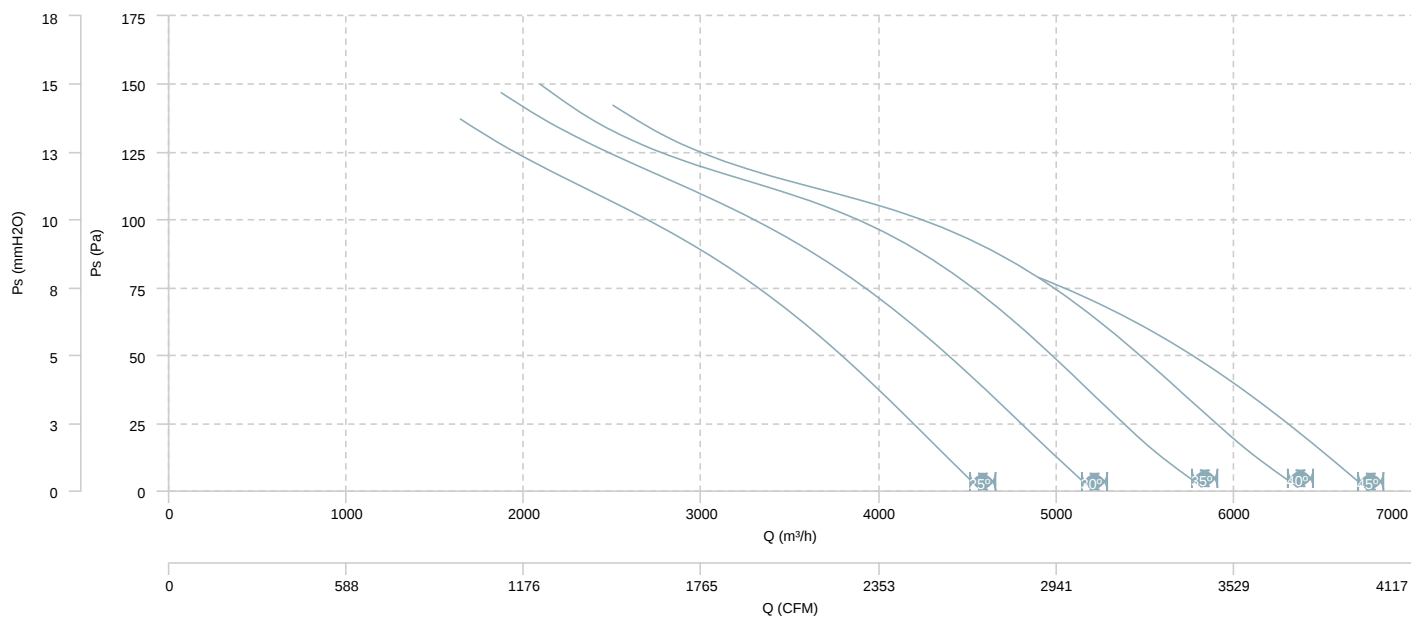


AIR FLOW - MECHANICAL POWER

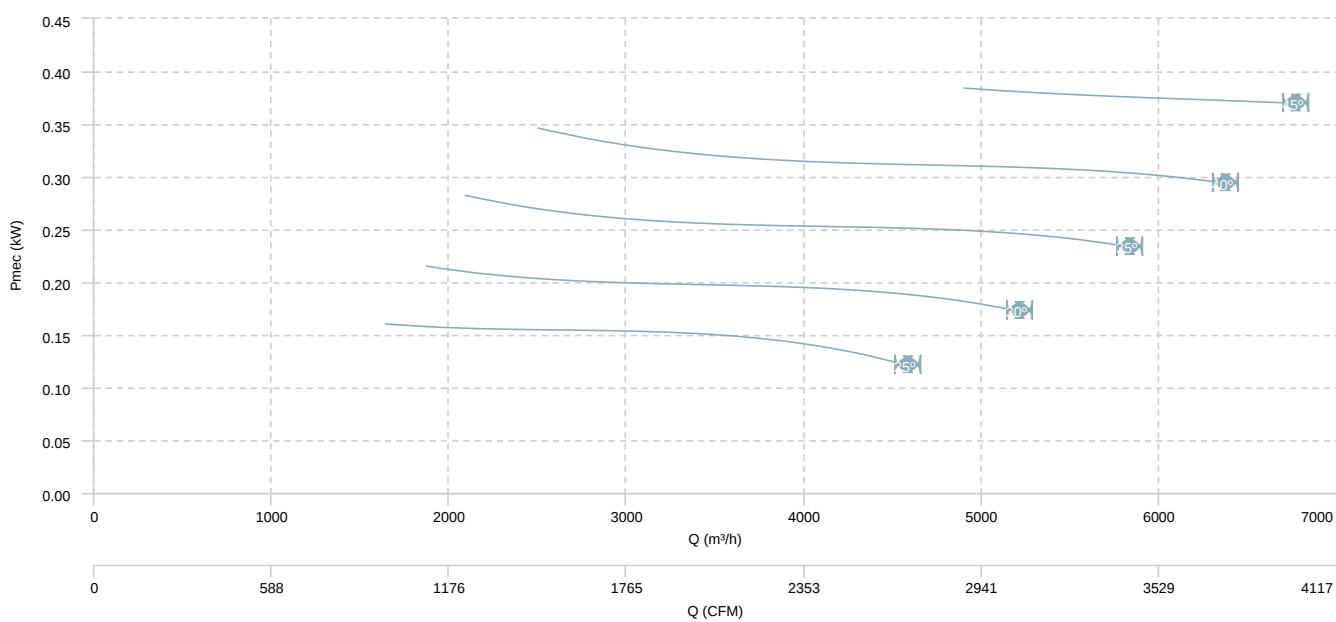


BOX HBA 45 T4 (A5:6)

AIR FLOW - PRESSURE

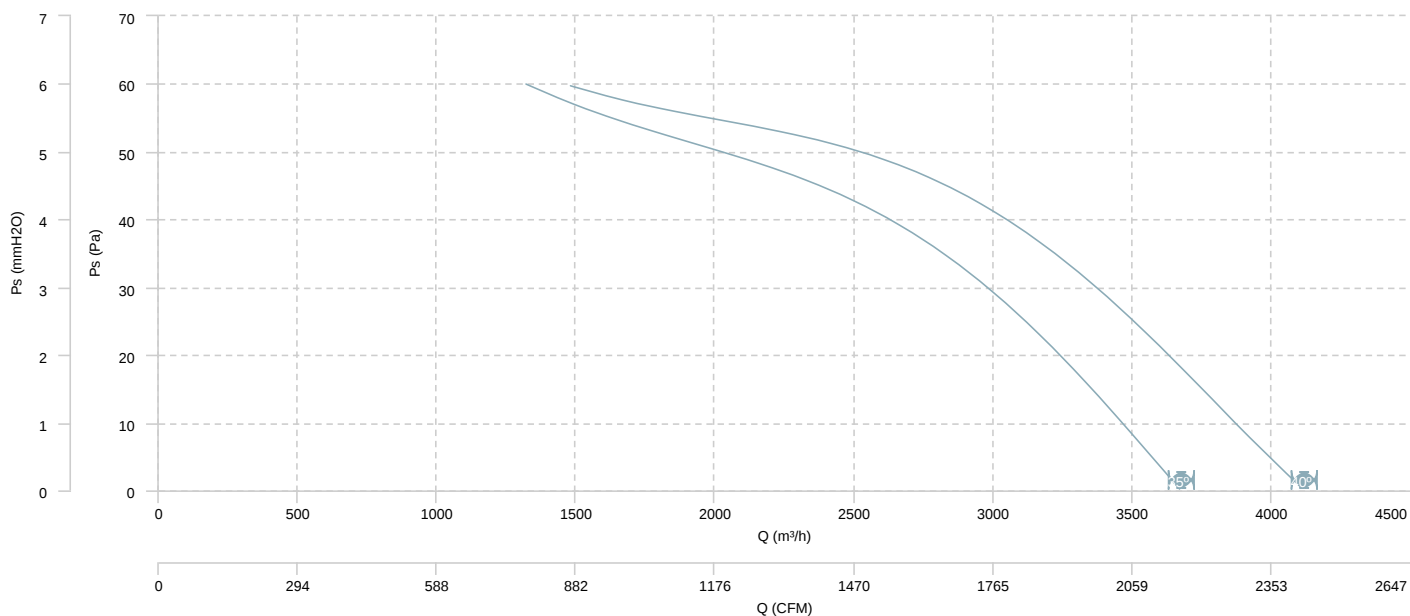


AIR FLOW - MECHANICAL POWER

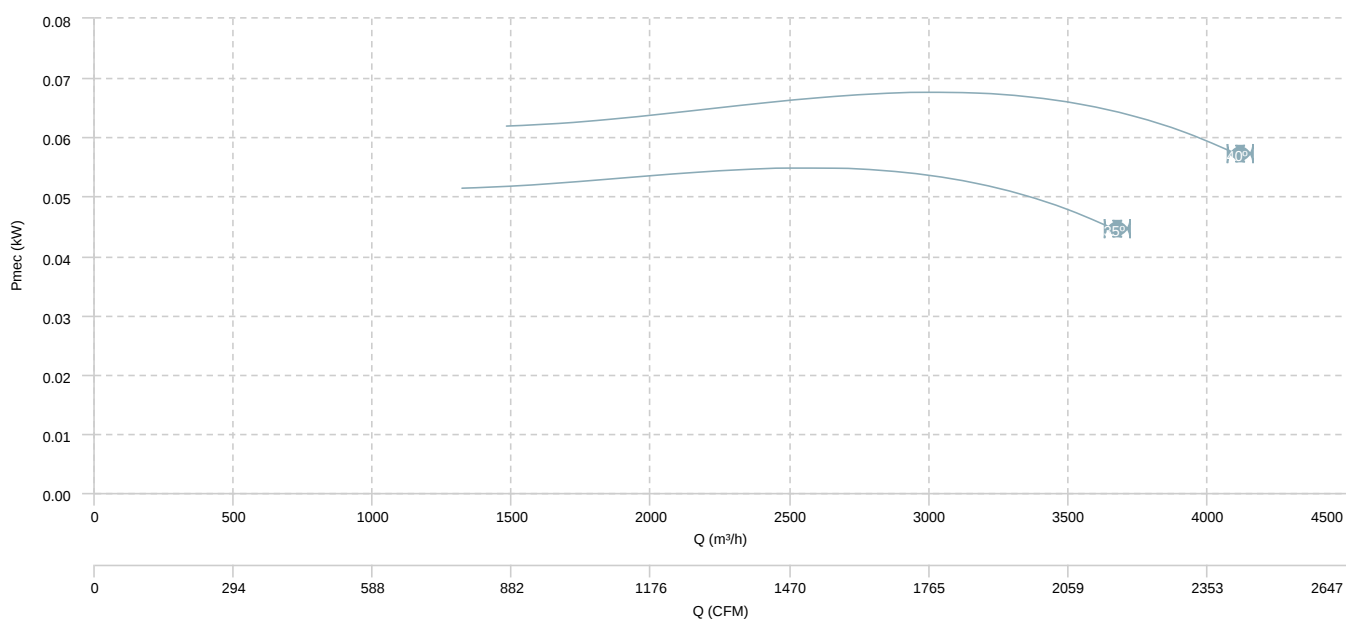


BOX HBA 45 T6 (A0:6)

AIR FLOW - PRESSURE

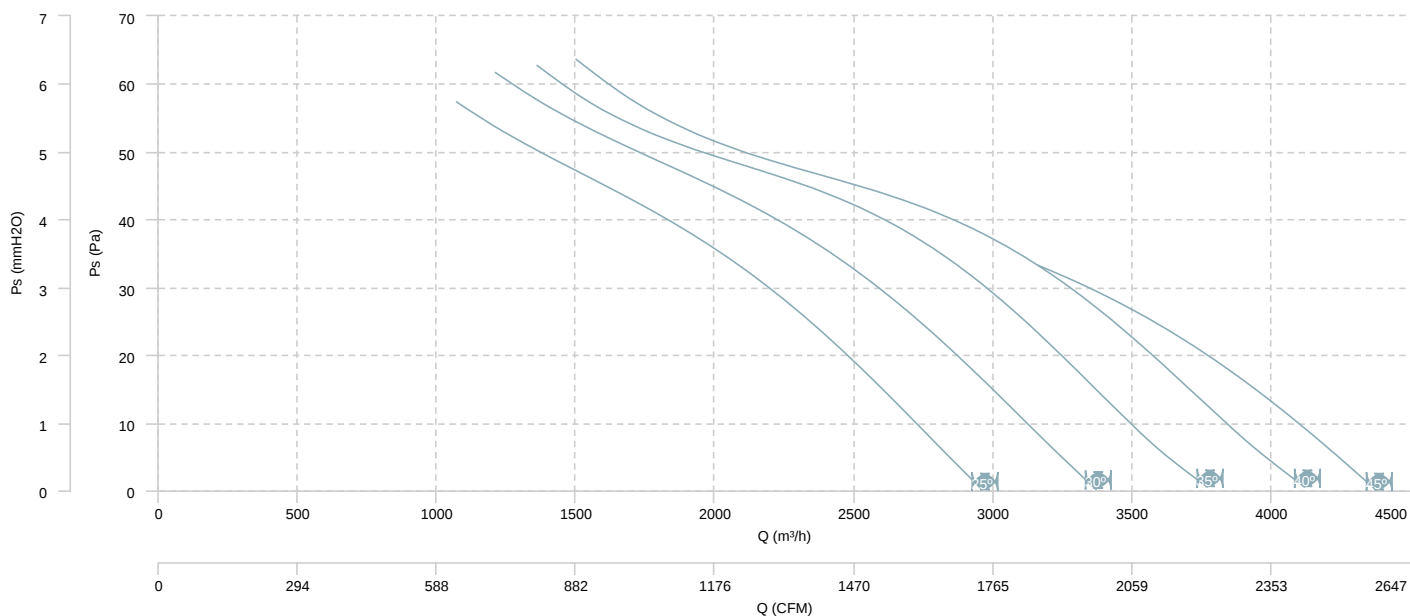


AIR FLOW - MECHANICAL POWER

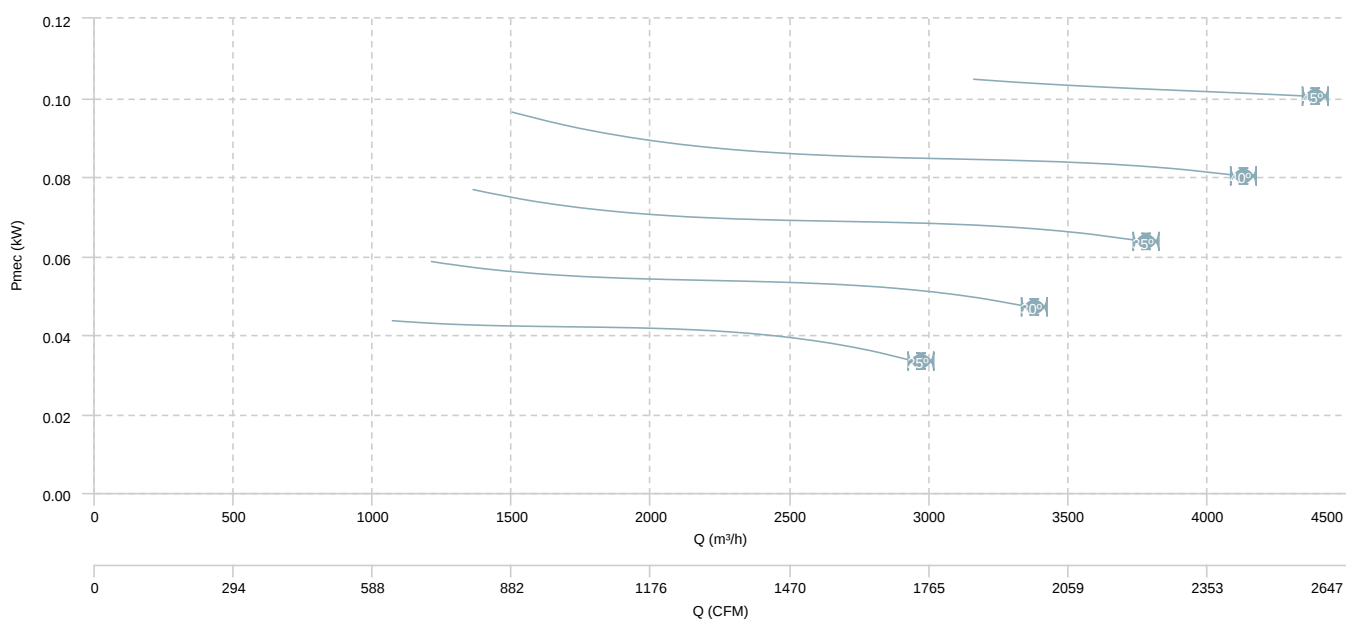


BOX HBA 45 T6 (A5:6)

AIR FLOW - PRESSURE

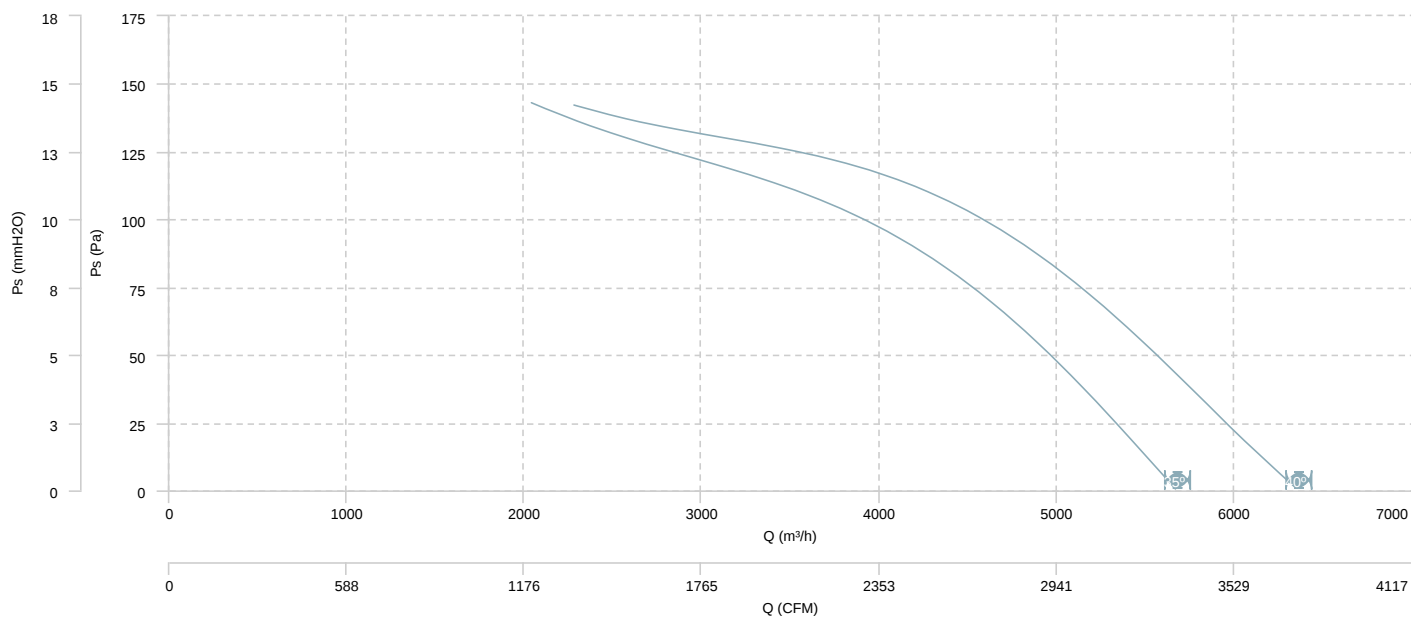


AIR FLOW - MECHANICAL POWER

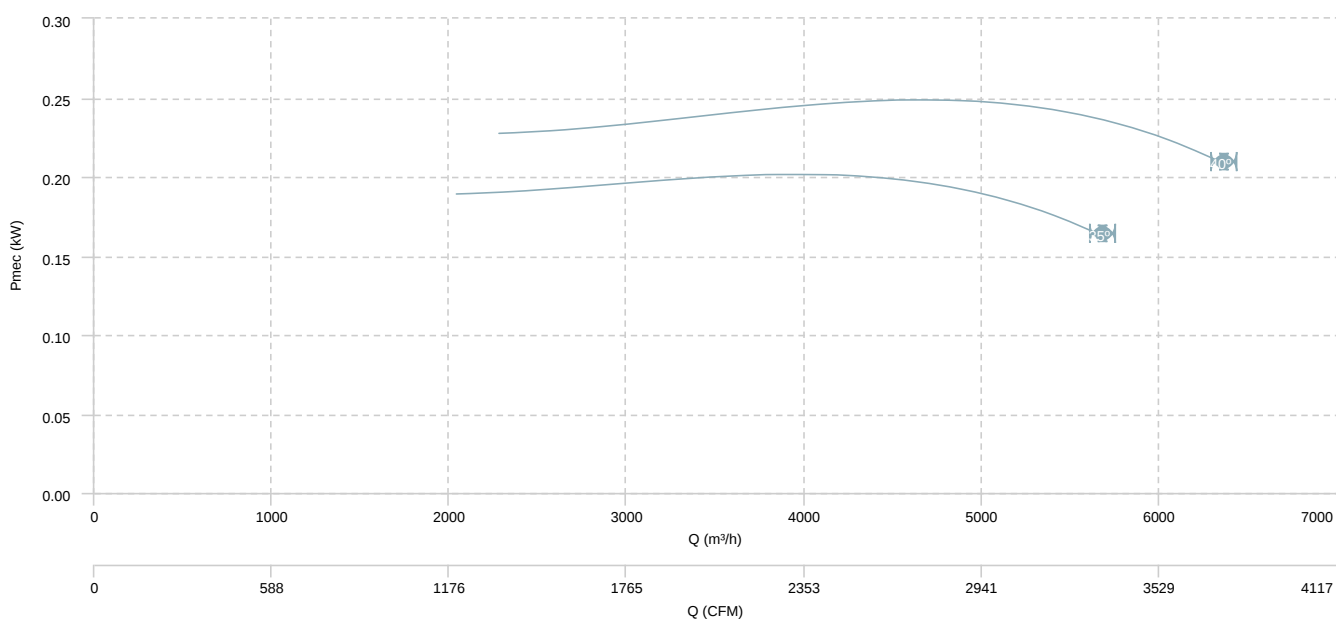


BOX HBA 45 T4/T8 (A0:6)

AIR FLOW - PRESSURE (4 poles)

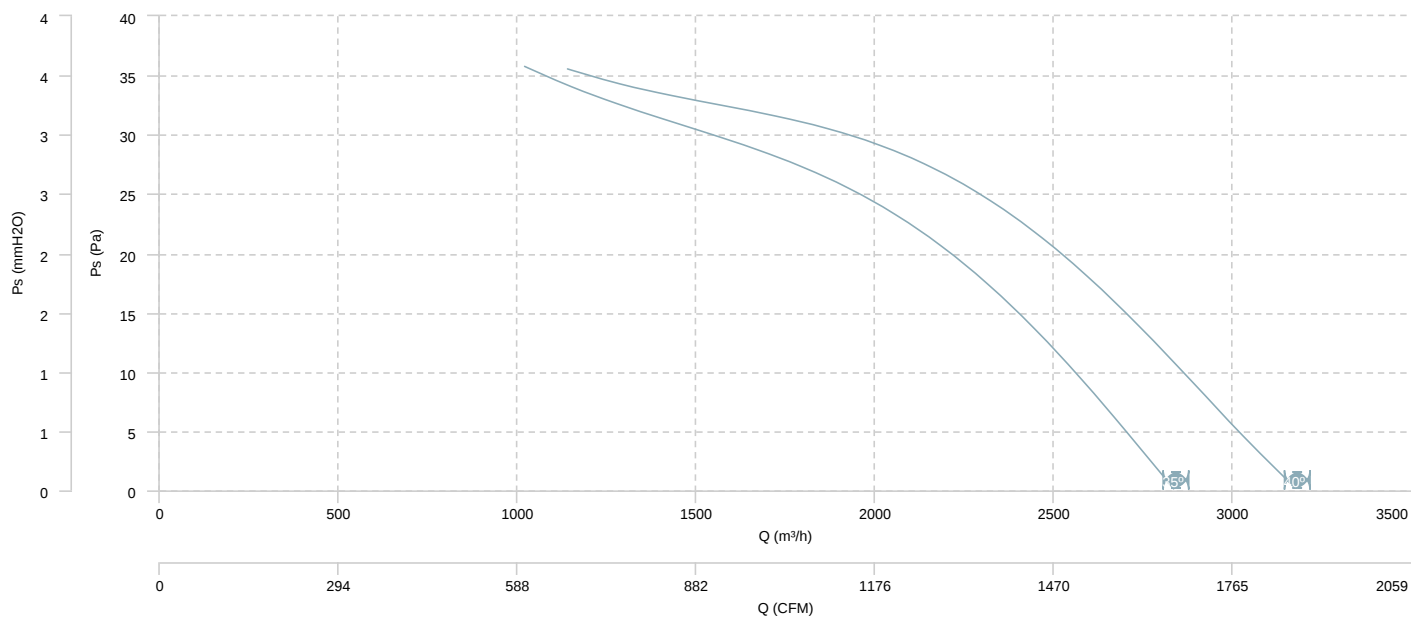


AIR FLOW - MECHANICAL POWER (4 poles)

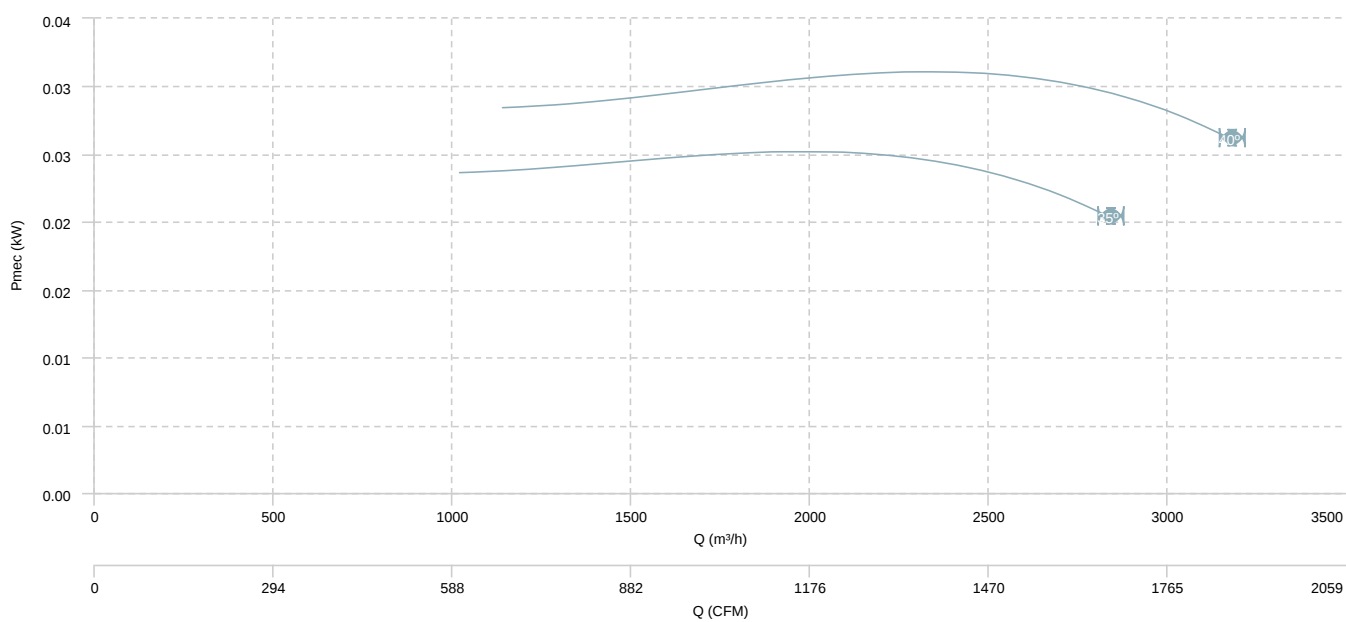


BOX HBA 45 T4/T8 (A0:6)

AIR FLOW - PRESSURE (8 poles)

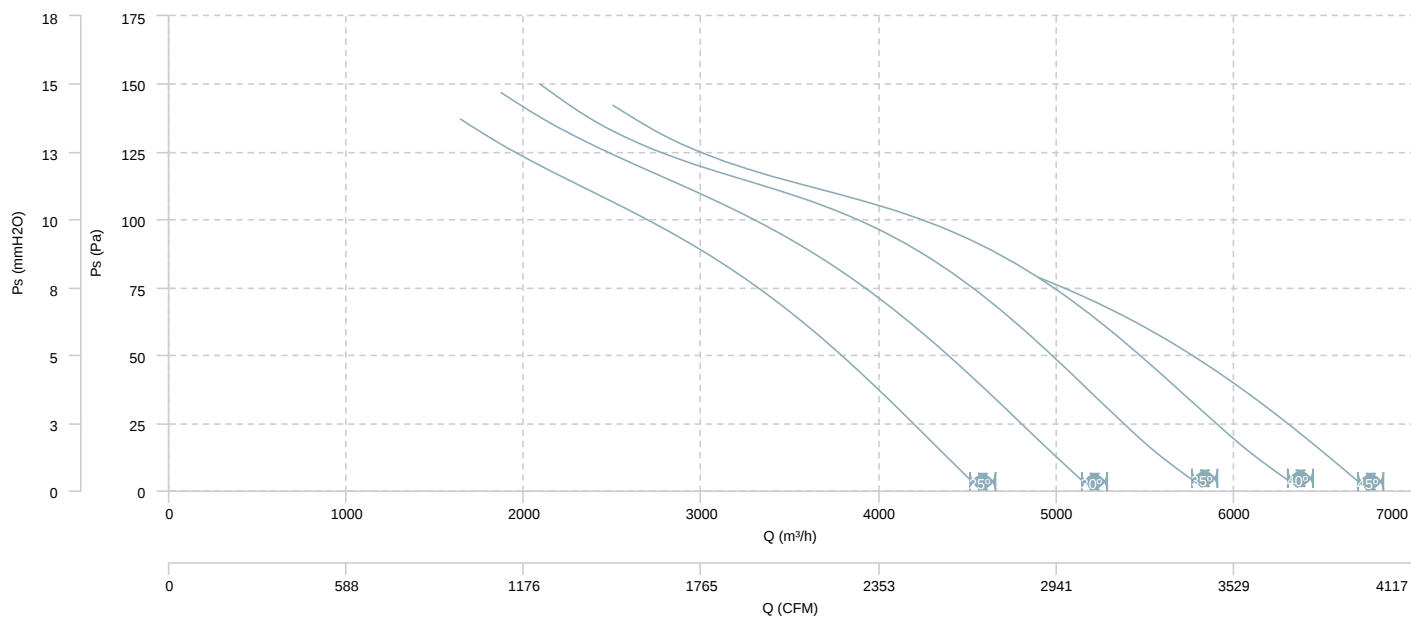


AIR FLOW - MECHANICAL POWER (8 poles)

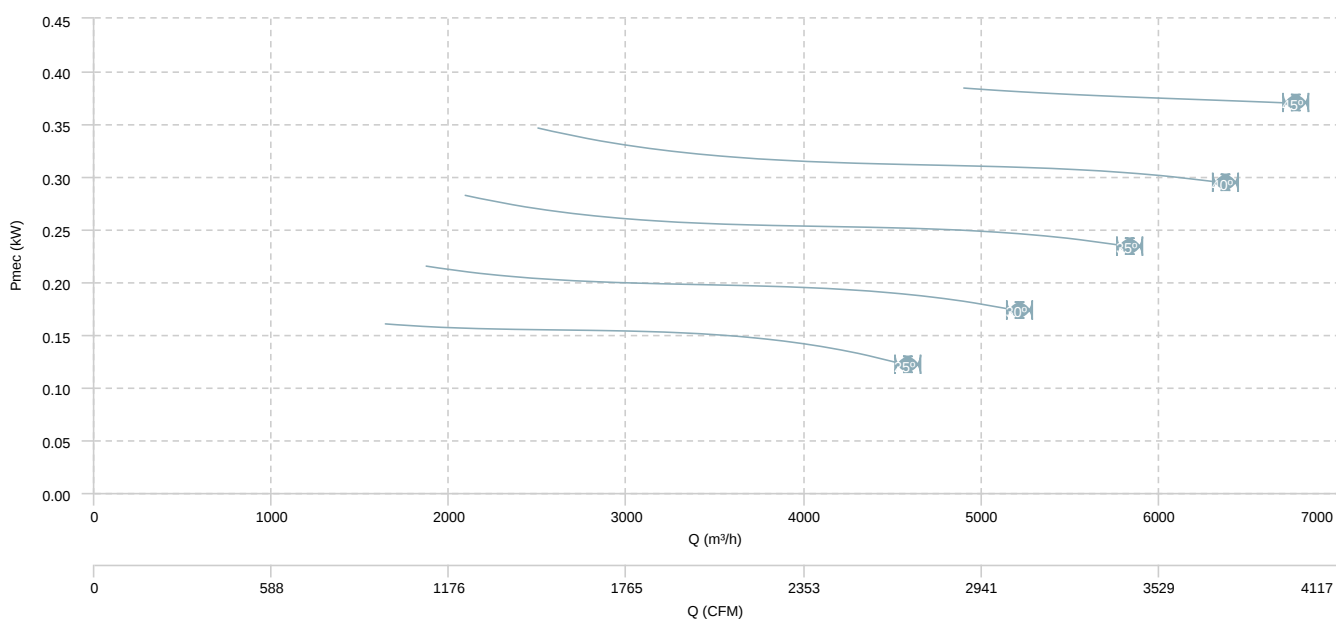


BOX HBA 45 T4/T8 (A5:6)

AIR FLOW - PRESSURE (4 poles)

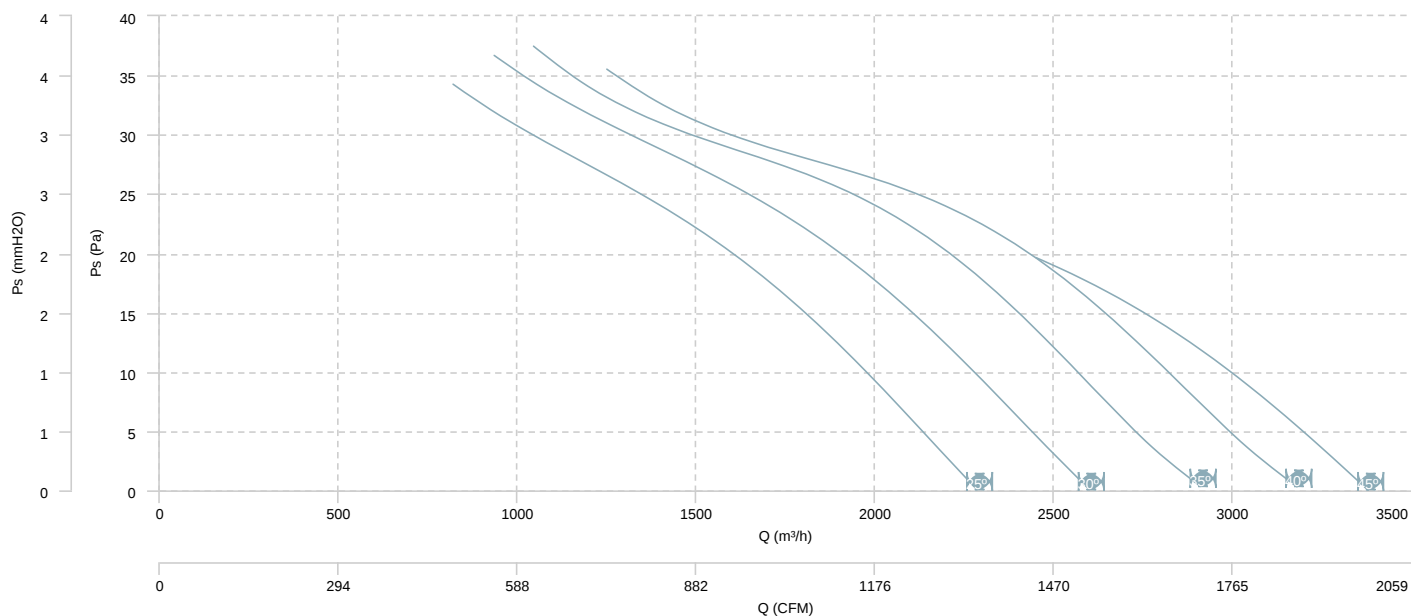


AIR FLOW - MECHANICAL POWER (4 poles)

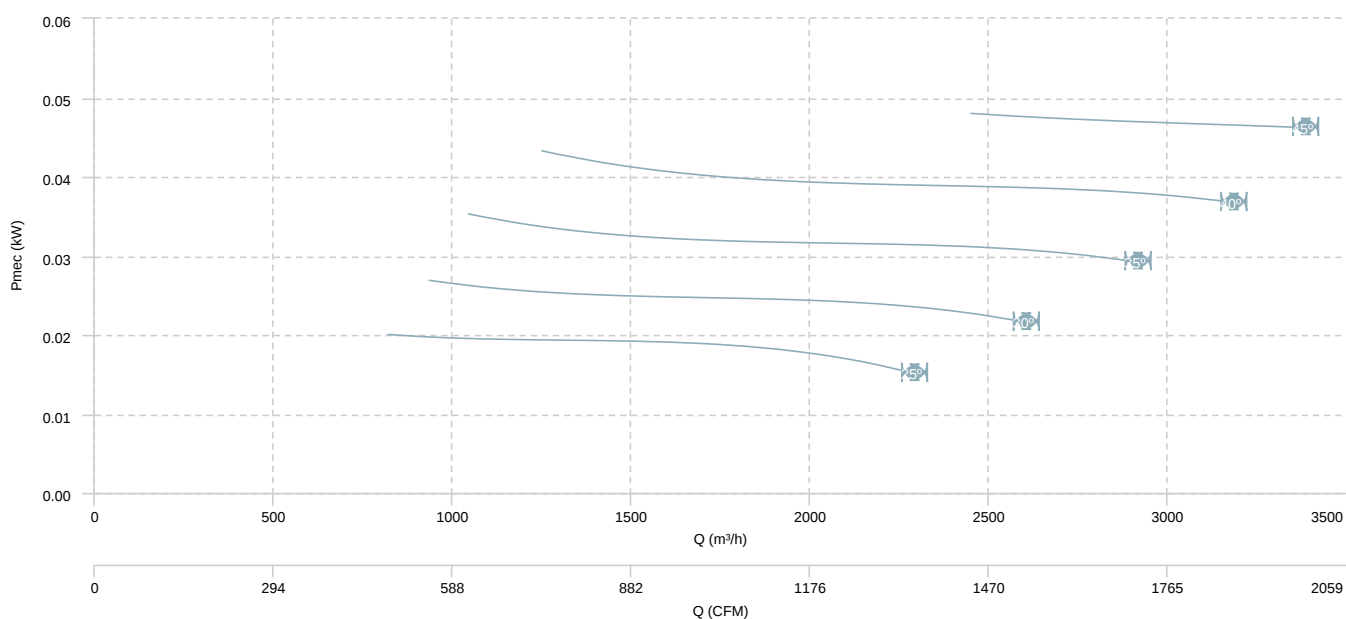


BOX HBA 45 T4/T8 (A5:6)

AIR FLOW - PRESSURE (8 poles)

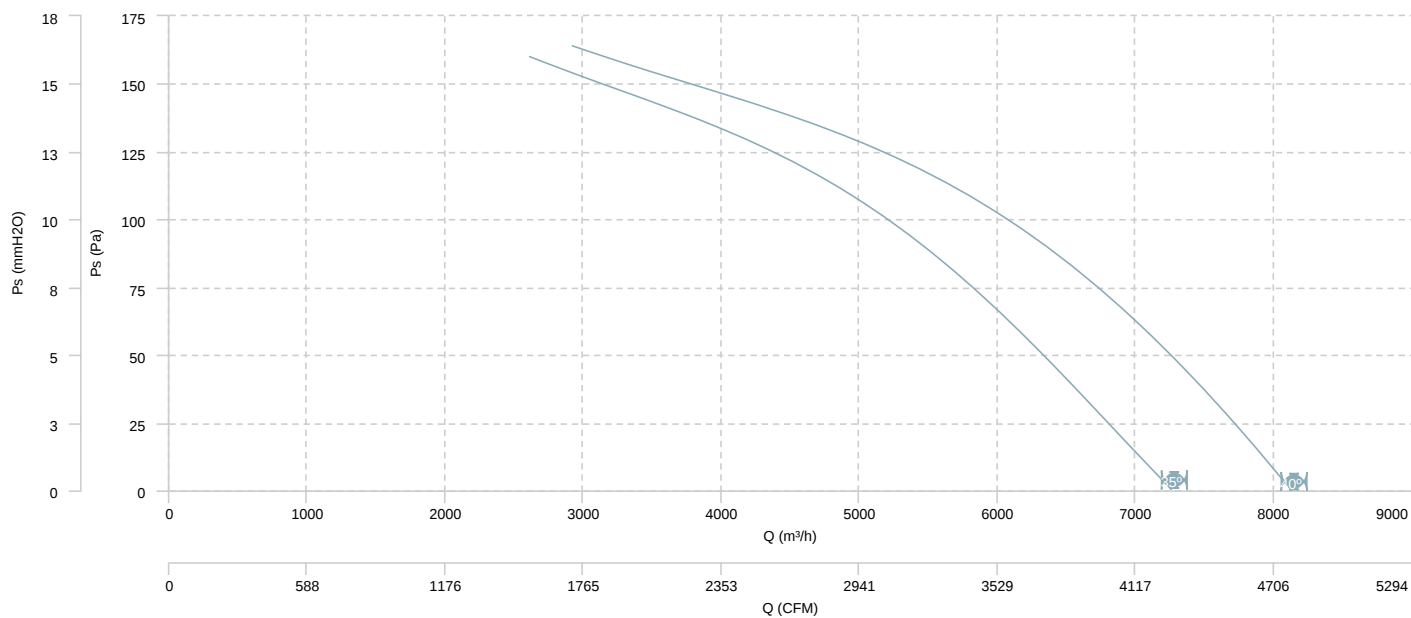


AIR FLOW - MECHANICAL POWER (8 poles)

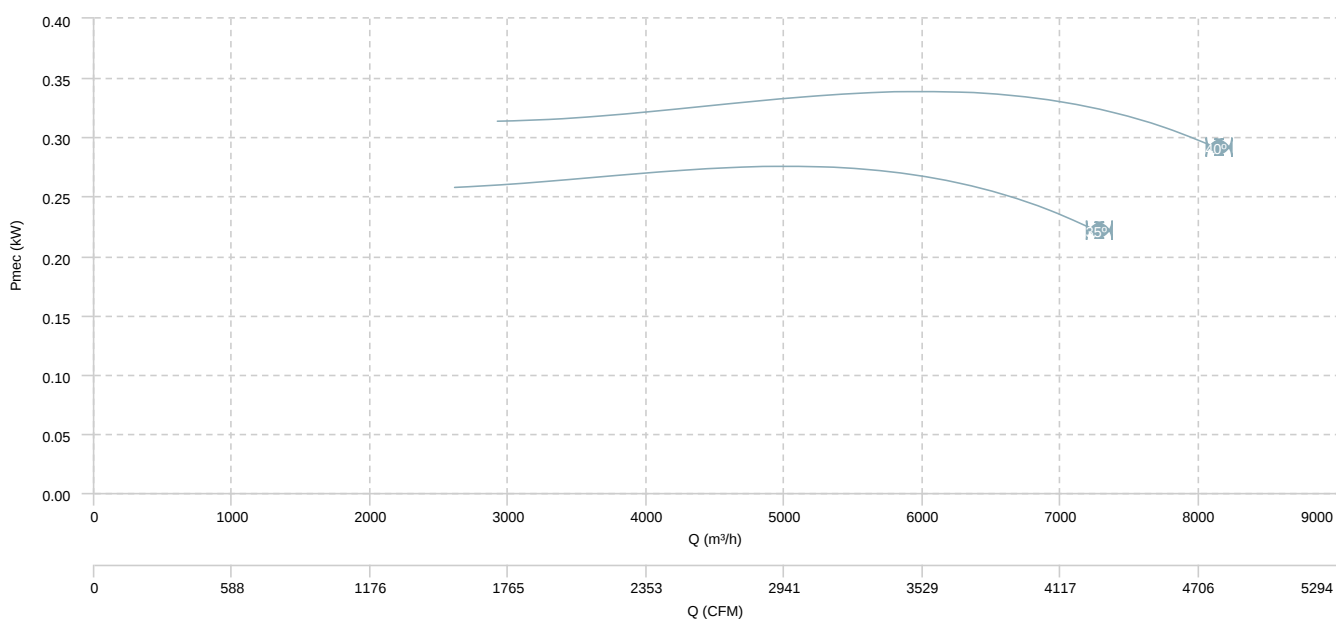


BOX HBA 50 T4 (A0:6)

AIR FLOW - PRESSURE

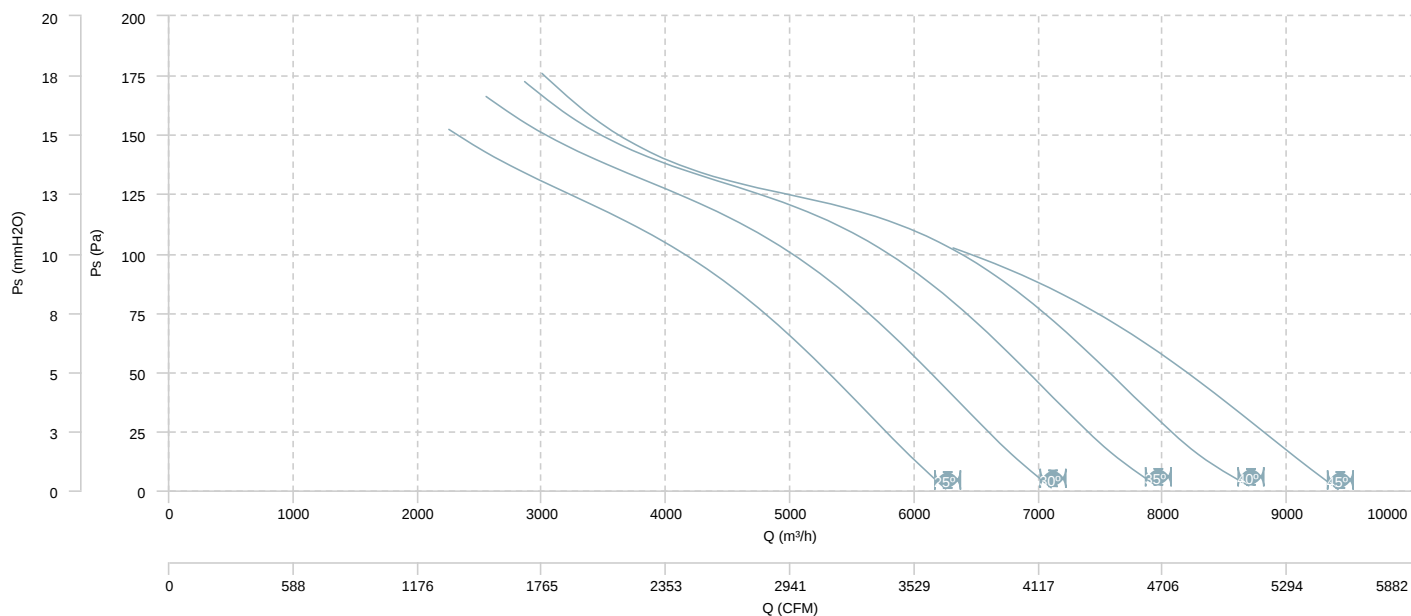


AIR FLOW - MECHANICAL POWER

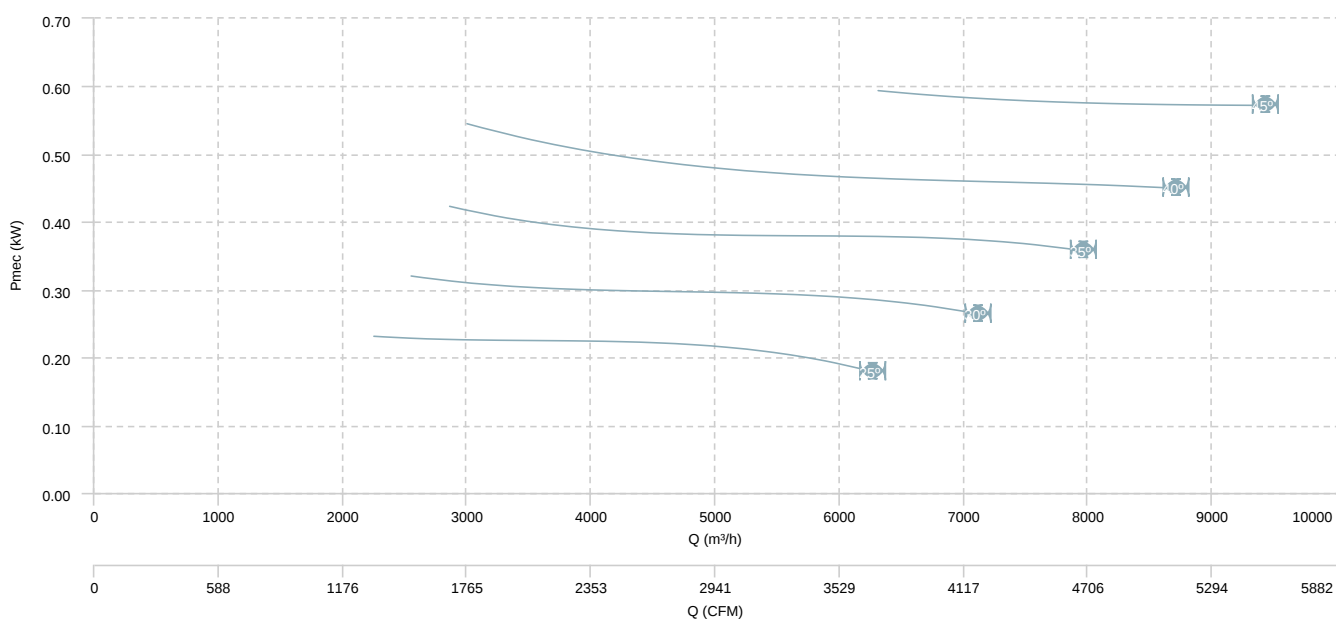


BOX HBA 50 T4 (A5:6)

AIR FLOW - PRESSURE

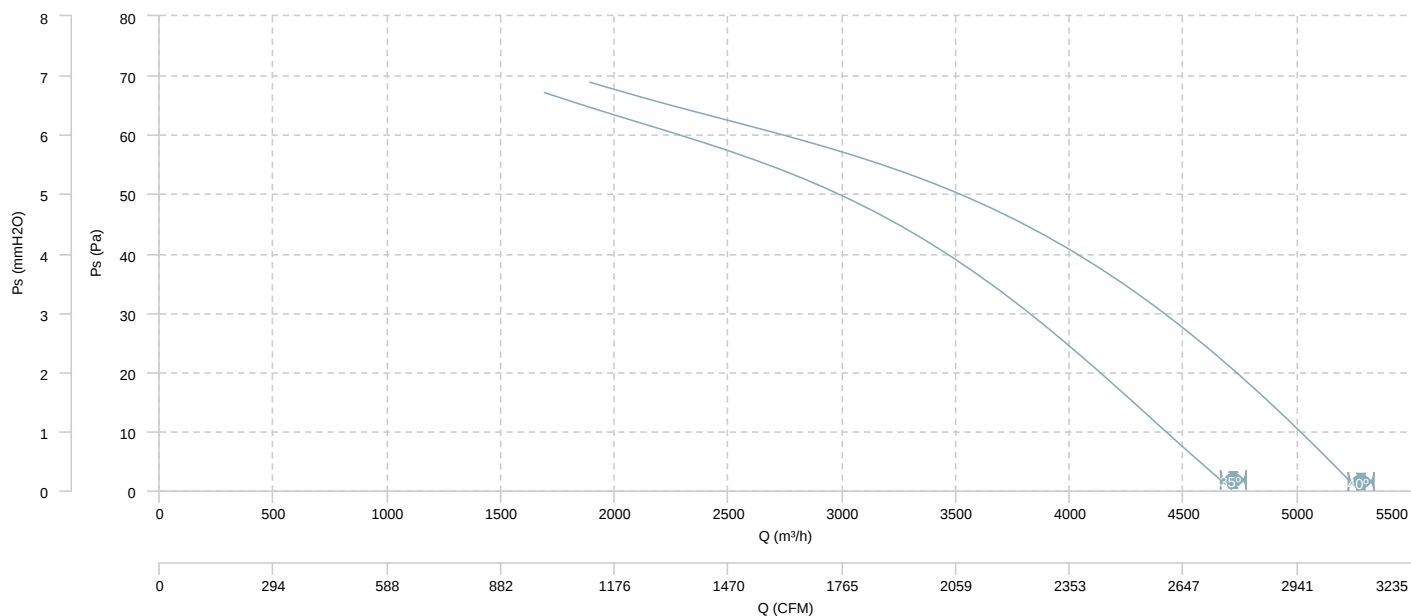


AIR FLOW - MECHANICAL POWER

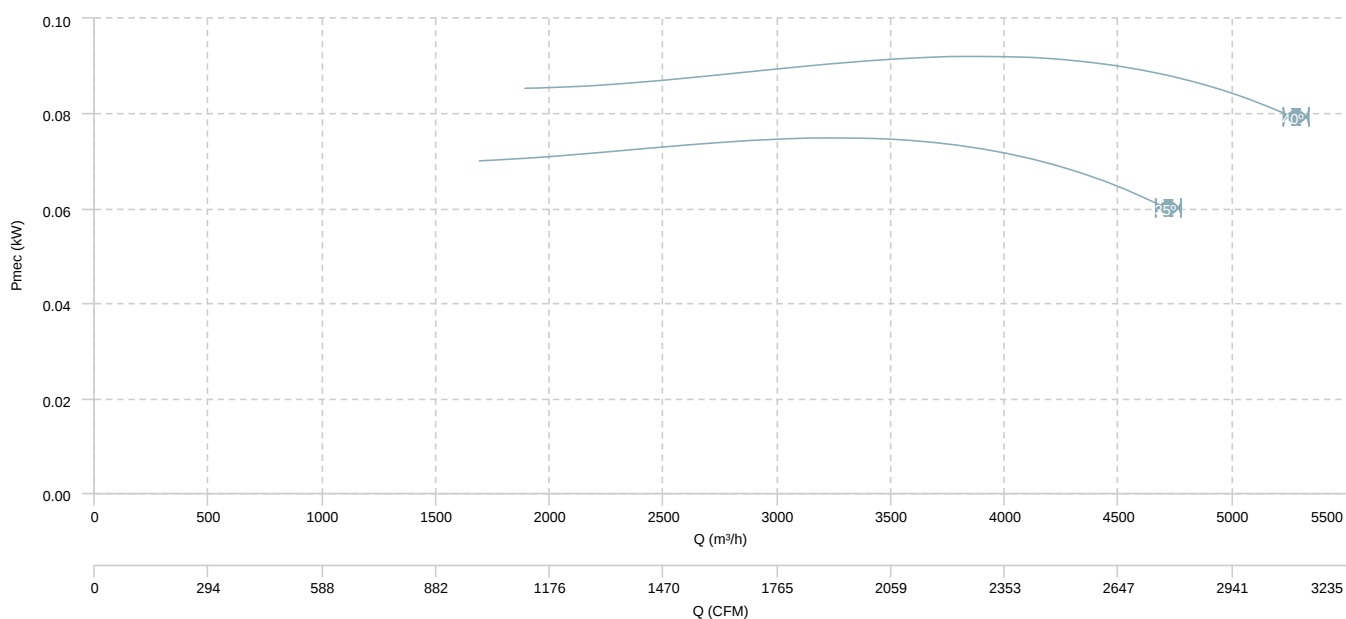


BOX HBA 50 T6 (A0:6)

AIR FLOW - PRESSURE

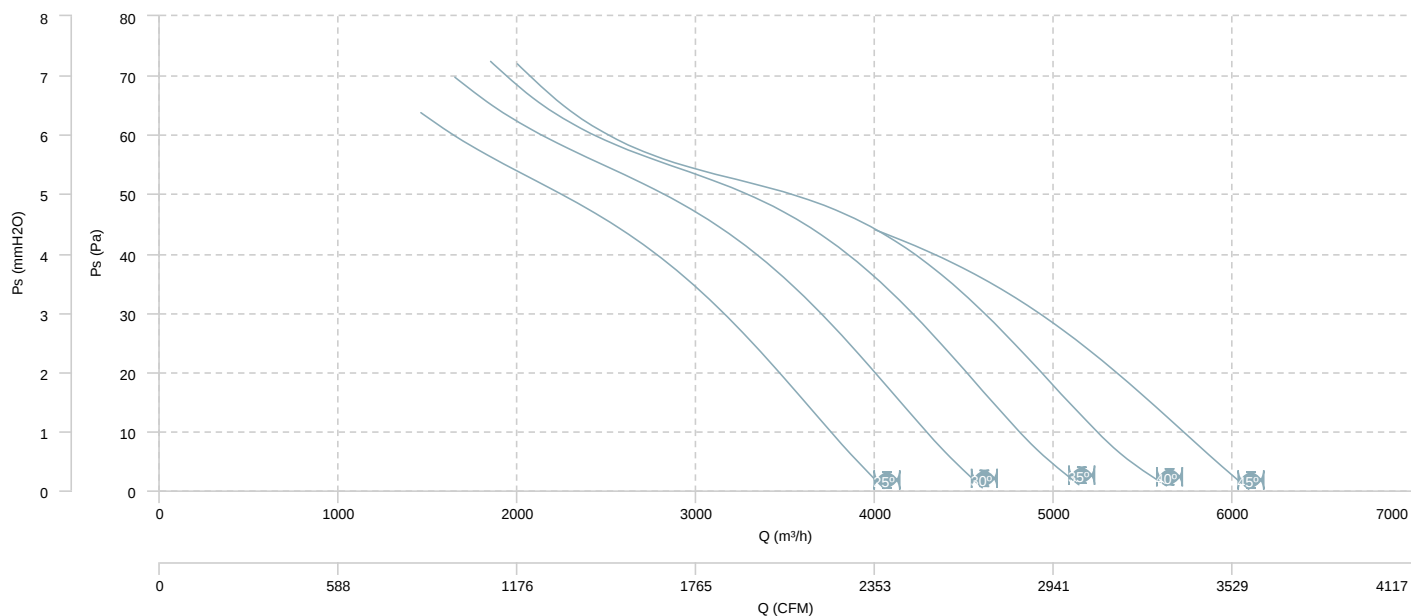


AIR FLOW - MECHANICAL POWER

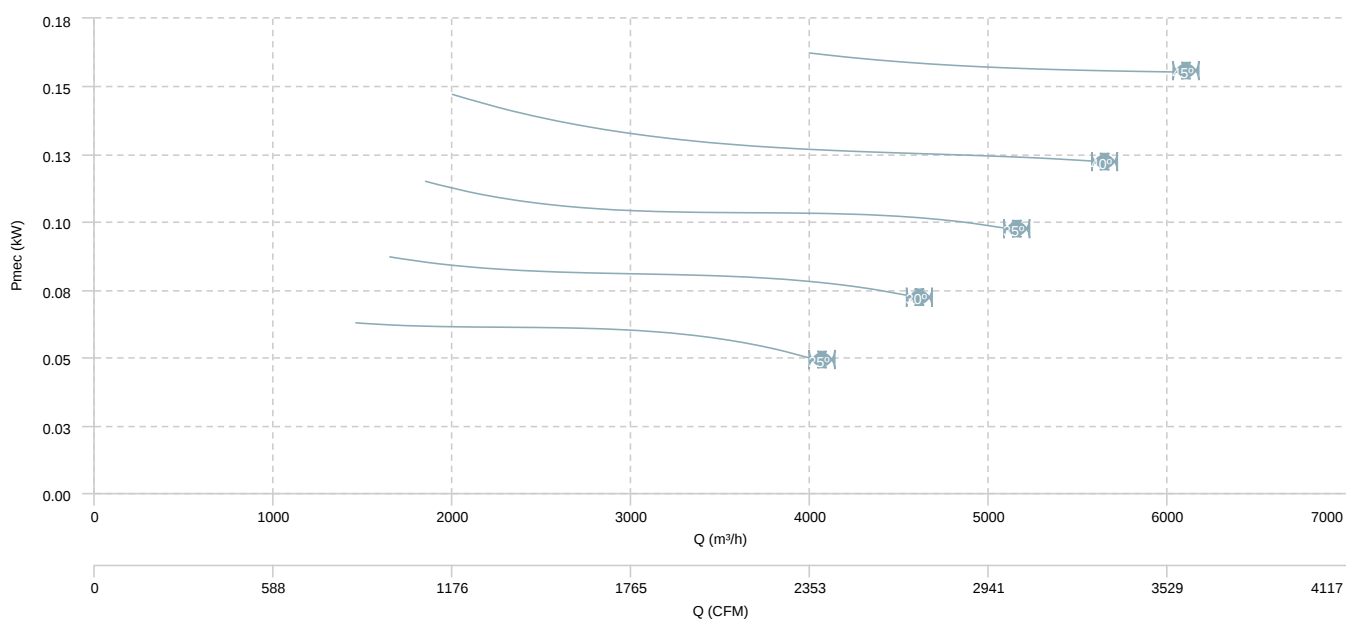


BOX HBA 50 T6 (A5:6)

AIR FLOW - PRESSURE

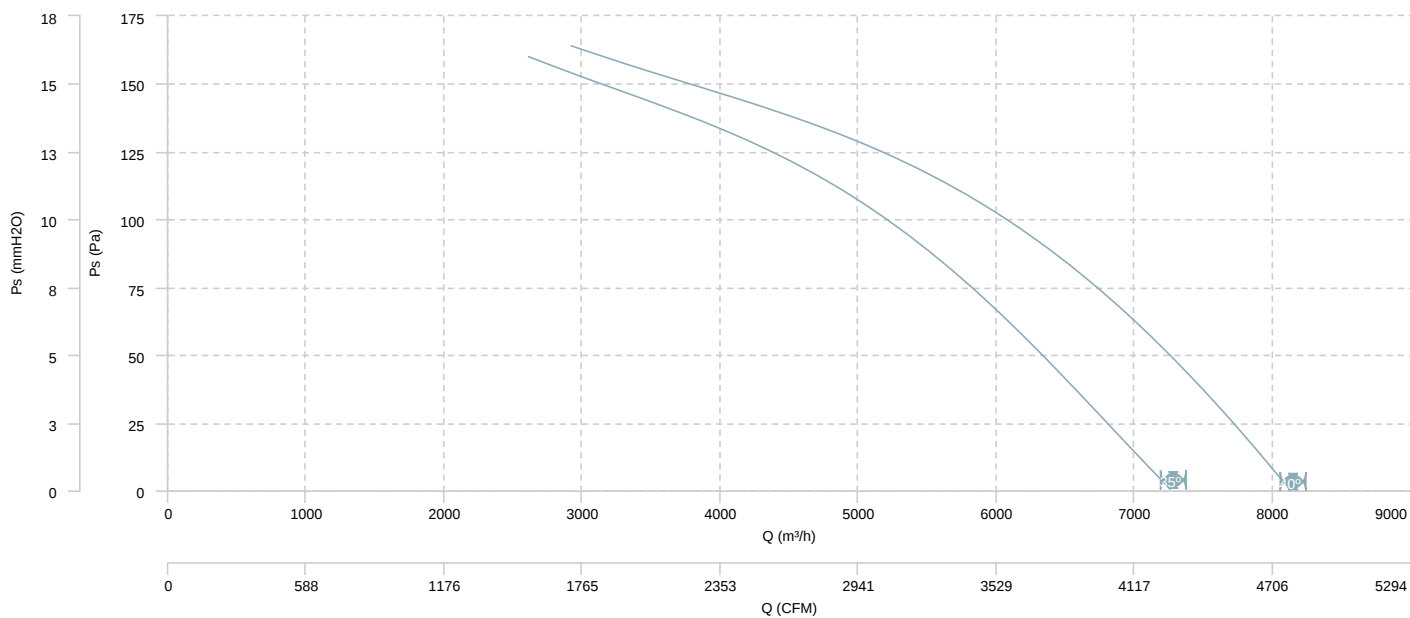


AIR FLOW - MECHANICAL POWER

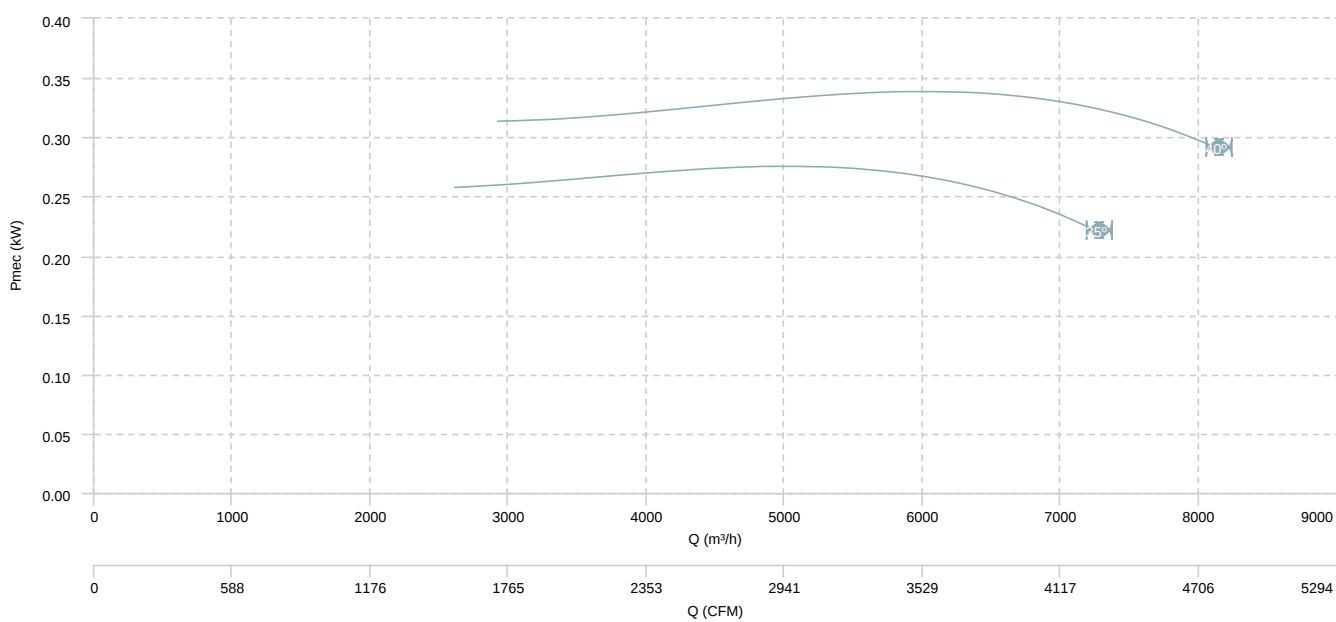


BOX HBA 50 T4/T8 (A0:6)

AIR FLOW - PRESSURE (4 poles)

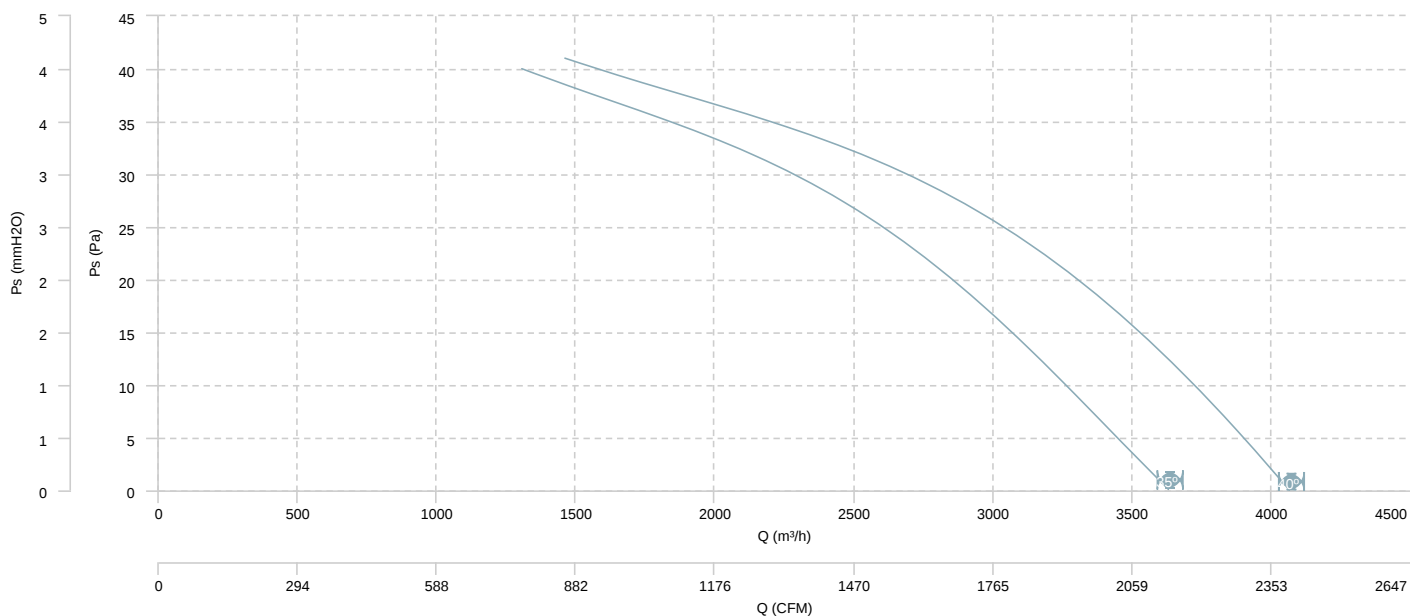


AIR FLOW - MECHANICAL POWER (4 poles)

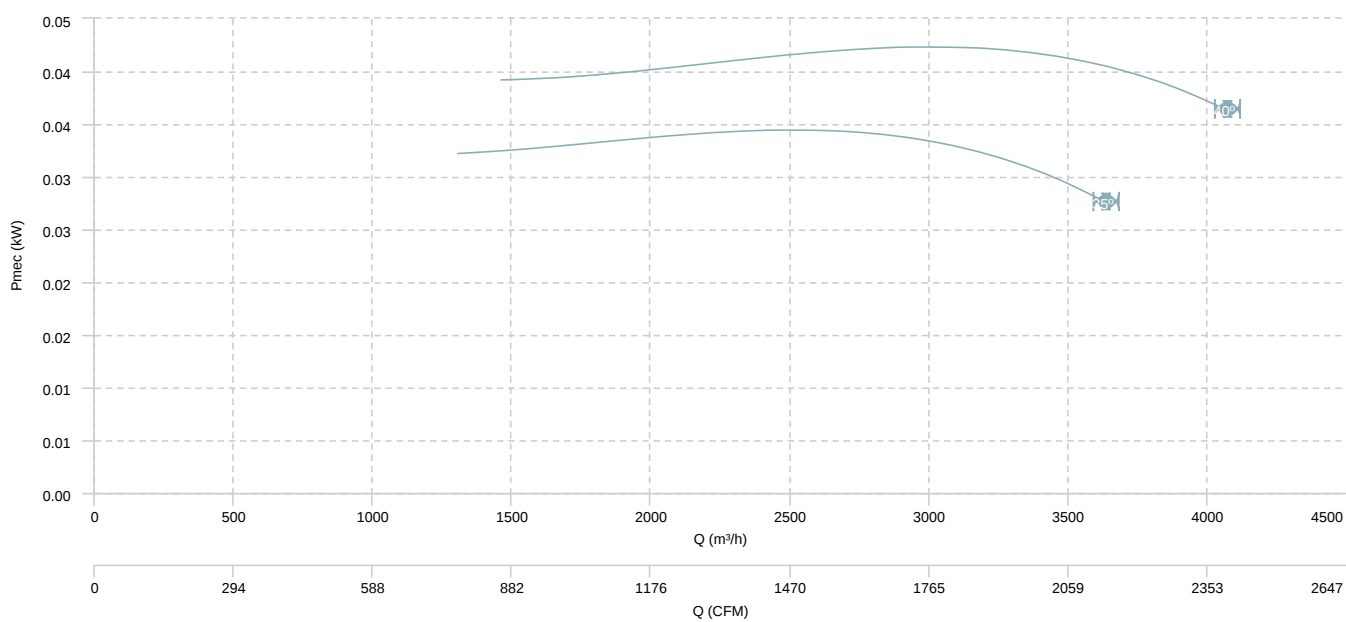


BOX HBA 50 T4/T8 (A0:6)

AIR FLOW - PRESSURE (8 poles)

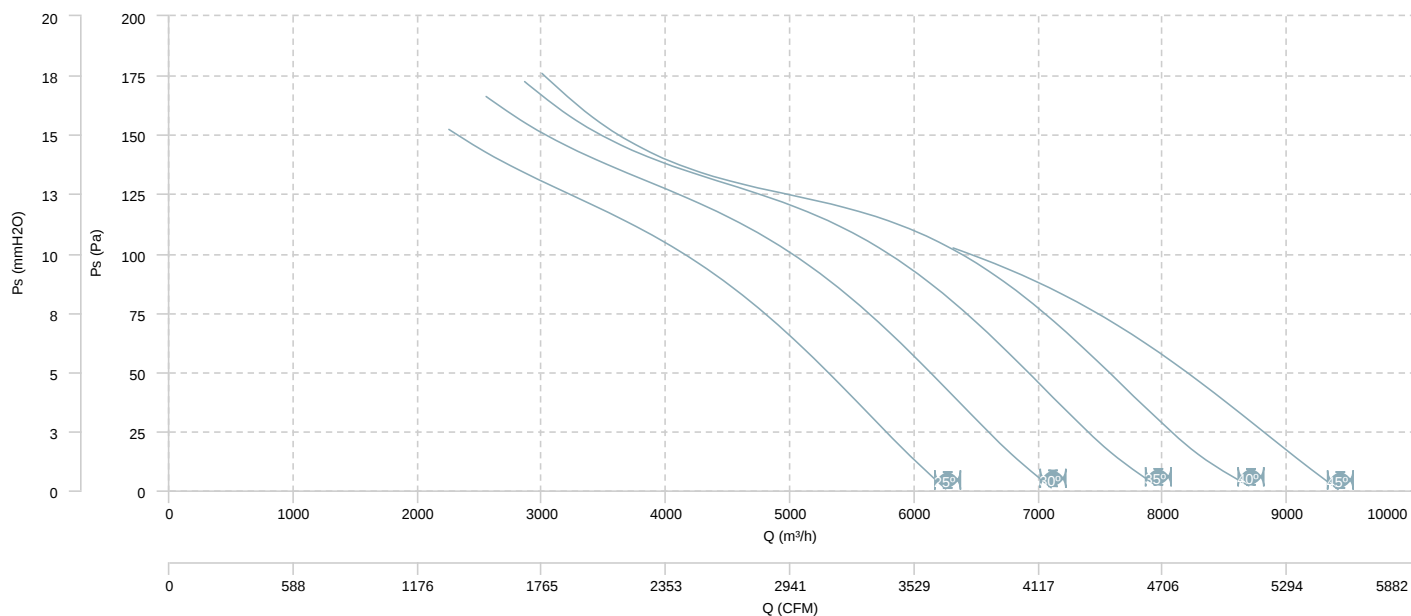


AIR FLOW - MECHANICAL POWER (8 poles)

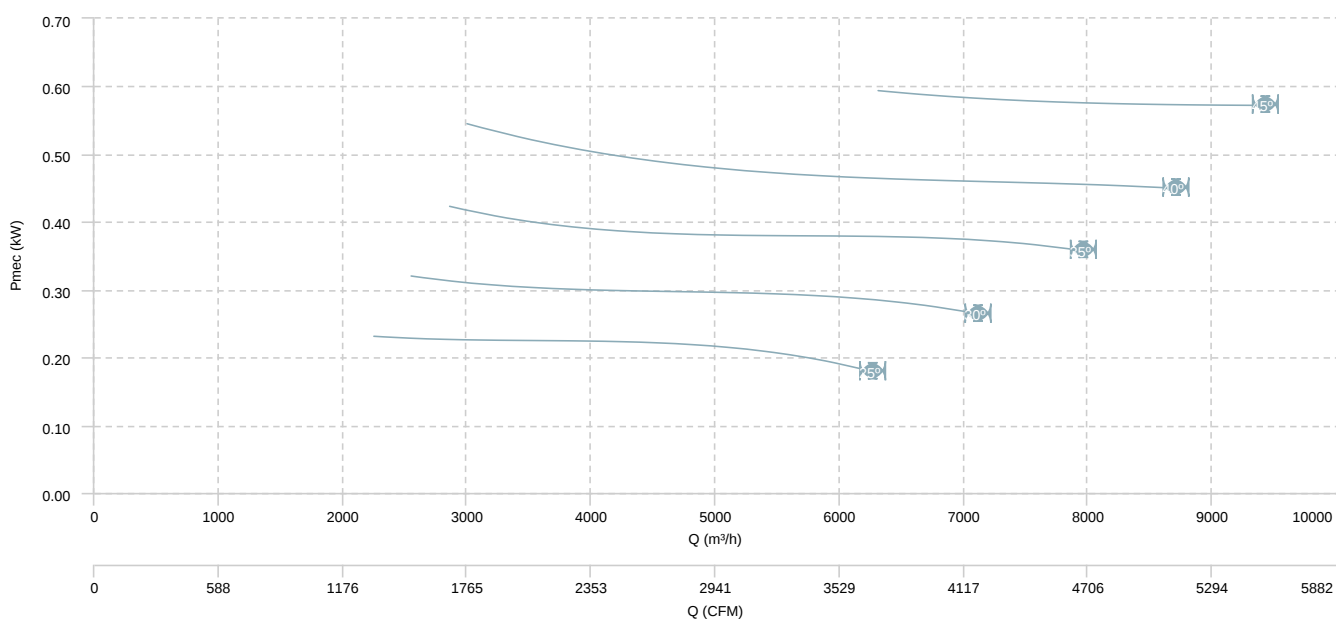


BOX HBA 50 T4/T8 (A5:6)

AIR FLOW - PRESSURE (4 poles)

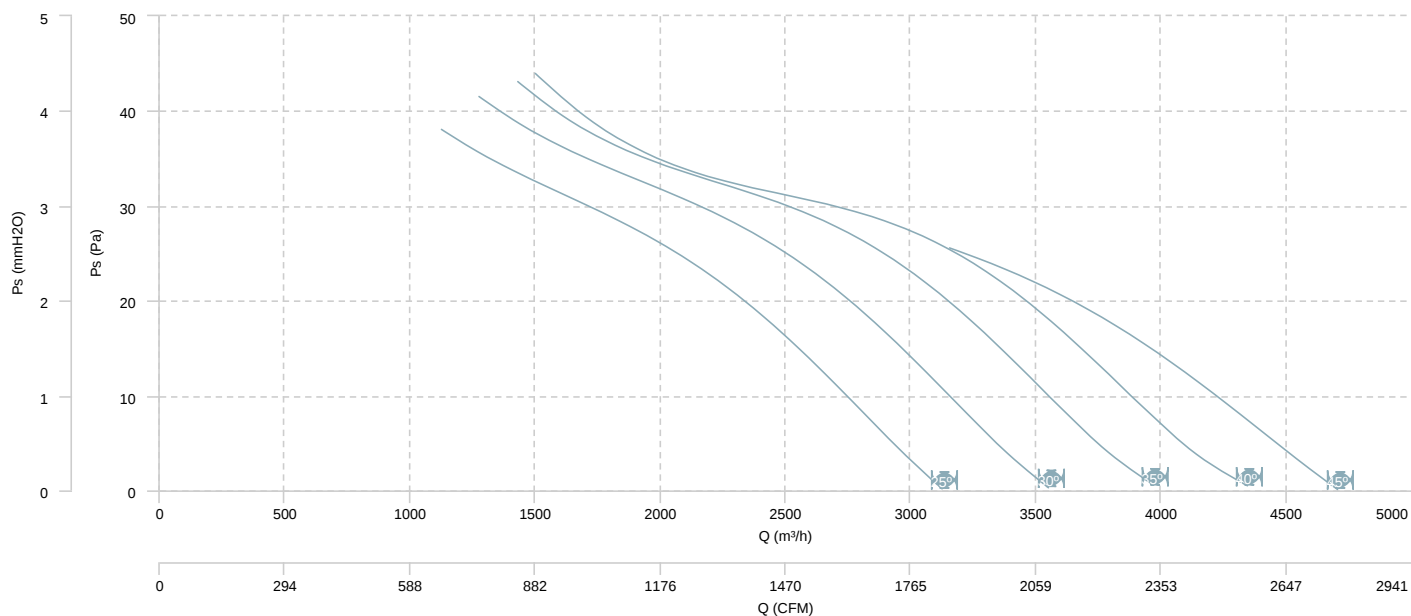


AIR FLOW - MECHANICAL POWER (4 poles)

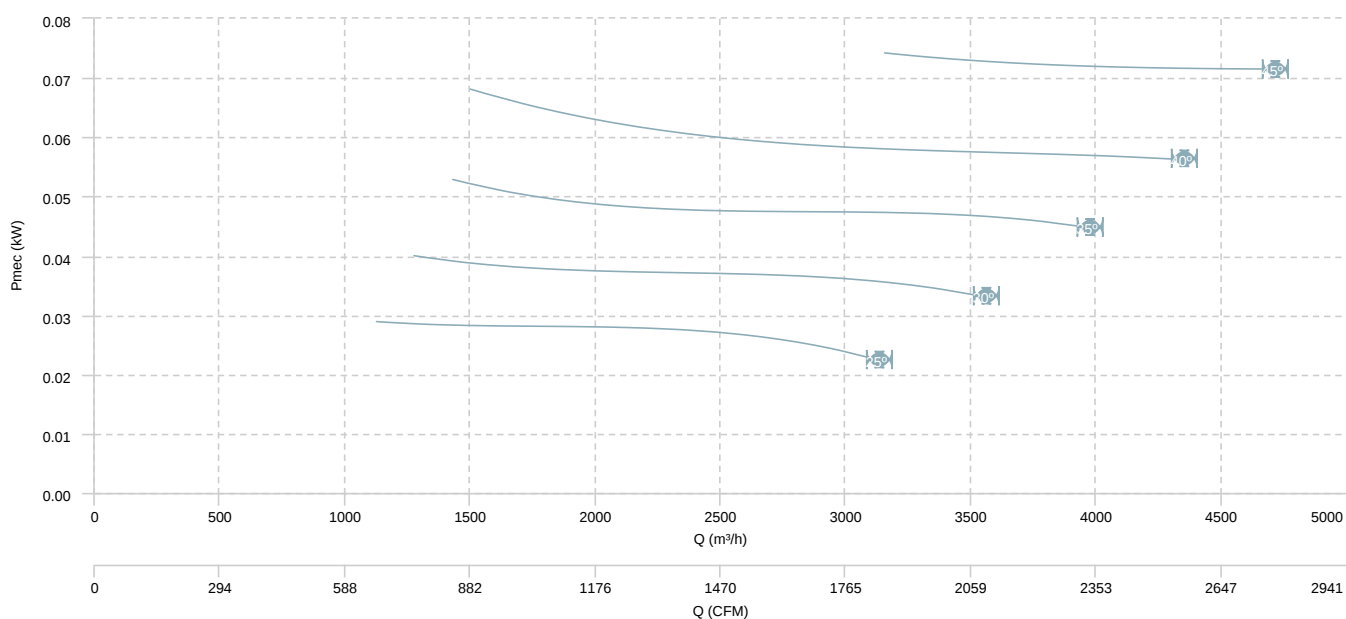


BOX HBA 50 T4/T8 (A5:6)

AIR FLOW - PRESSURE (8 poles)

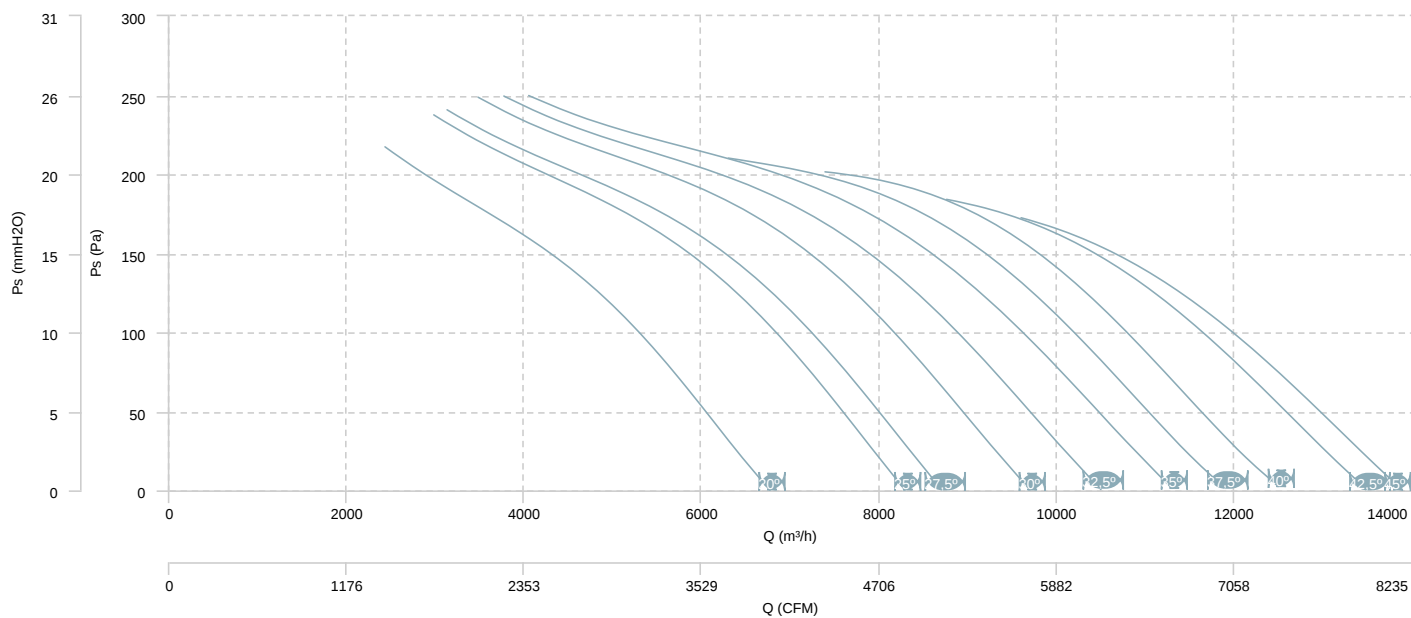


AIR FLOW - MECHANICAL POWER (8 poles)

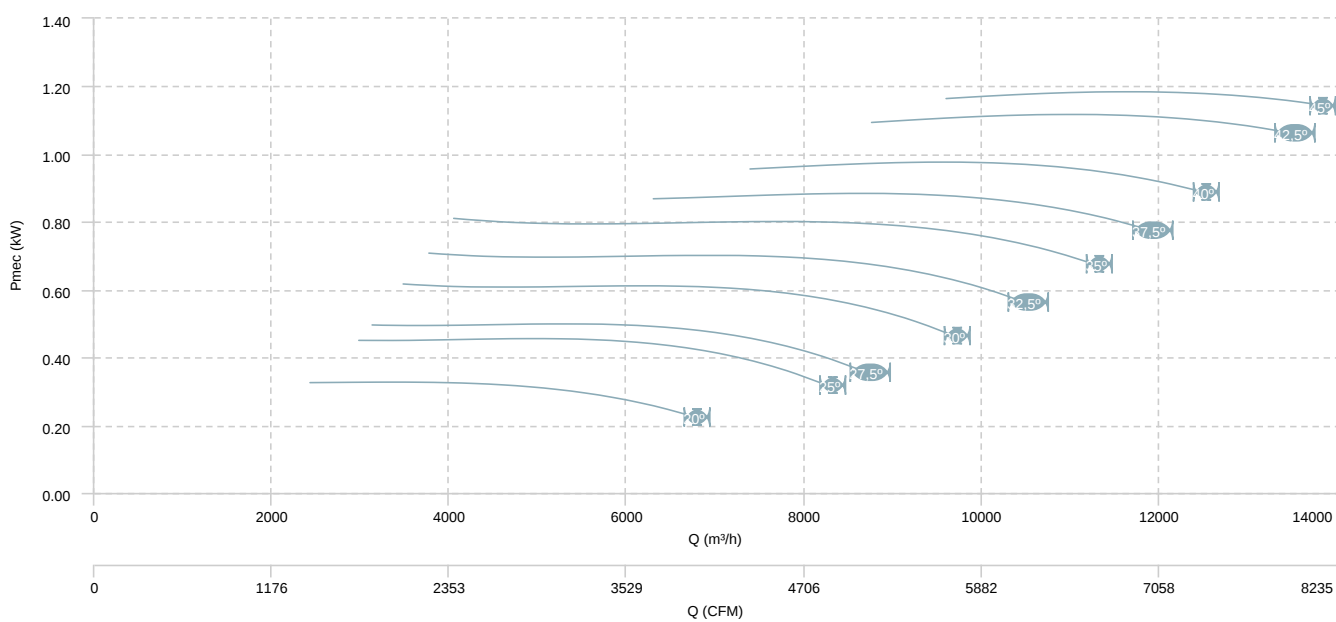


BOX HBA 56 T4 (A2:6)

AIR FLOW - PRESSURE

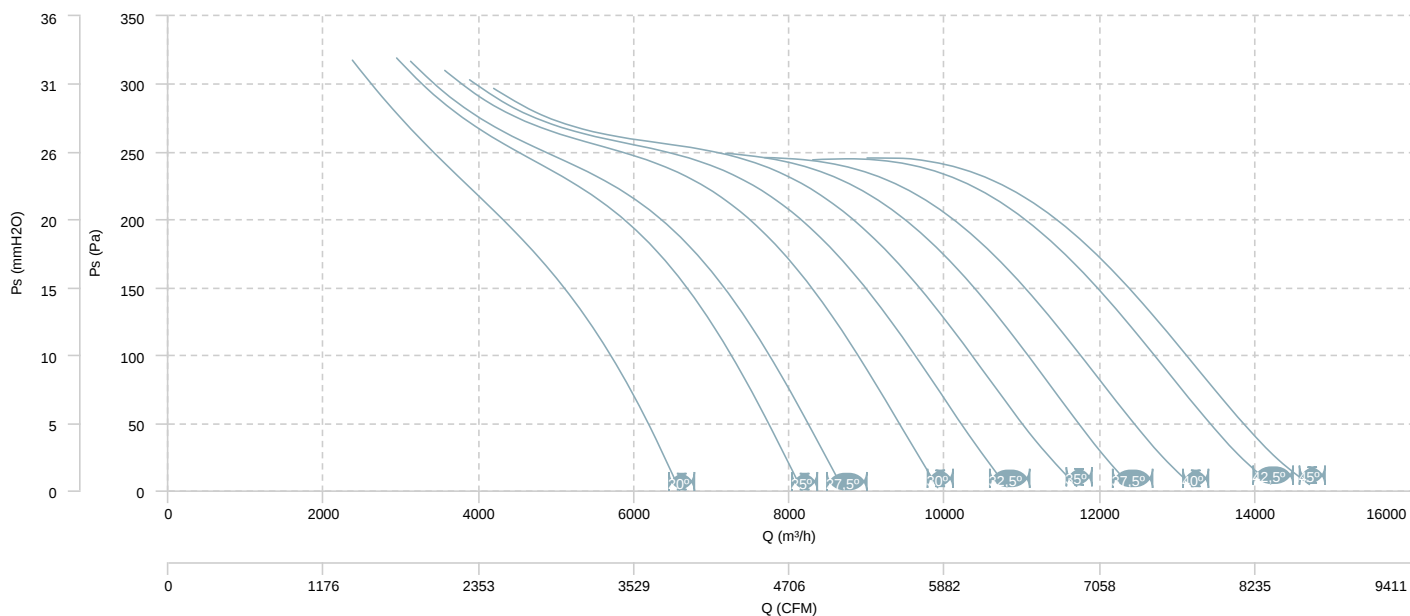


AIR FLOW - MECHANICAL POWER

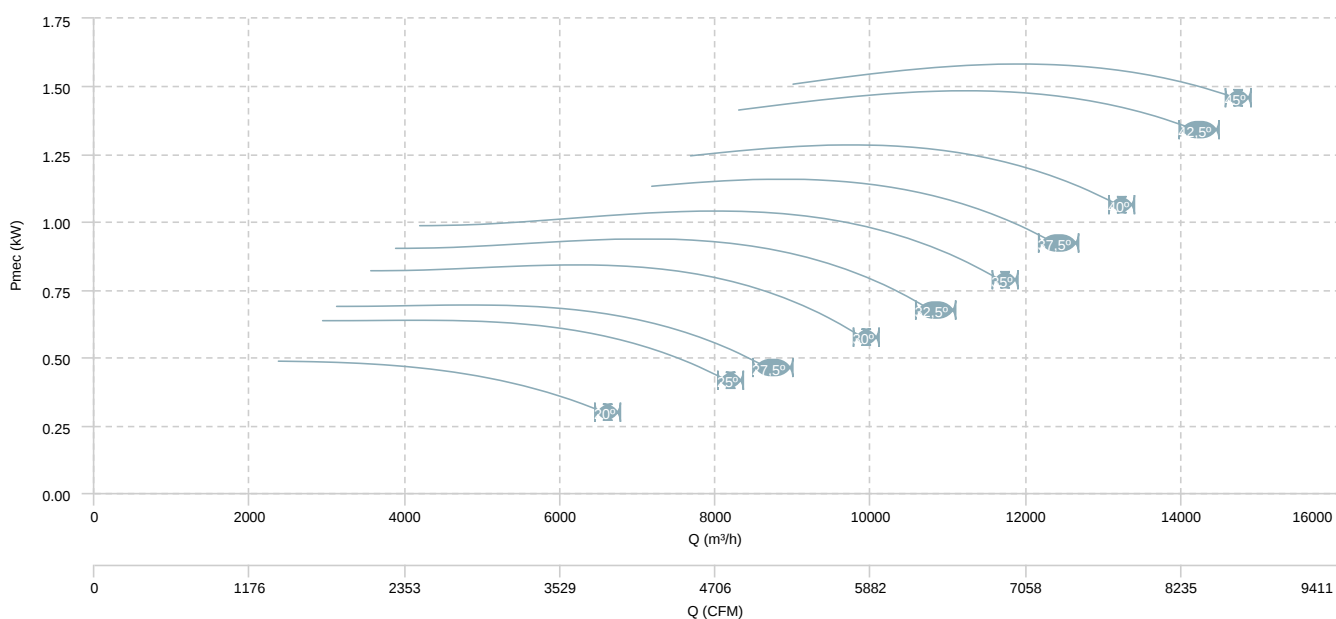


BOX HBA 56 T4 (A2:9)

AIR FLOW - PRESSURE

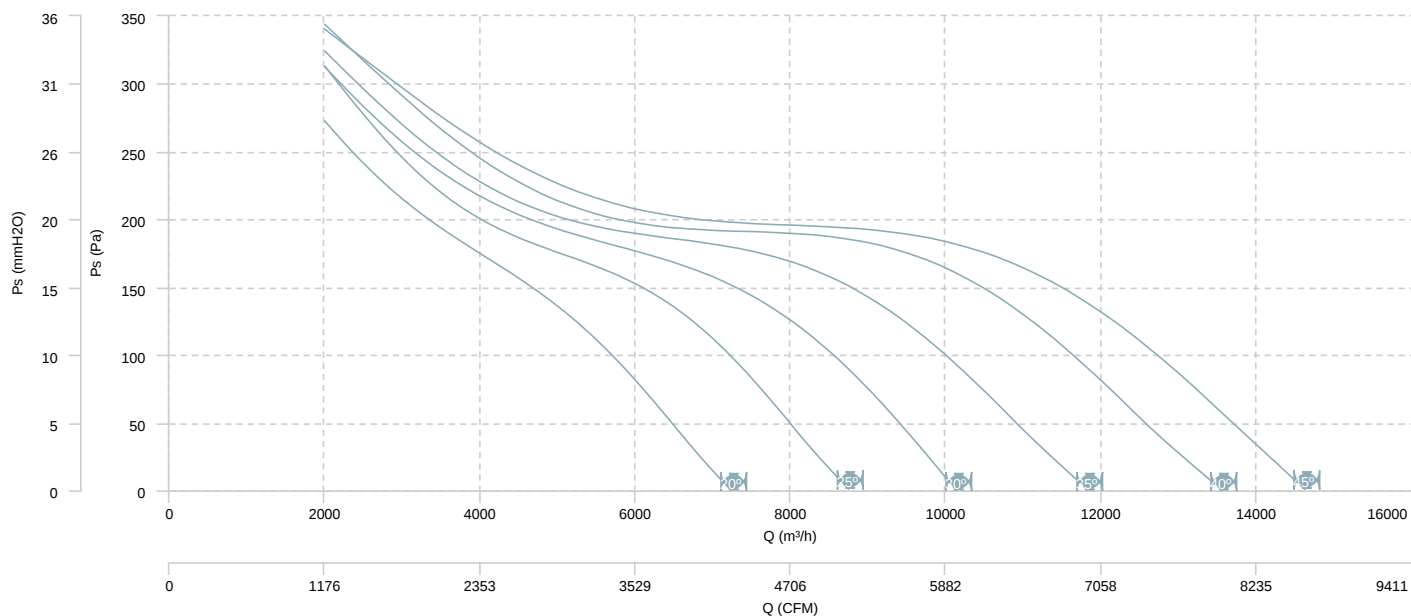


AIR FLOW - MECHANICAL POWER

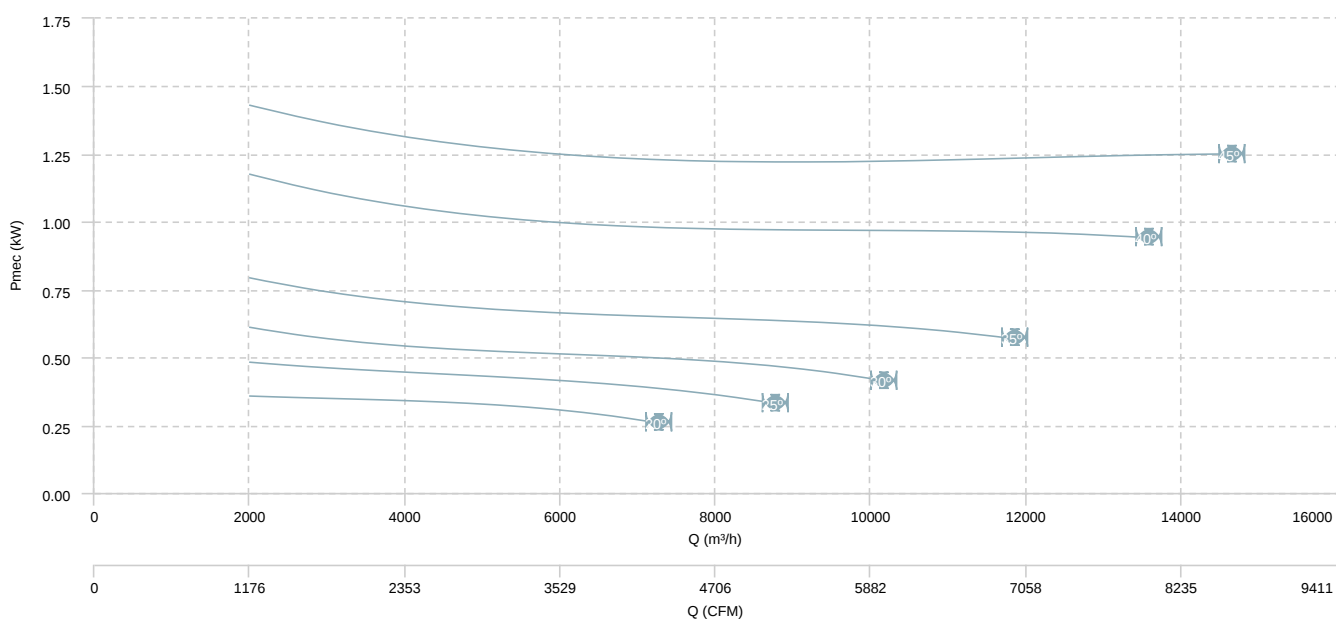


BOX HBA 56 T4 (A5:6)

AIR FLOW - PRESSURE

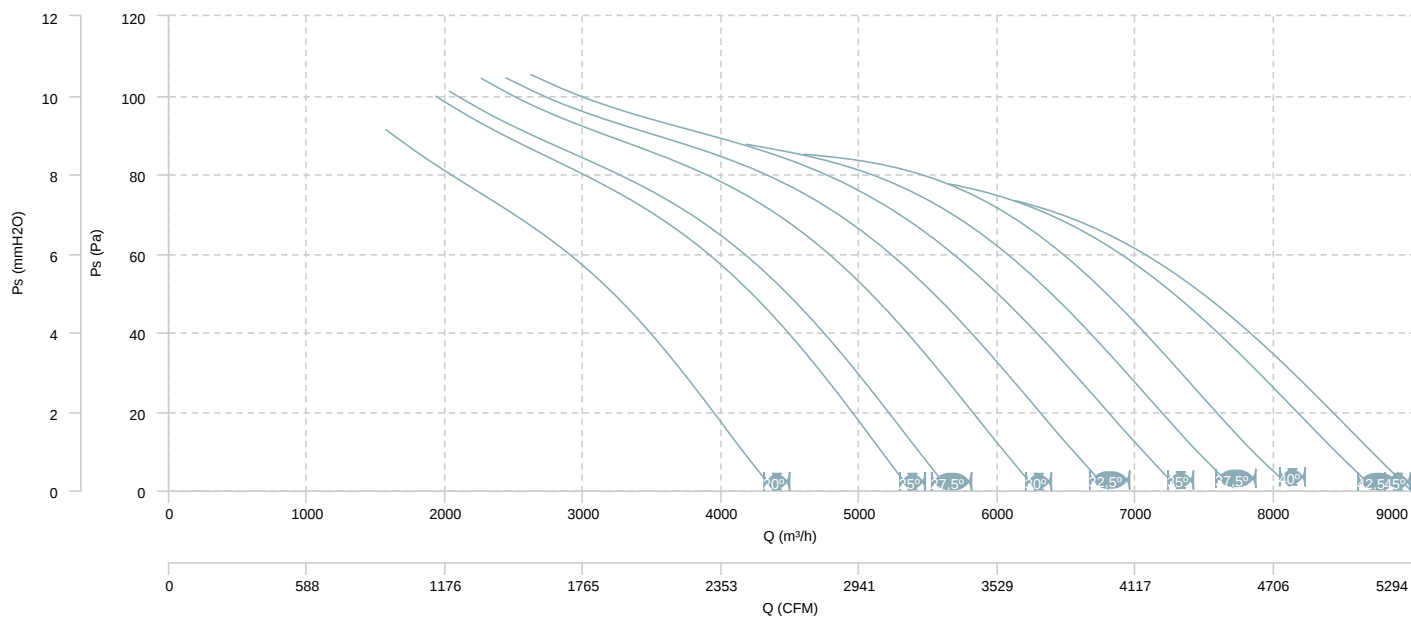


AIR FLOW - MECHANICAL POWER

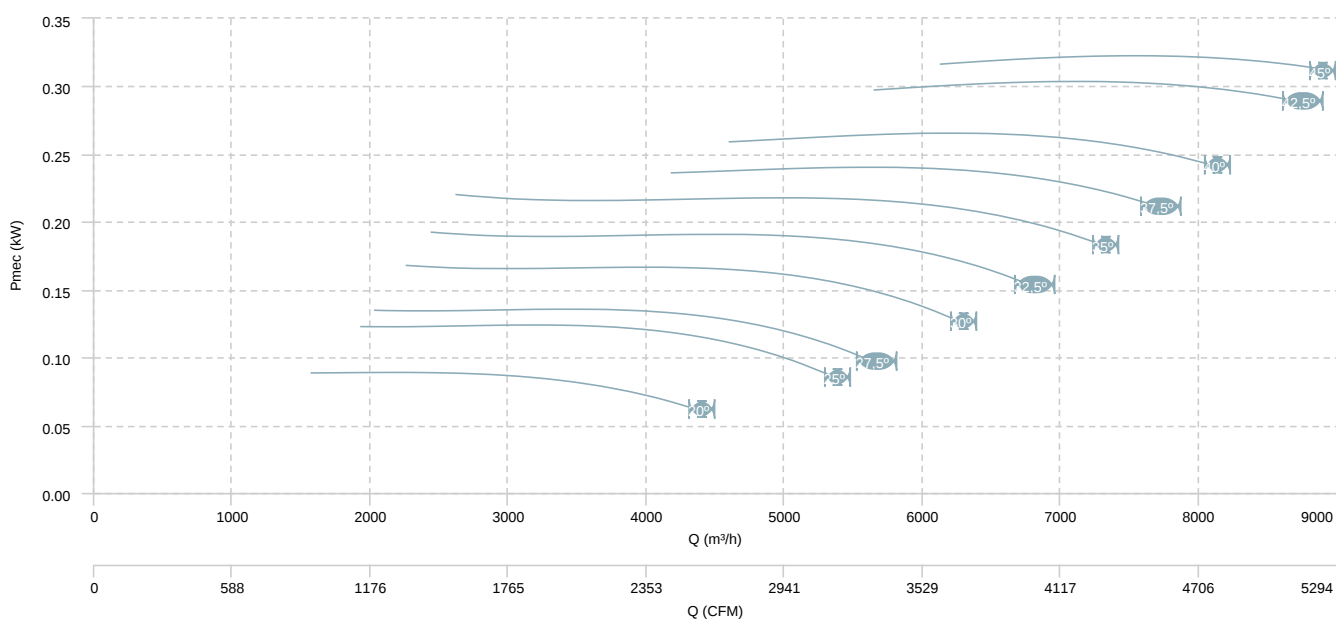


BOX HBA 56 T6 (A2:6)

AIR FLOW - PRESSURE

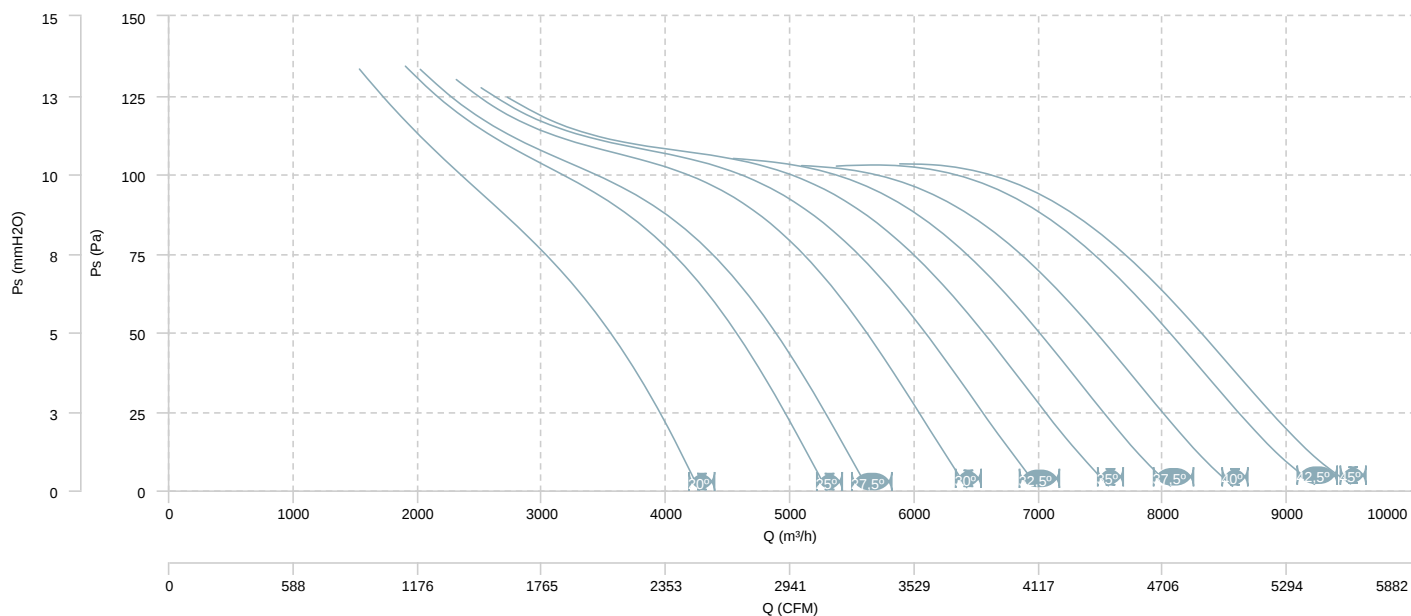


AIR FLOW - MECHANICAL POWER

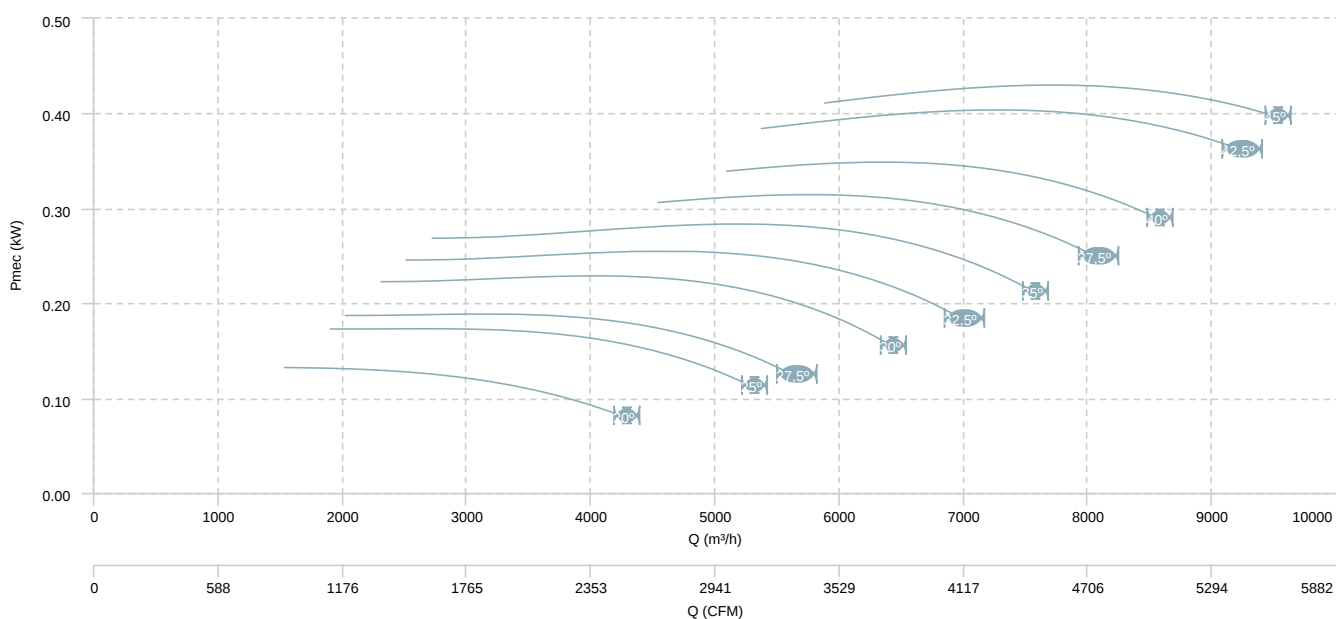


BOX HBA 56 T6 (A2:9)

AIR FLOW - PRESSURE

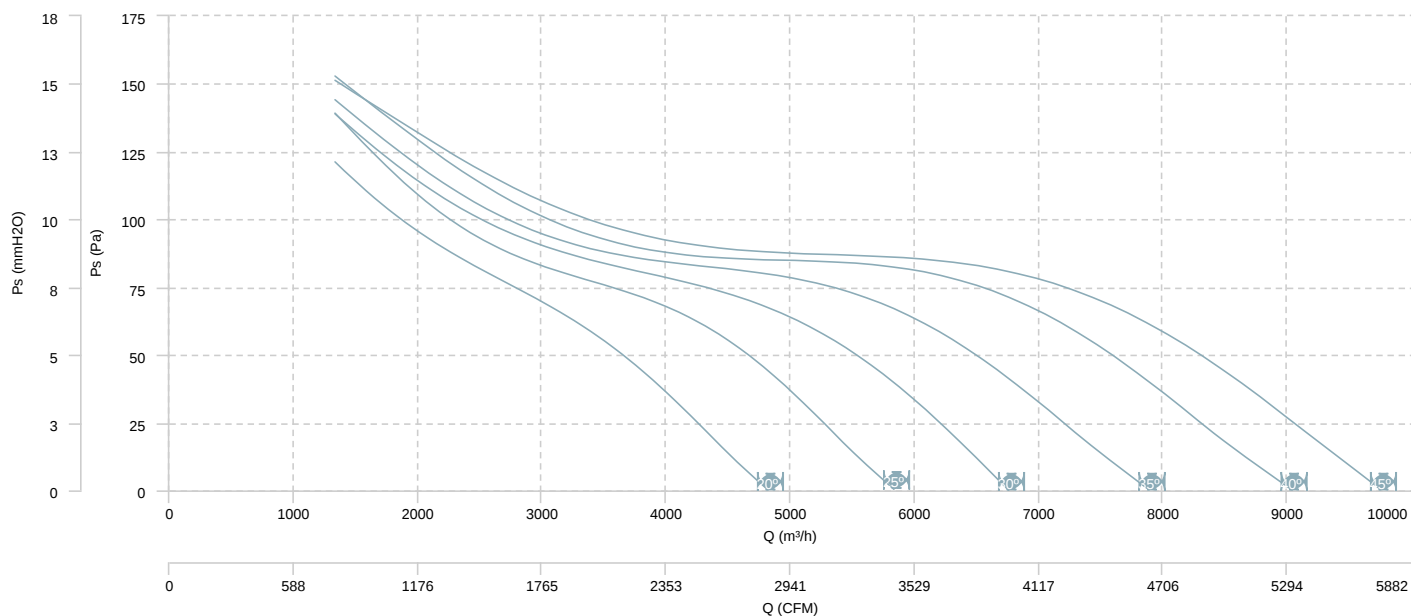


AIR FLOW - MECHANICAL POWER

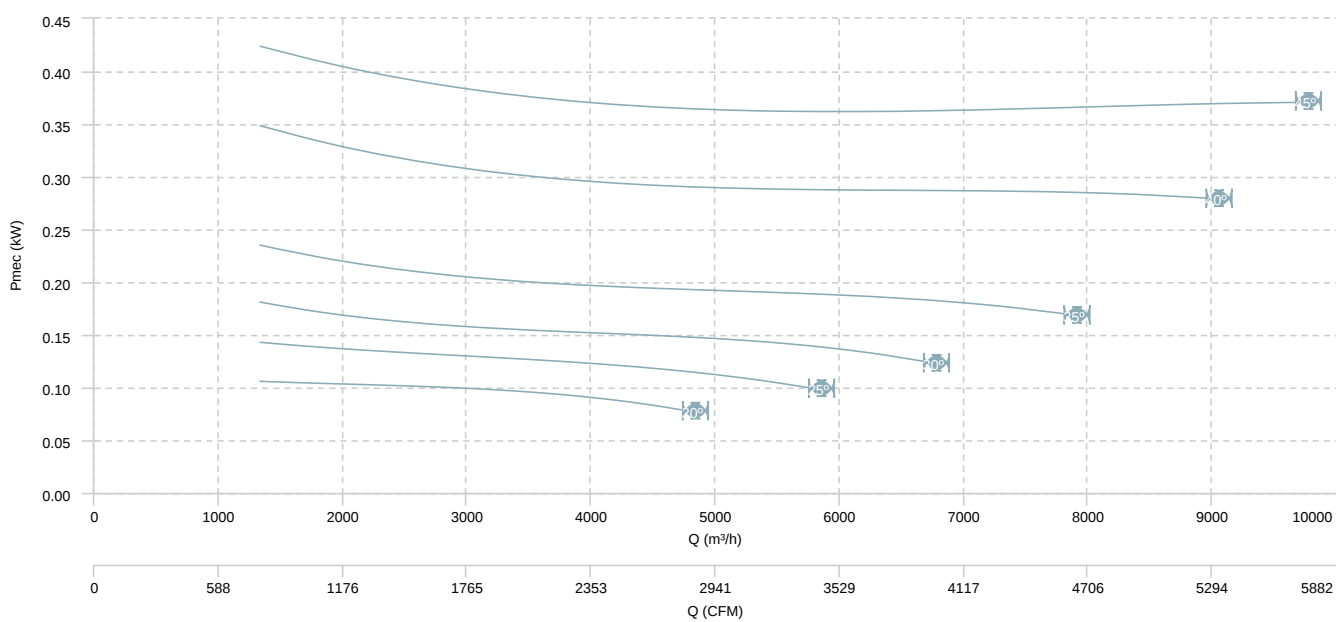


BOX HBA 56 T6 (A5:6)

AIR FLOW - PRESSURE

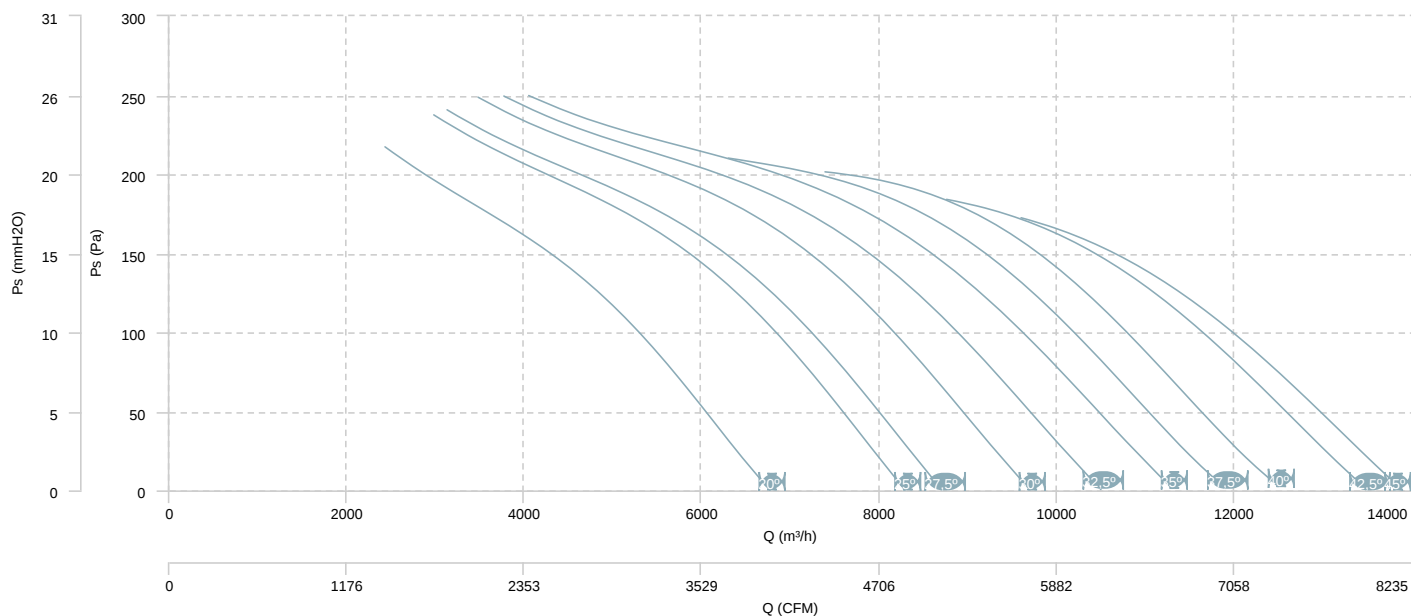


AIR FLOW - MECHANICAL POWER

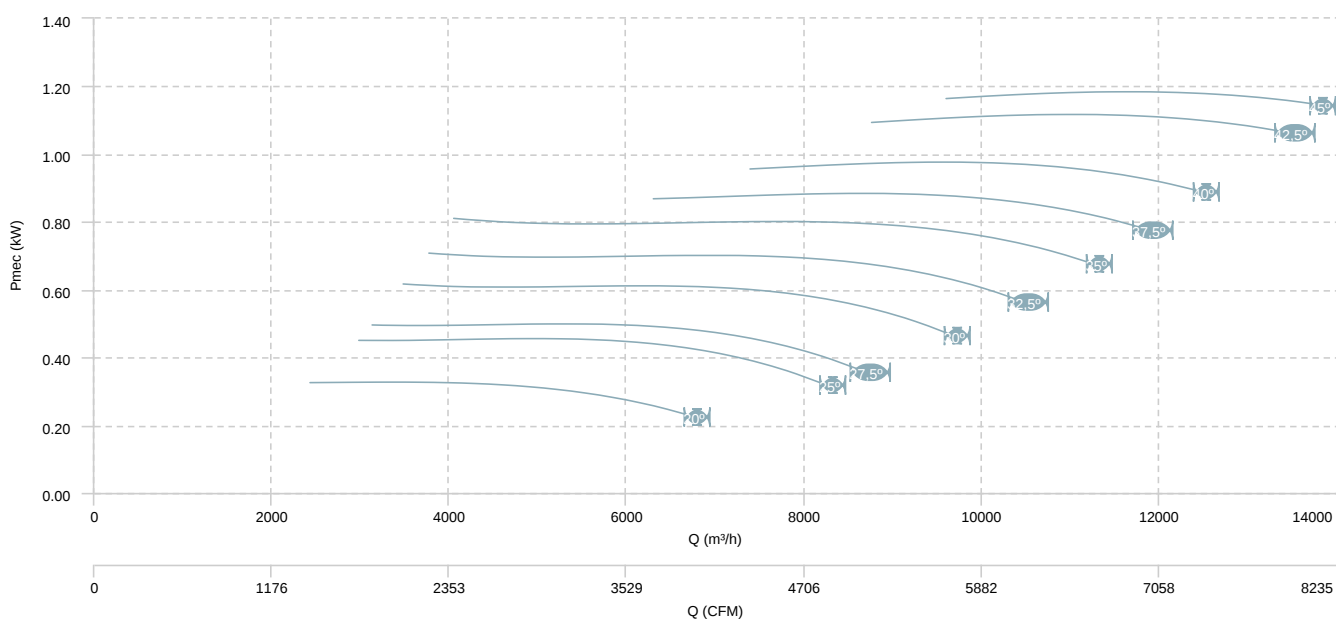


BOX HBA 56 T4/T8 (A2:6)

AIR FLOW - PRESSURE (4 poles)

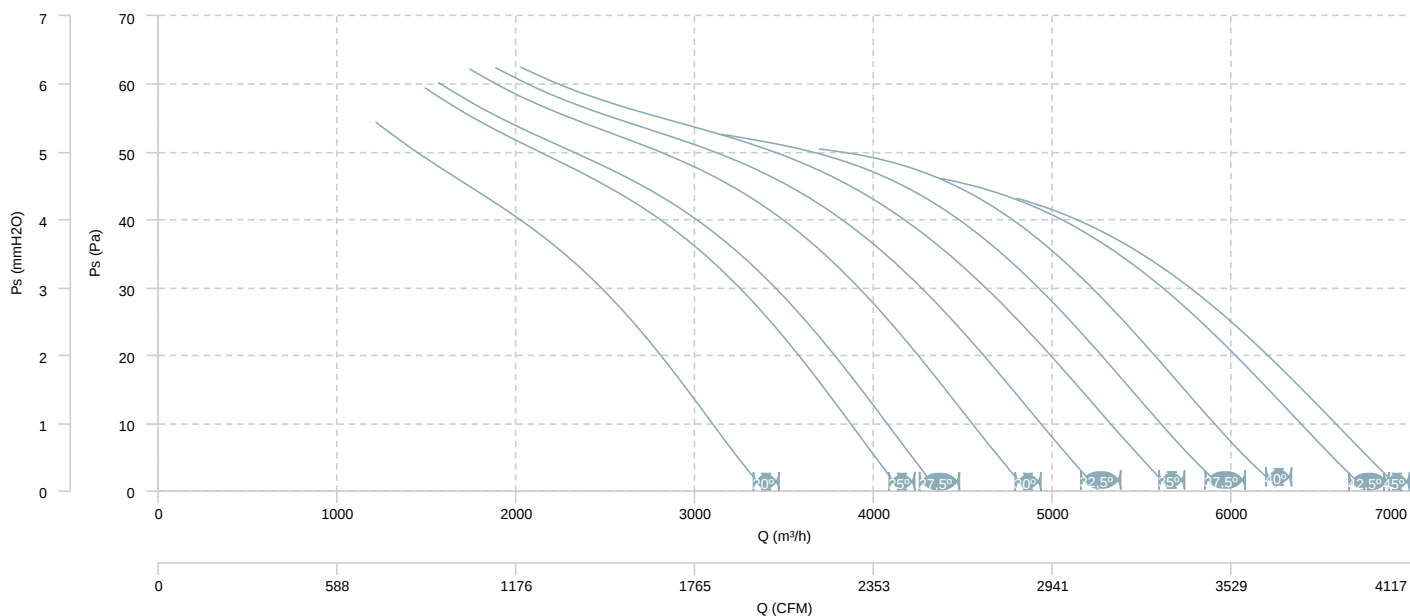


AIR FLOW - MECHANICAL POWER (4 poles)

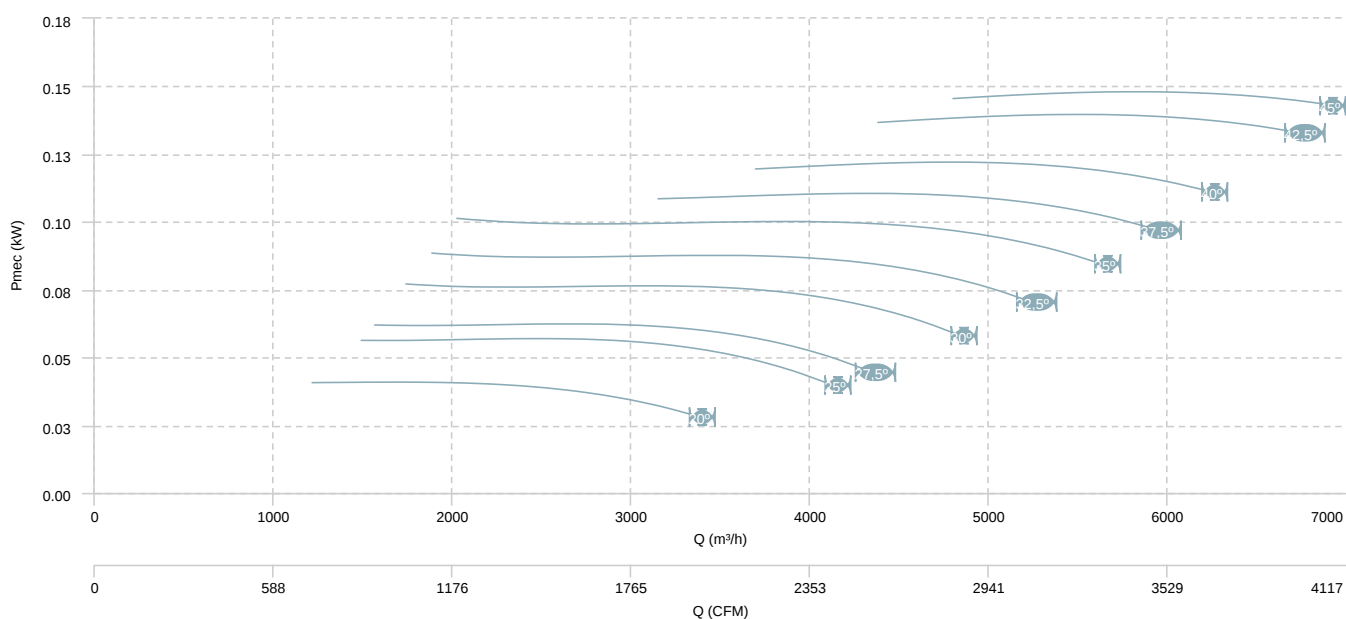


BOX HBA 56 T4/T8 (A2:6)

AIR FLOW - PRESSURE (8 poles)

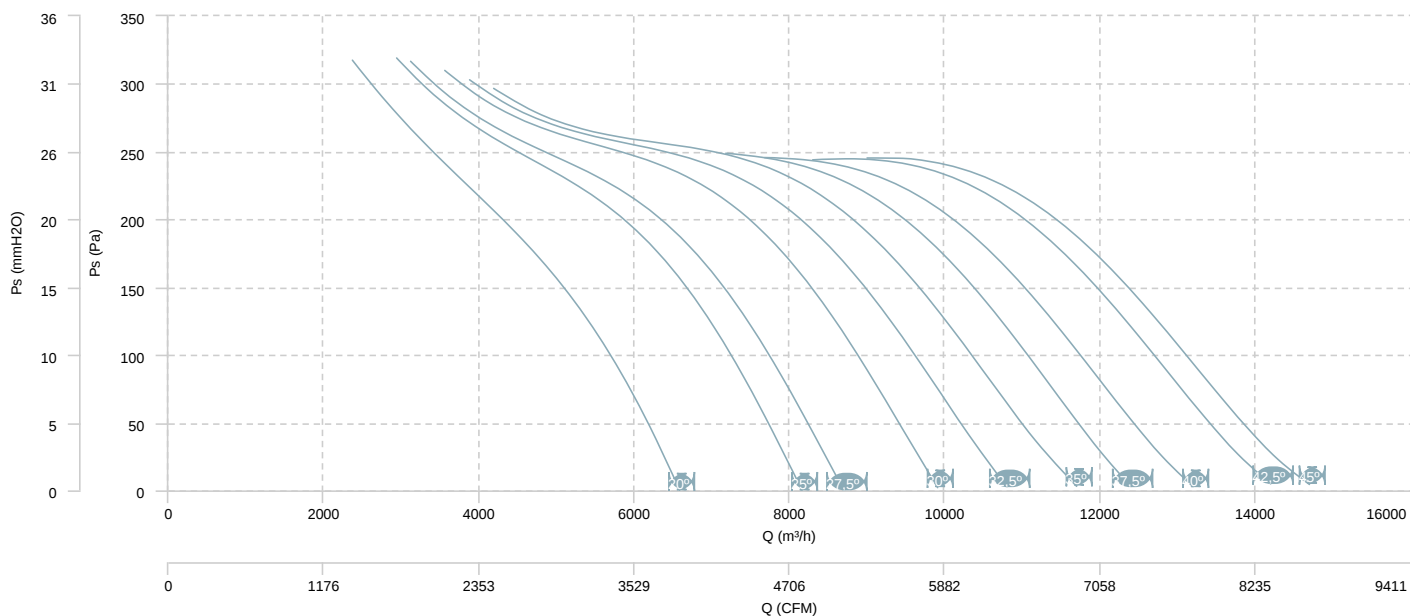


AIR FLOW - MECHANICAL POWER (8 poles)

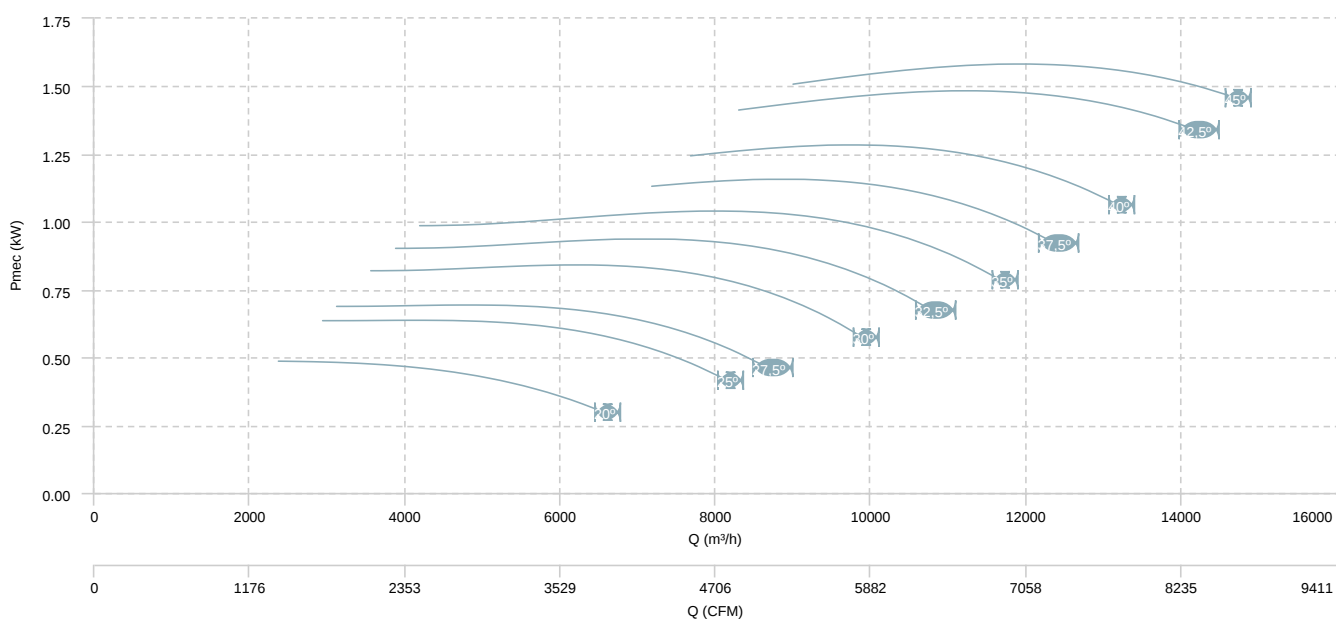


BOX HBA 56 T4/T8 (A2:9)

AIR FLOW - PRESSURE (4 poles)

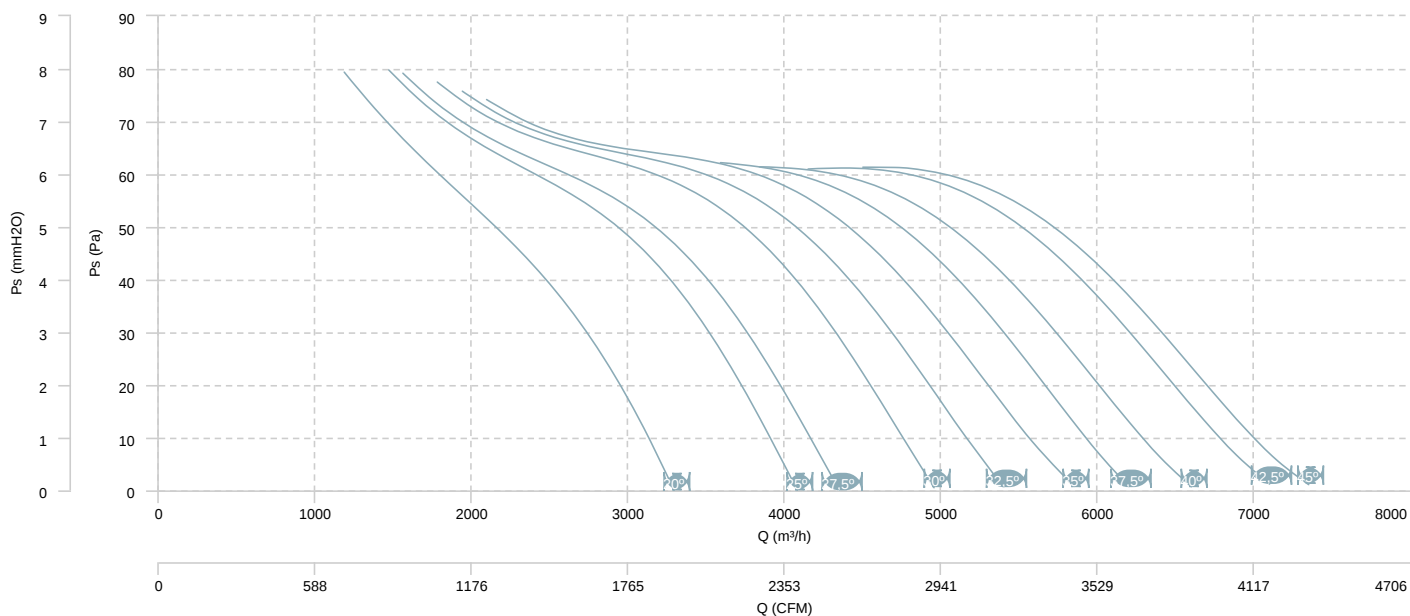


AIR FLOW - MECHANICAL POWER (4 poles)

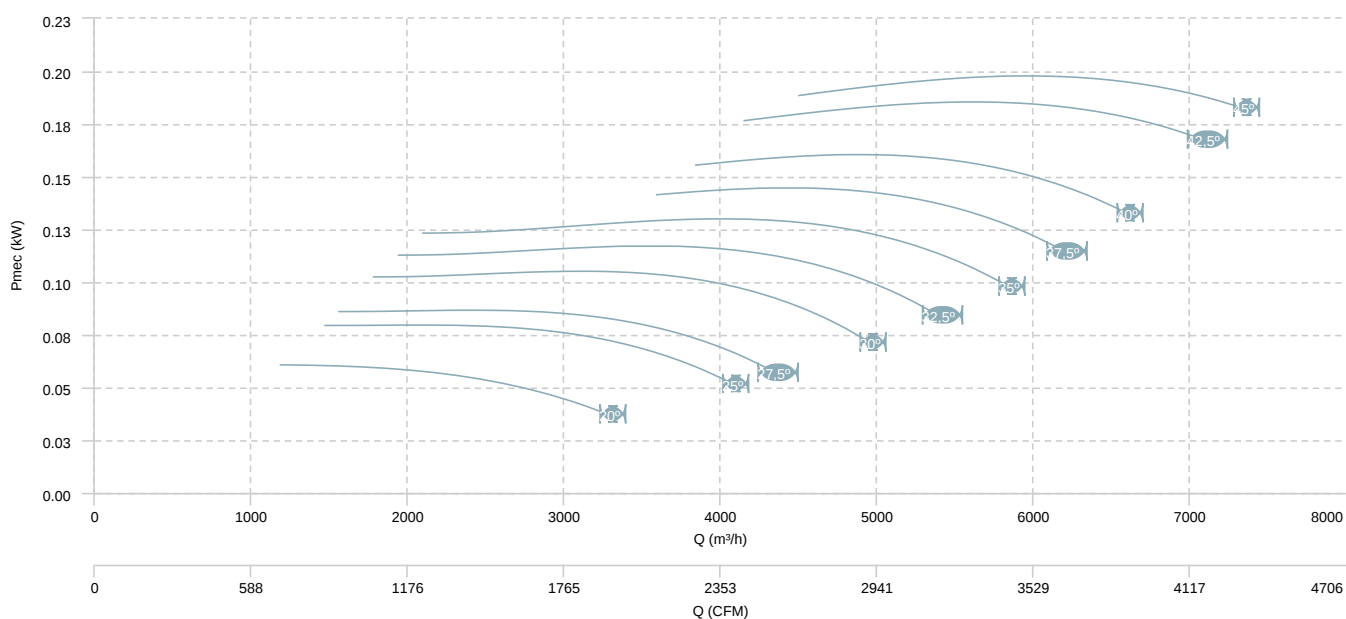


BOX HBA 56 T4/T8 (A2:9)

AIR FLOW - PRESSURE (8 poles)

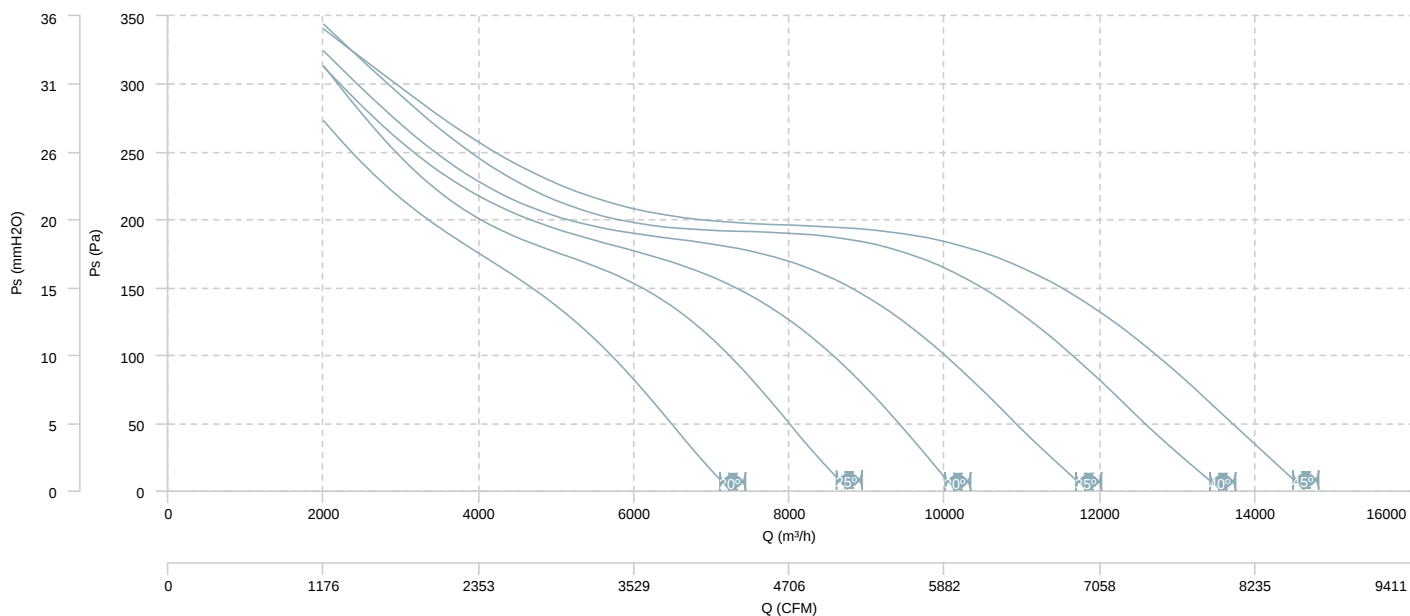


AIR FLOW - MECHANICAL POWER (8 poles)

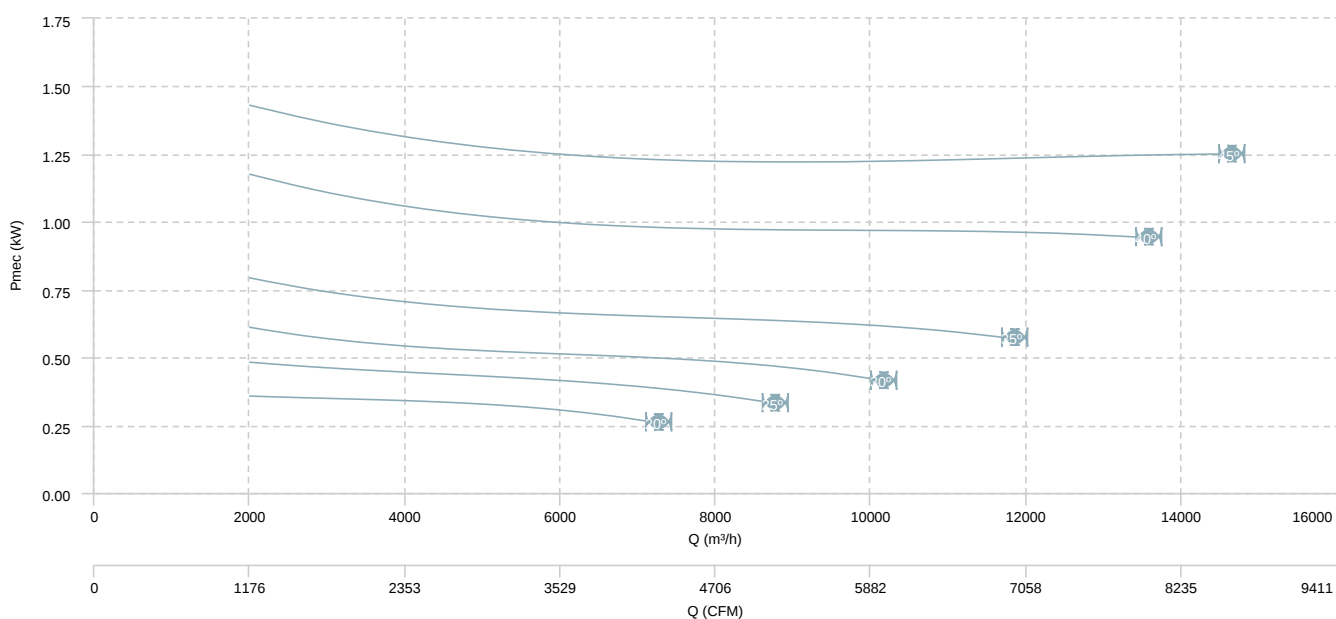


BOX HBA 56 T4/T8 (A5:6)

AIR FLOW - PRESSURE (4 poles)

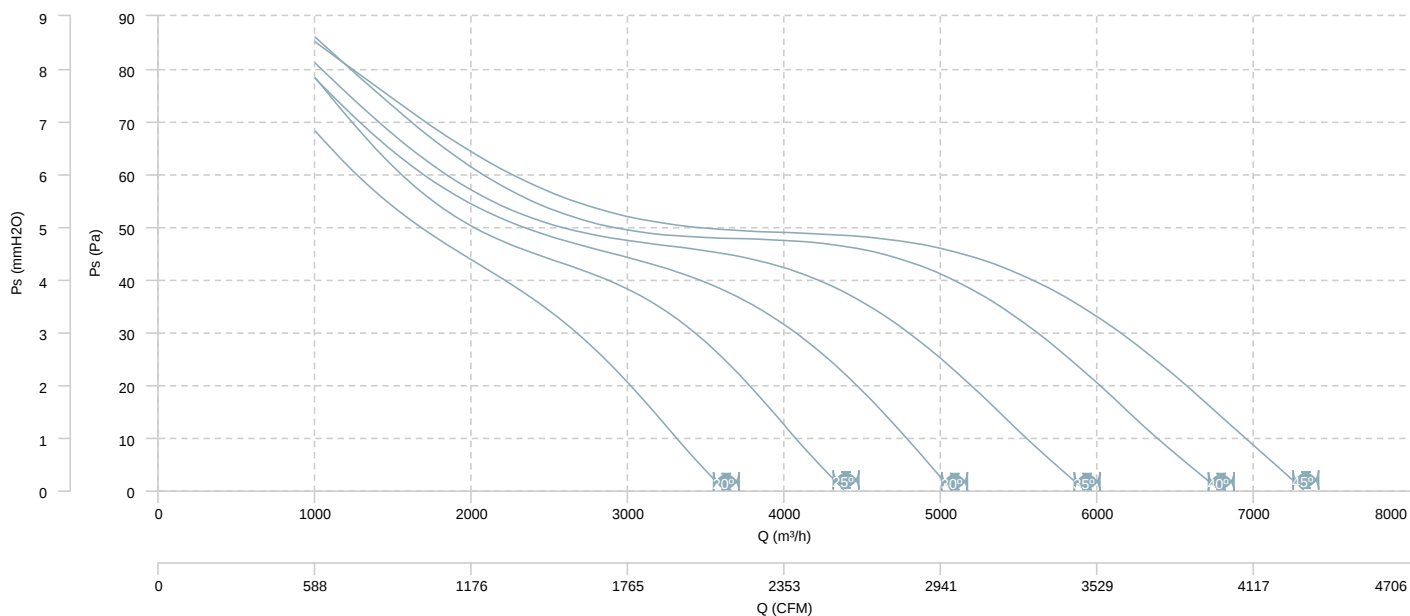


AIR FLOW - MECHANICAL POWER (4 poles)

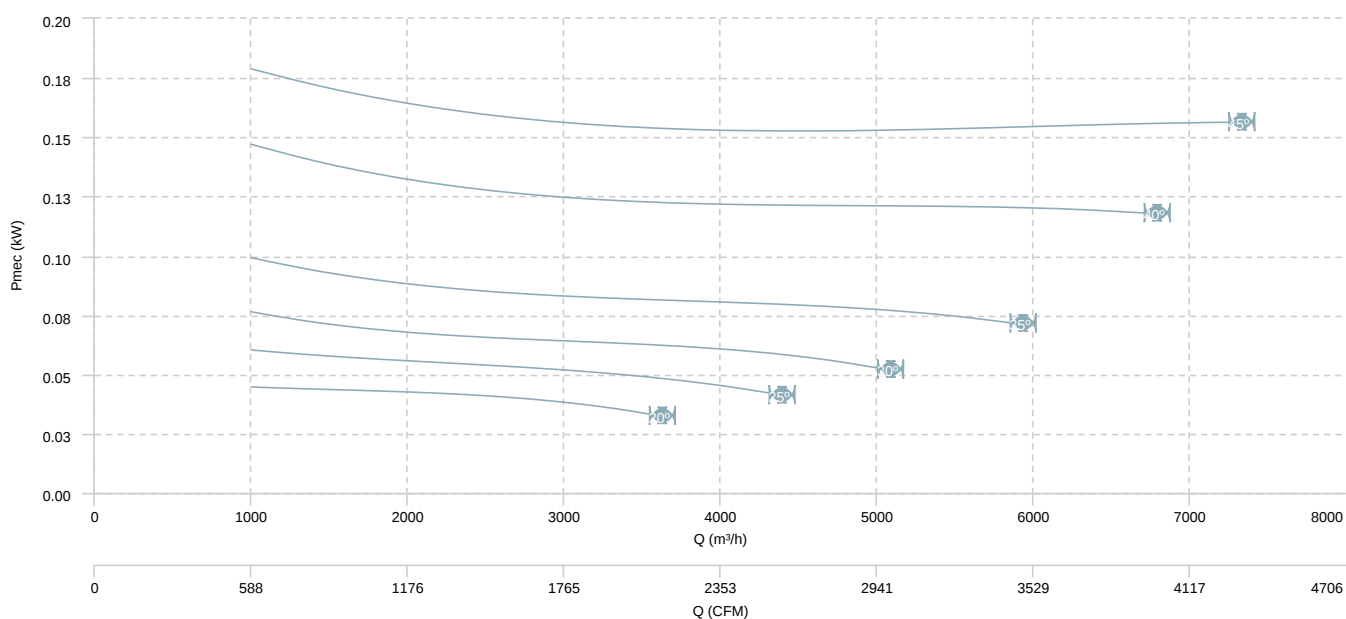


BOX HBA 56 T4/T8 (A5:6)

AIR FLOW - PRESSURE (8 poles)

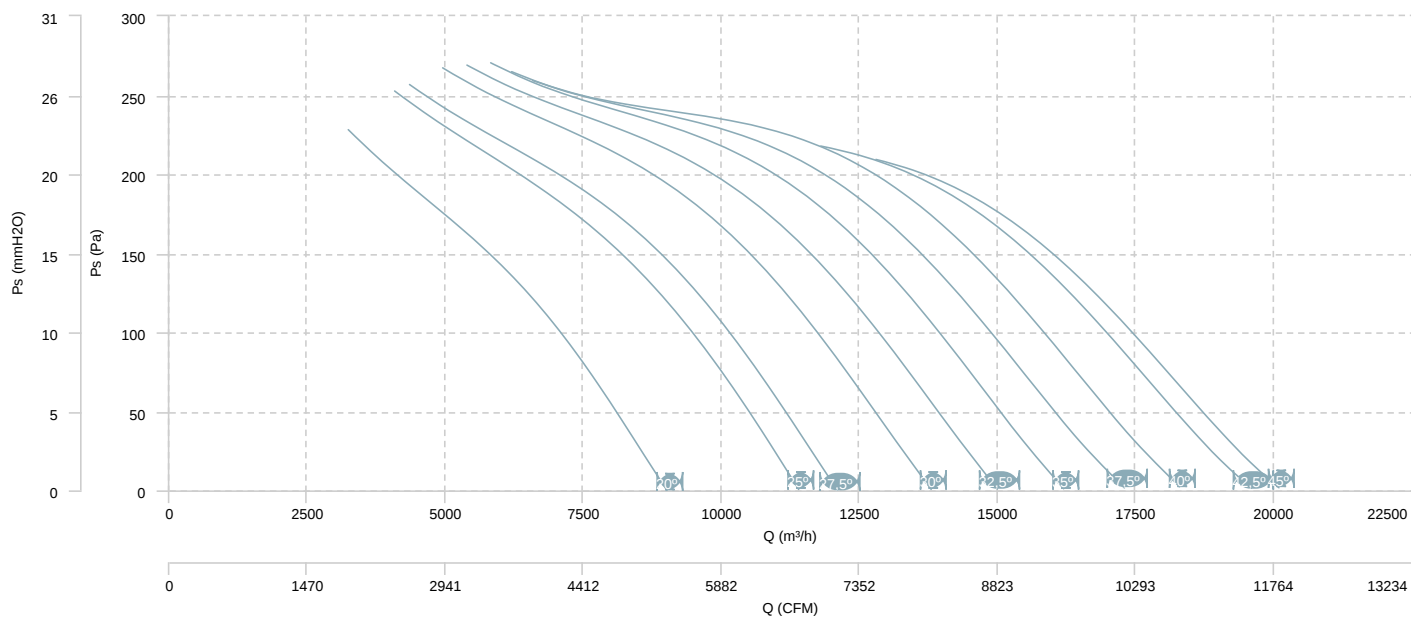


AIR FLOW - MECHANICAL POWER (8 poles)

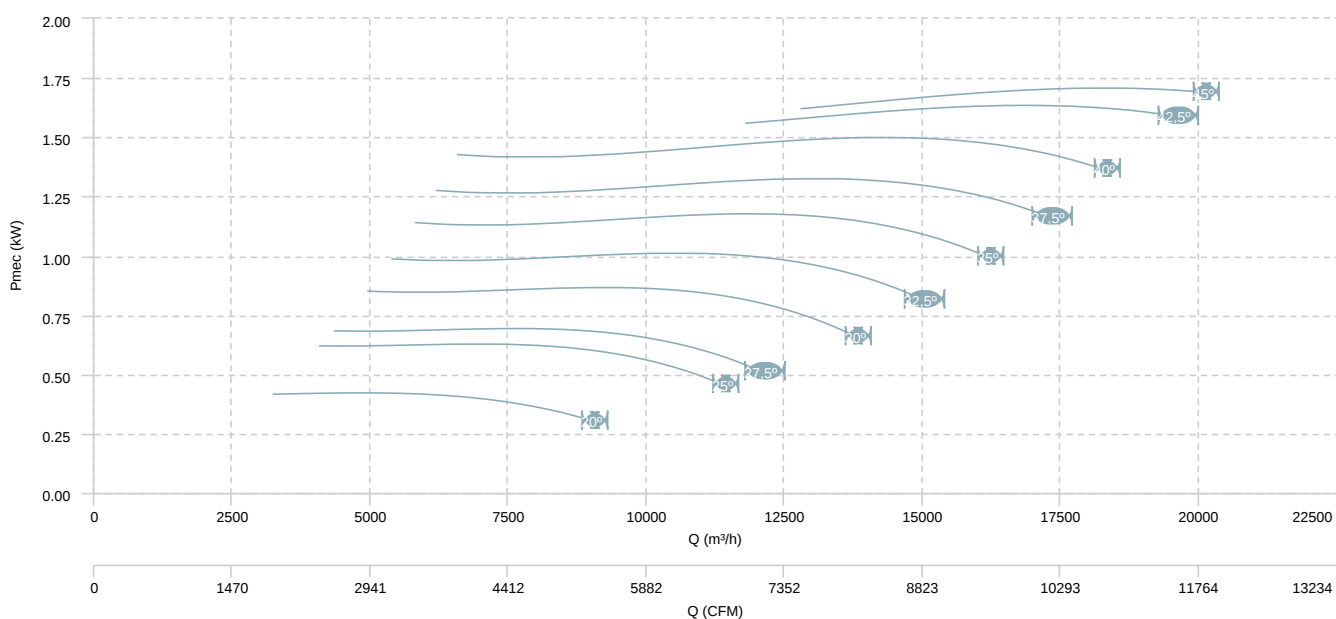


BOX HBA 63 T4 (A2:6)

AIR FLOW - PRESSURE

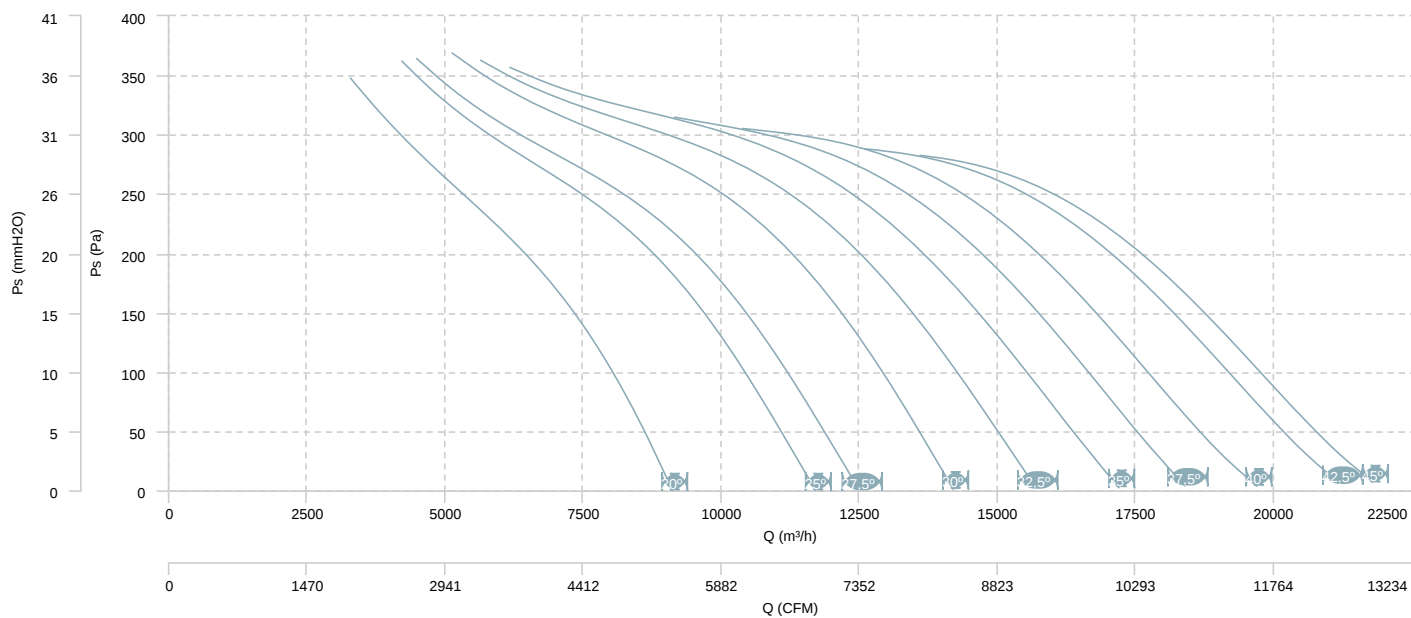


AIR FLOW - MECHANICAL POWER



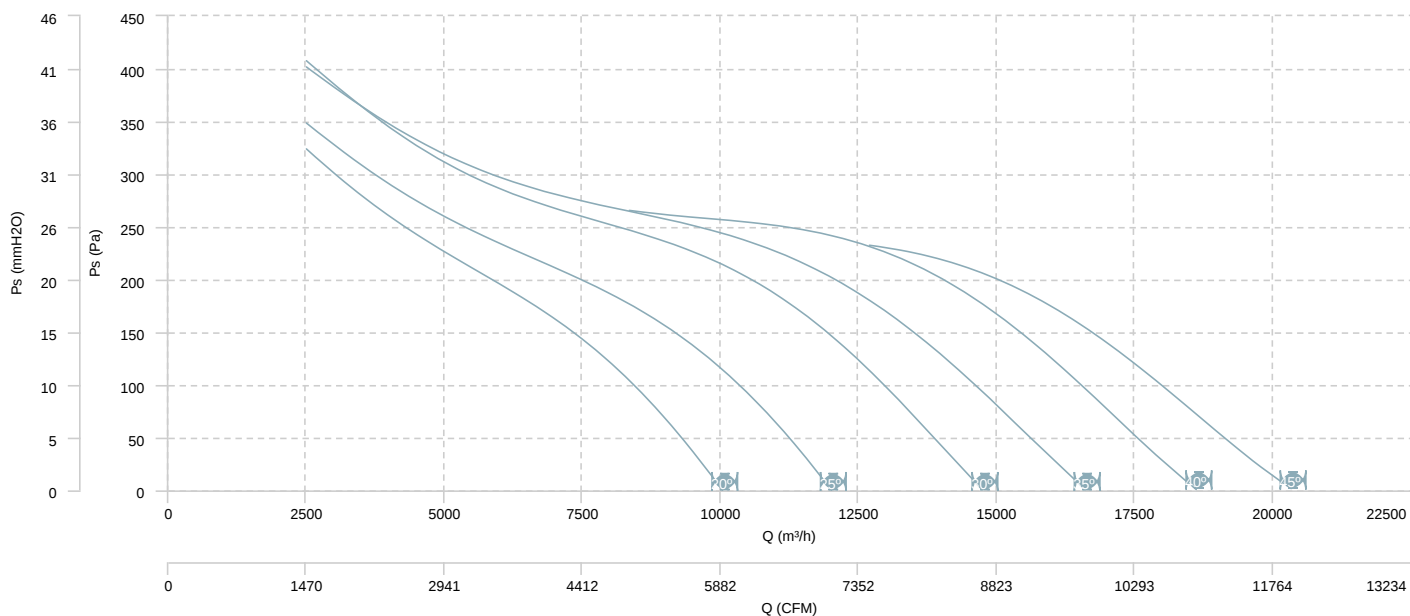
BOX HBA 63 T4 (A2:9)

AIR FLOW - PRESSURE

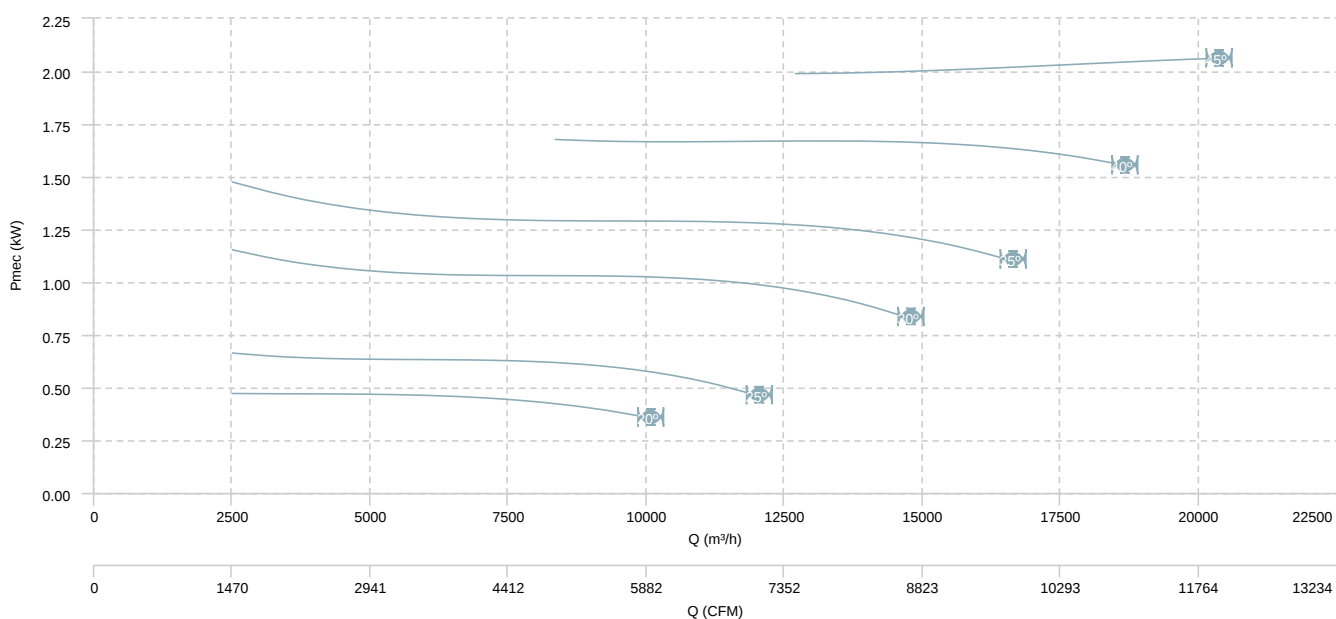


BOX HBA 63 T4 (A5:6)

AIR FLOW - PRESSURE

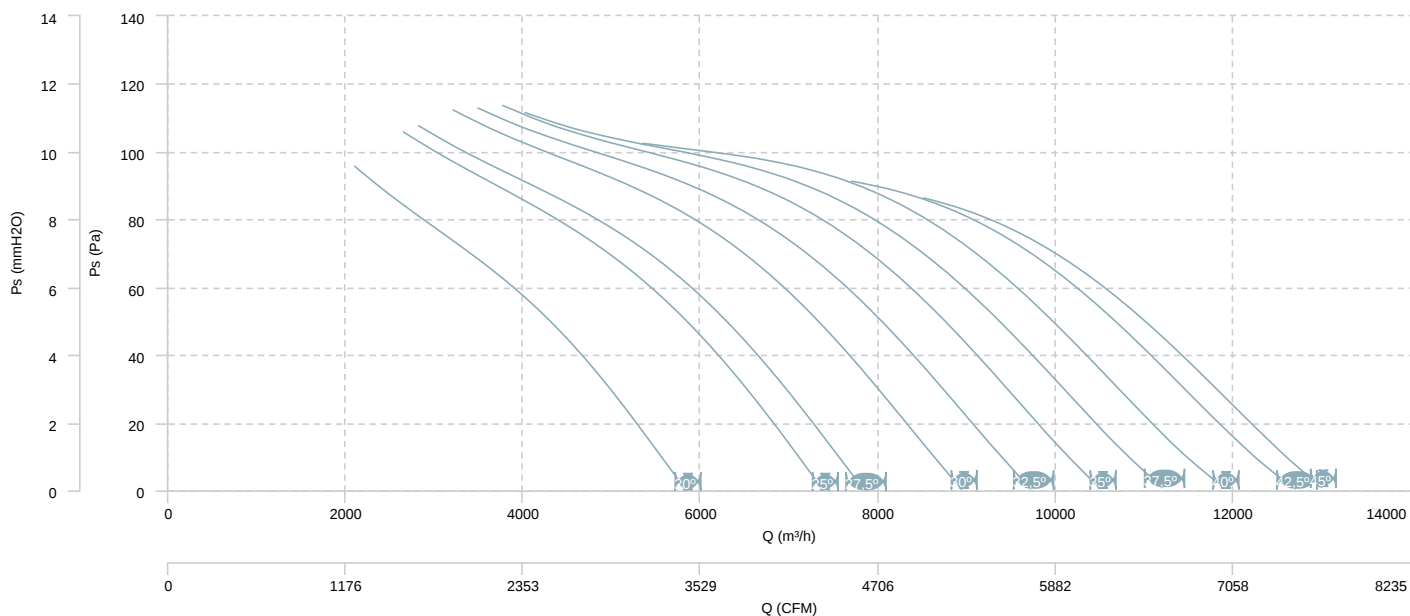


AIR FLOW - MECHANICAL POWER

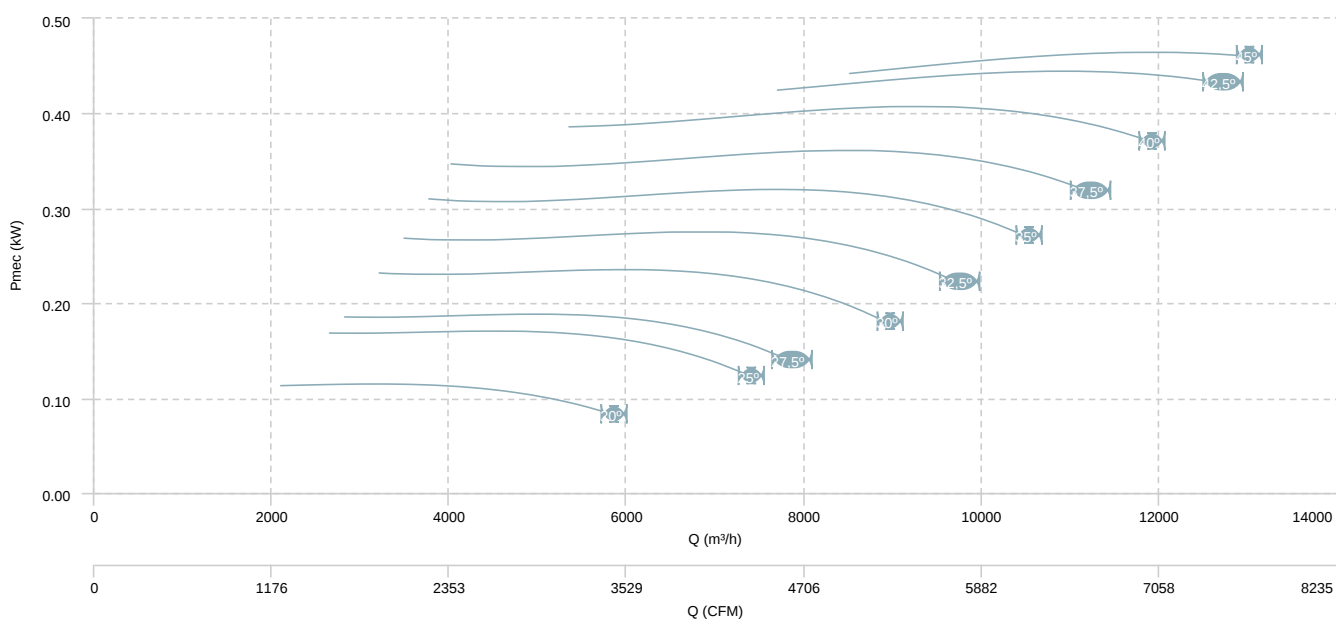


BOX HBA 63 T6 (A2:6)

AIR FLOW - PRESSURE

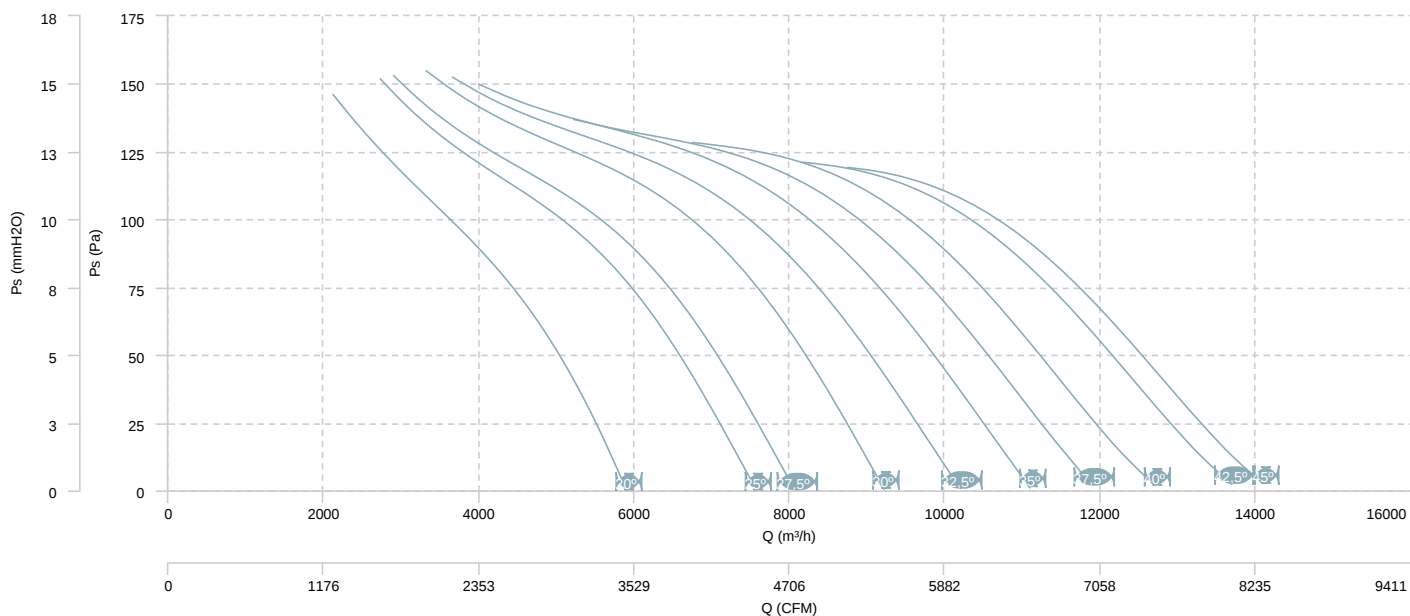


AIR FLOW - MECHANICAL POWER

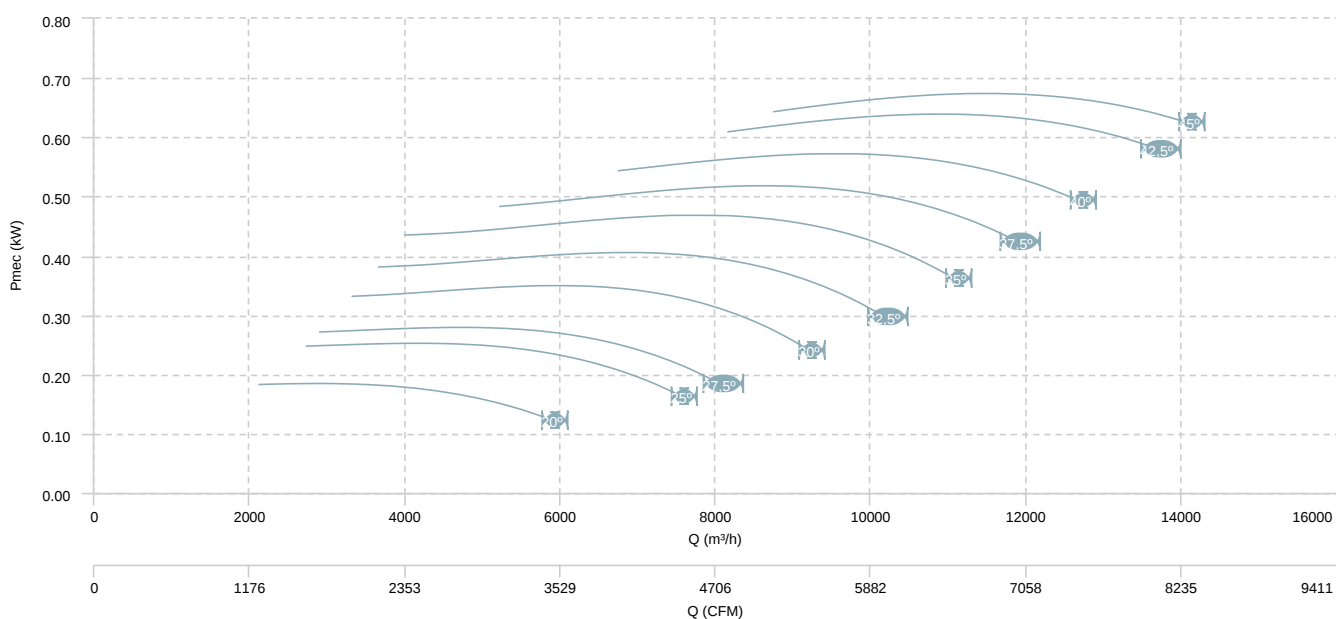


BOX HBA 63 T6 (A2:9)

AIR FLOW - PRESSURE

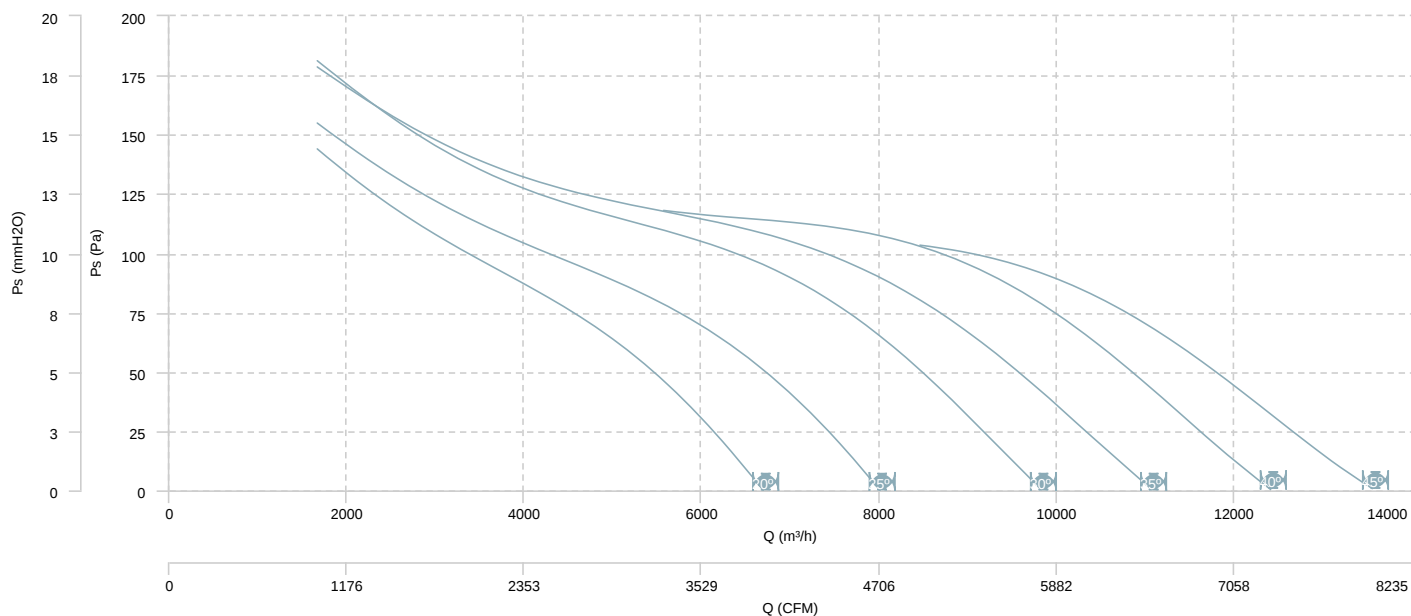


AIR FLOW - MECHANICAL POWER

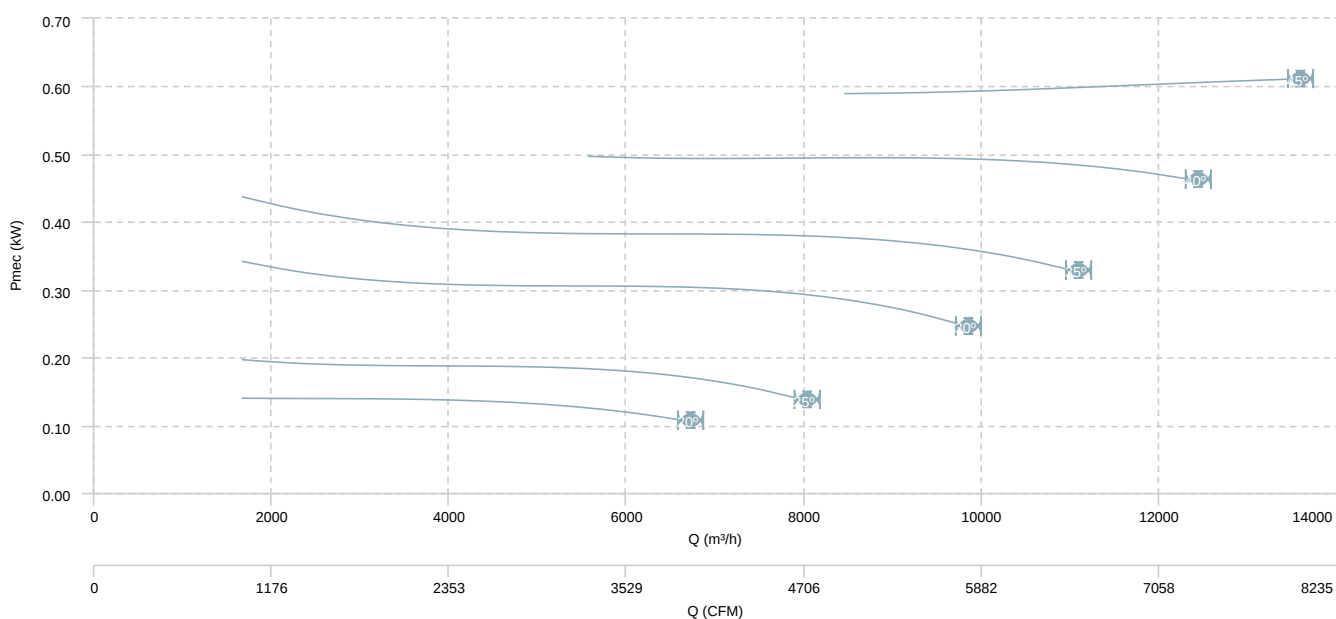


BOX HBA 63 T6 (A5:6)

AIR FLOW - PRESSURE

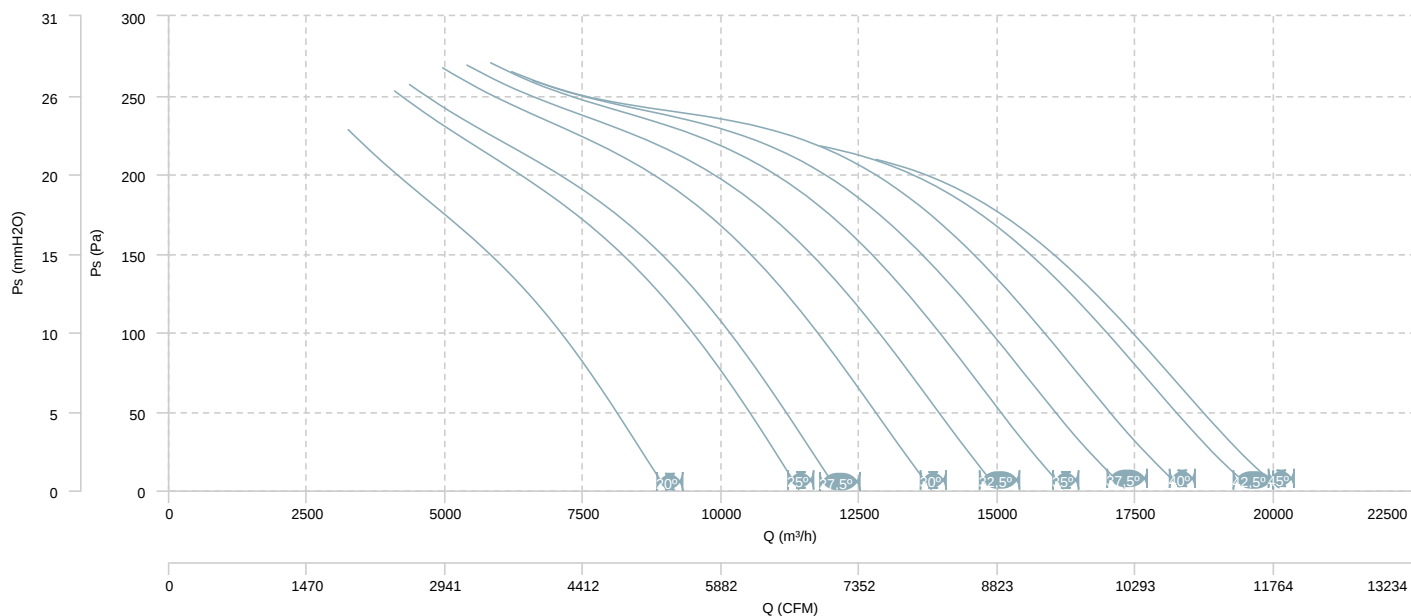


AIR FLOW - MECHANICAL POWER

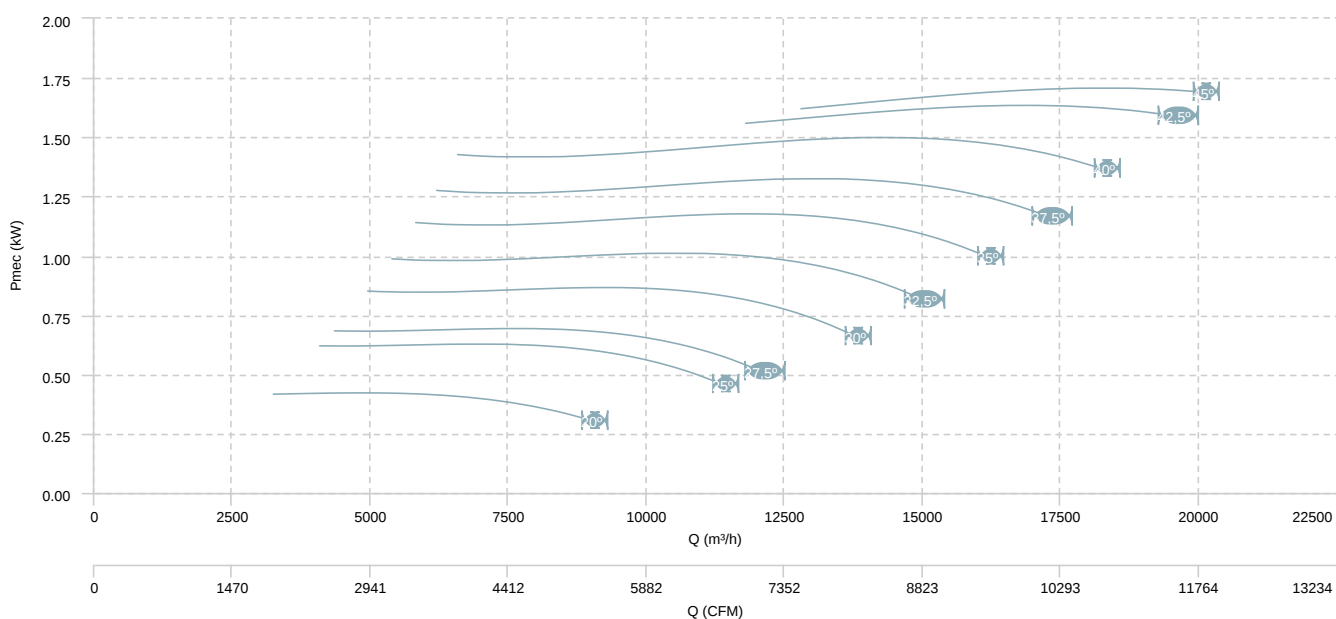


BOX HBA 63 T4/T8 (A2:6)

AIR FLOW - PRESSURE (4 poles)

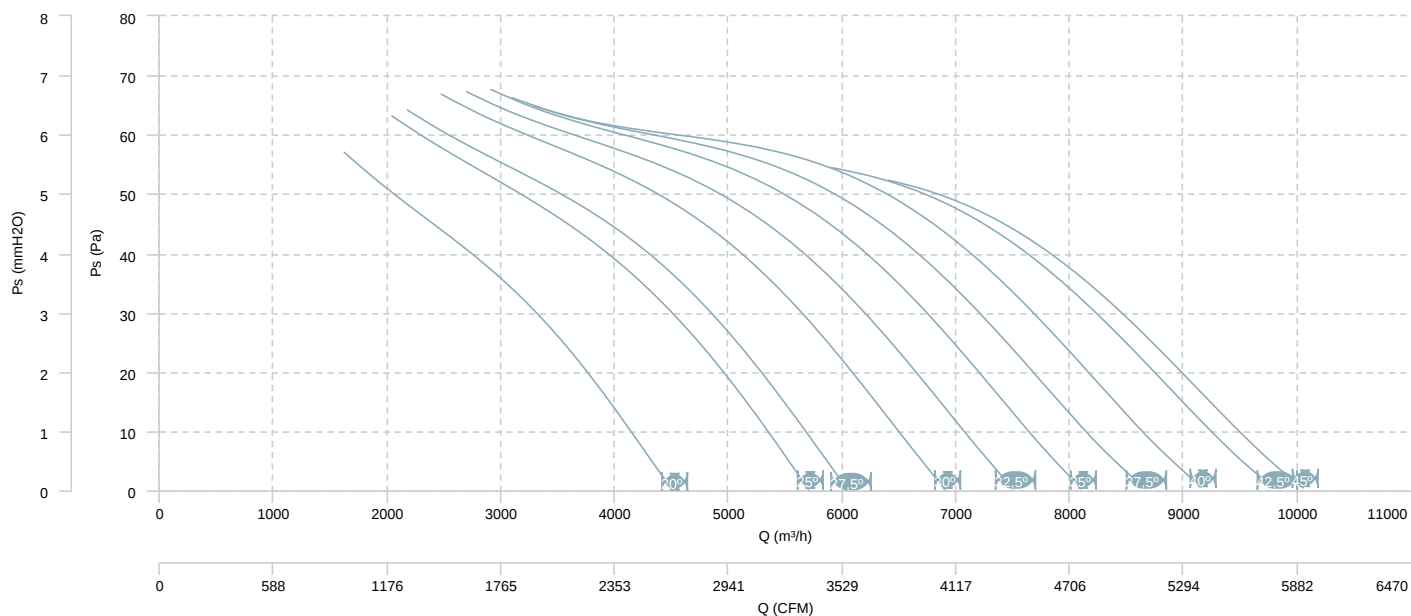


AIR FLOW - MECHANICAL POWER (4 poles)

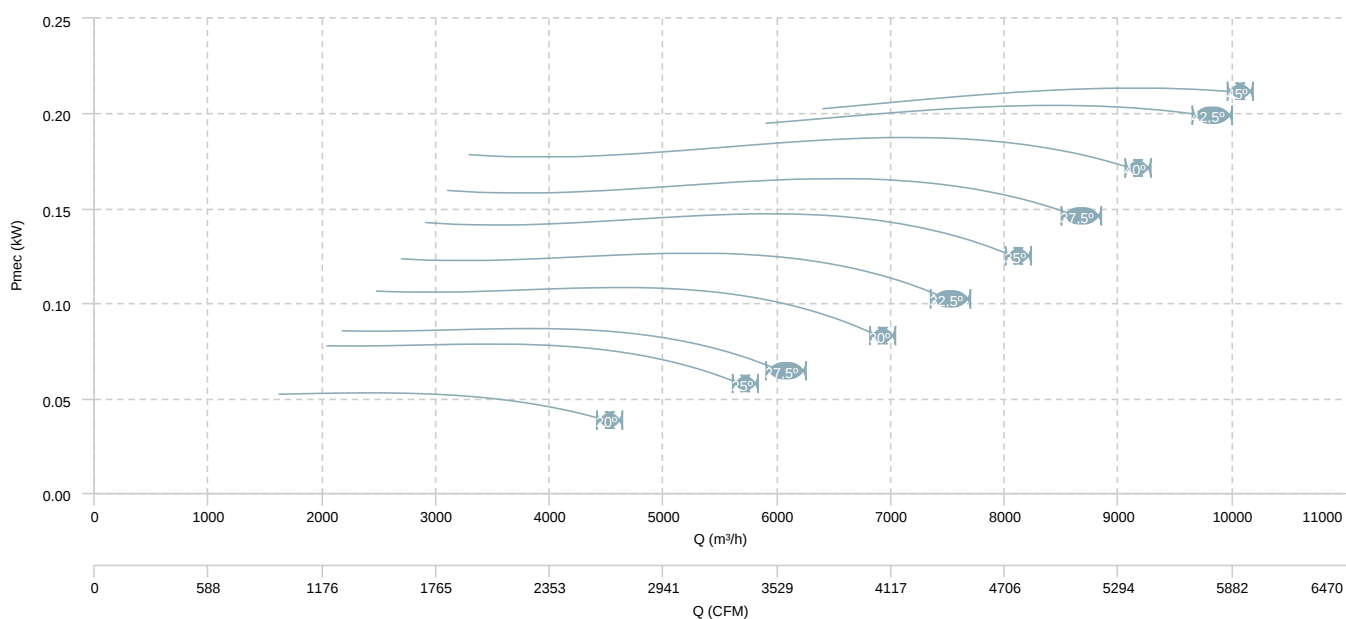


BOX HBA 63 T4/T8 (A2:6)

AIR FLOW - PRESSURE (8 poles)

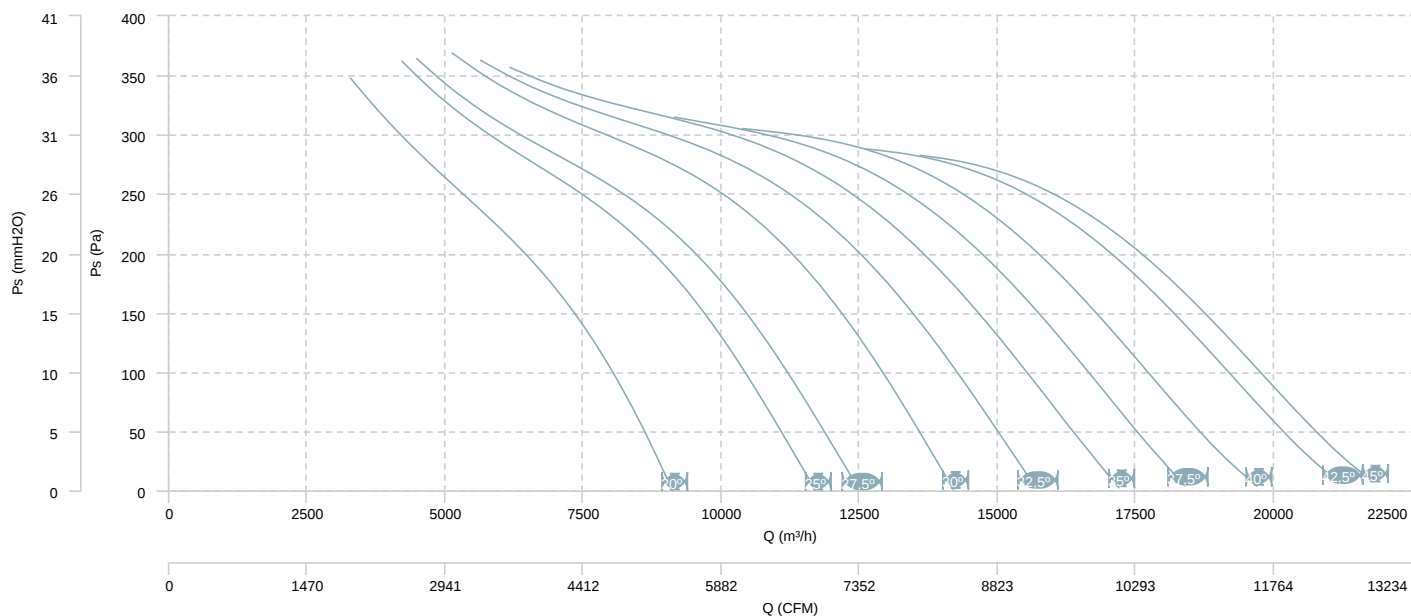


AIR FLOW - MECHANICAL POWER (8 poles)

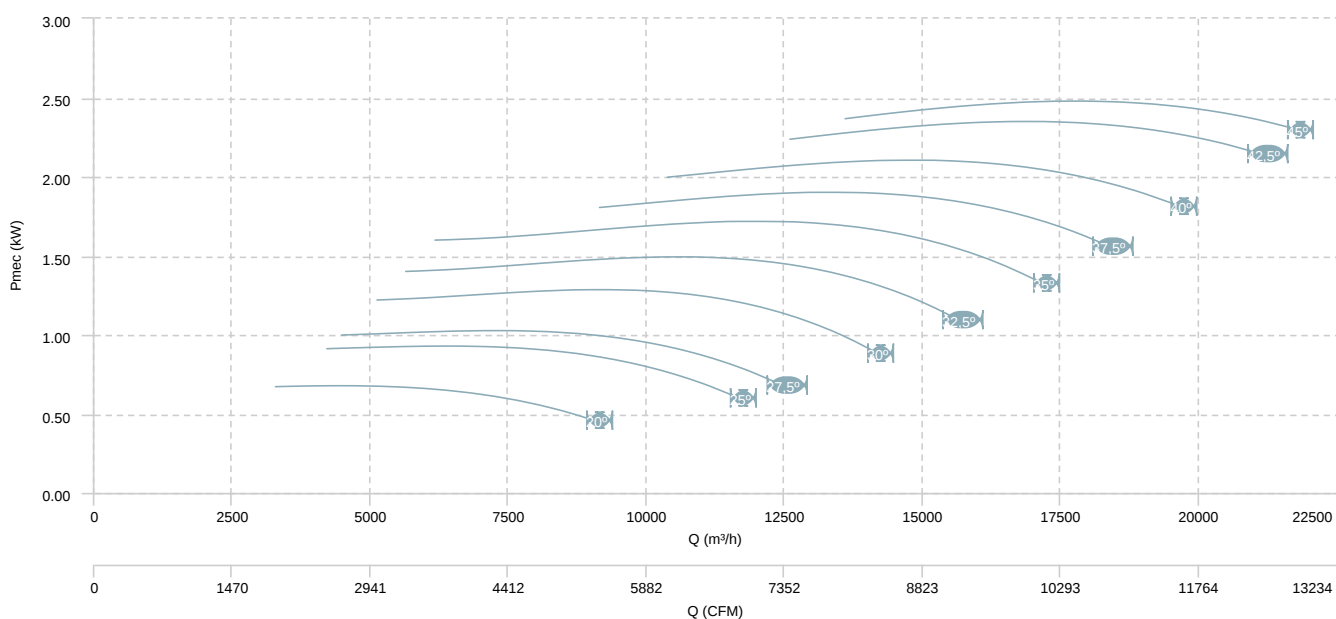


BOX HBA 63 T4/T8 (A2:9)

AIR FLOW - PRESSURE (4 poles)

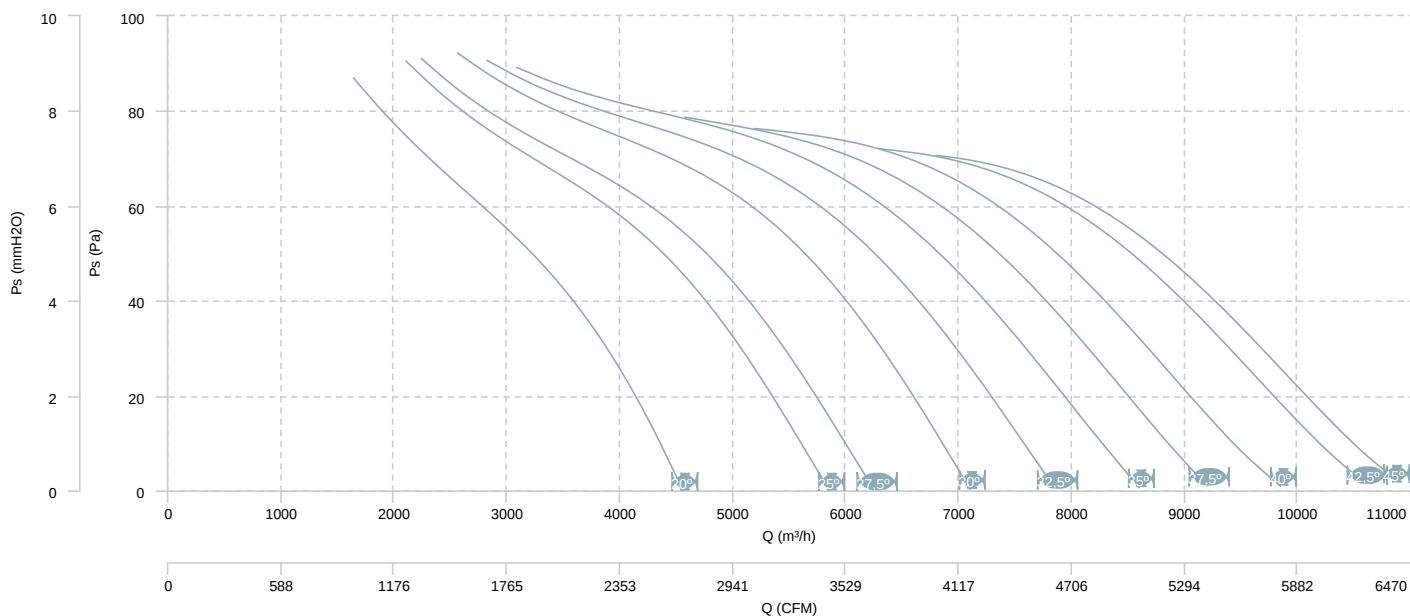


AIR FLOW - MECHANICAL POWER (4 poles)

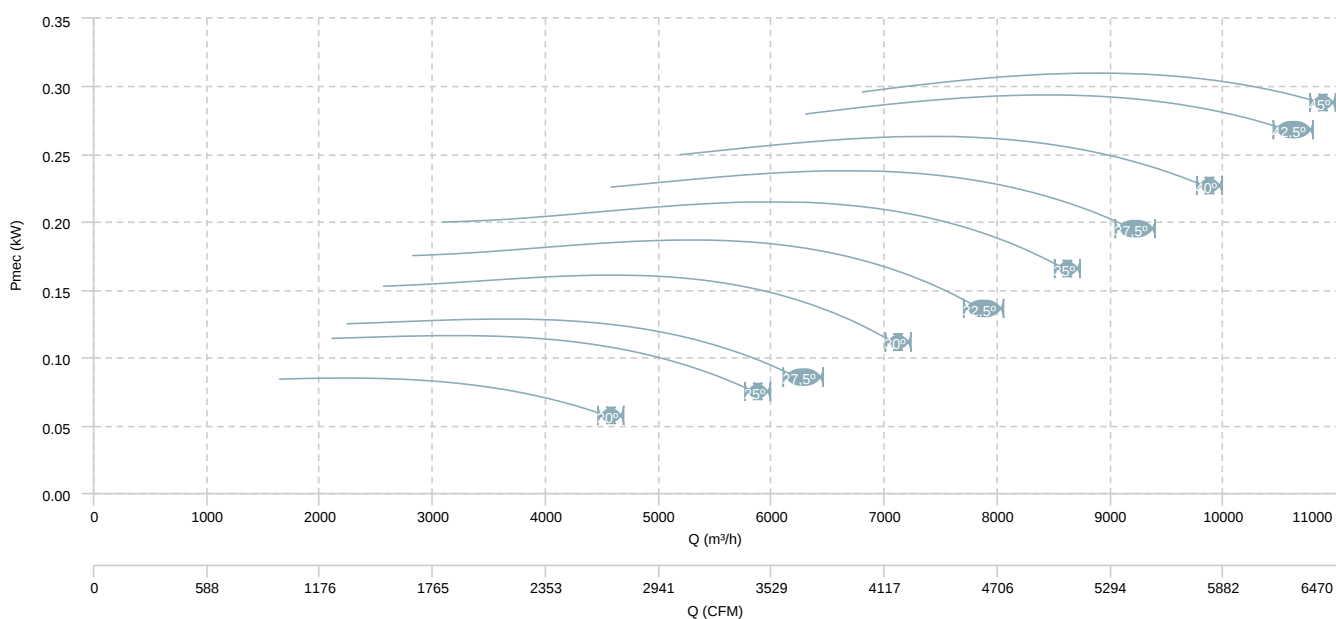


BOX HBA 63 T4/T8 (A2:9)

AIR FLOW - PRESSURE (8 poles)

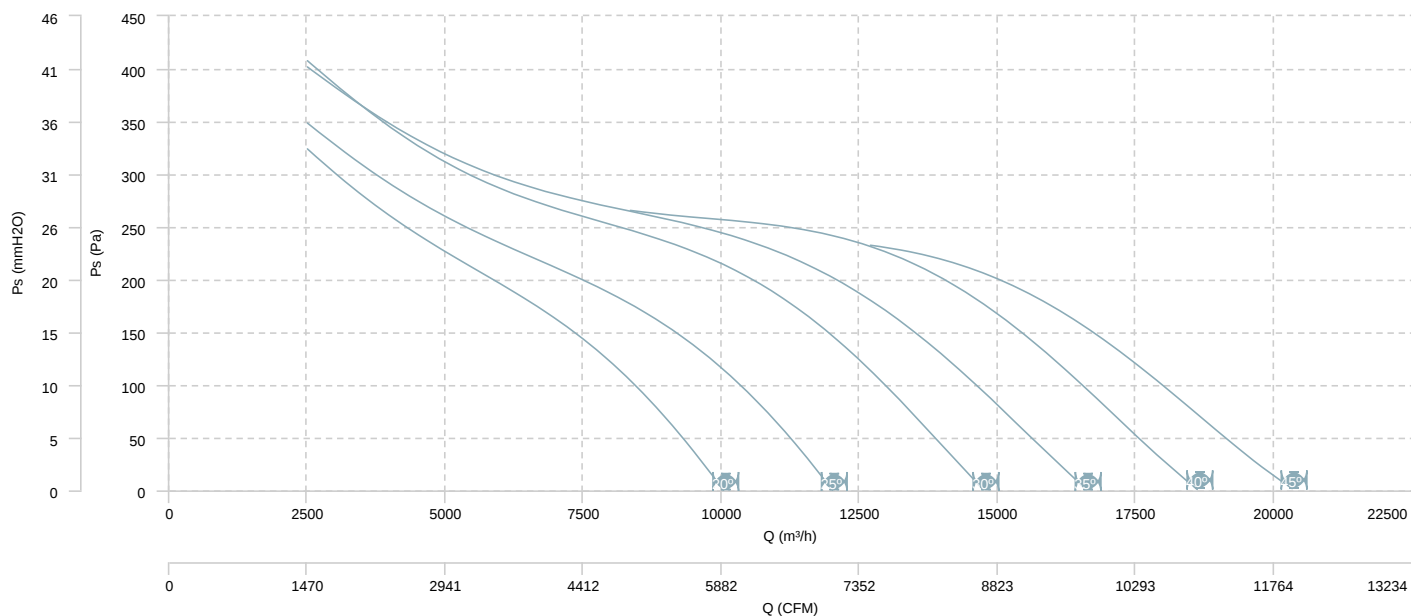


AIR FLOW - MECHANICAL POWER (8 poles)

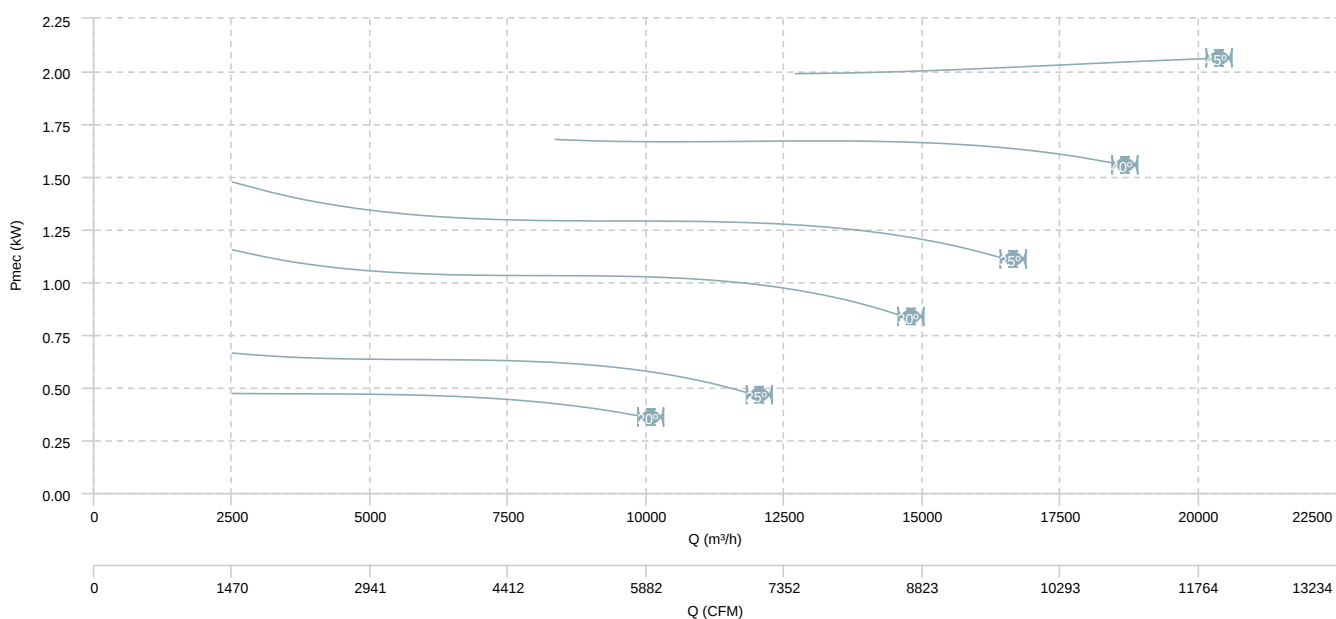


BOX HBA 63 T4/T8 (A5:6)

AIR FLOW - PRESSURE (4 poles)

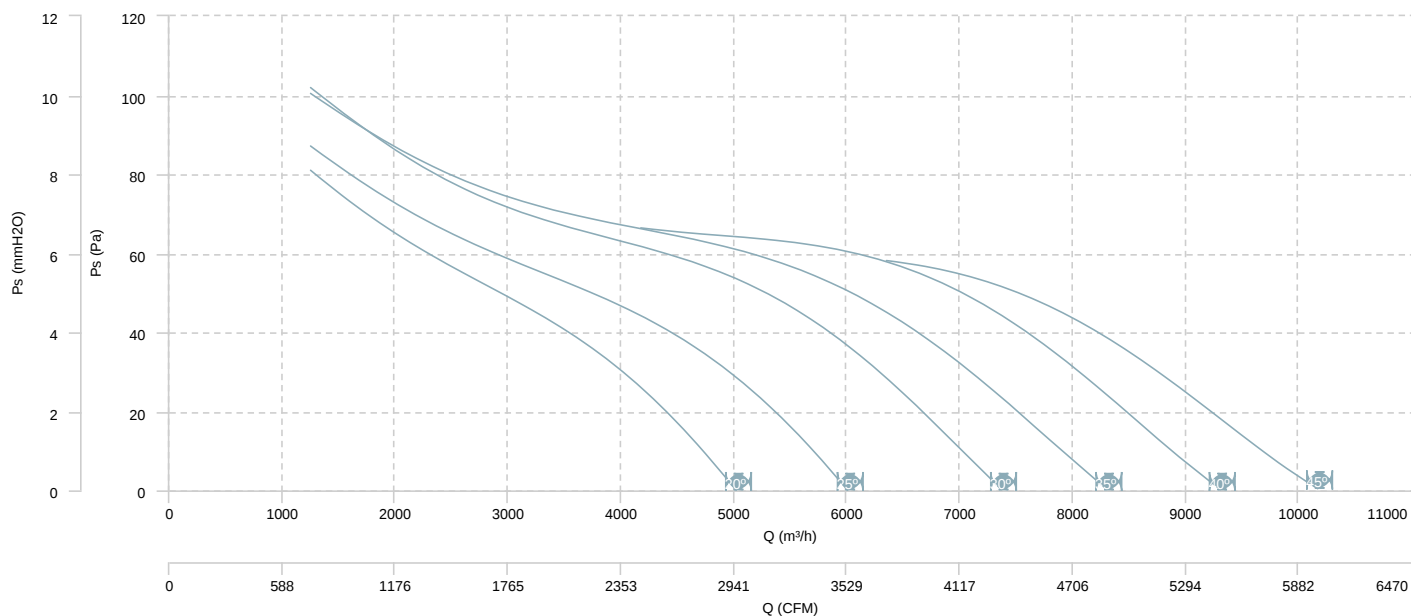


AIR FLOW - MECHANICAL POWER (4 poles)

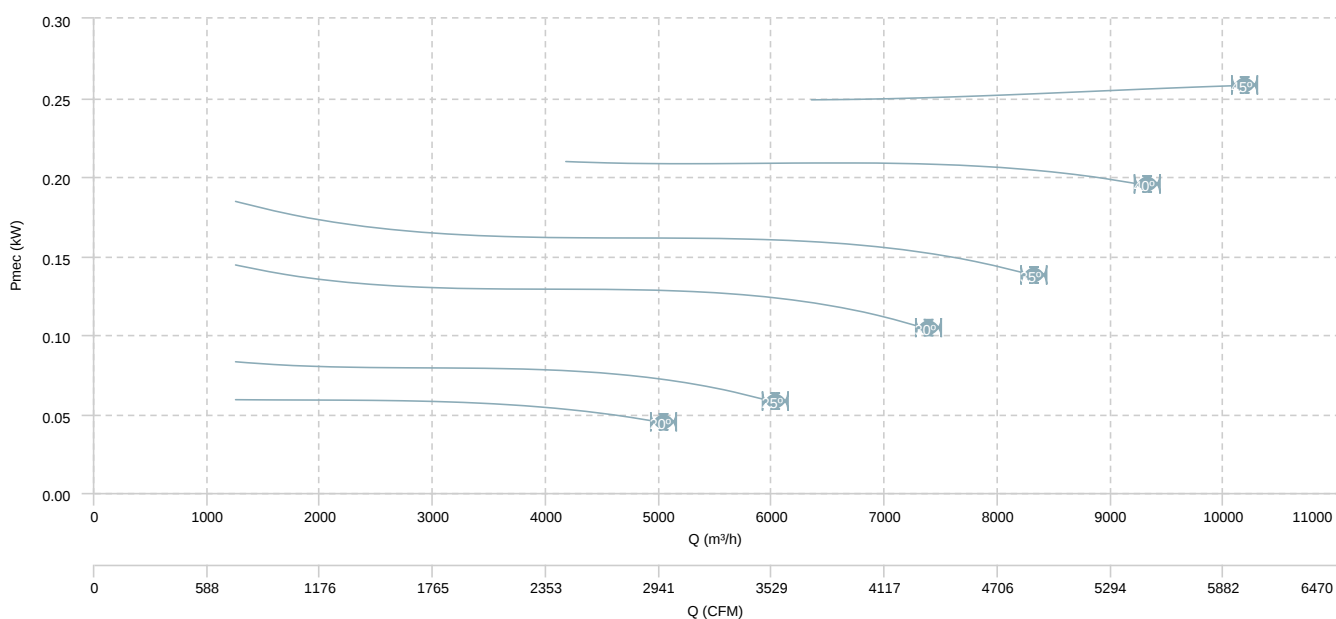


BOX HBA 63 T4/T8 (A5:6)

AIR FLOW - PRESSURE (8 poles)

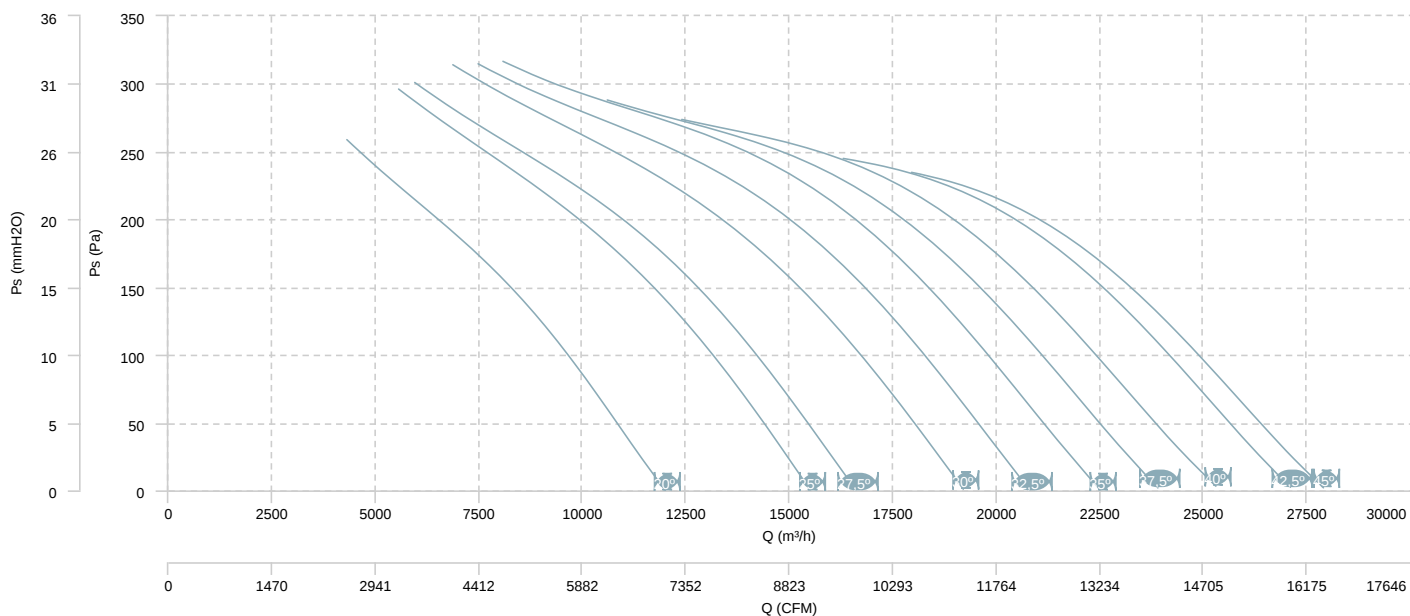


AIR FLOW - MECHANICAL POWER (8 poles)

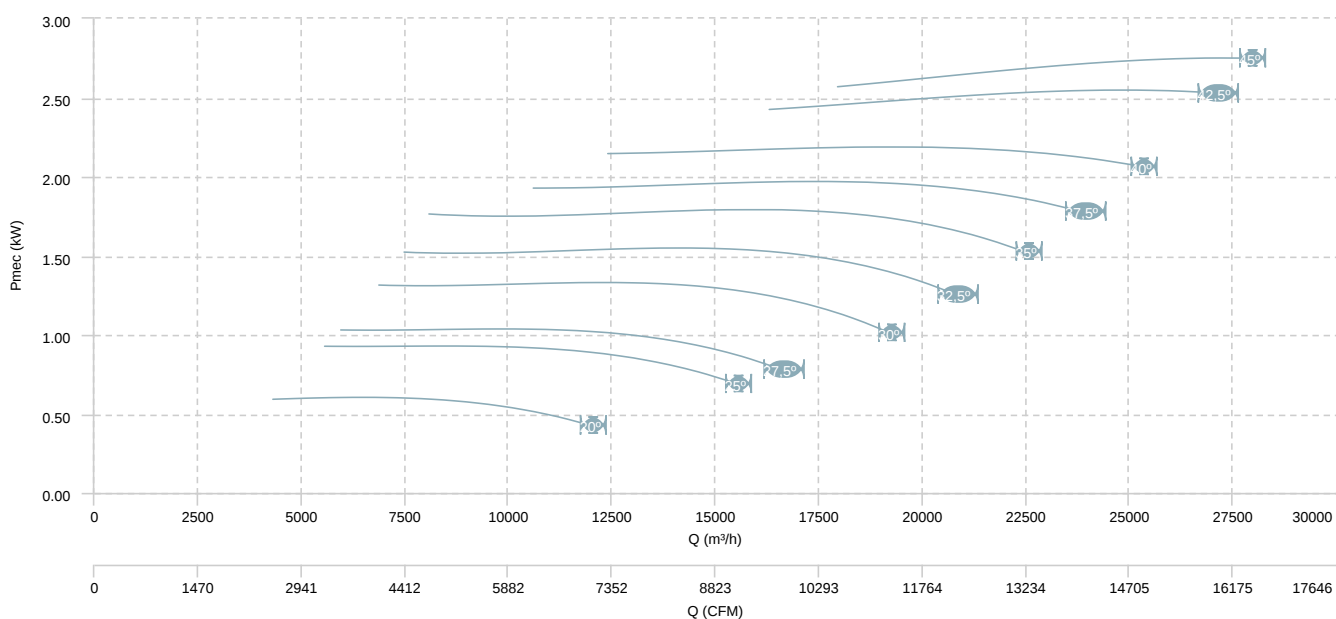


BOX HBA 71 T4 (A2:6)

AIR FLOW - PRESSURE

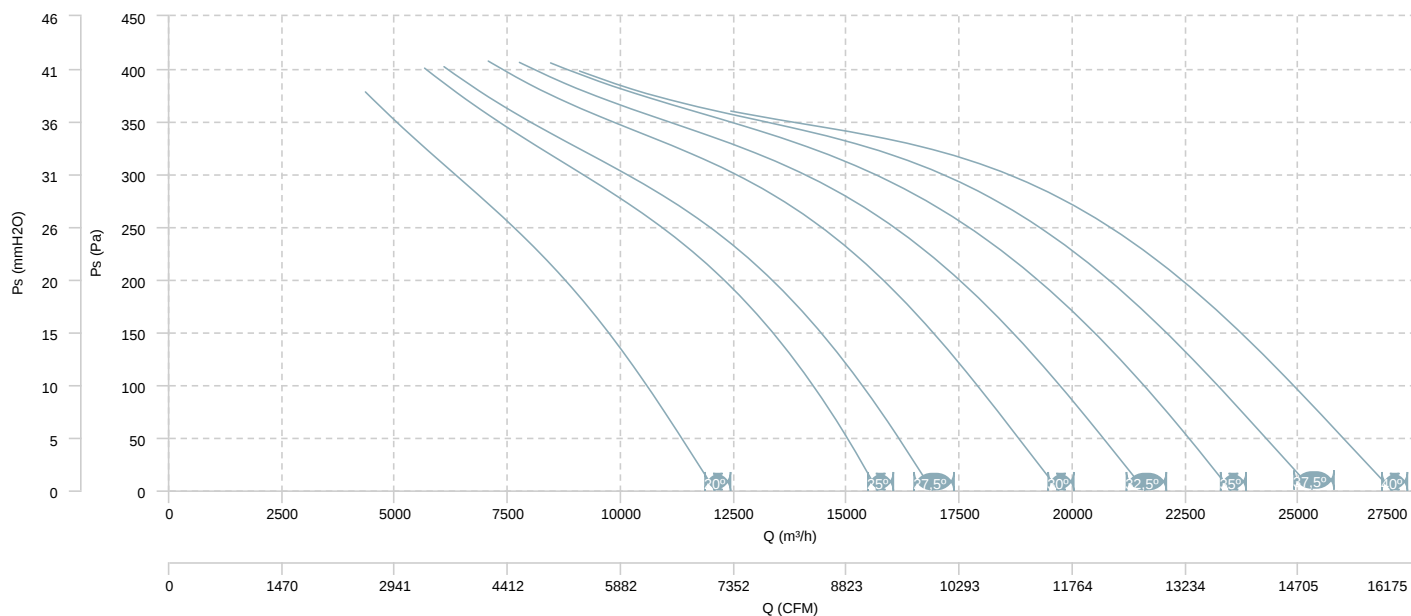


AIR FLOW - MECHANICAL POWER

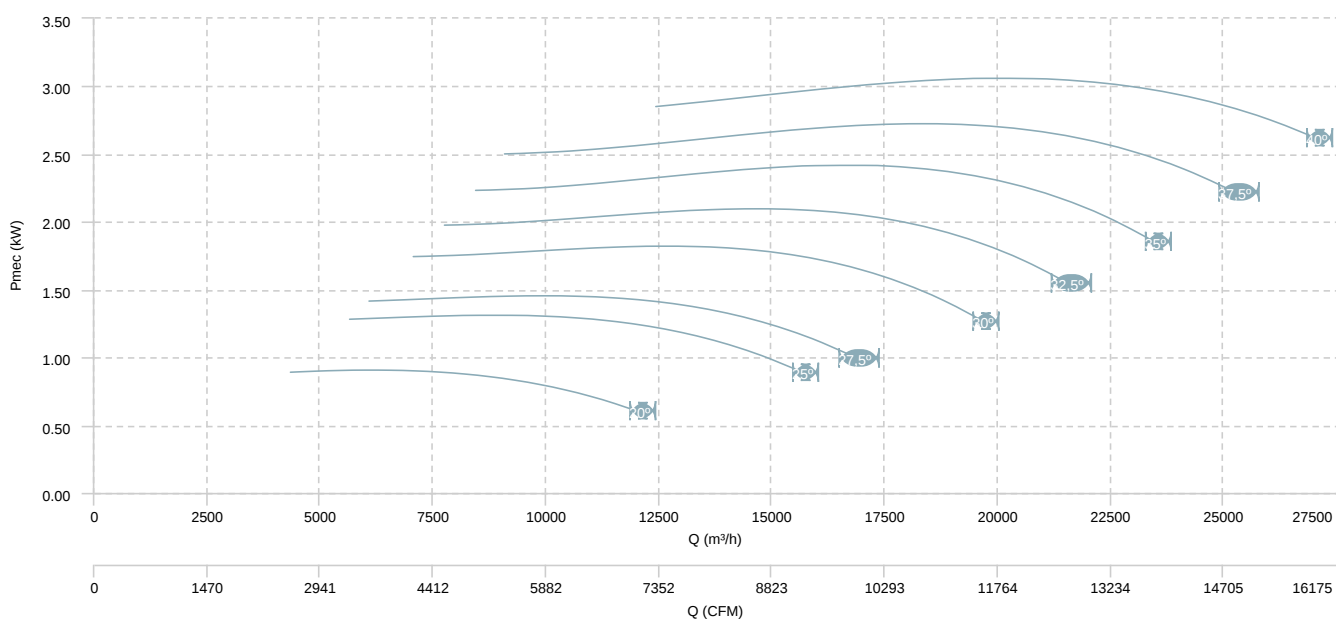


BOX HBA 71 T4 (A2:9)

AIR FLOW - PRESSURE

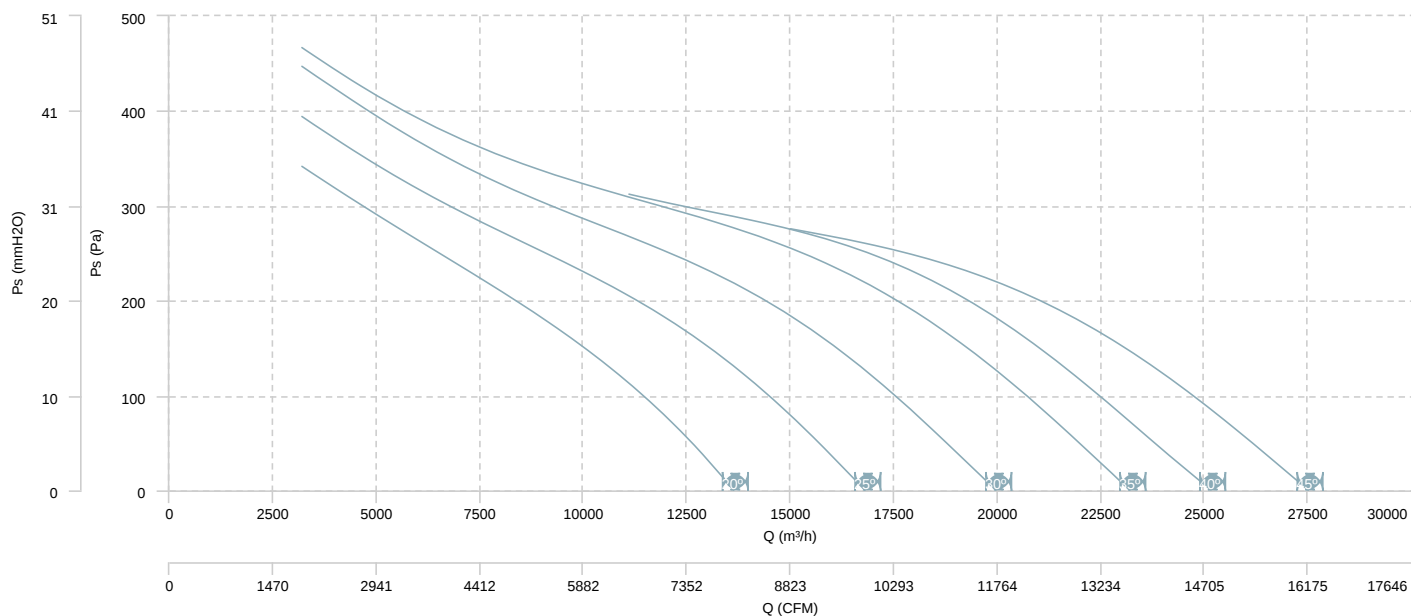


AIR FLOW - MECHANICAL POWER

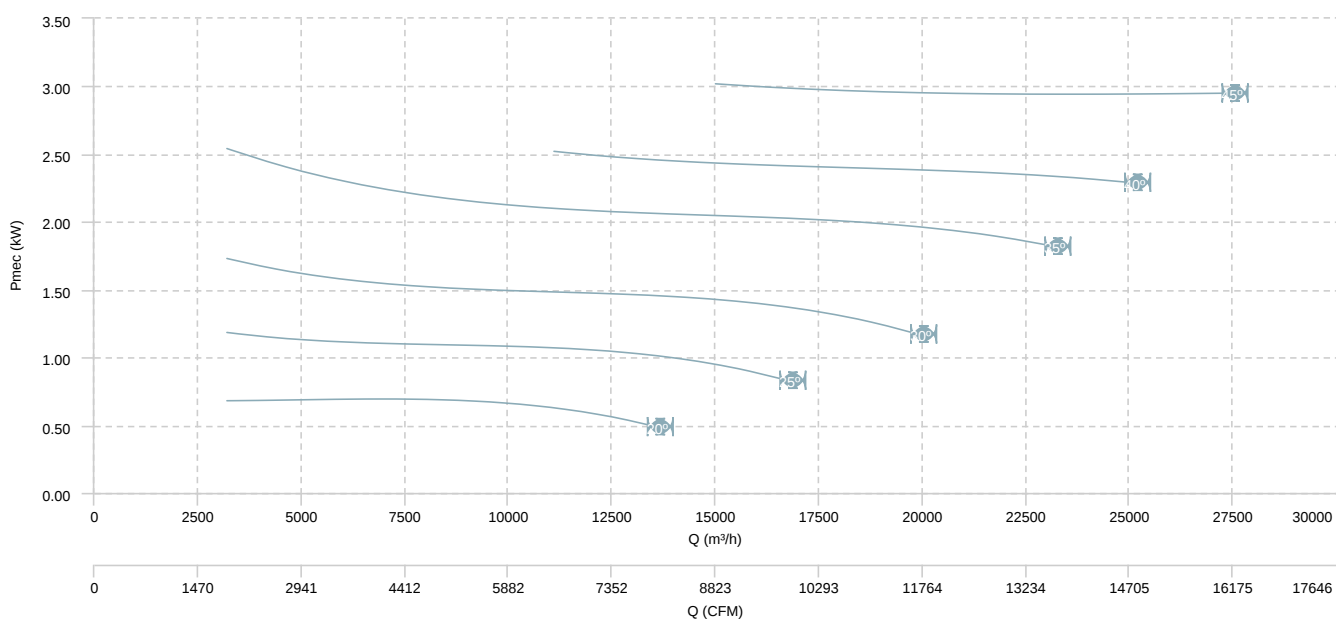


BOX HBA 71 T4 (A5:6)

AIR FLOW - PRESSURE

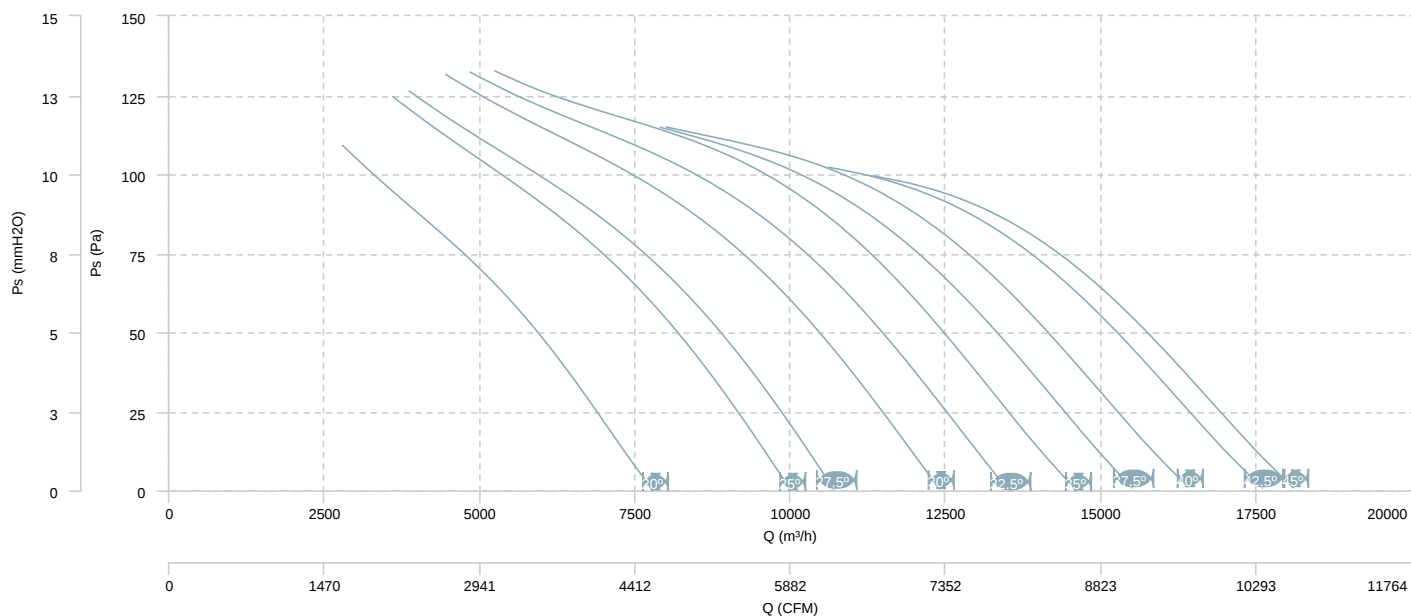


AIR FLOW - MECHANICAL POWER

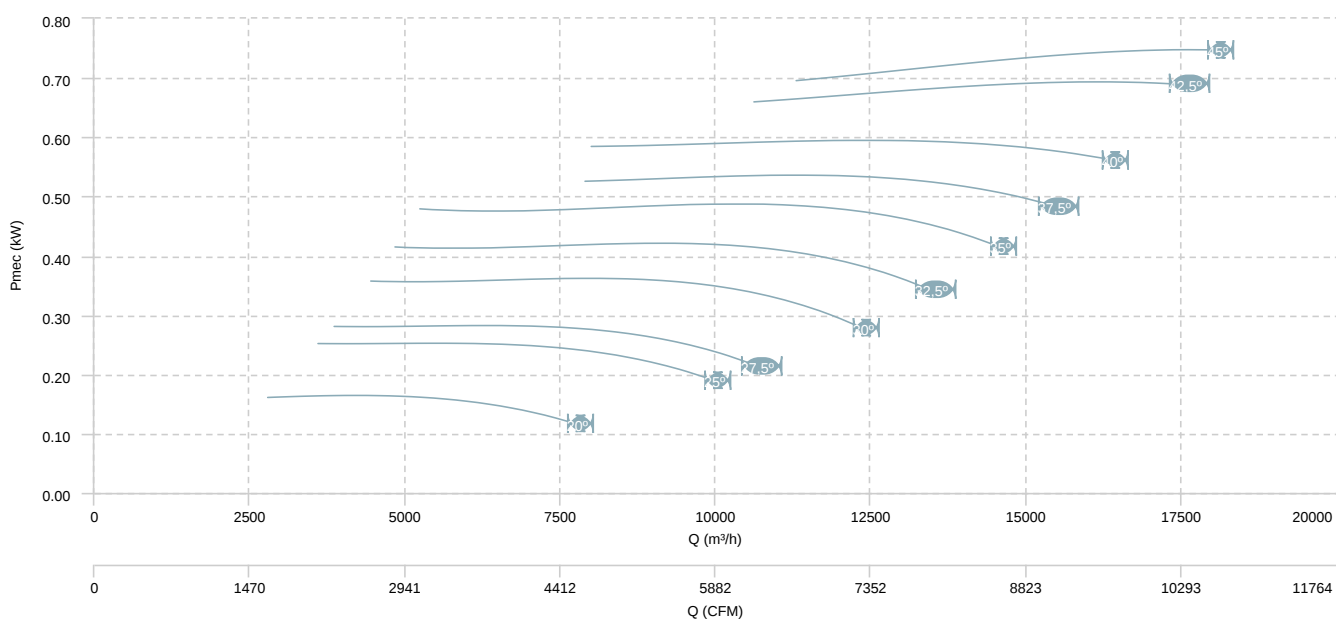


BOX HBA 71 T6 (A2:6)

AIR FLOW - PRESSURE

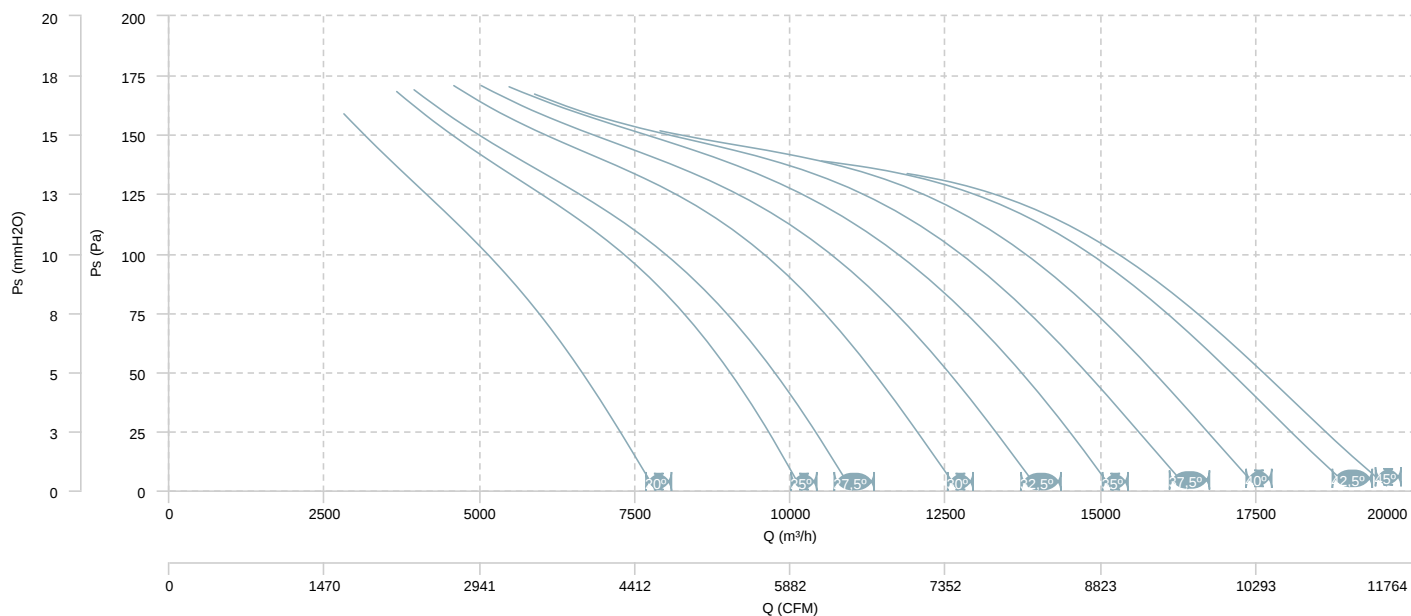


AIR FLOW - MECHANICAL POWER

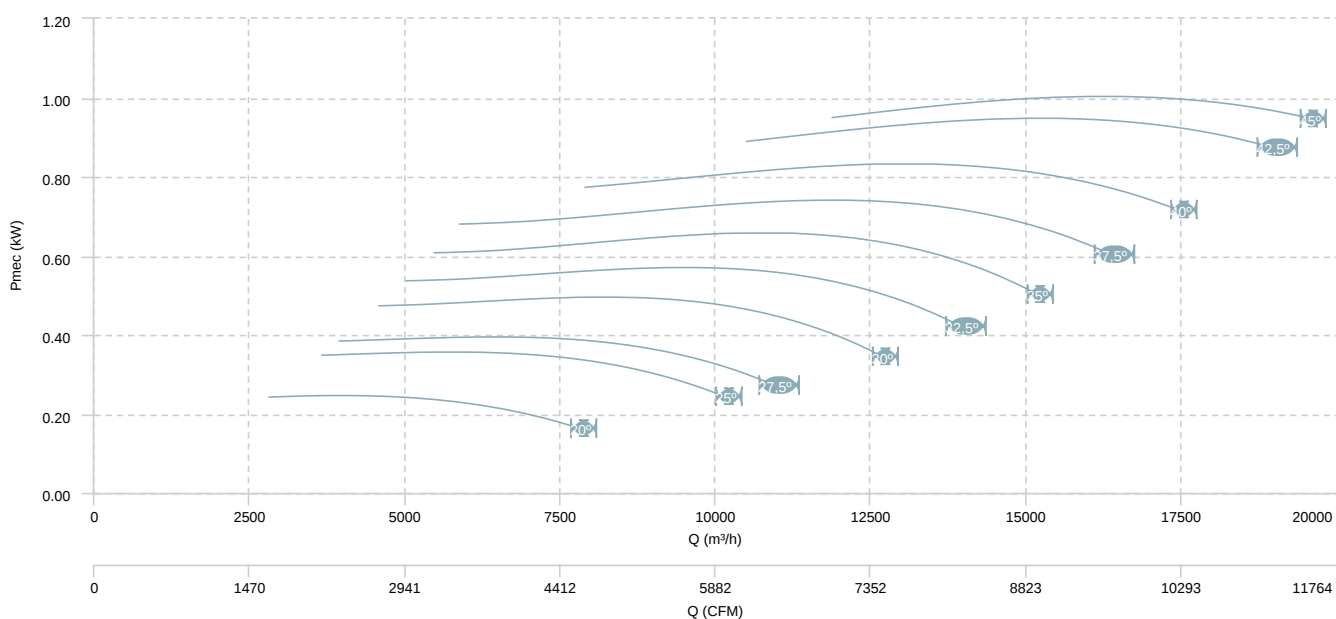


BOX HBA 71 T6 (A2:9)

AIR FLOW - PRESSURE

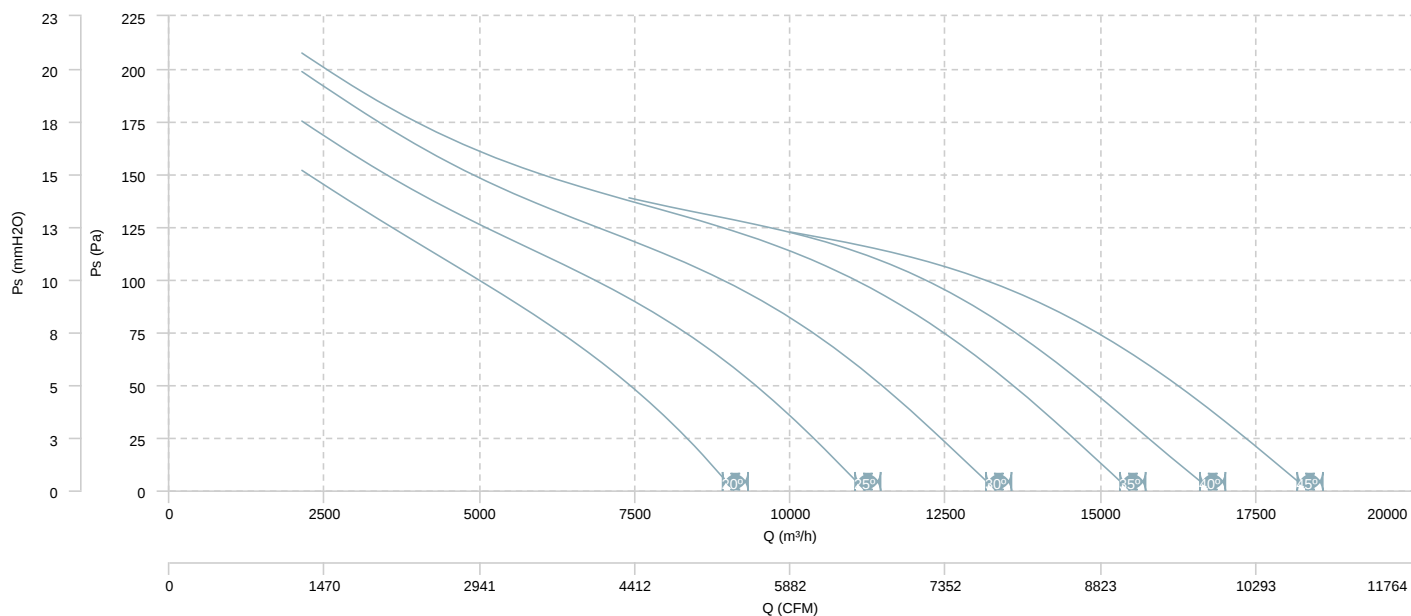


AIR FLOW - MECHANICAL POWER

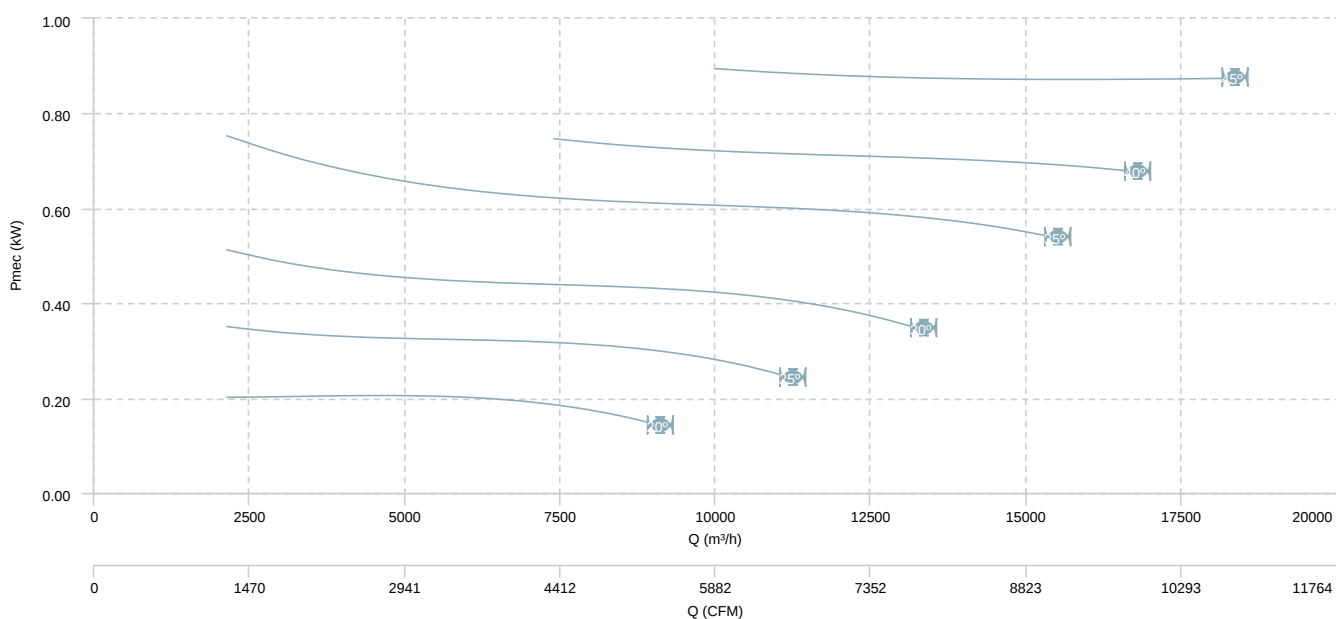


BOX HBA 71 T6 (A5:6)

AIR FLOW - PRESSURE

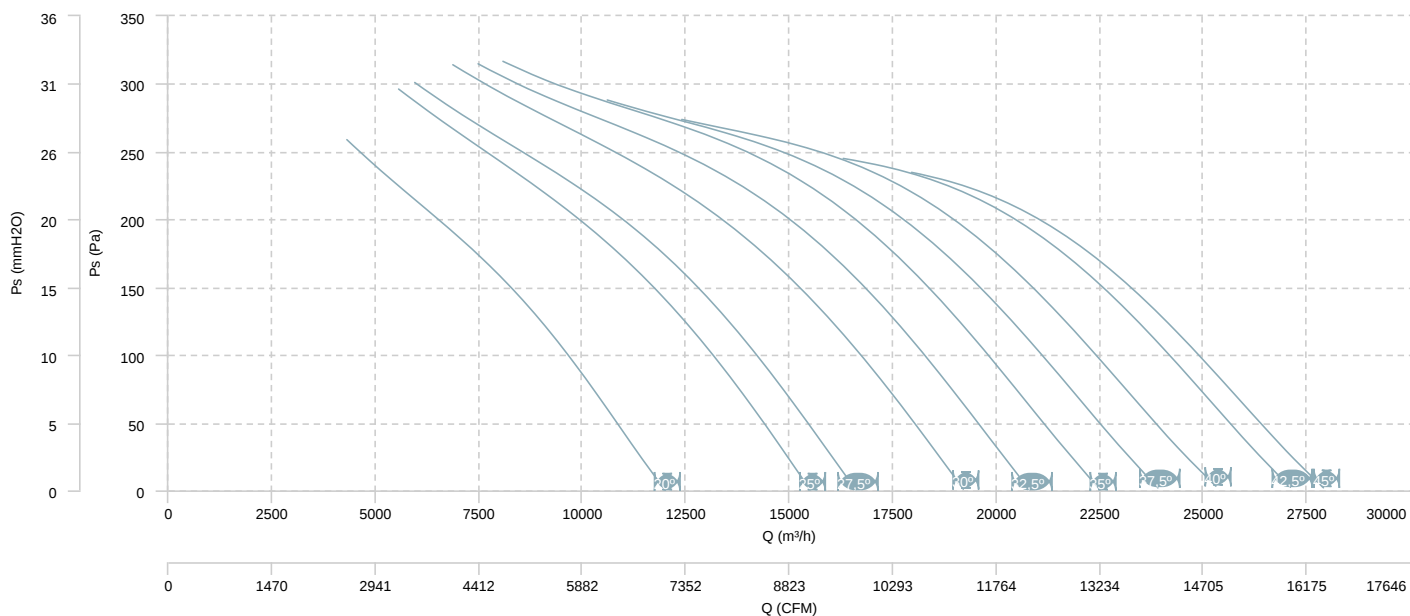


AIR FLOW - MECHANICAL POWER

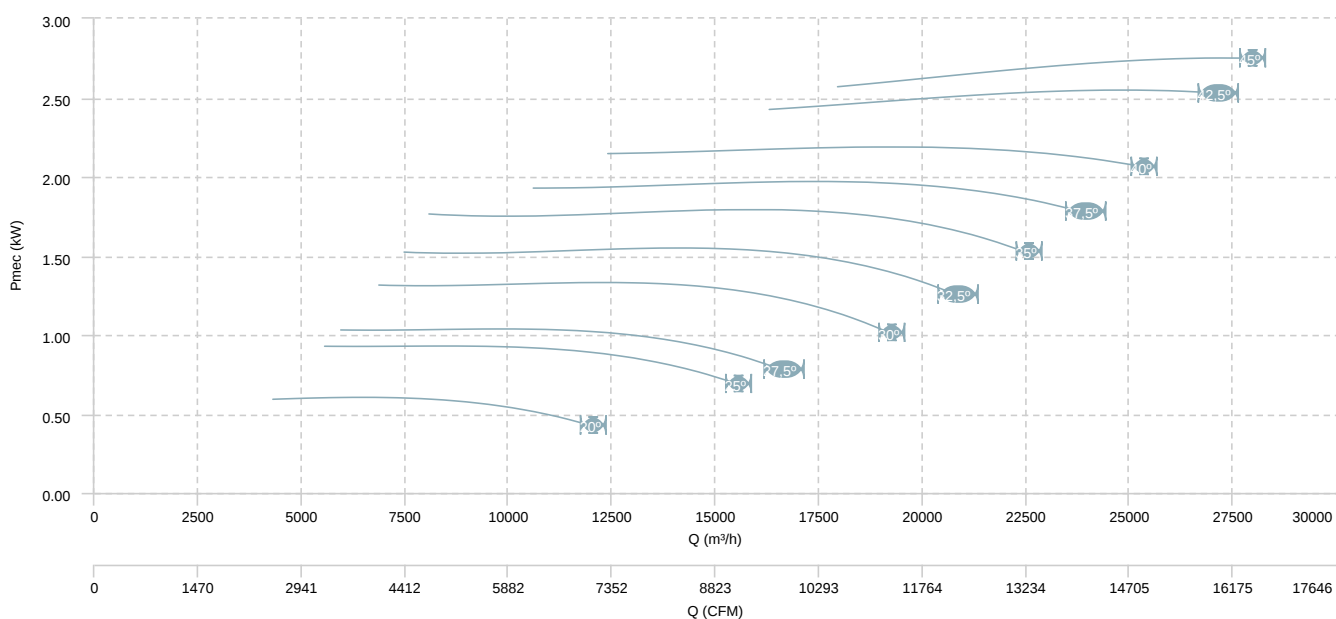


BOX HBA 71 T4/T8 (A2:6)

AIR FLOW - PRESSURE (4 poles)

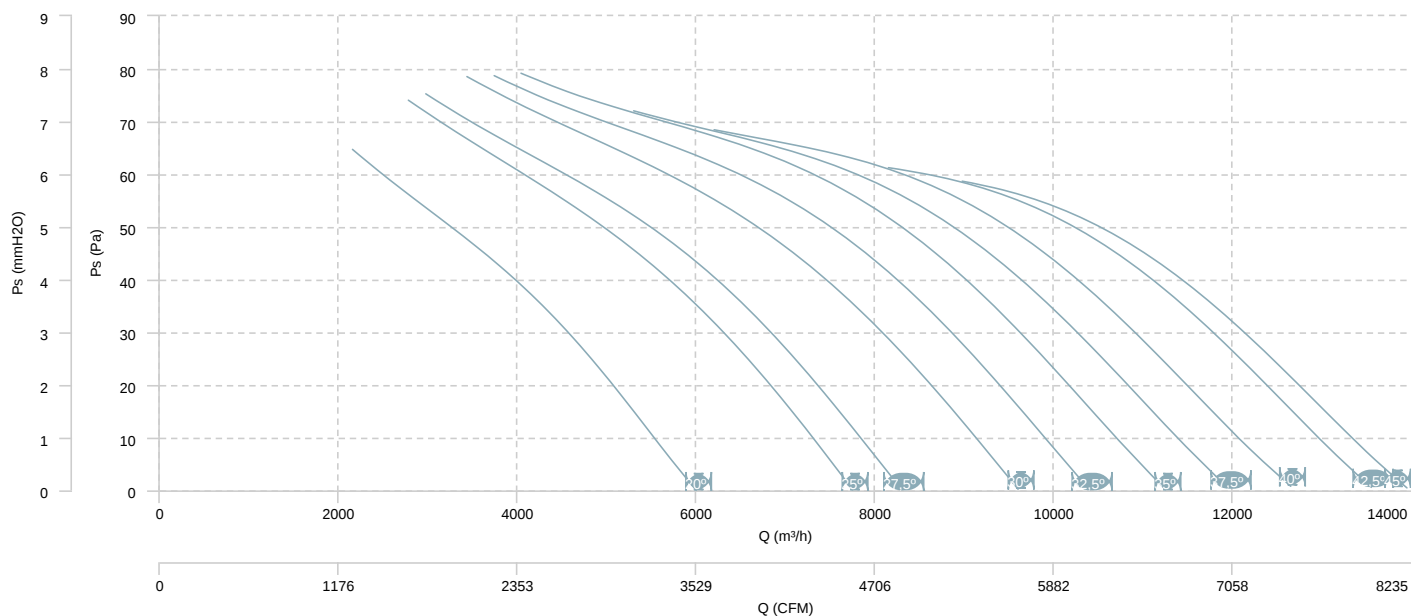


AIR FLOW - MECHANICAL POWER (4 poles)

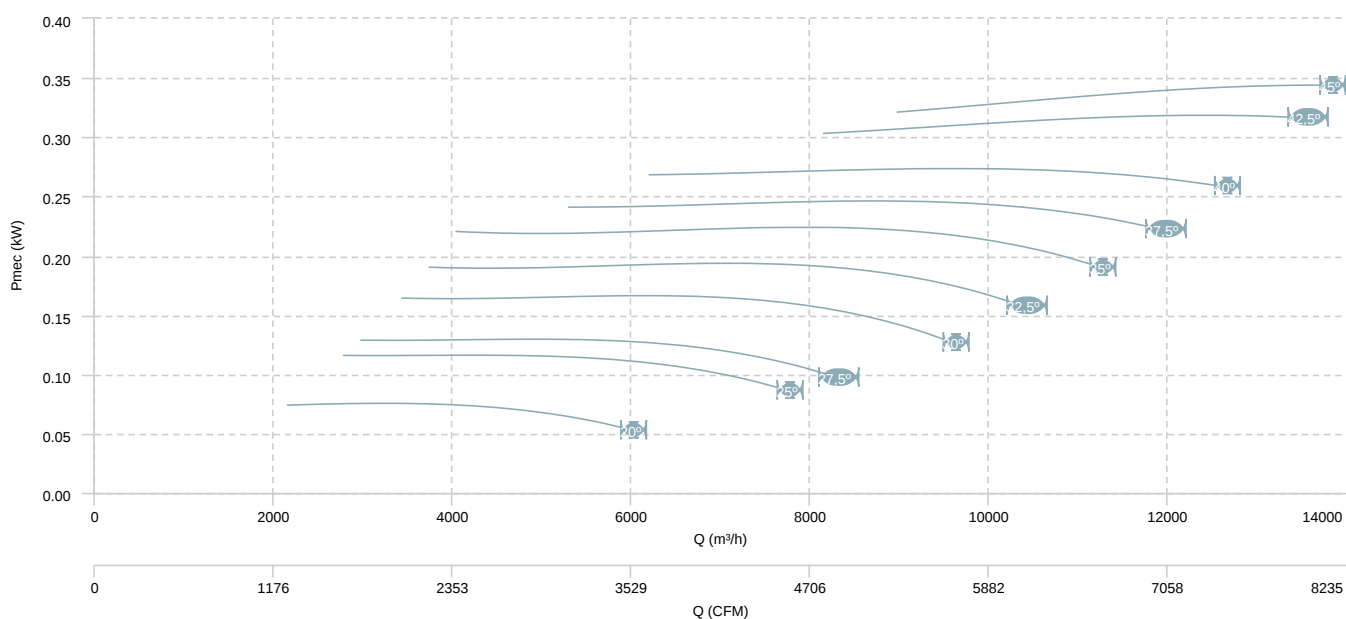


BOX HBA 71 T4/T8 (A2:6)

AIR FLOW - PRESSURE (8 poles)

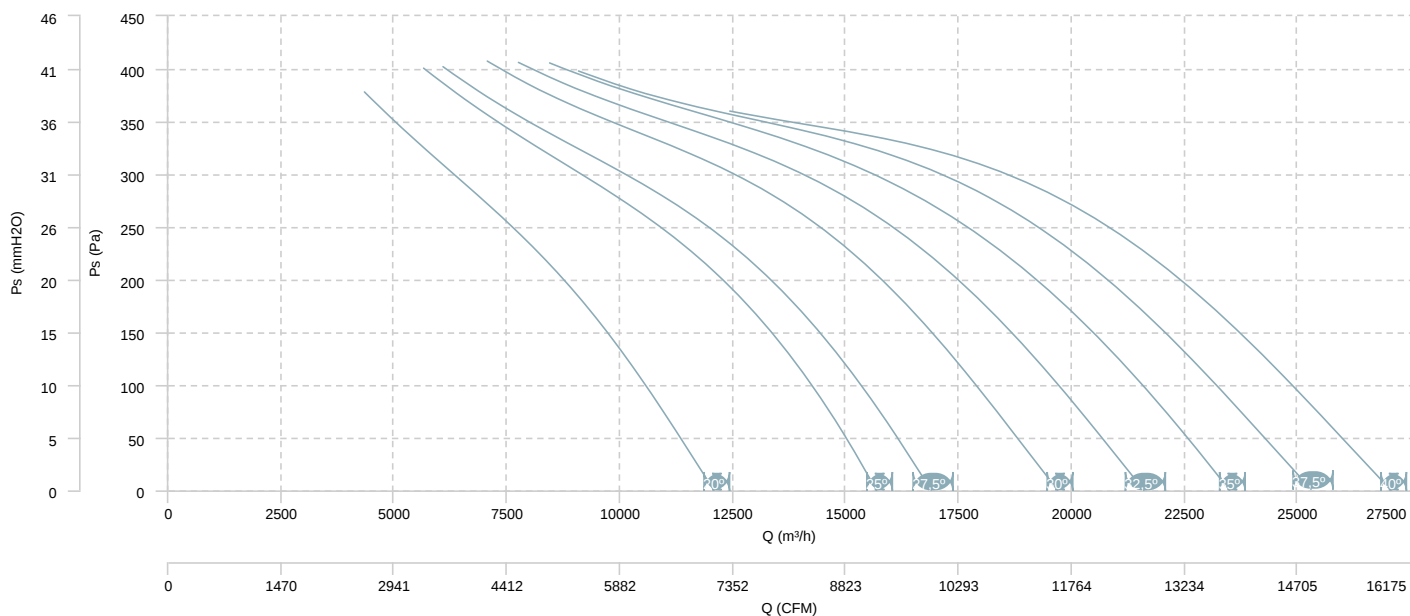


AIR FLOW - MECHANICAL POWER (8 poles)

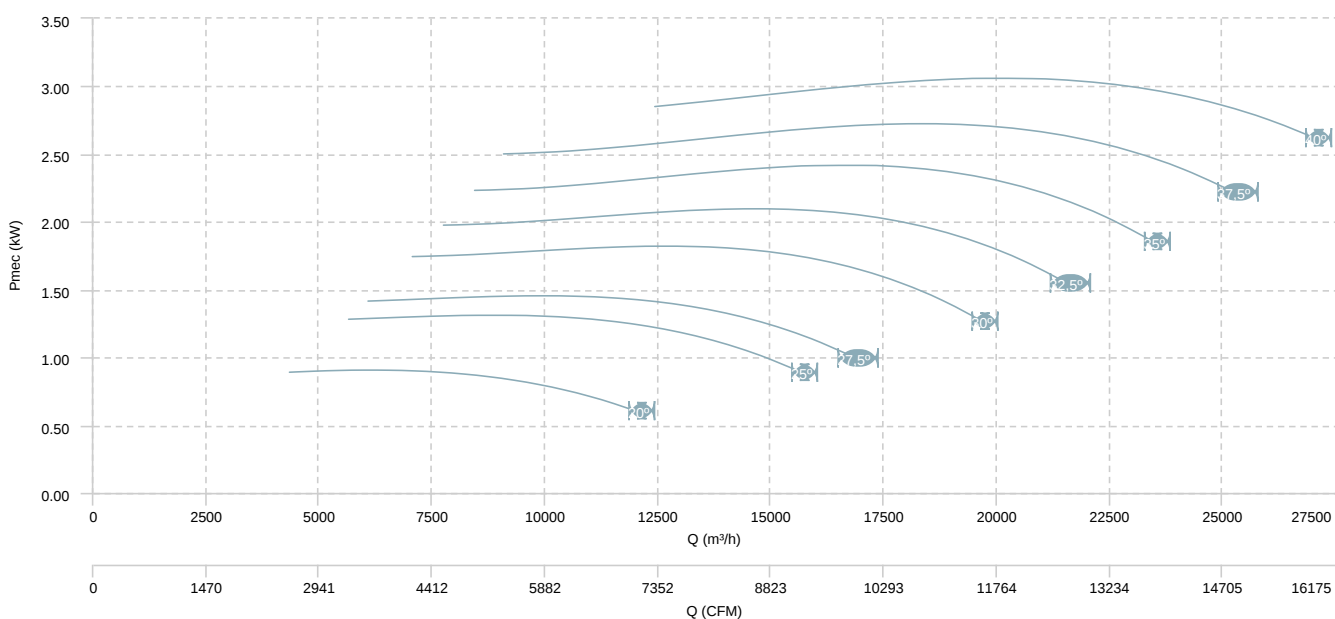


BOX HBA 71 T4/T8 (A2:9)

AIR FLOW - PRESSURE (4 poles)

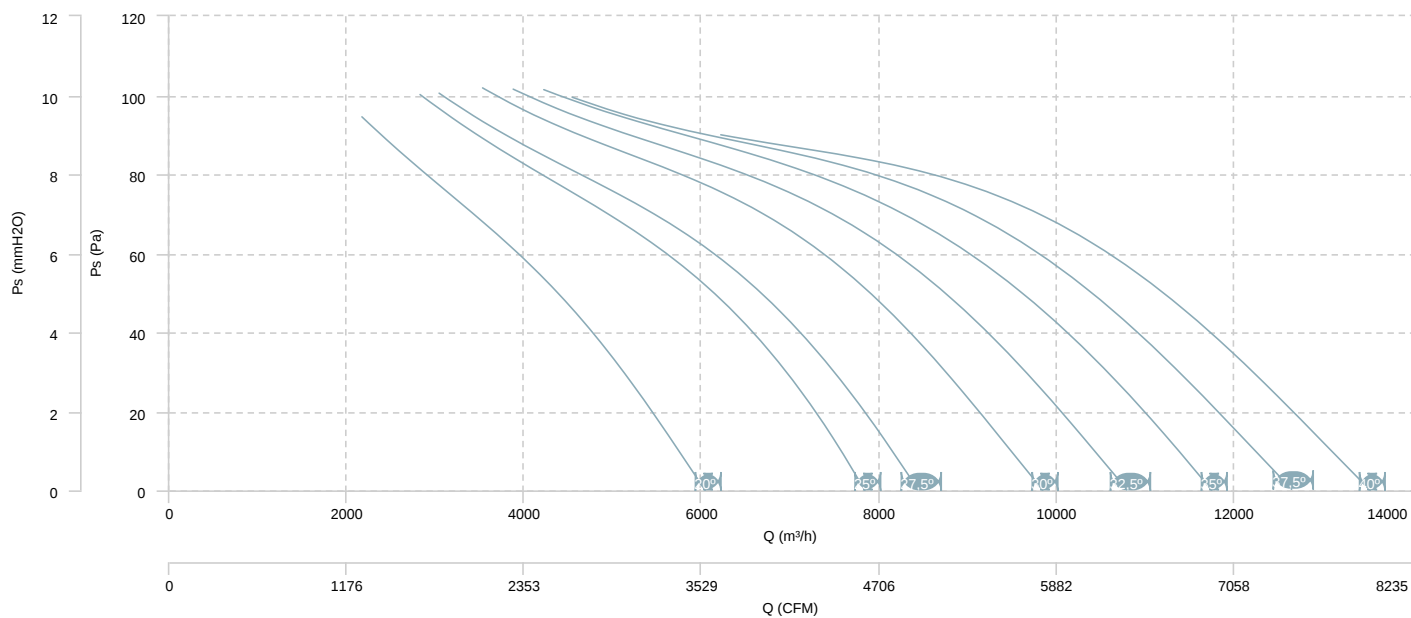


AIR FLOW - MECHANICAL POWER (4 poles)

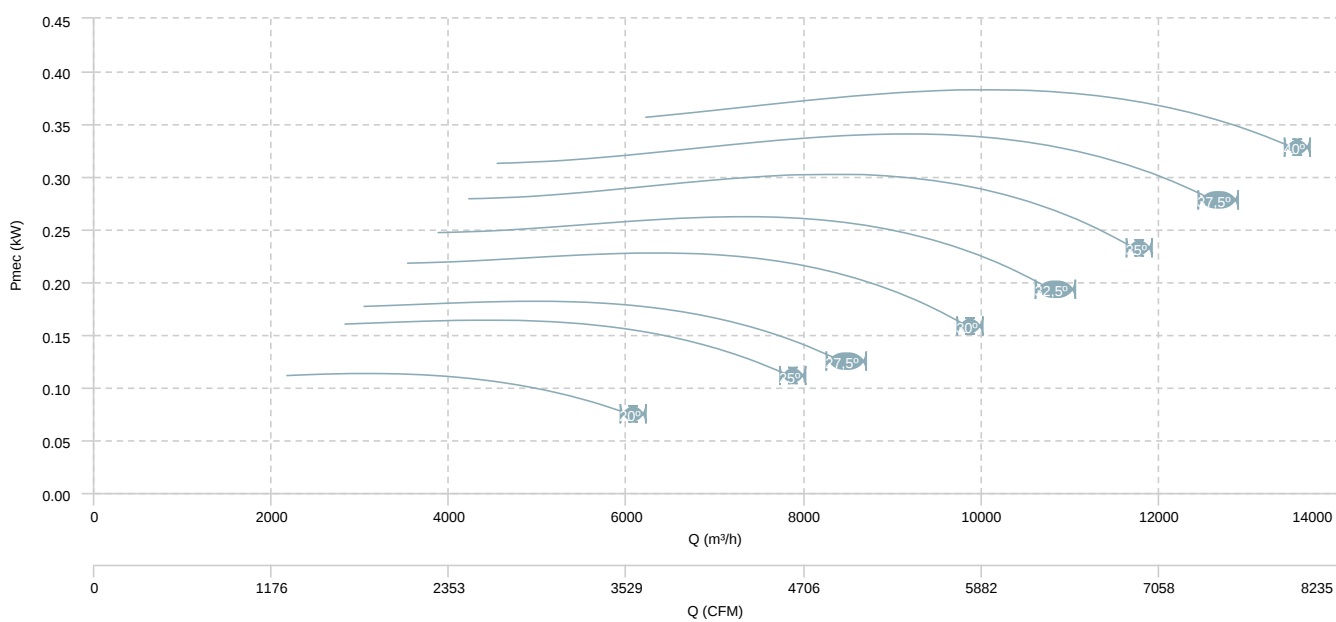


BOX HBA 71 T4/T8 (A2:9)

AIR FLOW - PRESSURE (8 poles)

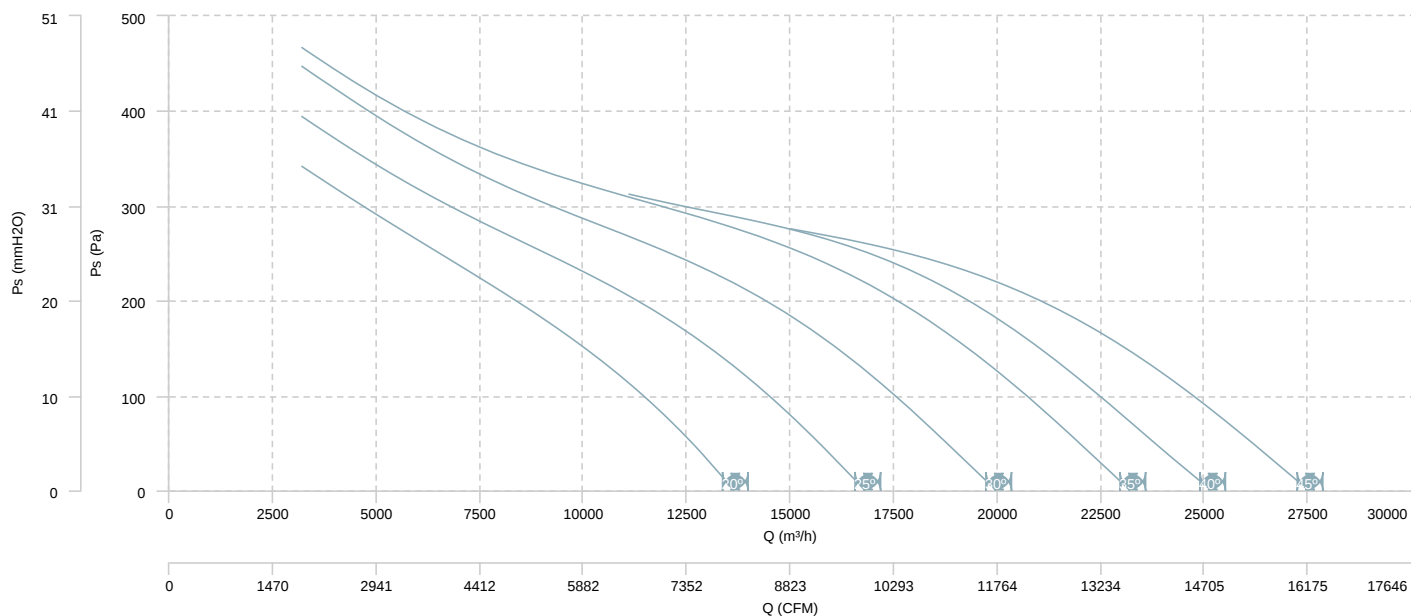


AIR FLOW - MECHANICAL POWER (8 poles)

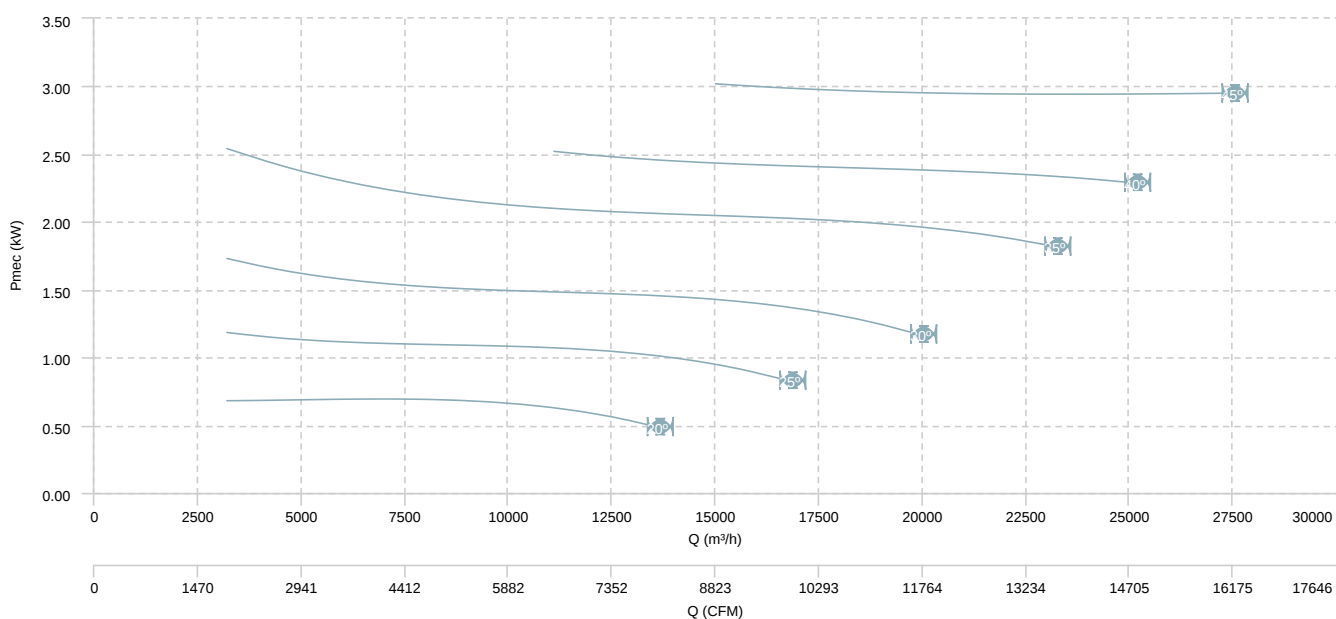


BOX HBA 71 T4/T8 (A5:6)

AIR FLOW - PRESSURE (4 poles)

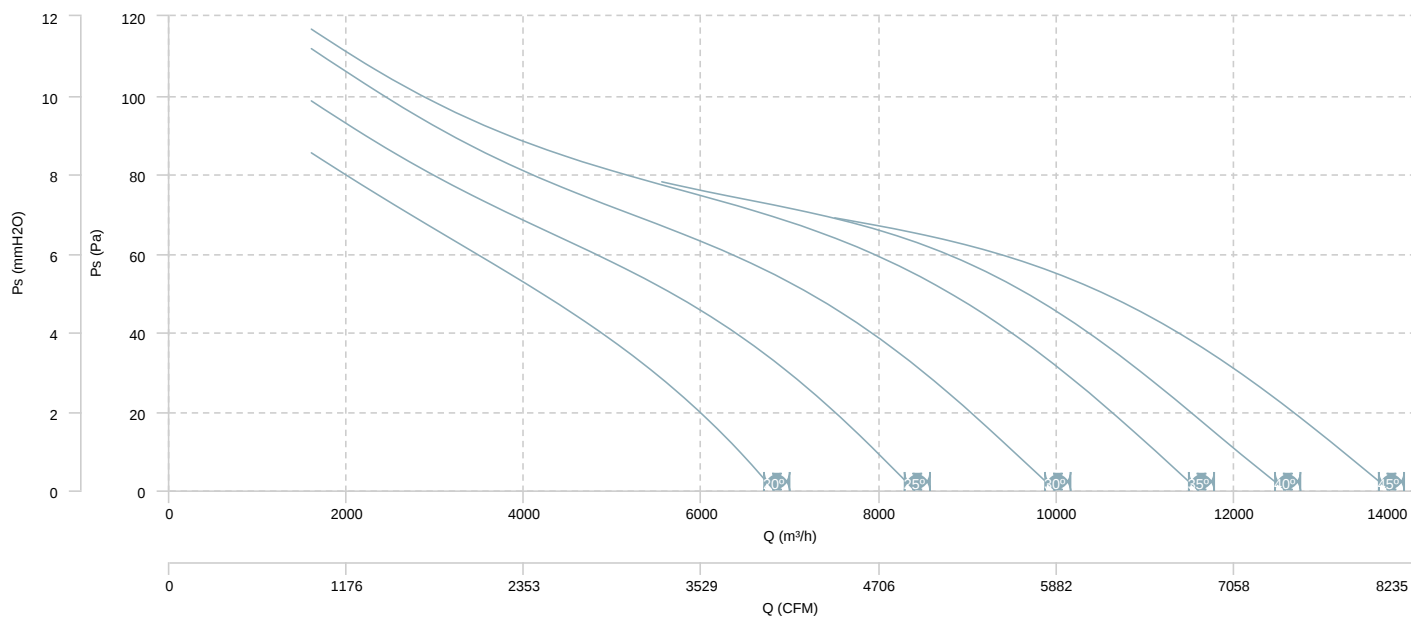


AIR FLOW - MECHANICAL POWER (4 poles)

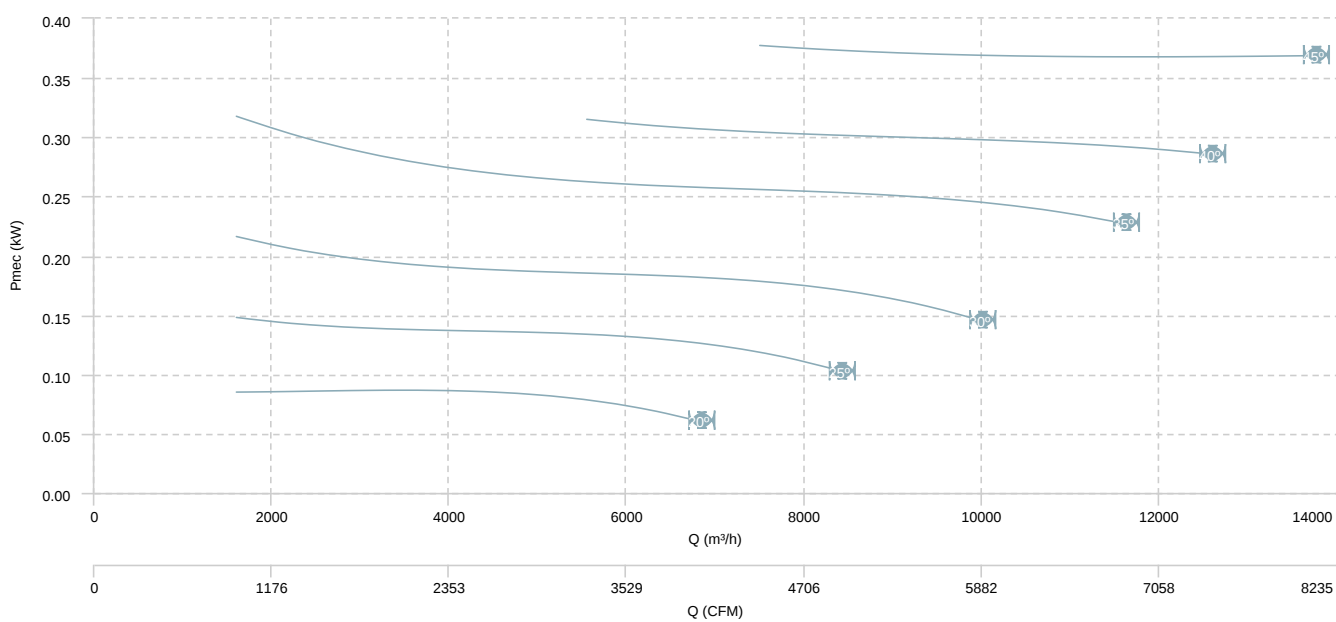


BOX HBA 71 T4/T8 (A5:6)

AIR FLOW - PRESSURE (8 poles)

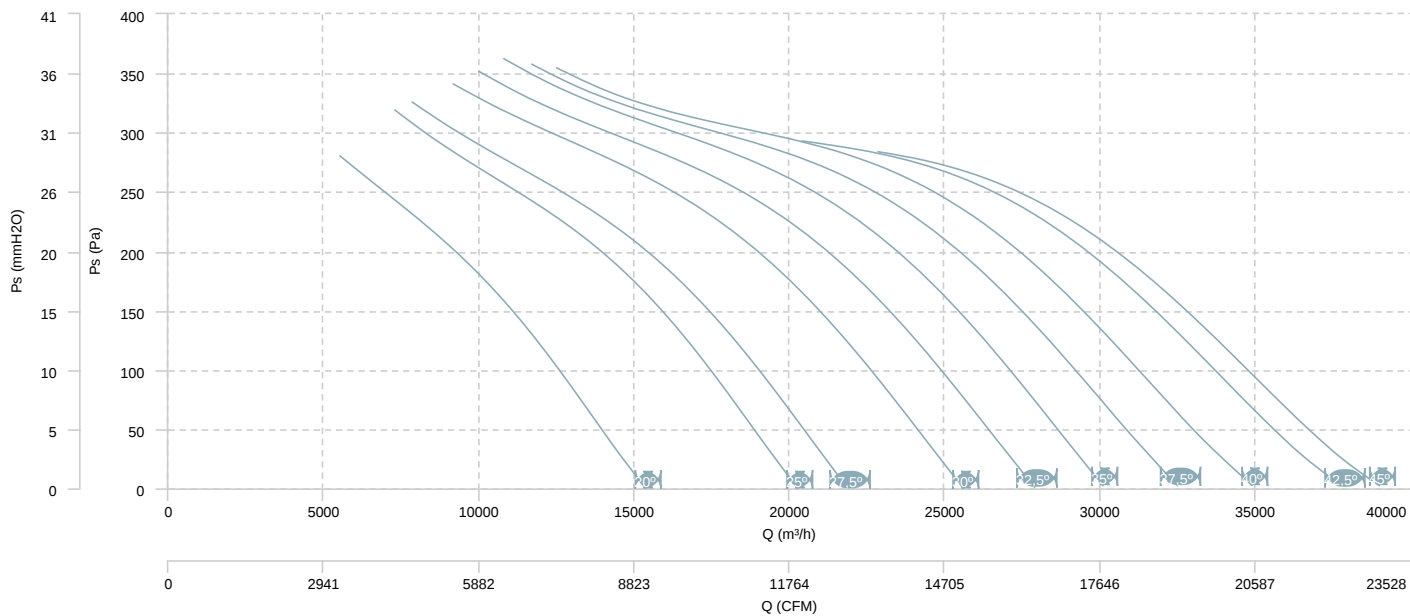


AIR FLOW - MECHANICAL POWER (8 poles)

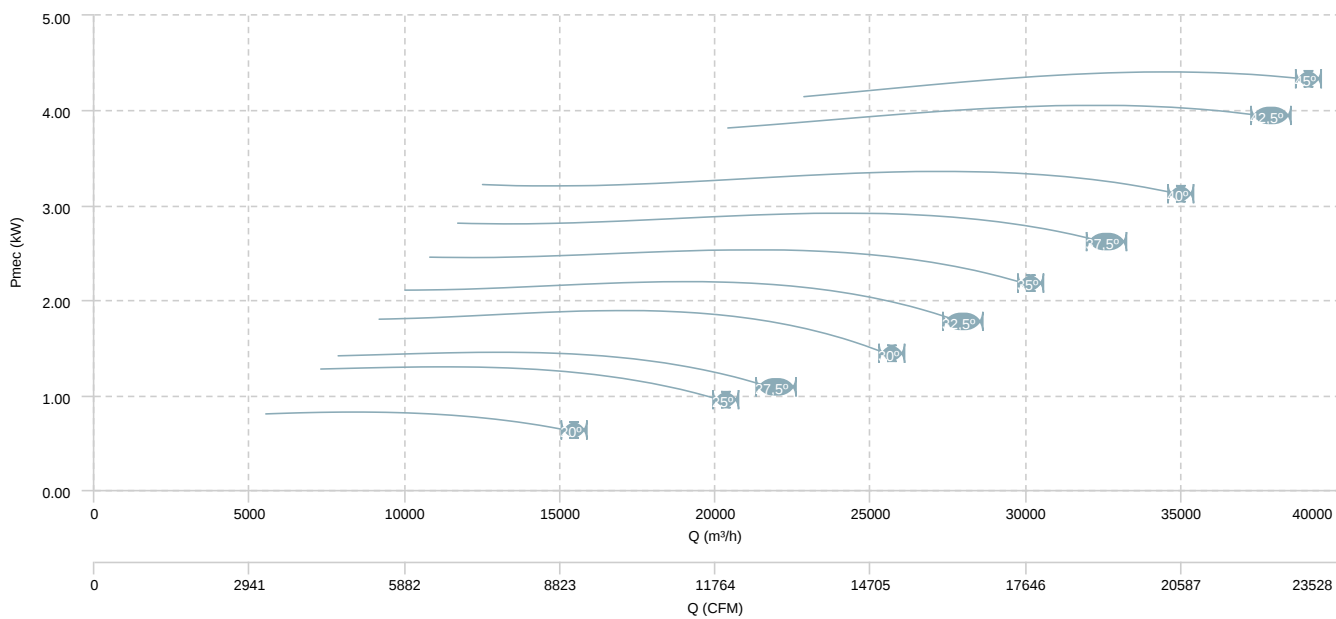


BOX HBA 80 T4 (A2:6)

AIR FLOW - PRESSURE

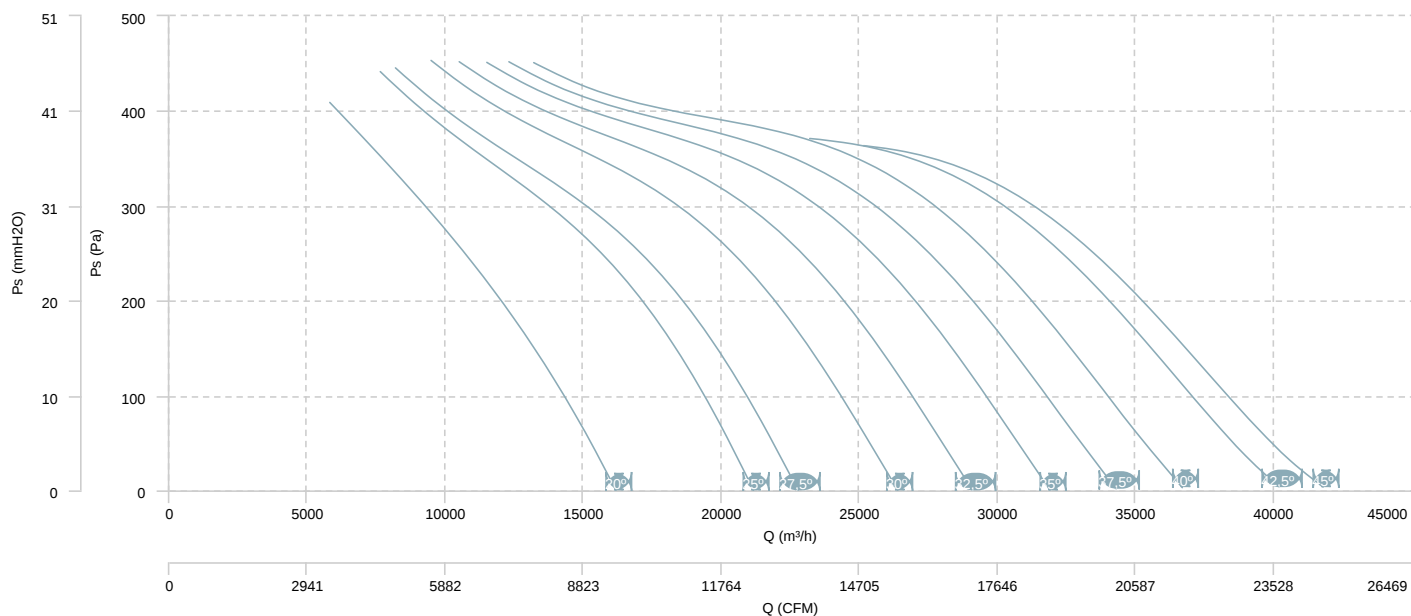


AIR FLOW - MECHANICAL POWER

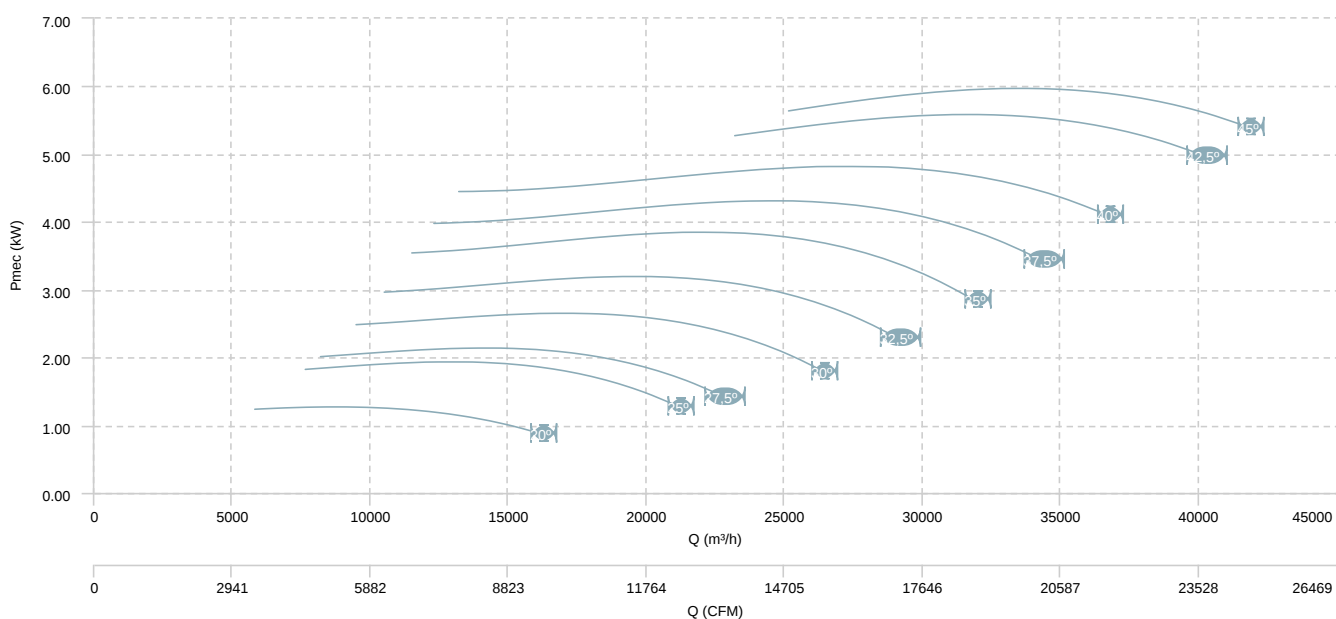


BOX HBA 80 T4 (A2:9)

AIR FLOW - PRESSURE

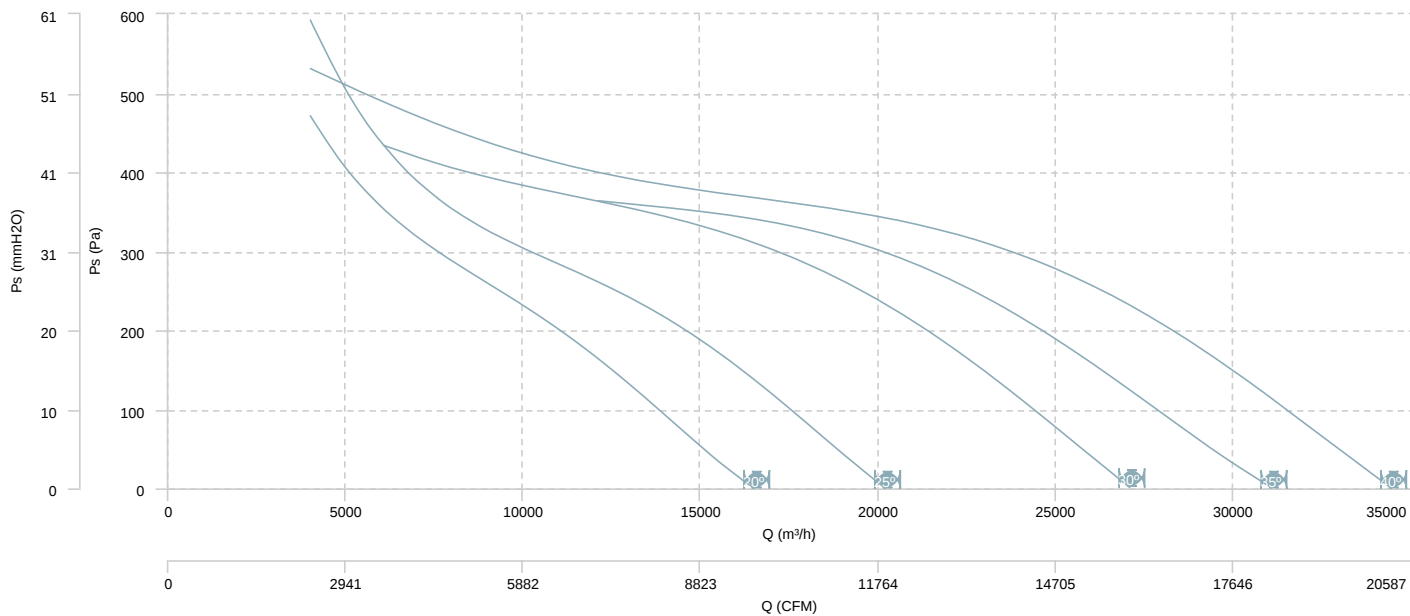


AIR FLOW - MECHANICAL POWER

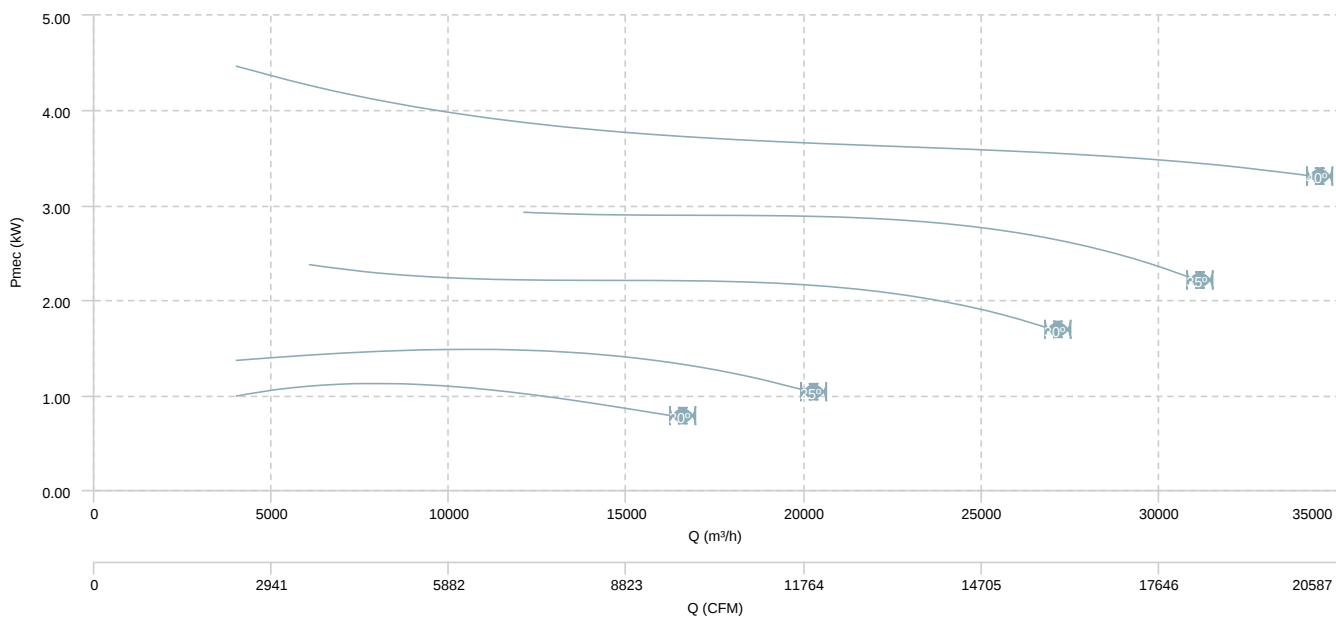


BOX HBA 80 T4 (A5:6)

AIR FLOW - PRESSURE

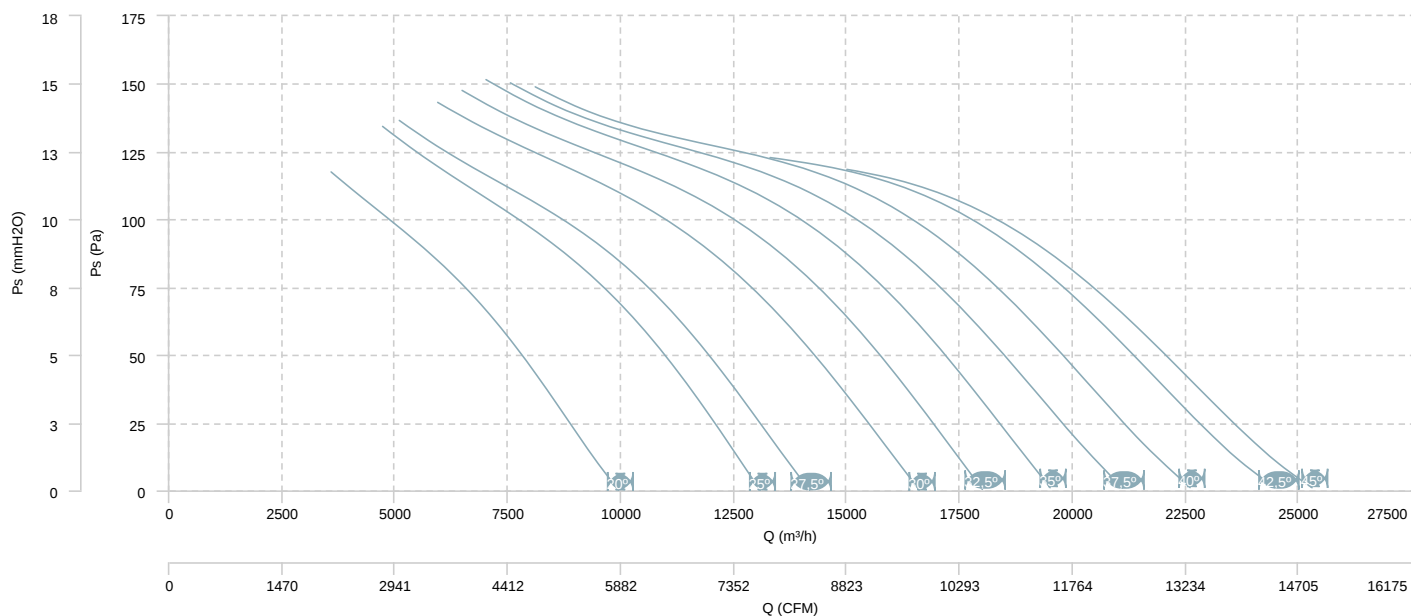


AIR FLOW - MECHANICAL POWER

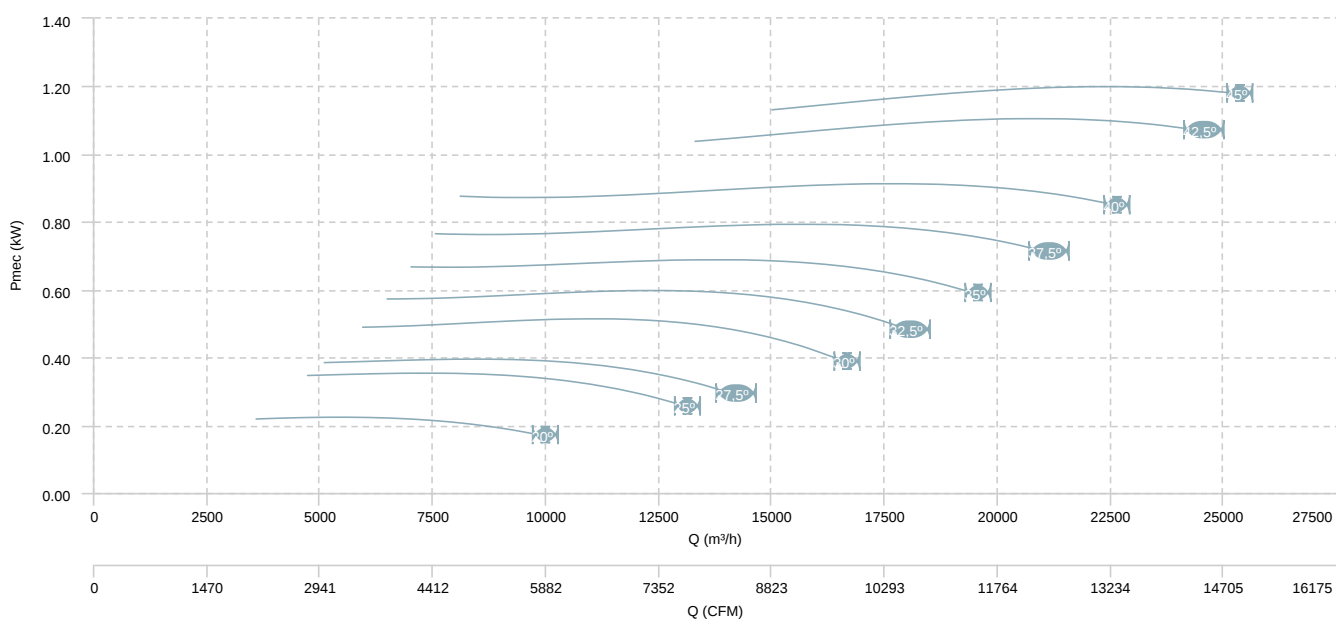


BOX HBA 80 T6 (A2:6)

AIR FLOW - PRESSURE

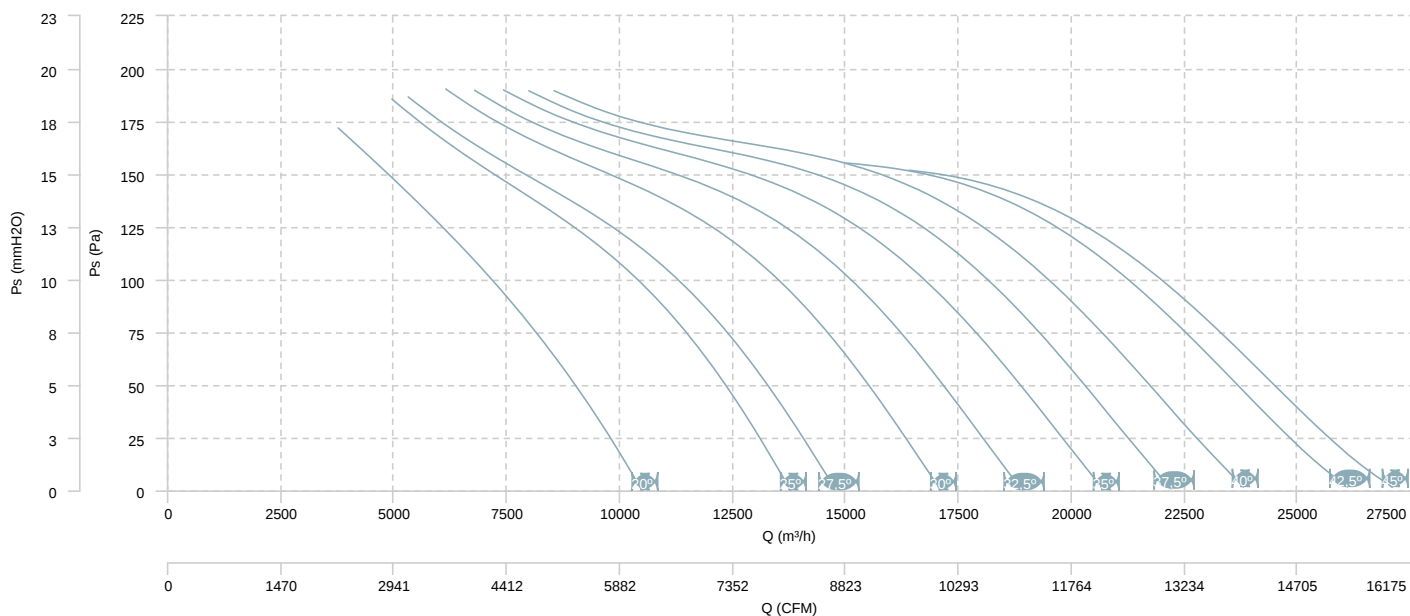


AIR FLOW - MECHANICAL POWER

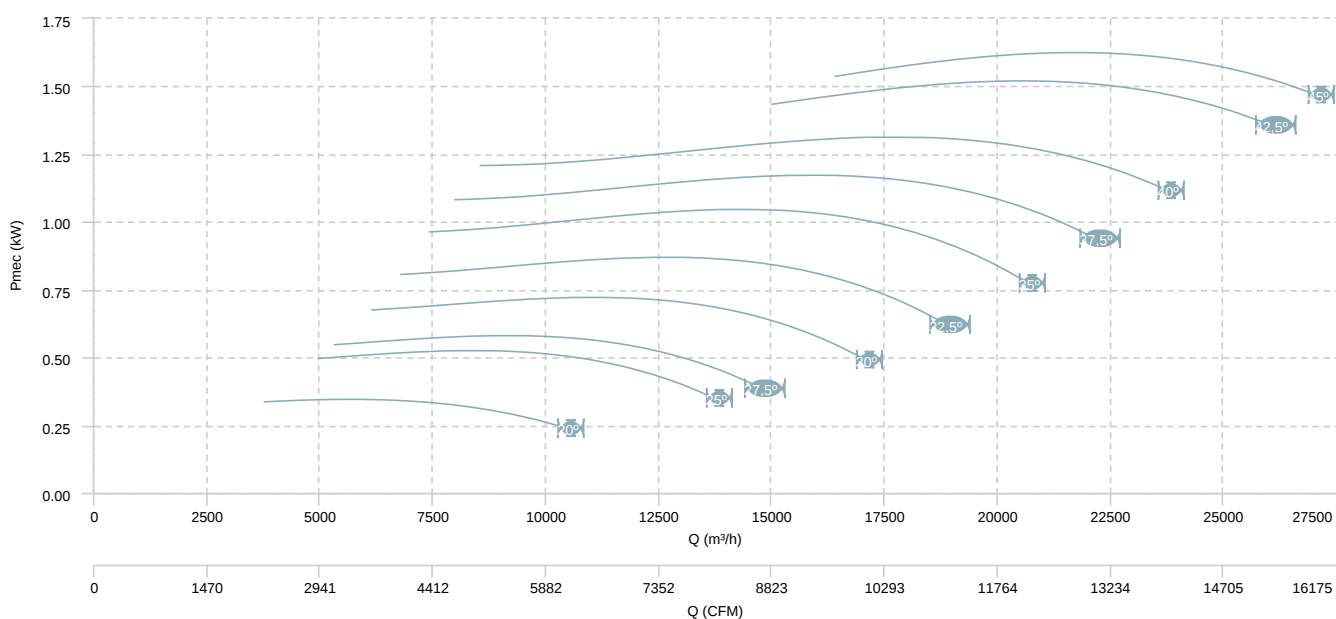


BOX HBA 80 T6 (A2:9)

AIR FLOW - PRESSURE

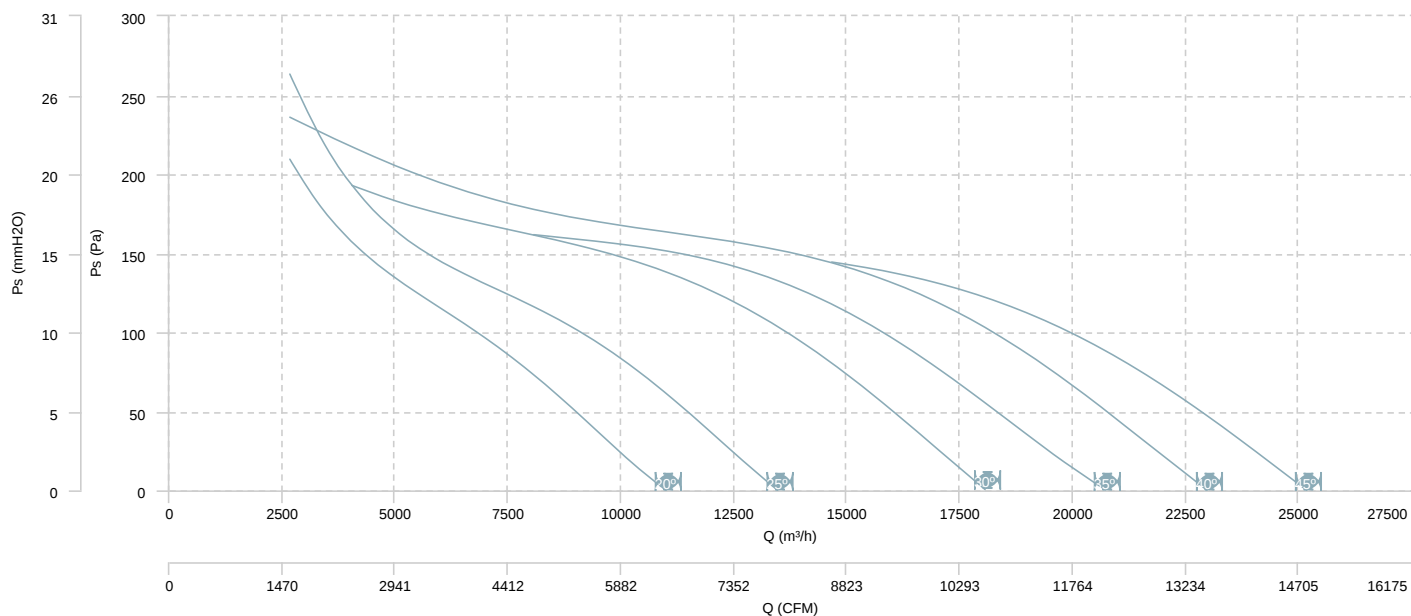


AIR FLOW - MECHANICAL POWER

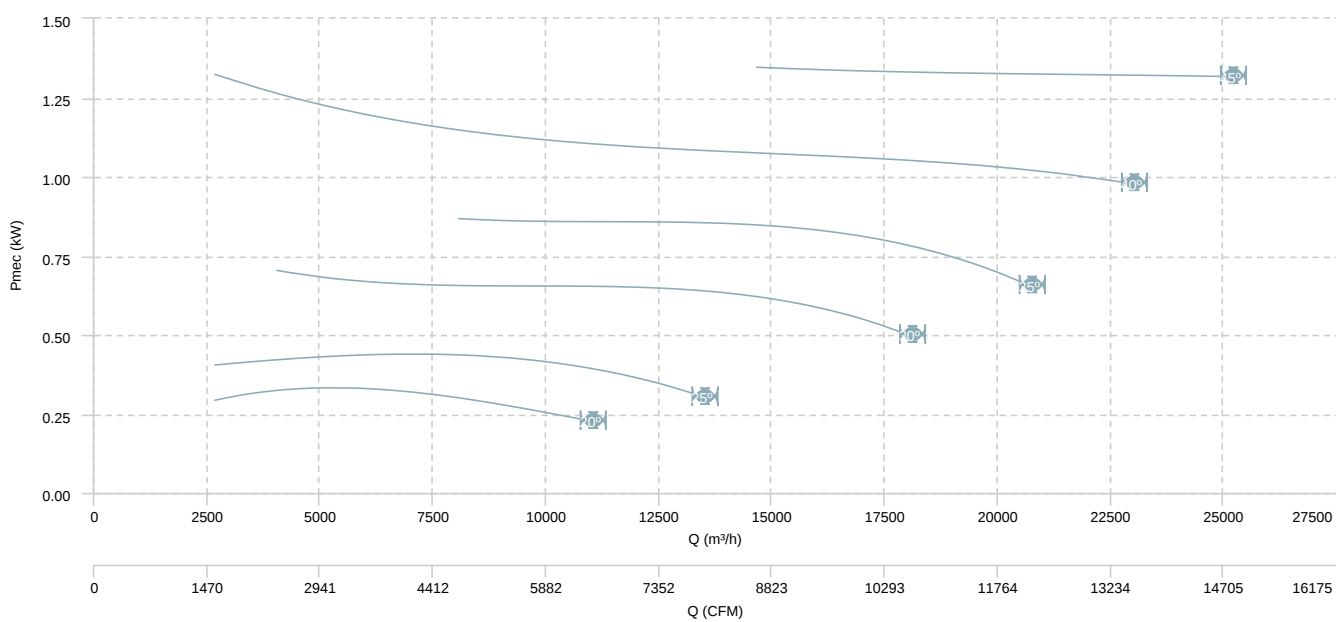


BOX HBA 80 T6 (A5:6)

AIR FLOW - PRESSURE

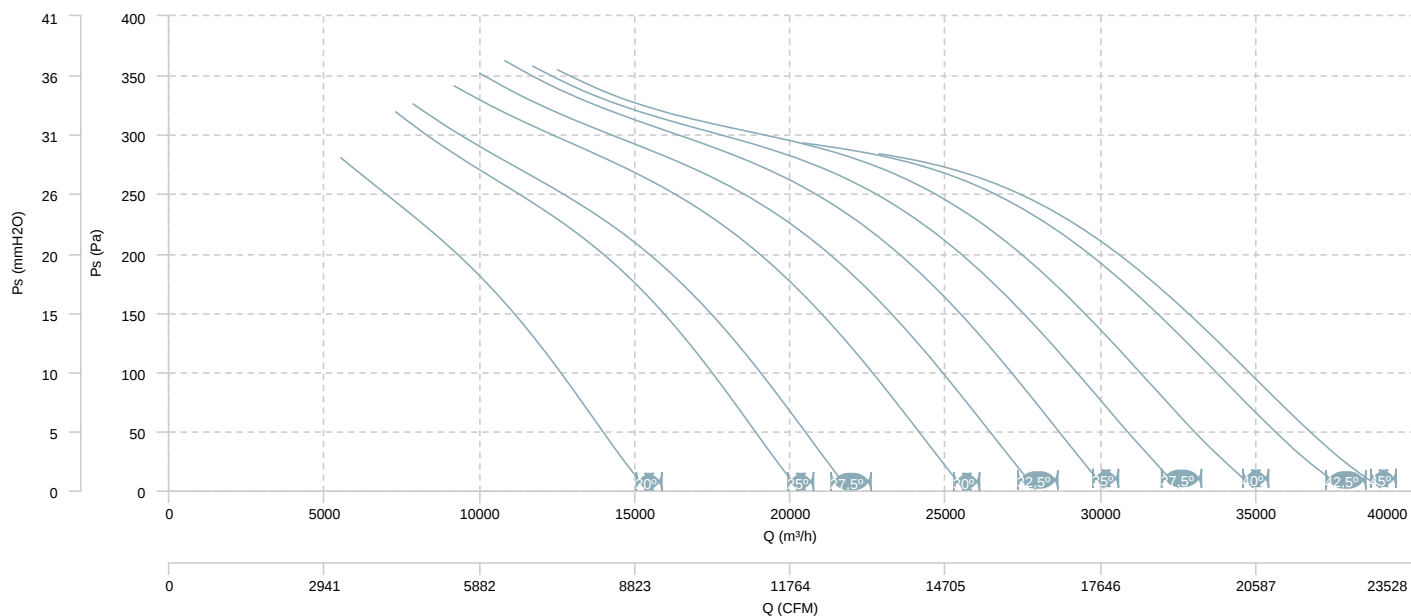


AIR FLOW - MECHANICAL POWER

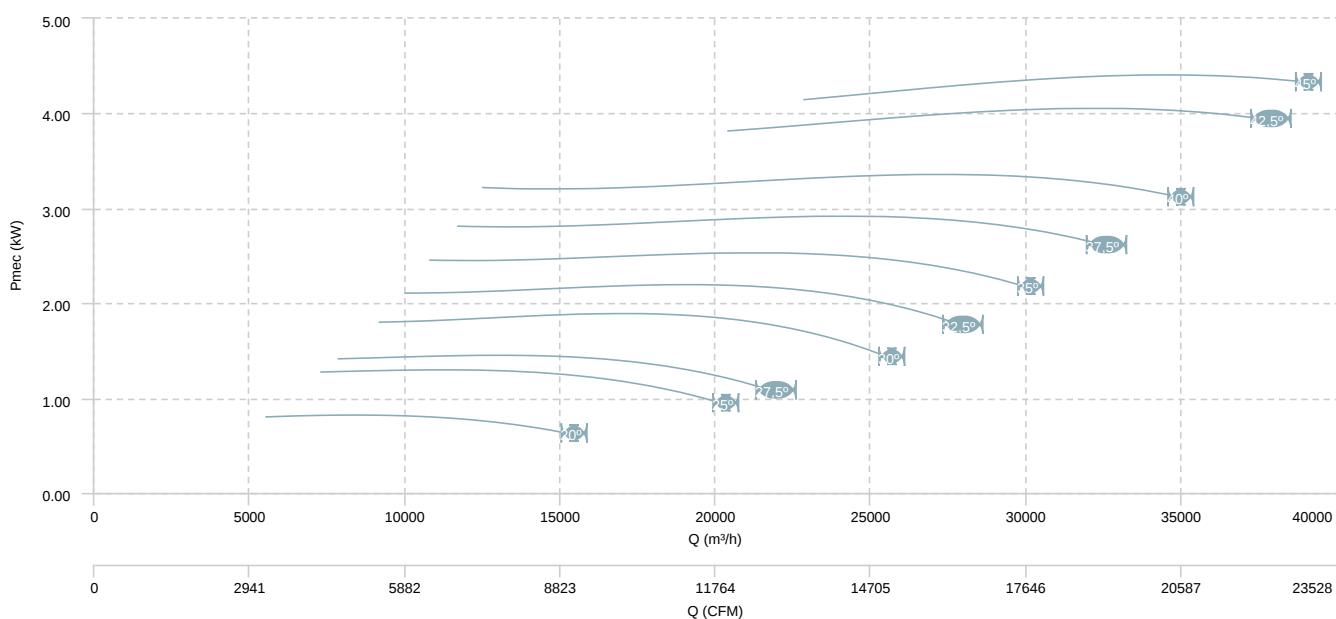


BOX HBA 80 T4/T8 (A2:6)

AIR FLOW - PRESSURE (4 poles)

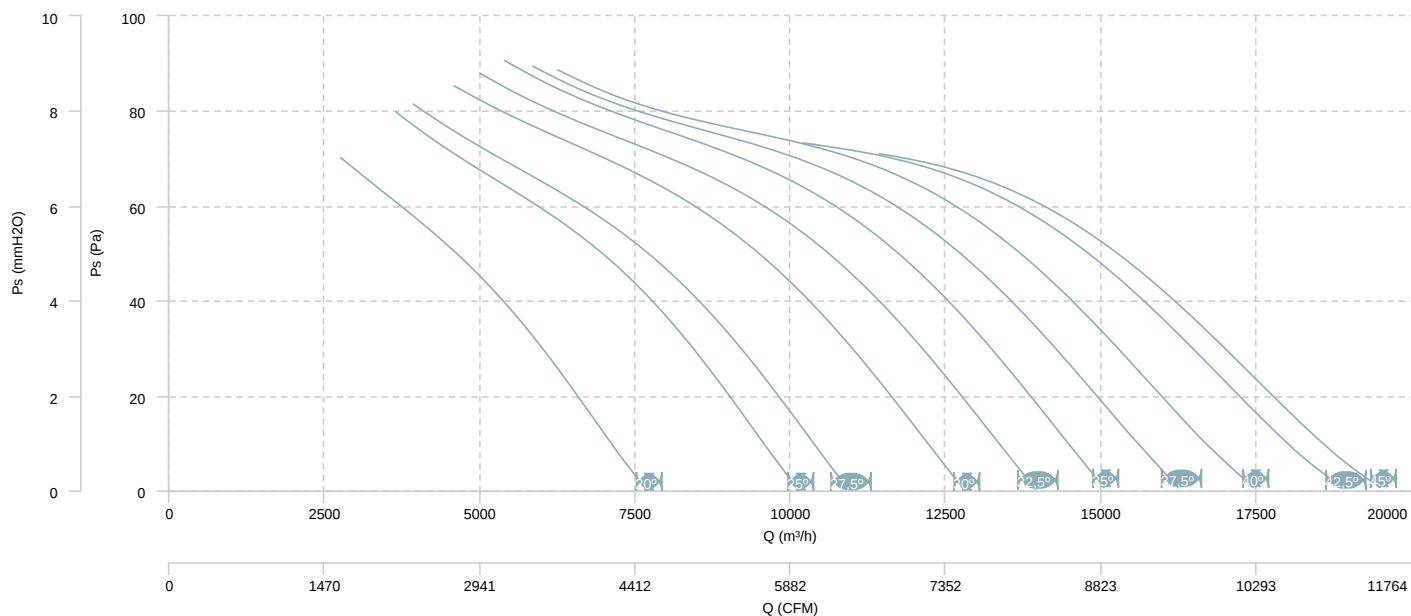


AIR FLOW - MECHANICAL POWER (4 poles)

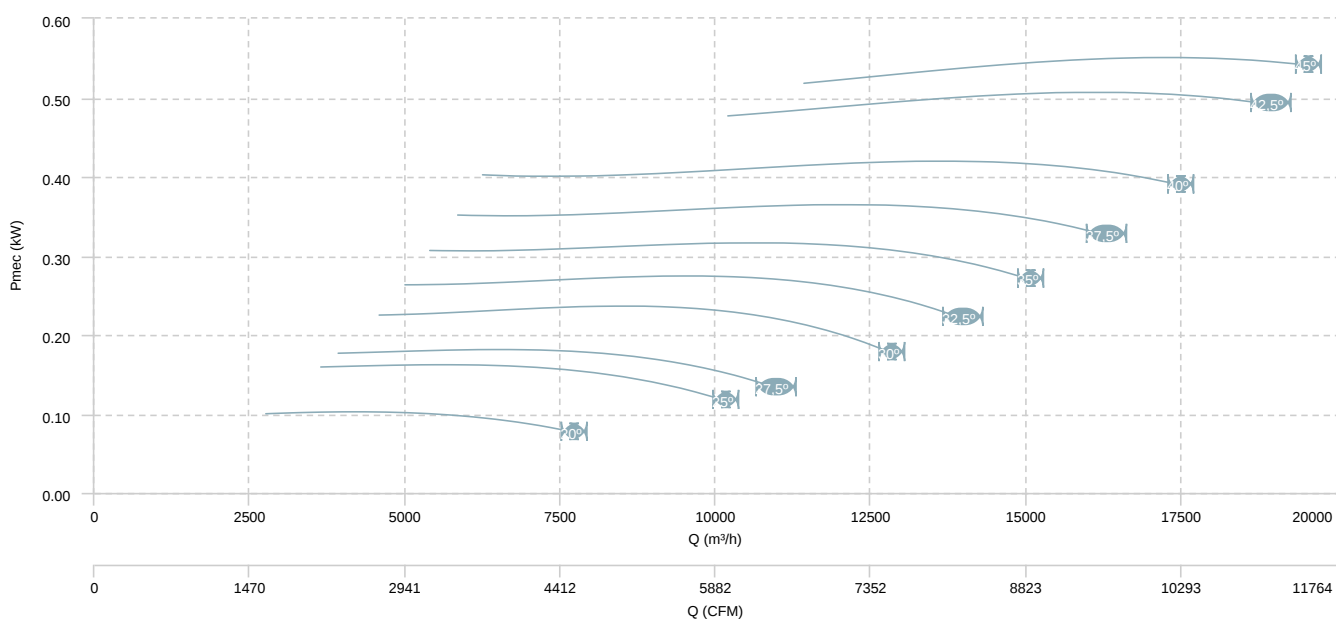


BOX HBA 80 T4/T8 (A2:6)

AIR FLOW - PRESSURE (8 poles)

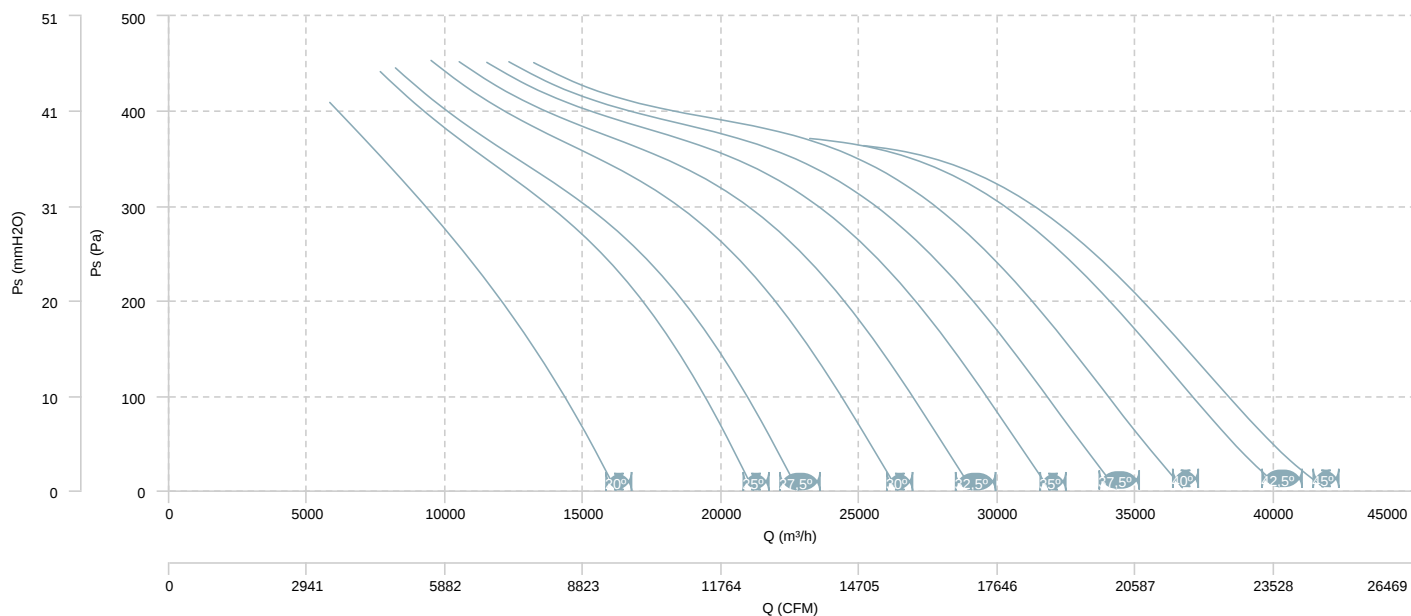


AIR FLOW - MECHANICAL POWER (8 poles)

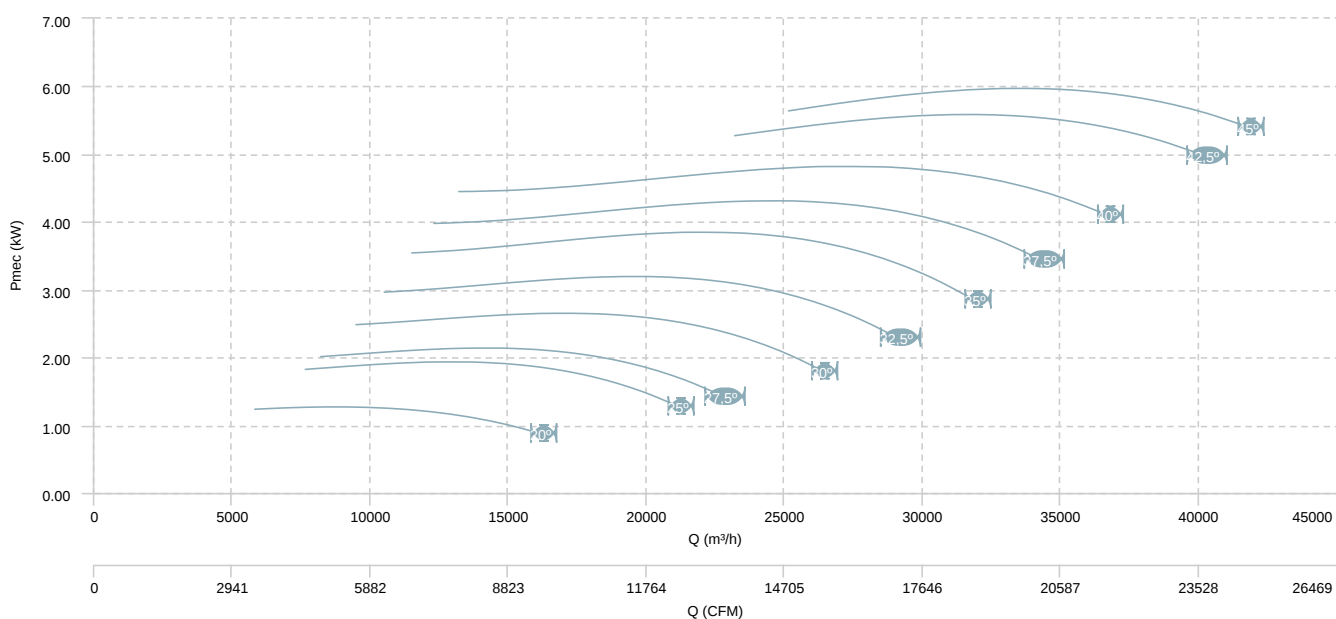


BOX HBA 80 T4/T8 (A2:9)

AIR FLOW - PRESSURE (4 poles)

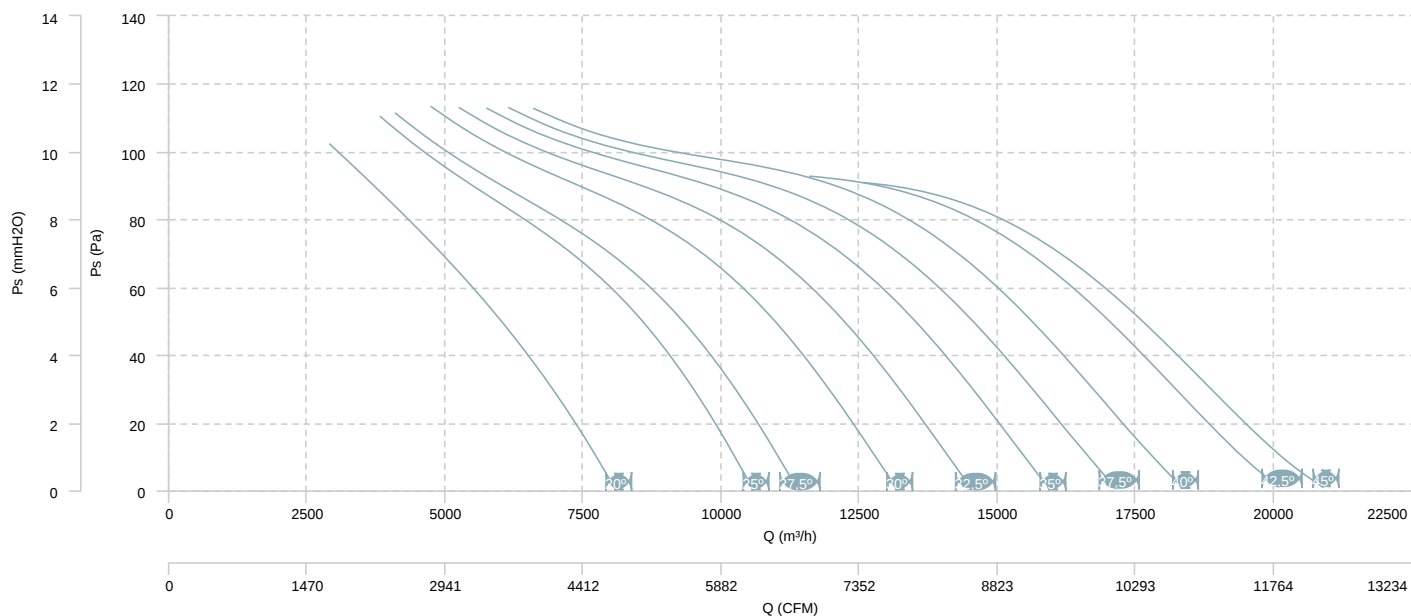


AIR FLOW - MECHANICAL POWER (4 poles)

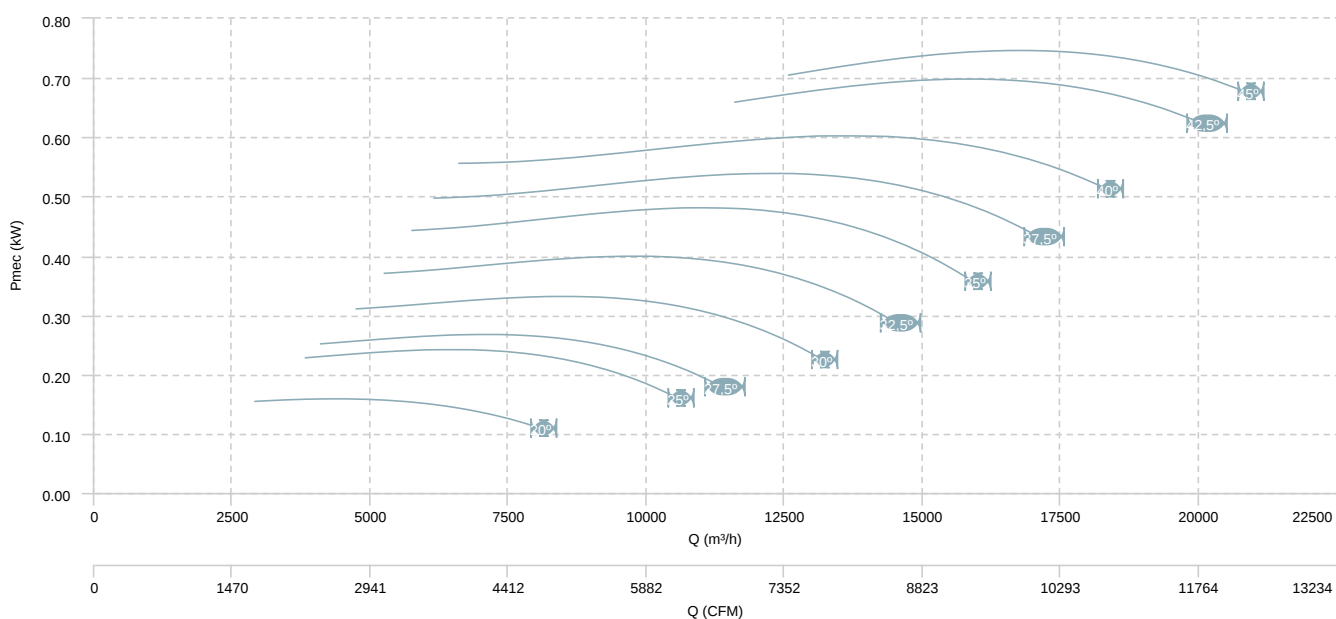


BOX HBA 80 T4/T8 (A2:9)

AIR FLOW - PRESSURE (8 poles)

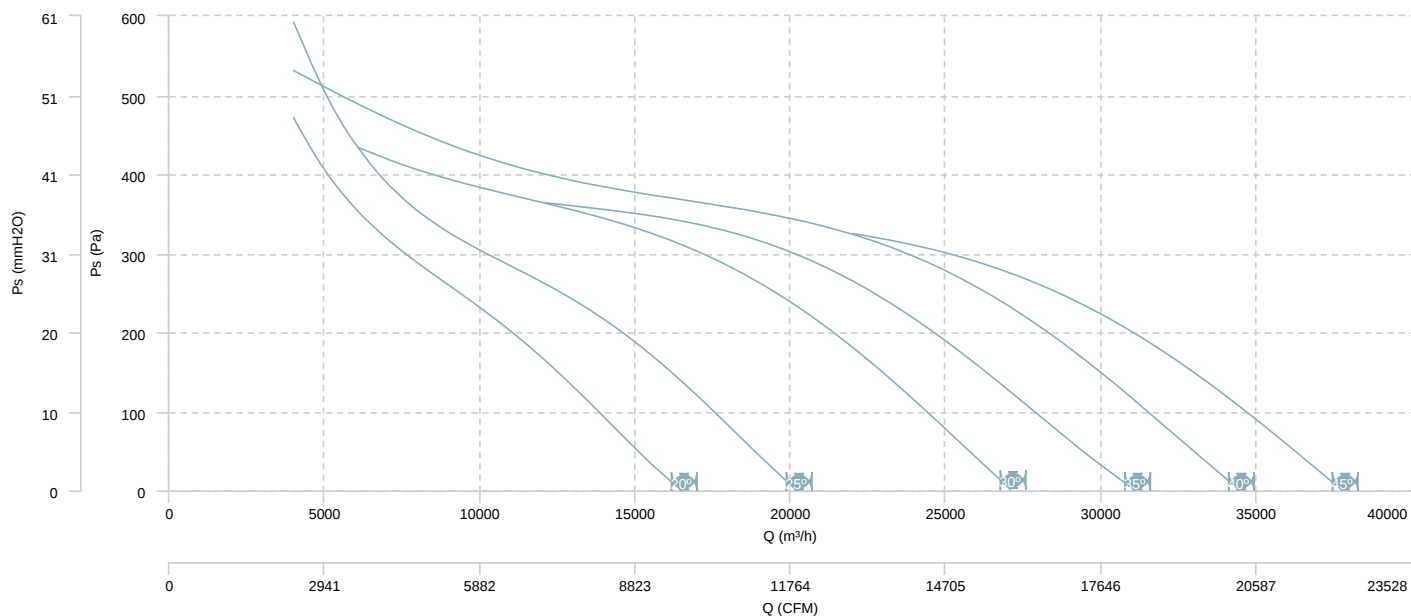


AIR FLOW - MECHANICAL POWER (8 poles)

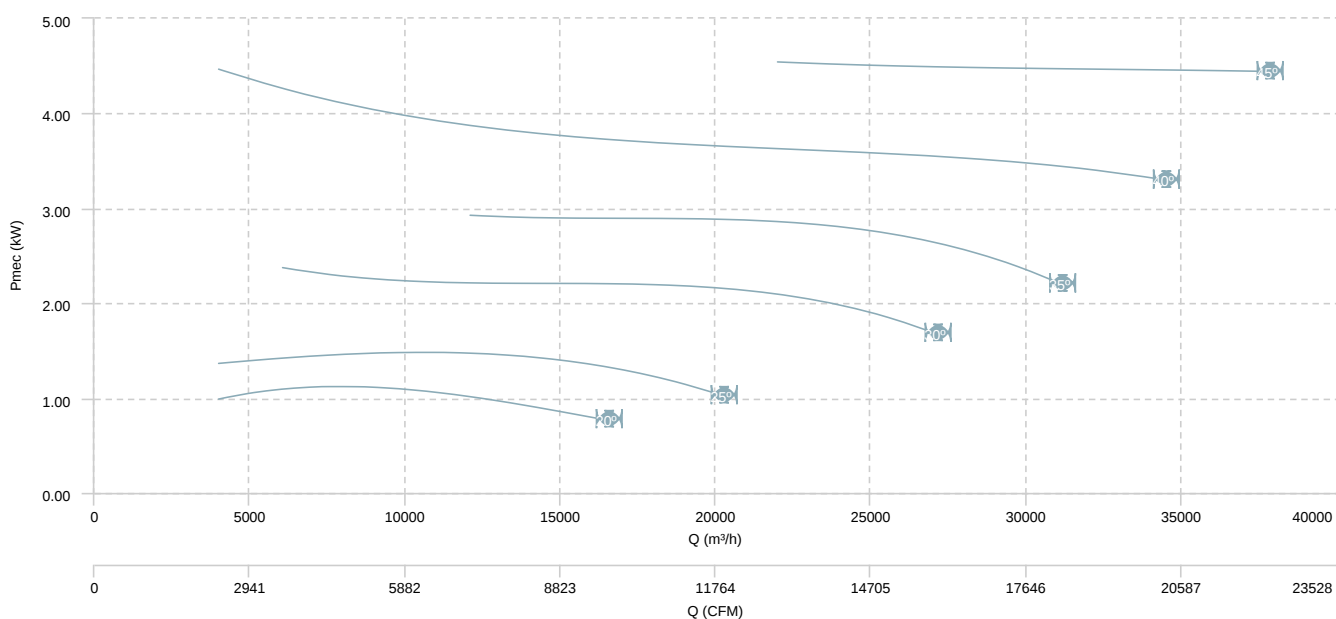


BOX HBA 80 T4/T8 (A5:6)

AIR FLOW - PRESSURE (4 poles)

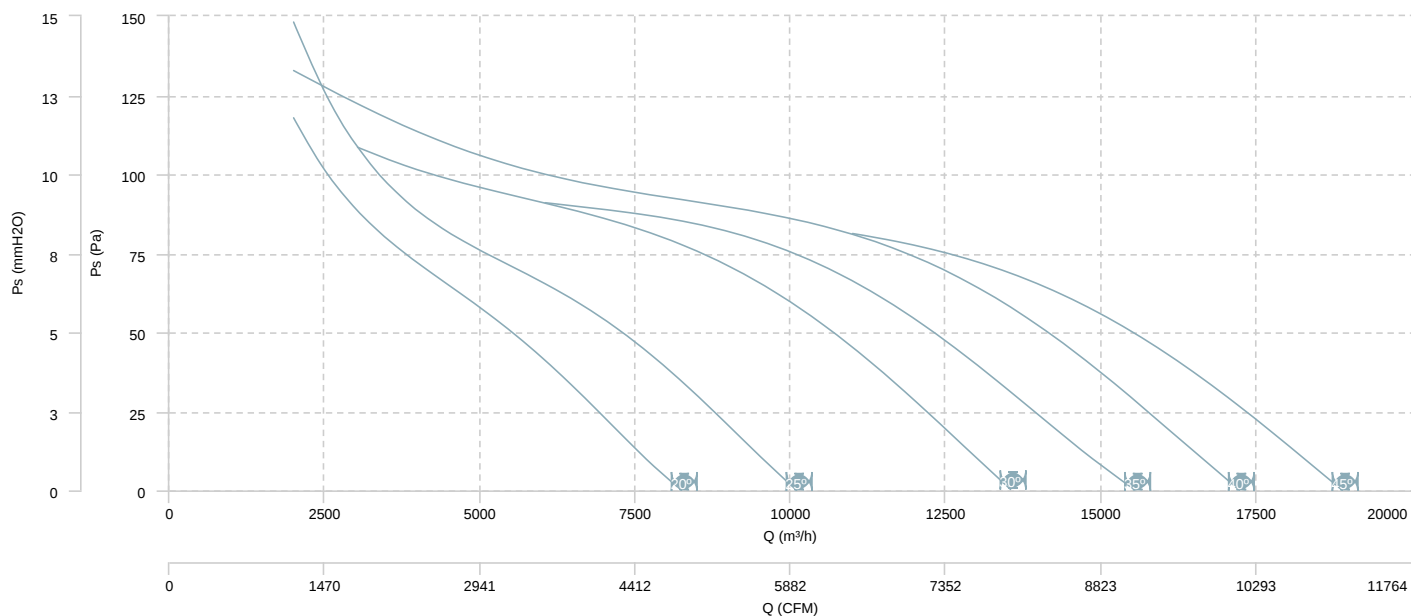


AIR FLOW - MECHANICAL POWER (4 poles)

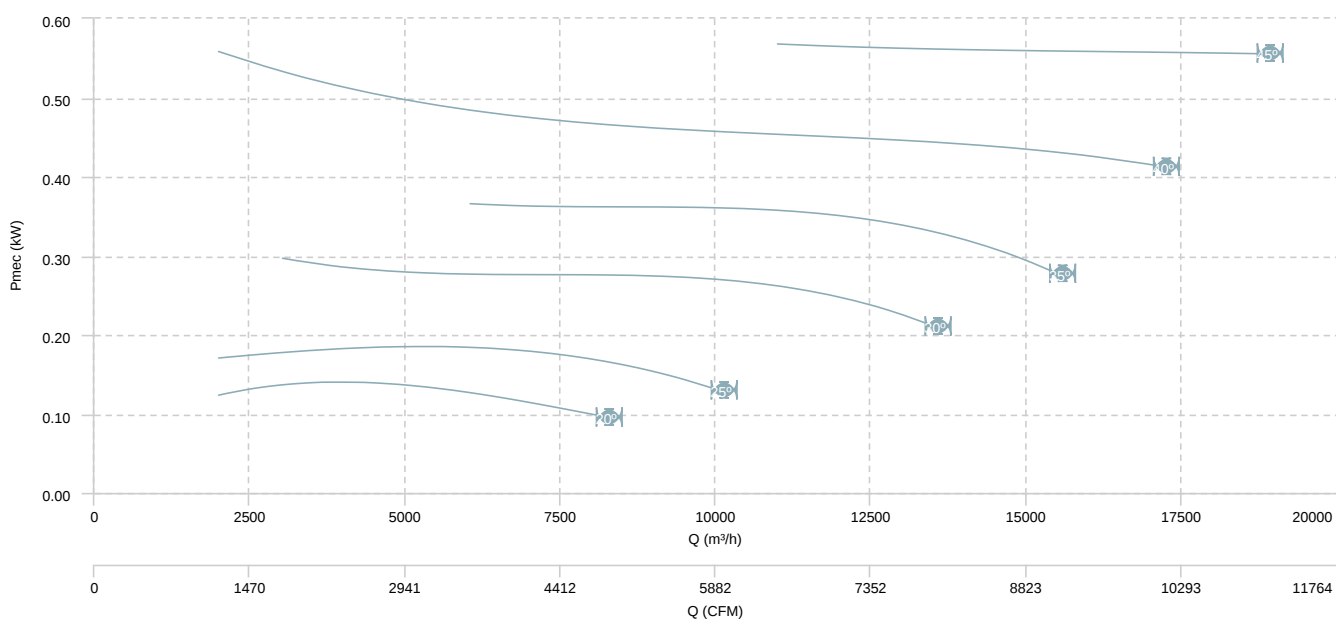


BOX HBA 80 T4/T8 (A5:6)

AIR FLOW - PRESSURE (8 poles)

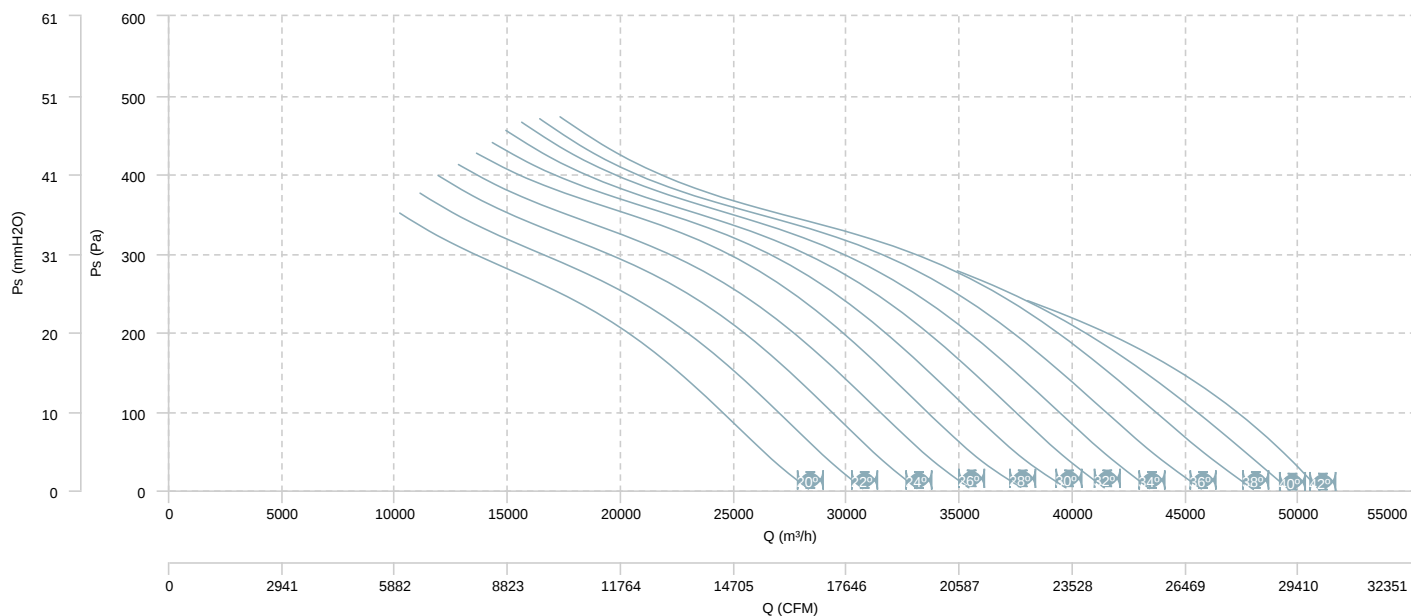


AIR FLOW - MECHANICAL POWER (8 poles)

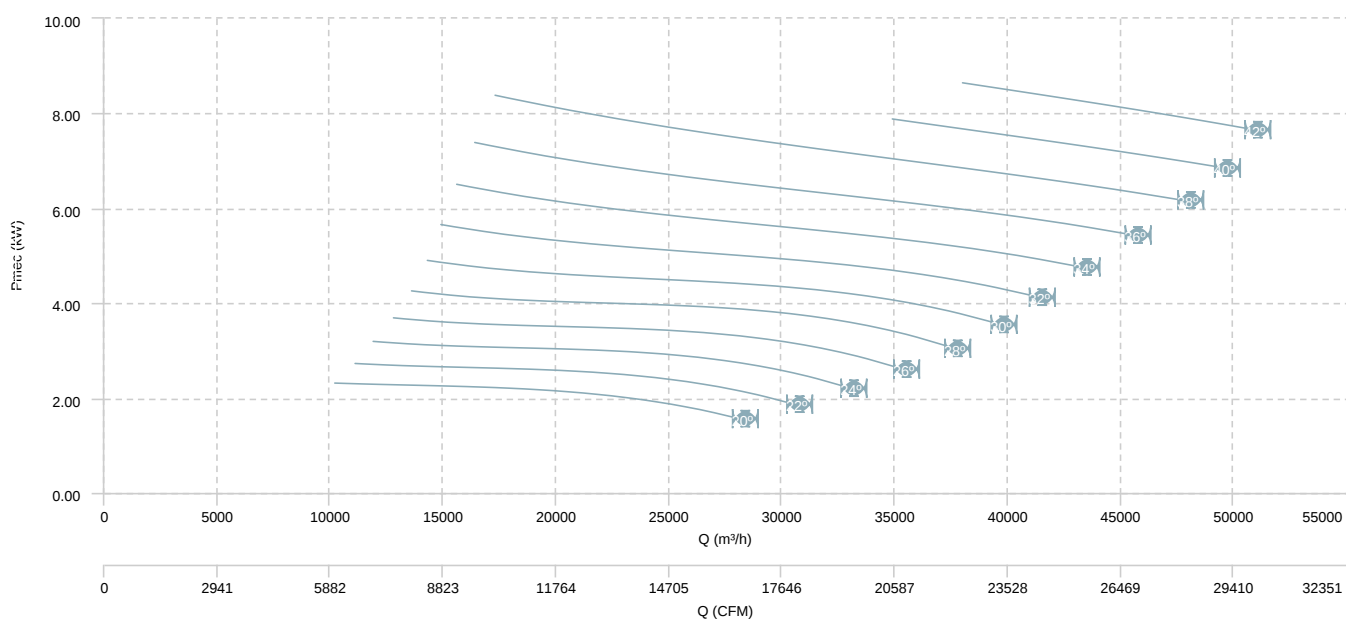


BOX HBA 90 T4 (A6:3)

AIR FLOW - PRESSURE

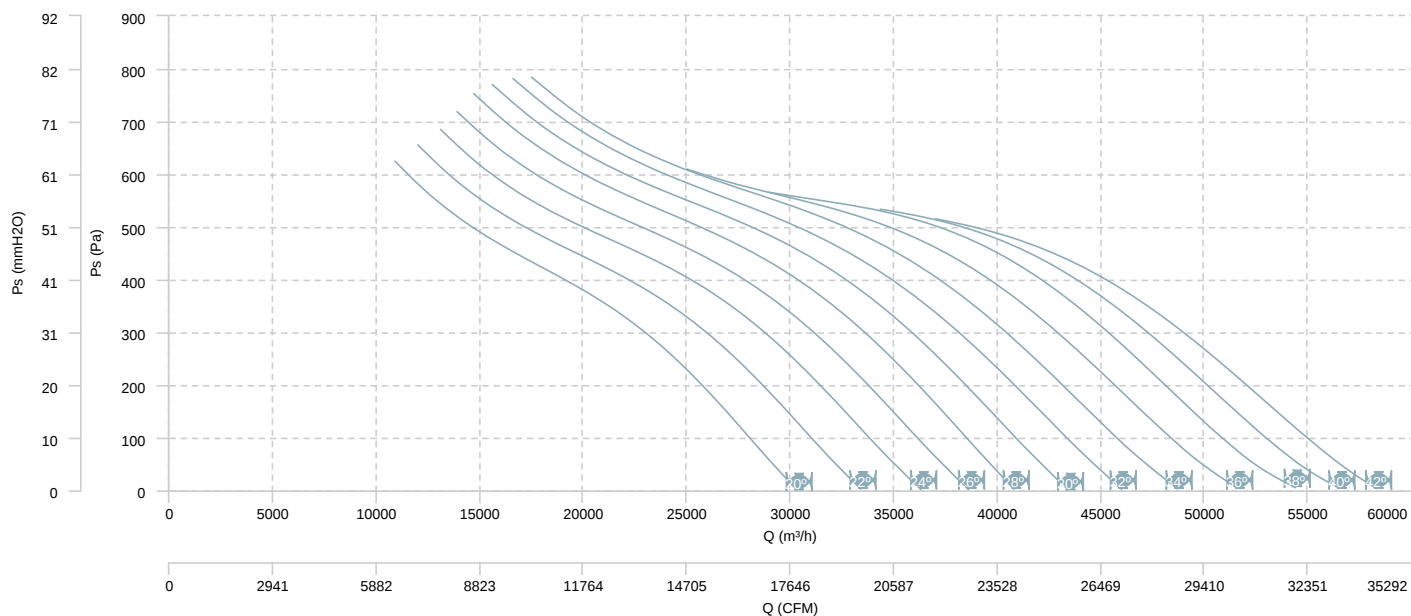


AIR FLOW - MECHANICAL POWER

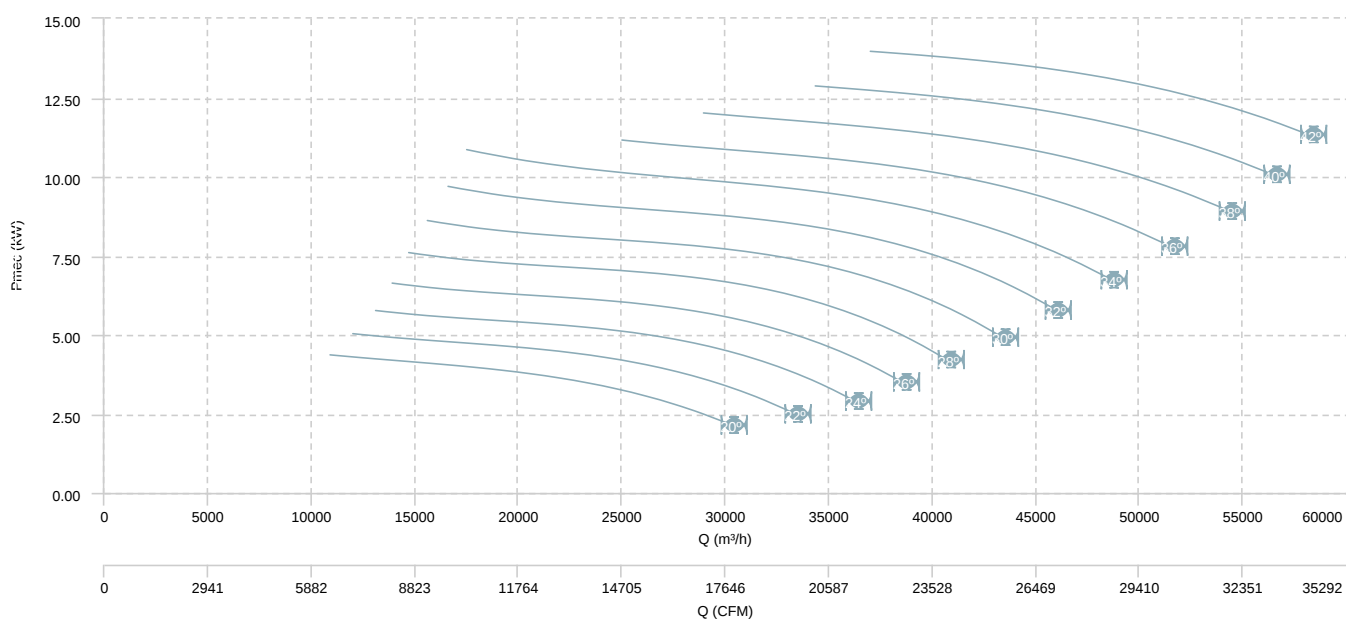


BOX HBA 90 T4 (A6:6)

AIR FLOW - PRESSURE

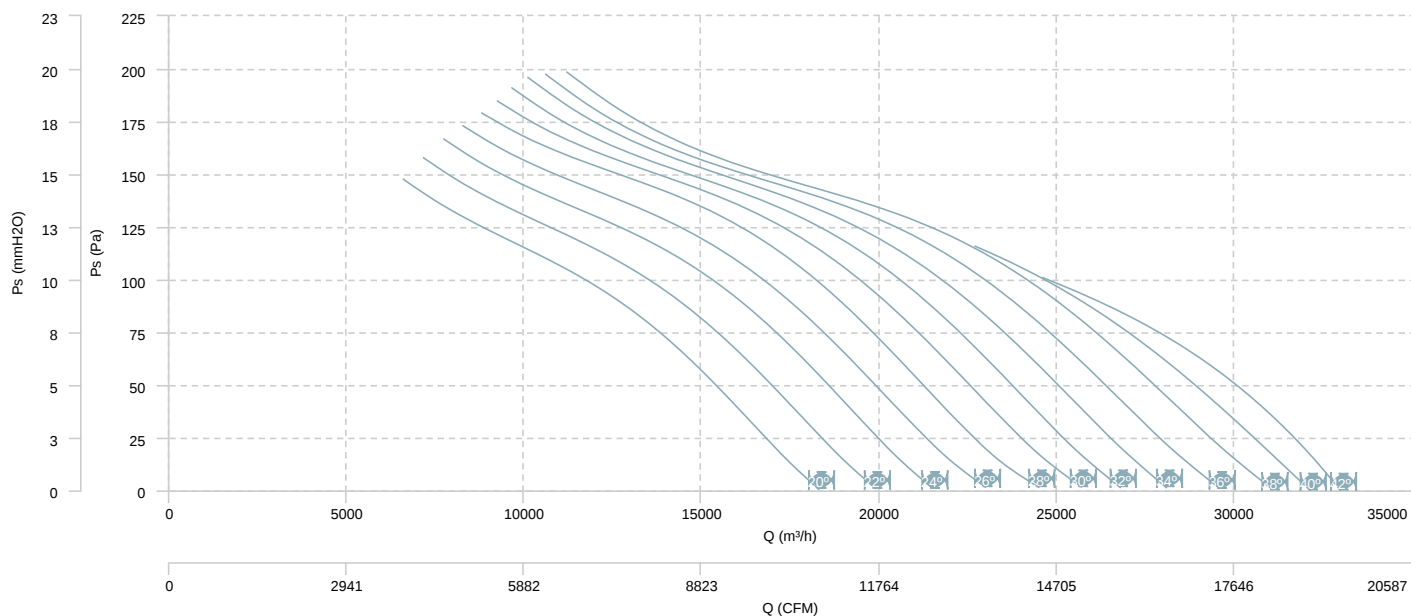


AIR FLOW - MECHANICAL POWER

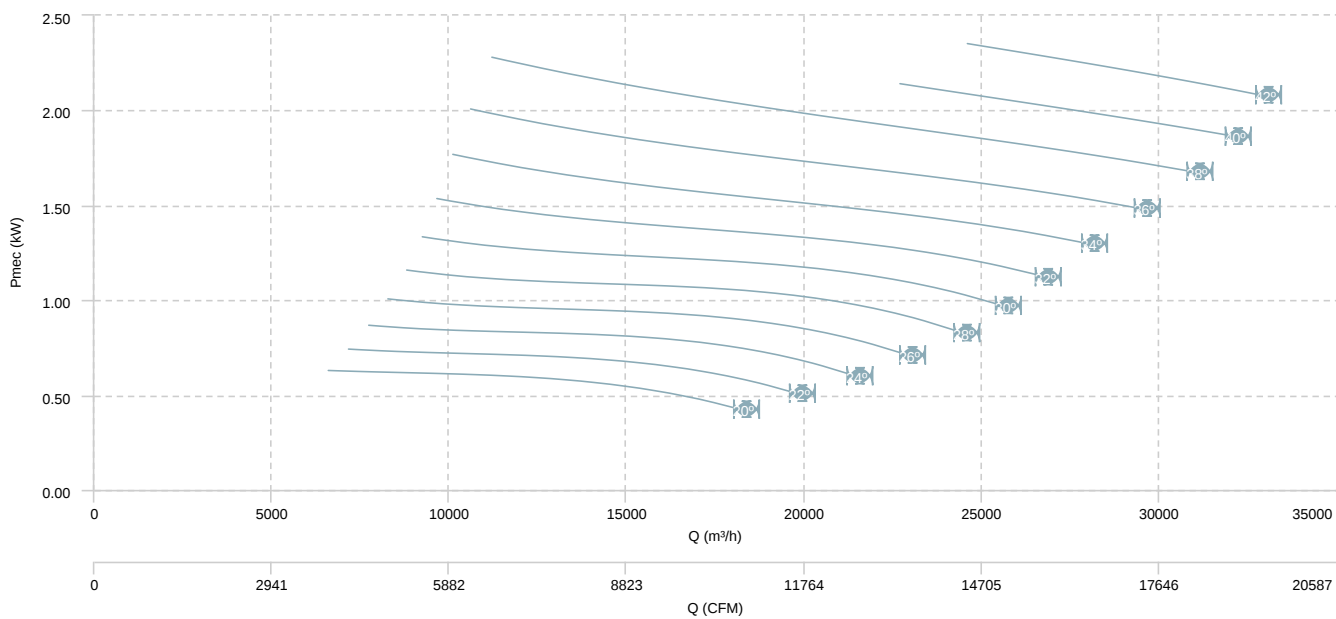


BOX HBA 90 T6 (A6:3)

AIR FLOW - PRESSURE

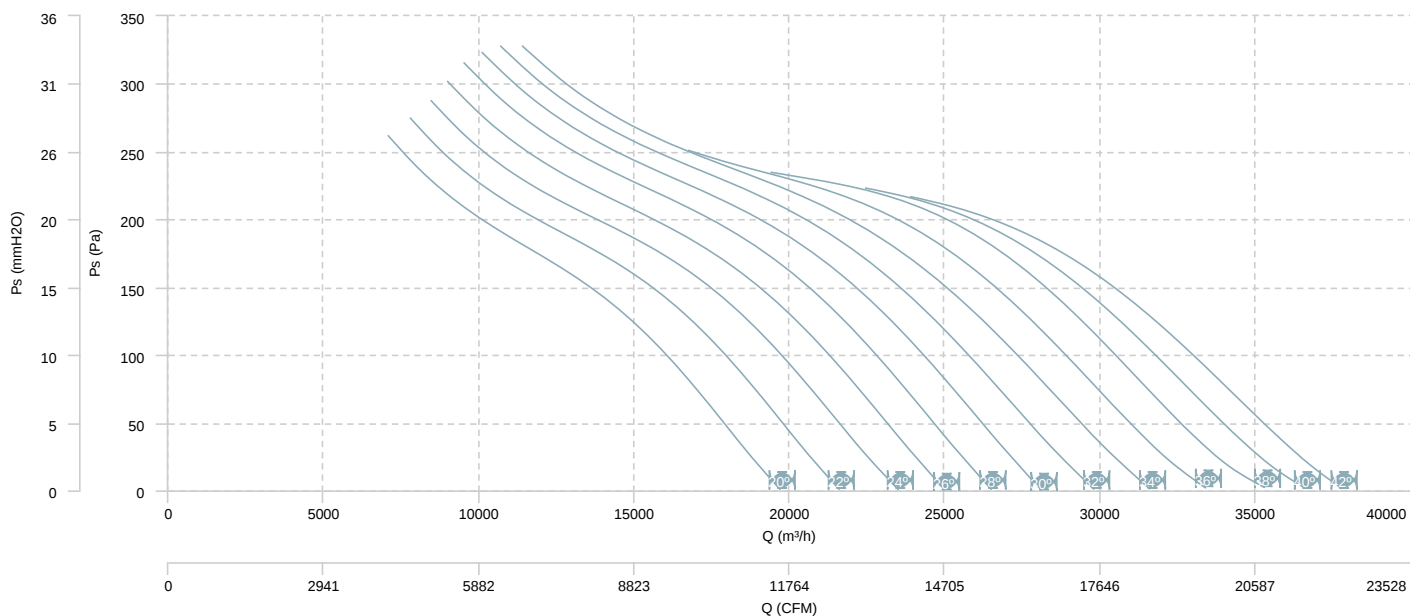


AIR FLOW - MECHANICAL POWER

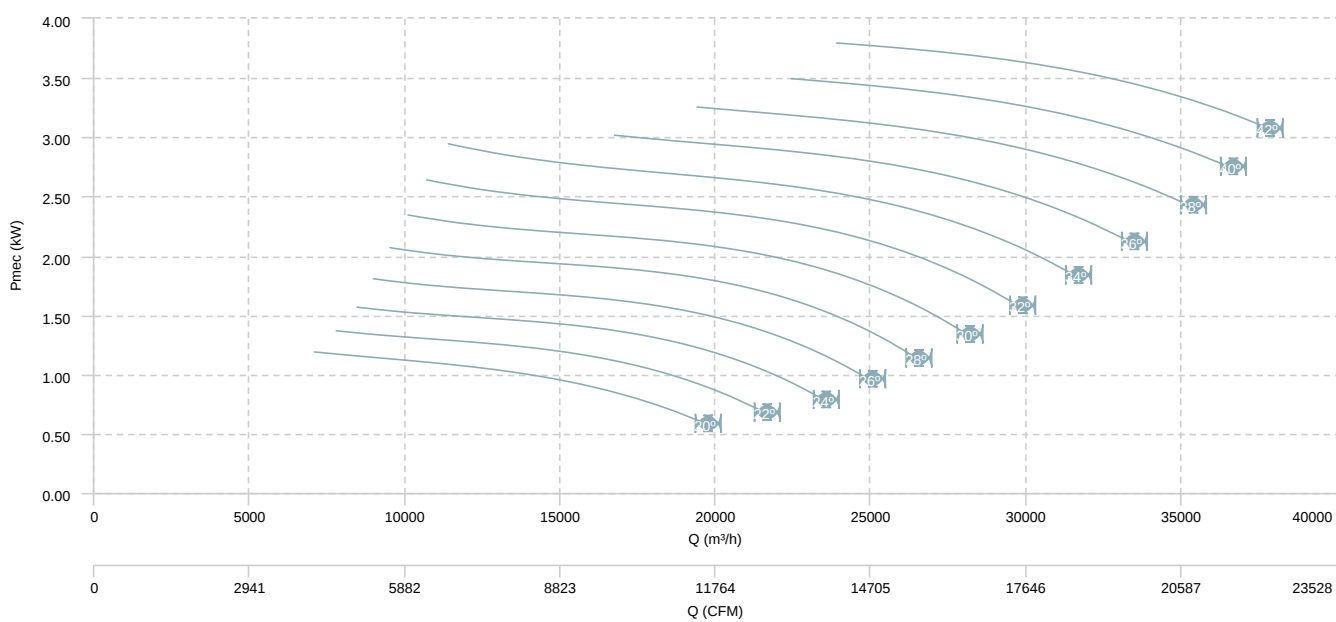


BOX HBA 90 T6 (A6:6)

AIR FLOW - PRESSURE

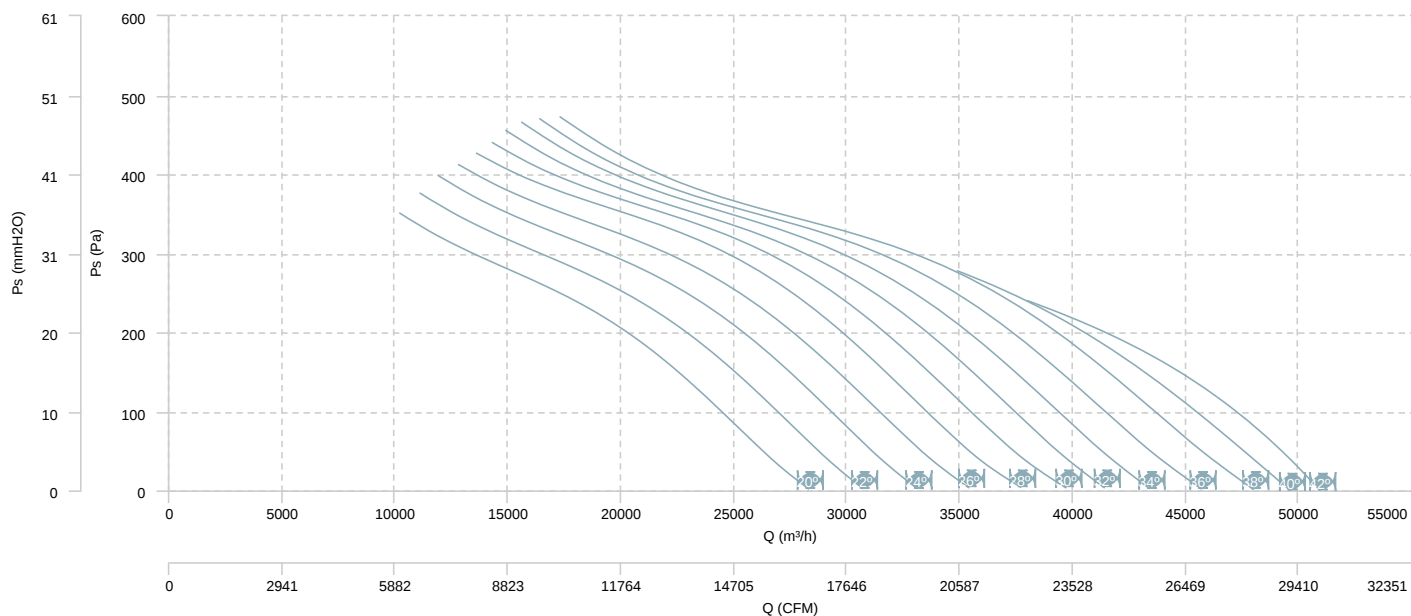


AIR FLOW - MECHANICAL POWER

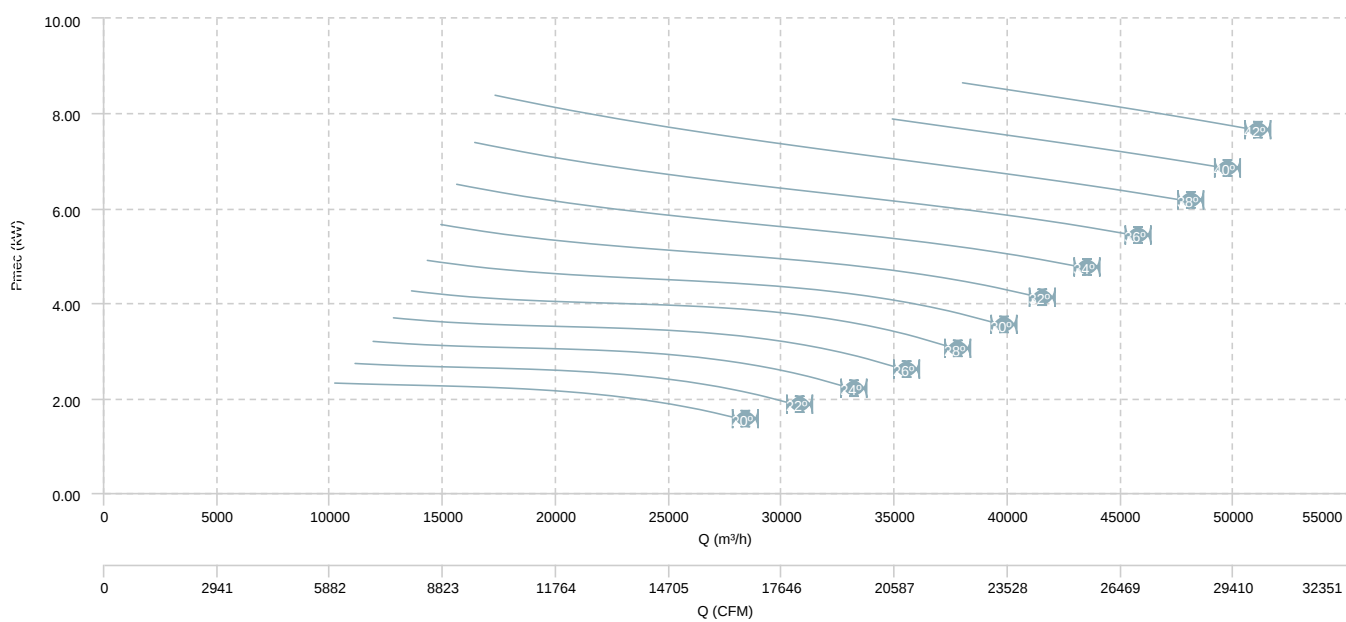


BOX HBA 90 T4/T8 (A6:3)

AIR FLOW - PRESSURE (4 poles)

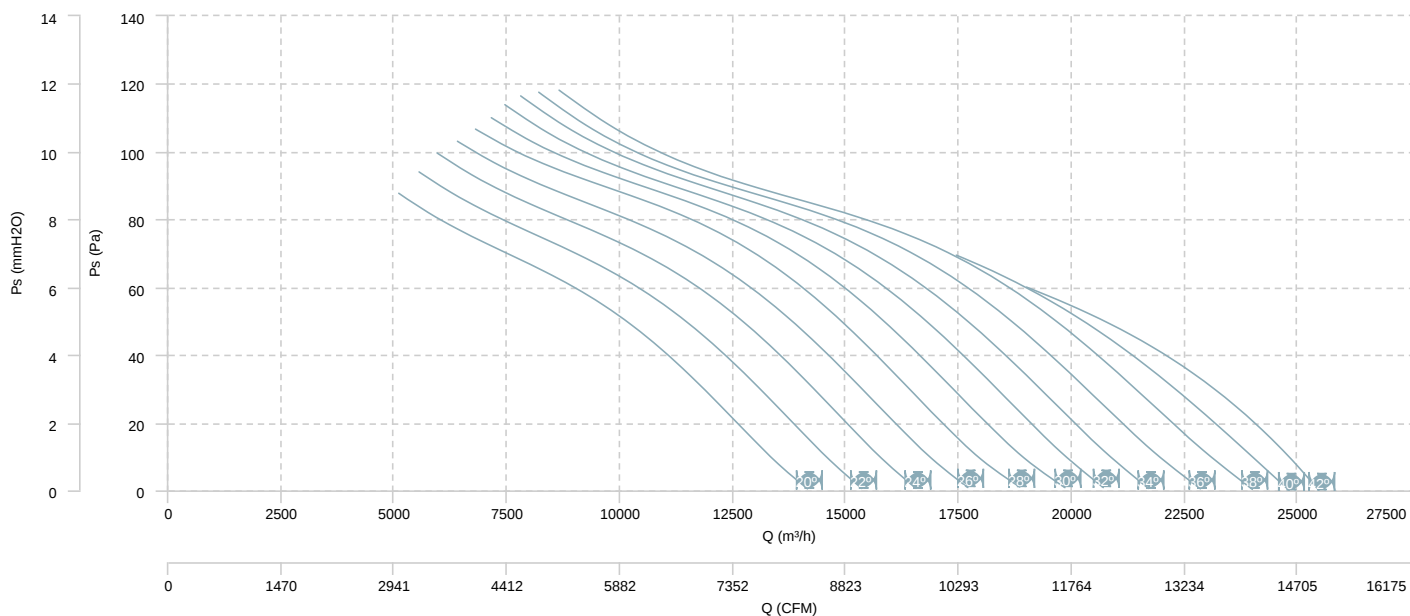


AIR FLOW - MECHANICAL POWER (4 poles)

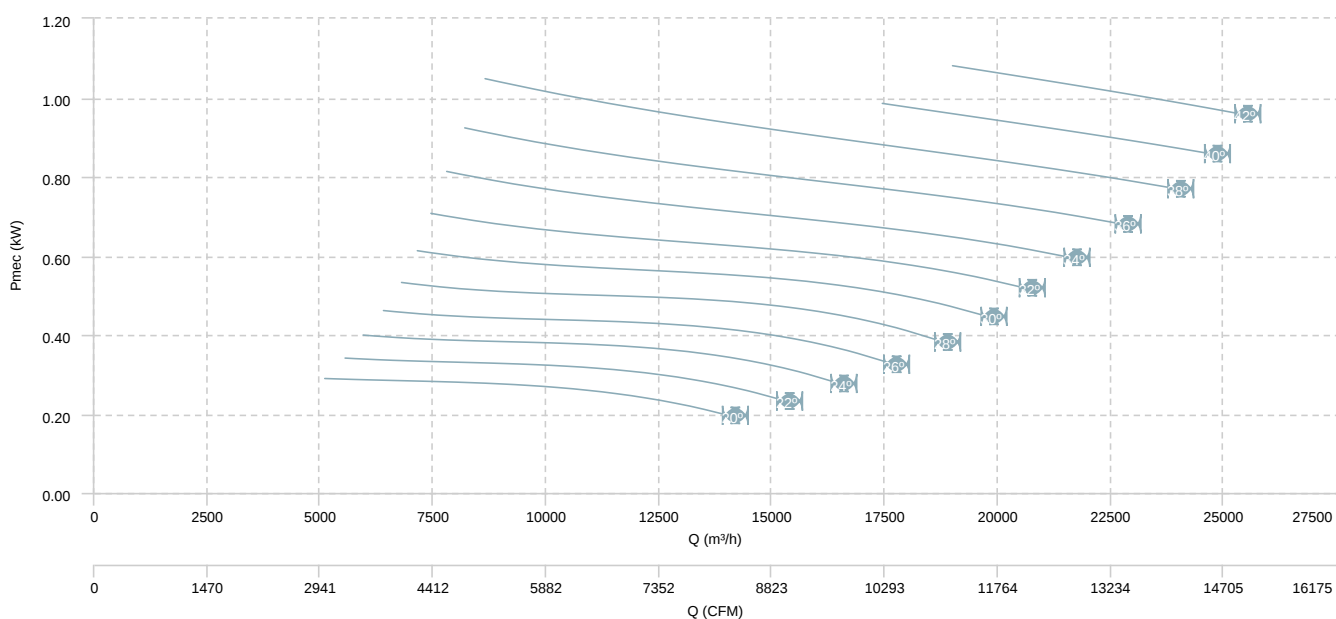


BOX HBA 90 T4/T8 (A6:3)

AIR FLOW - PRESSURE (8 poles)

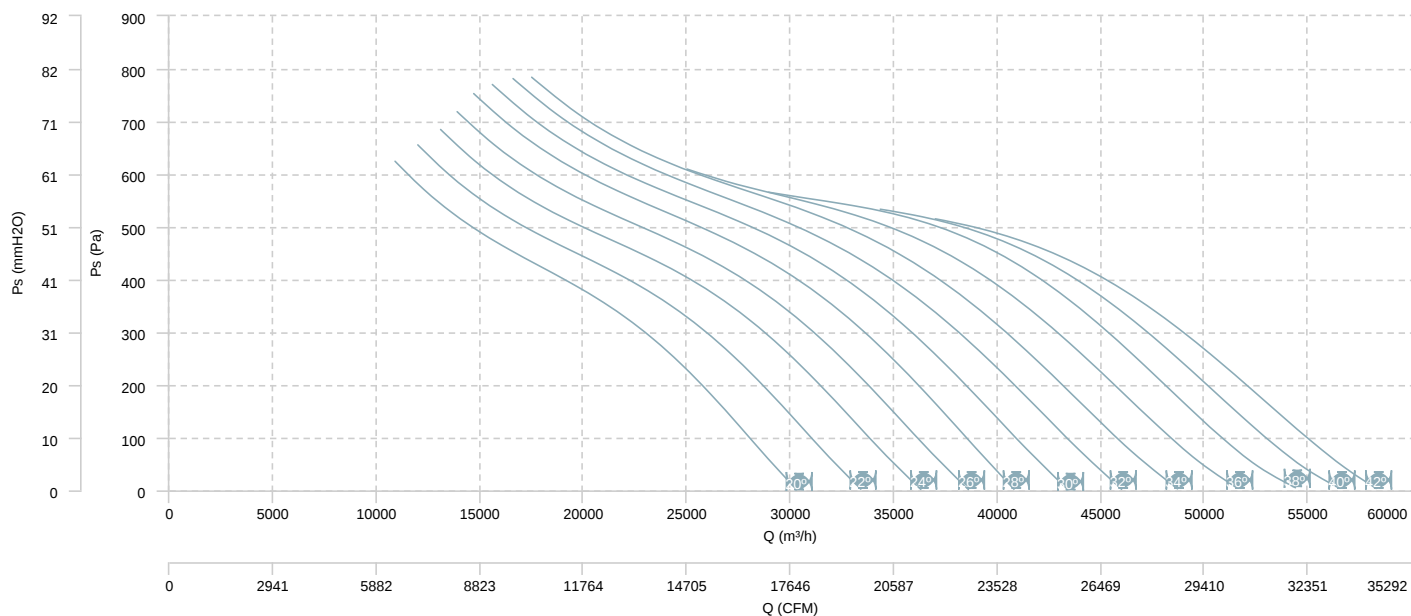


AIR FLOW - MECHANICAL POWER (8 poles)

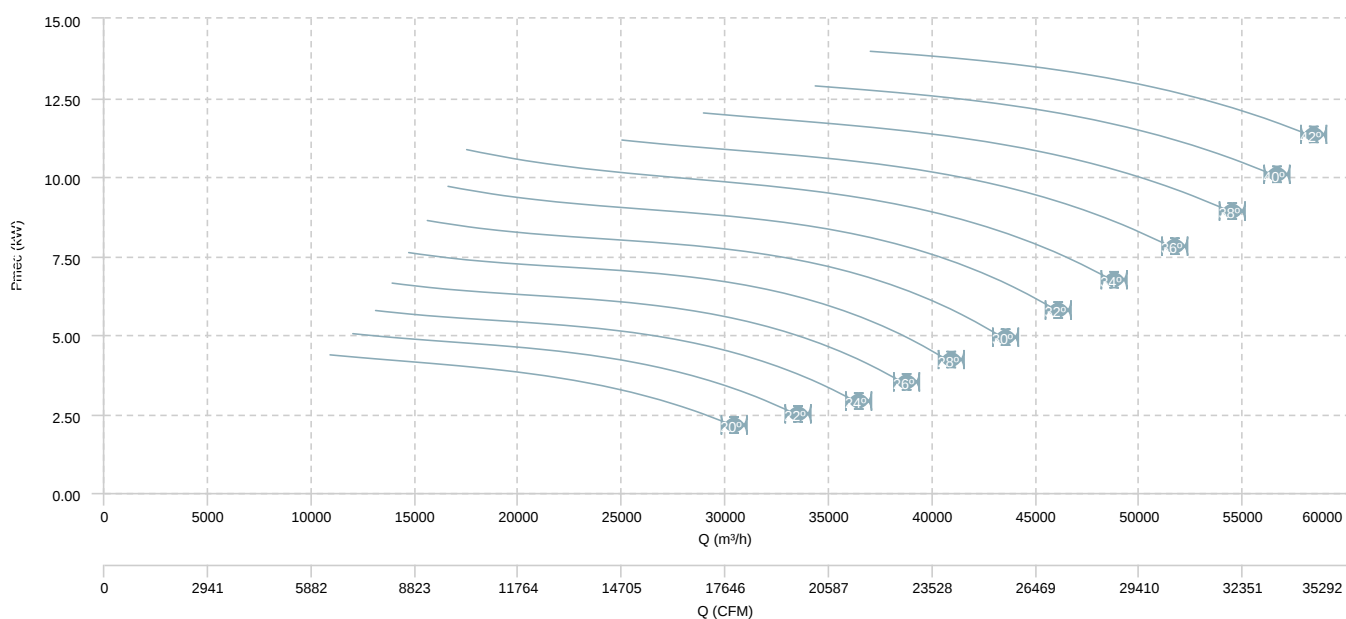


BOX HBA 90 T4/T8 (A6:6)

AIR FLOW - PRESSURE (4 poles)

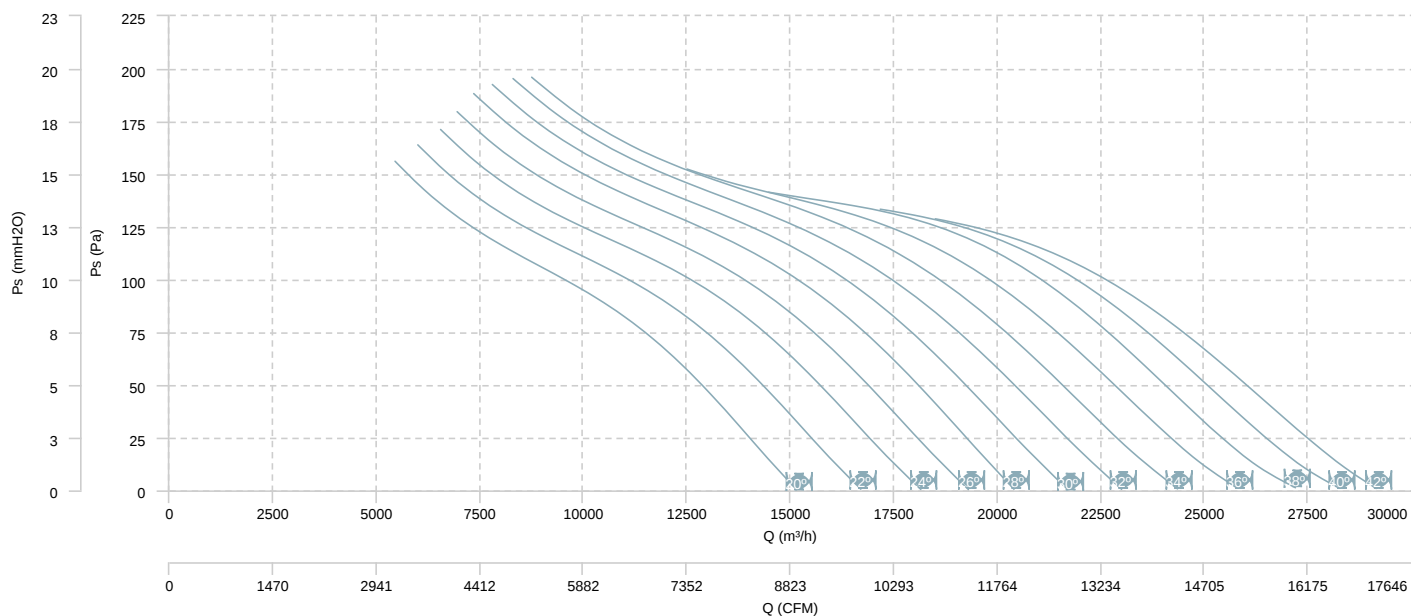


AIR FLOW - MECHANICAL POWER (4 poles)

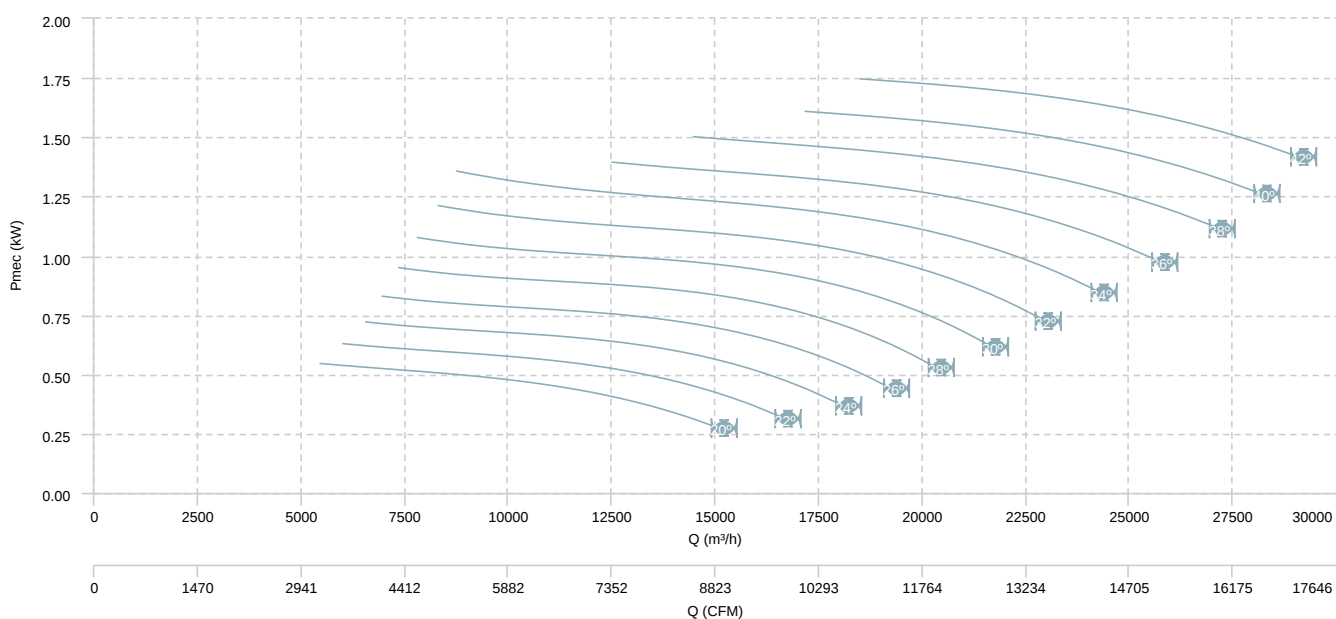


BOX HBA 90 T4/T8 (A6:6)

AIR FLOW - PRESSURE (8 poles)

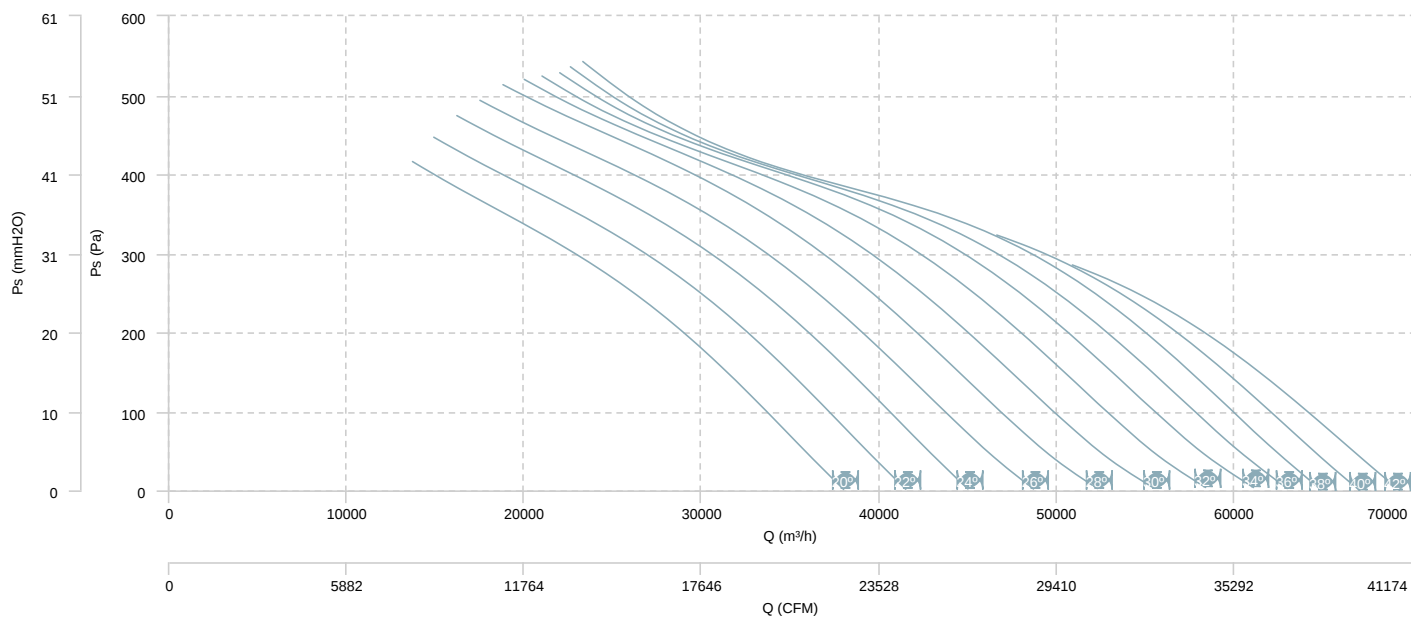


AIR FLOW - MECHANICAL POWER (8 poles)

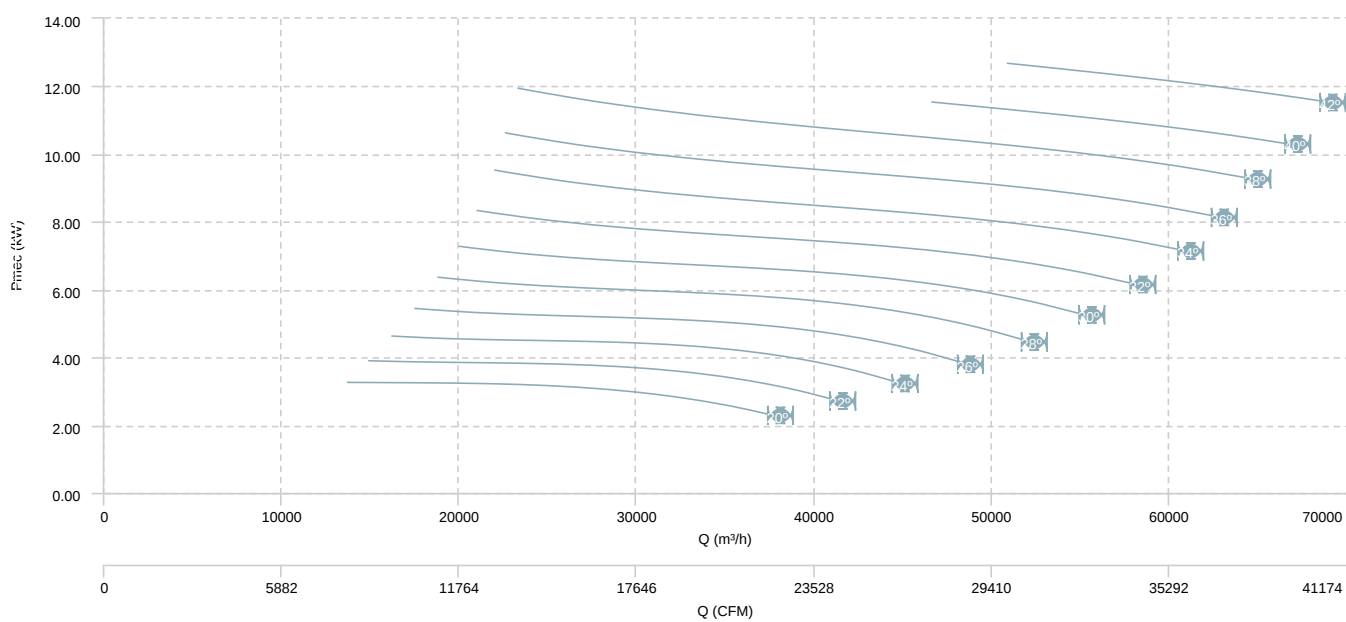


BOX HBA 100 T4 (A6:3)

AIR FLOW - PRESSURE

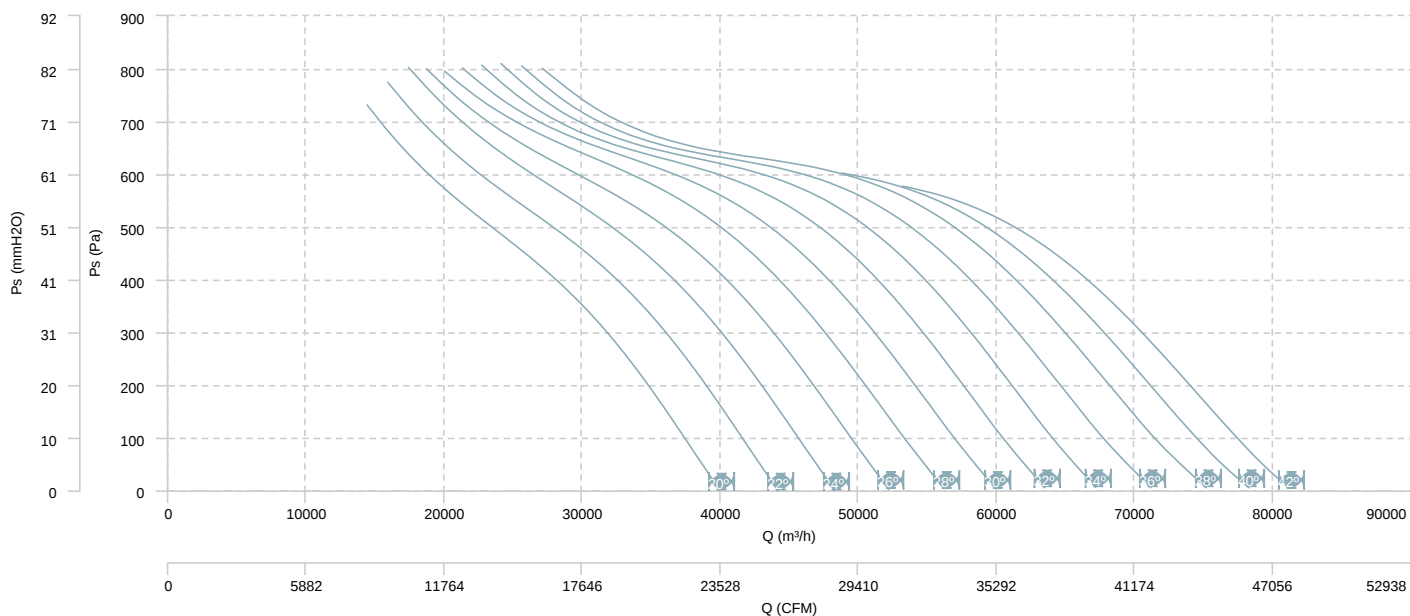


AIR FLOW - MECHANICAL POWER

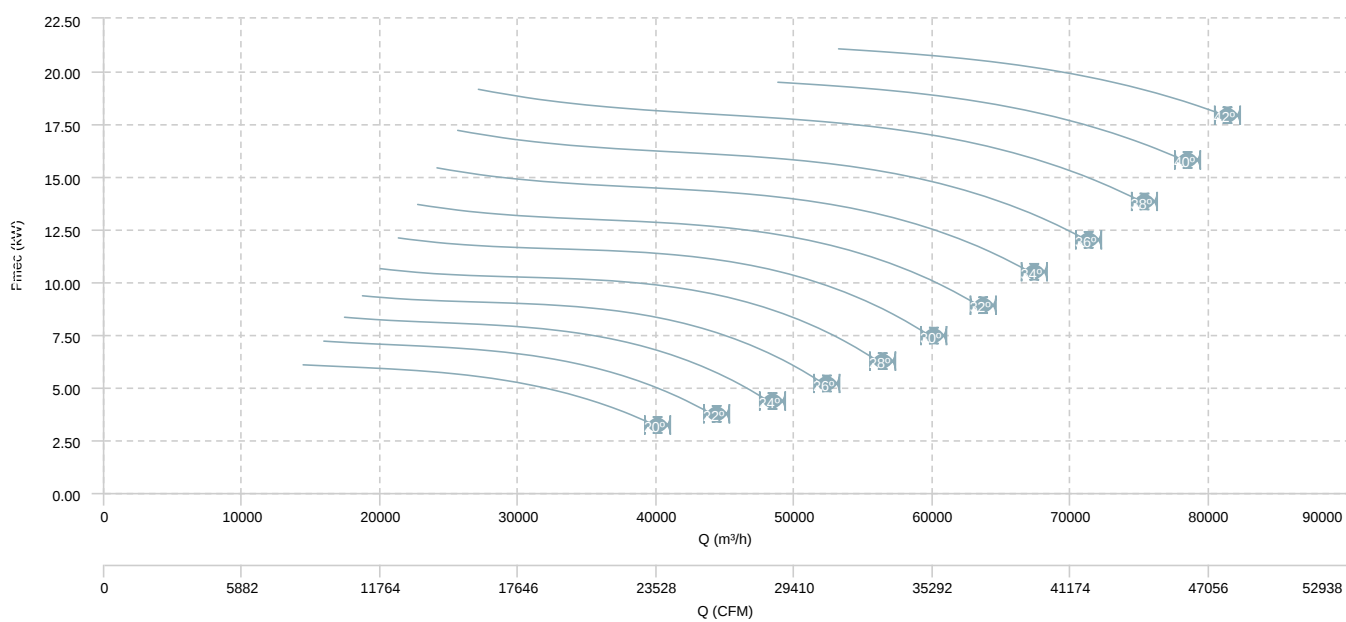


BOX HBA 100 T4 (A6:6)

AIR FLOW - PRESSURE

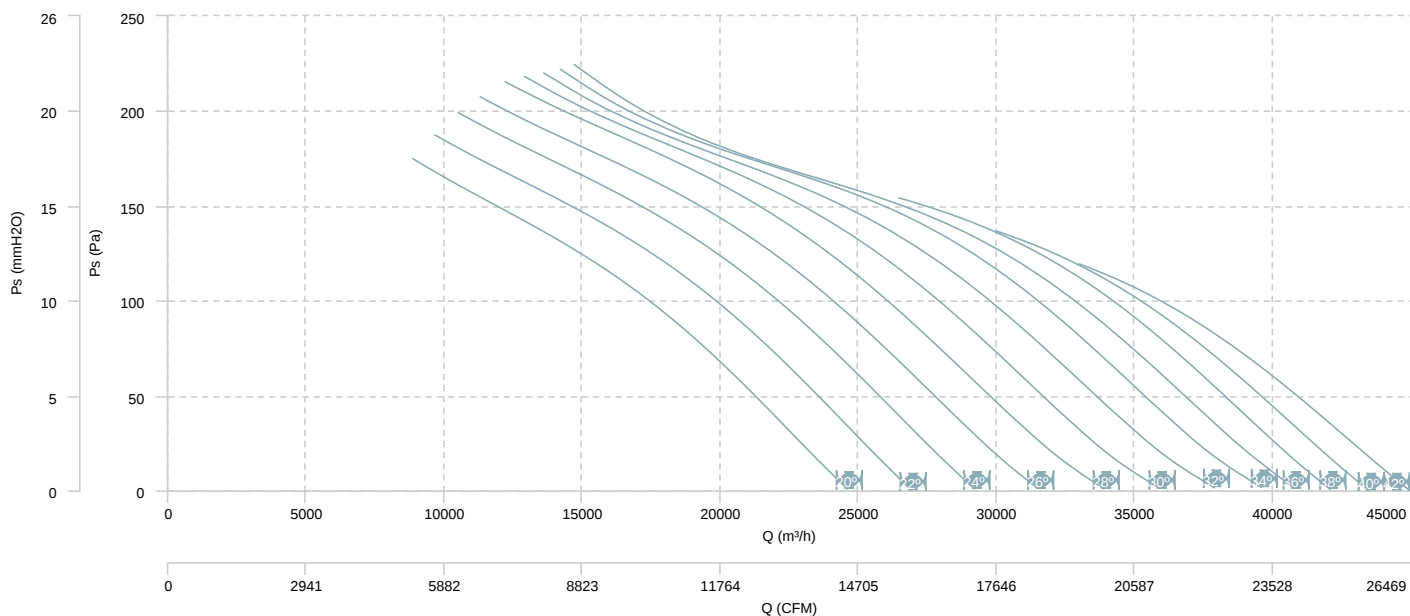


AIR FLOW - MECHANICAL POWER

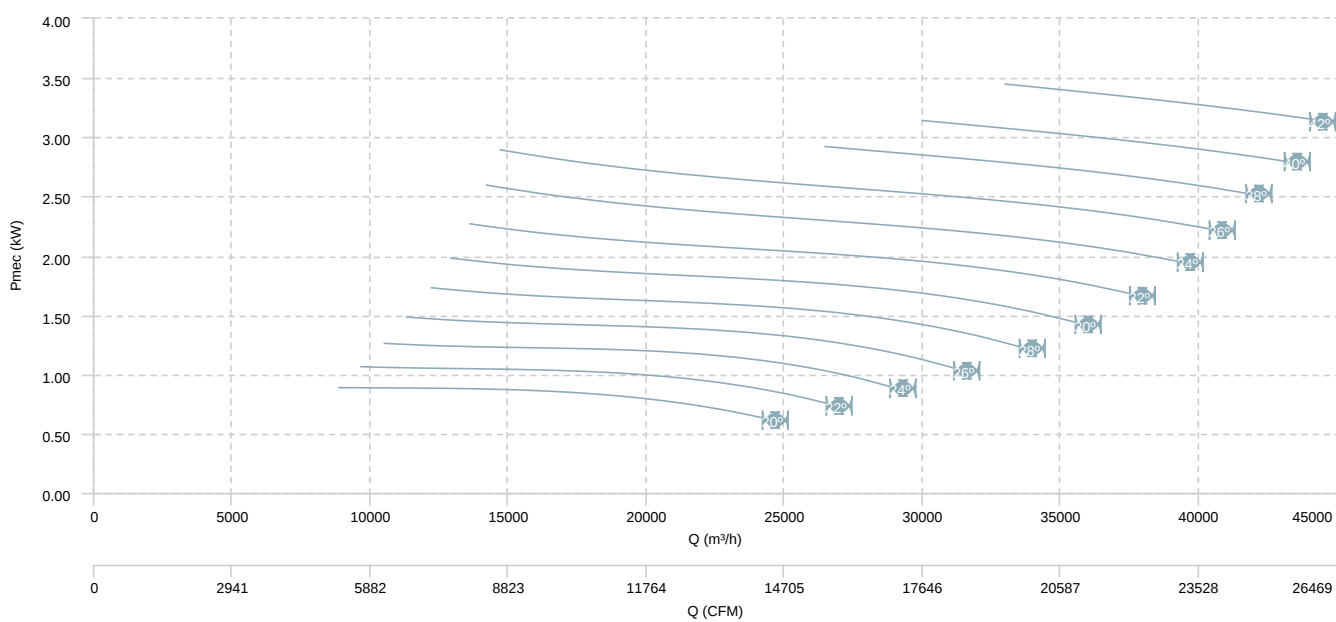


BOX HBA 100 T6 (A6:3)

AIR FLOW - PRESSURE

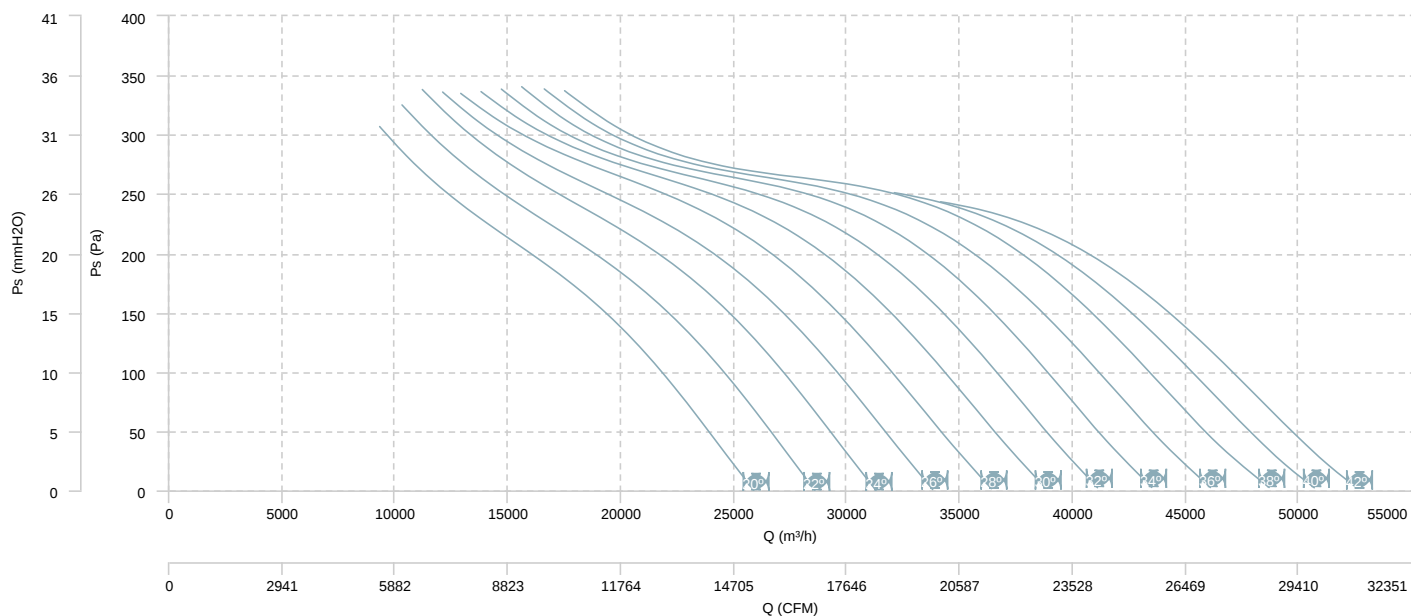


AIR FLOW - MECHANICAL POWER

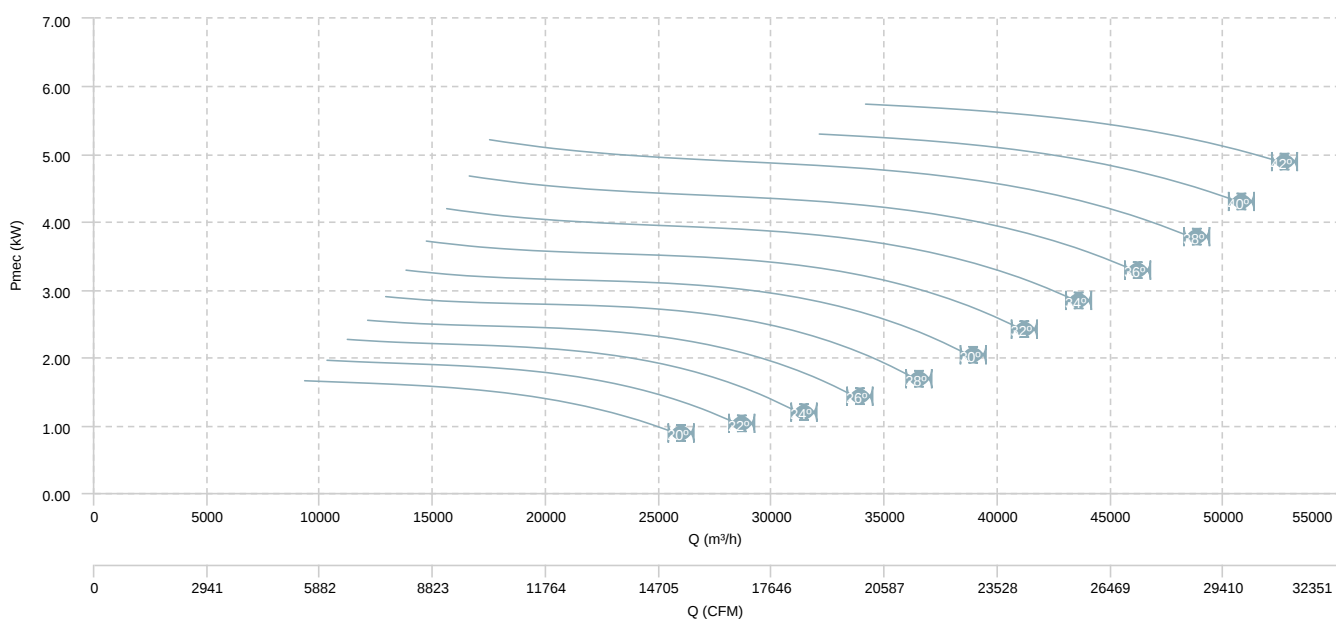


BOX HBA 100 T6 (A6:6)

AIR FLOW - PRESSURE

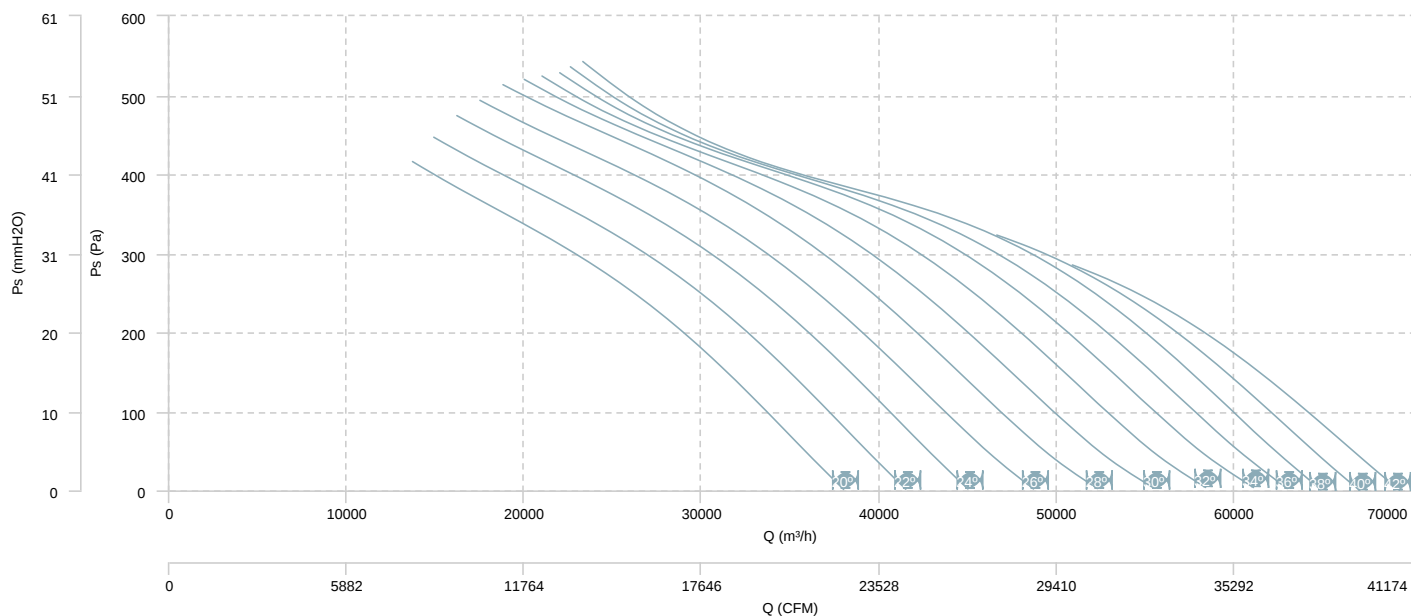


AIR FLOW - MECHANICAL POWER

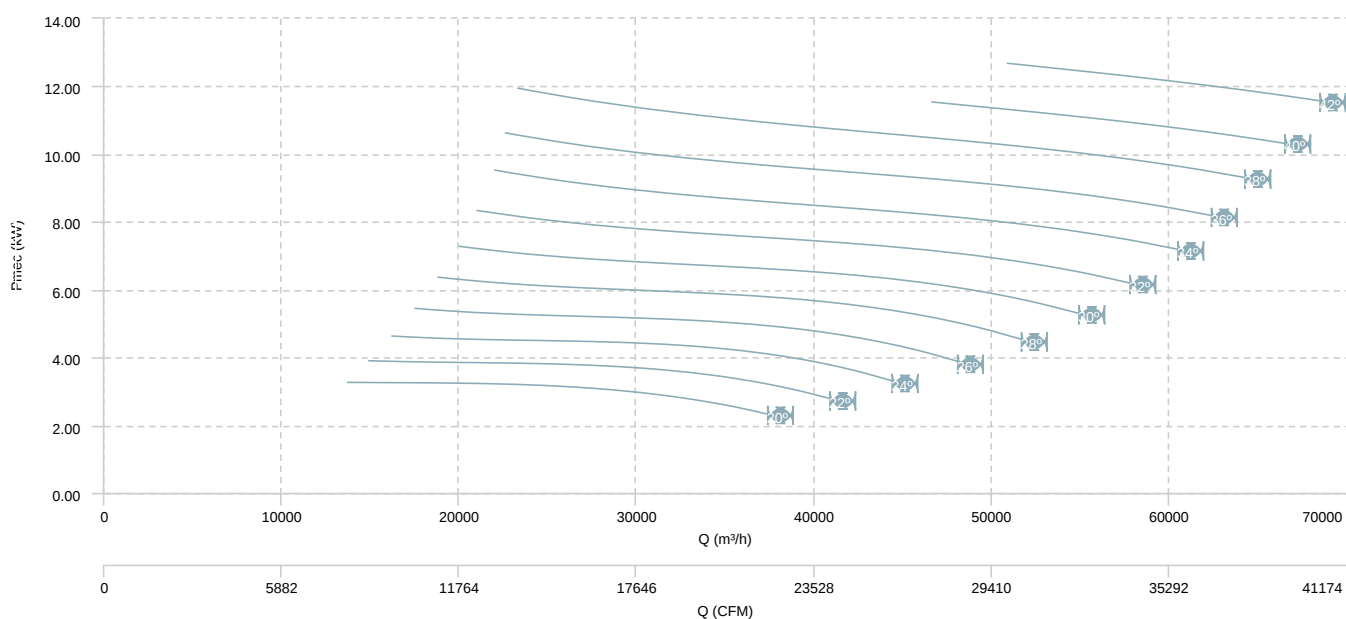


BOX HBA 100 T4/T8 (A6:3)

AIR FLOW - PRESSURE (4 poles)

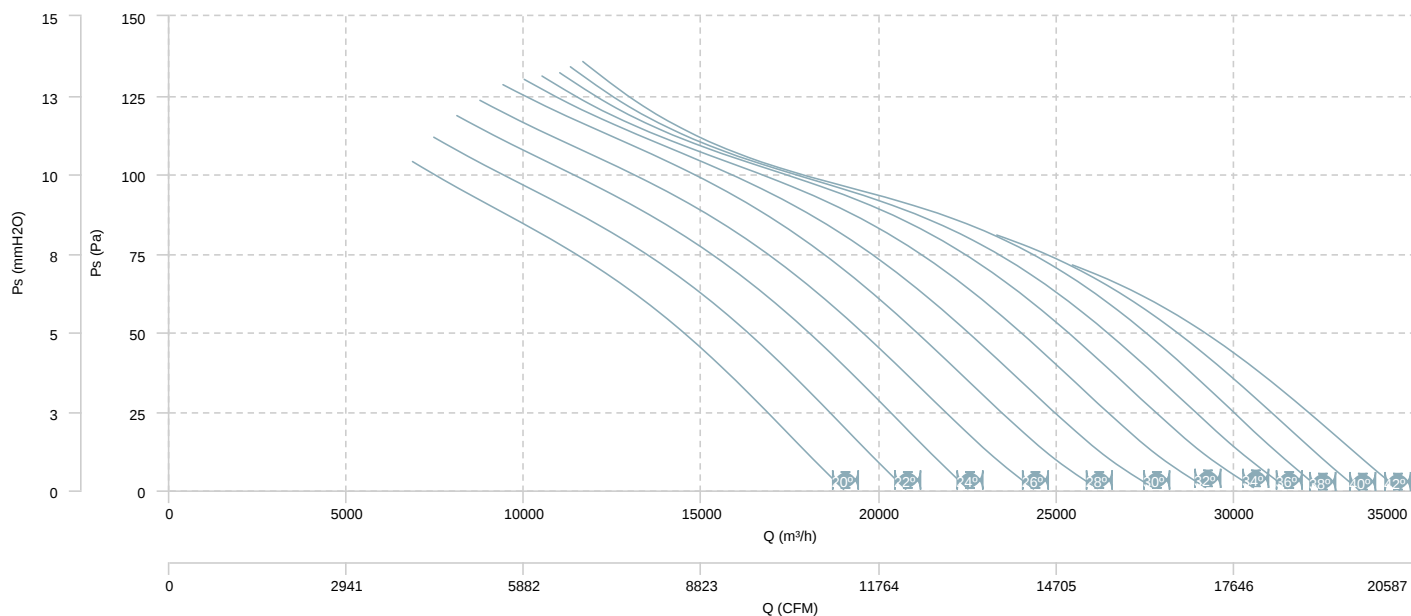


AIR FLOW - MECHANICAL POWER (4 poles)

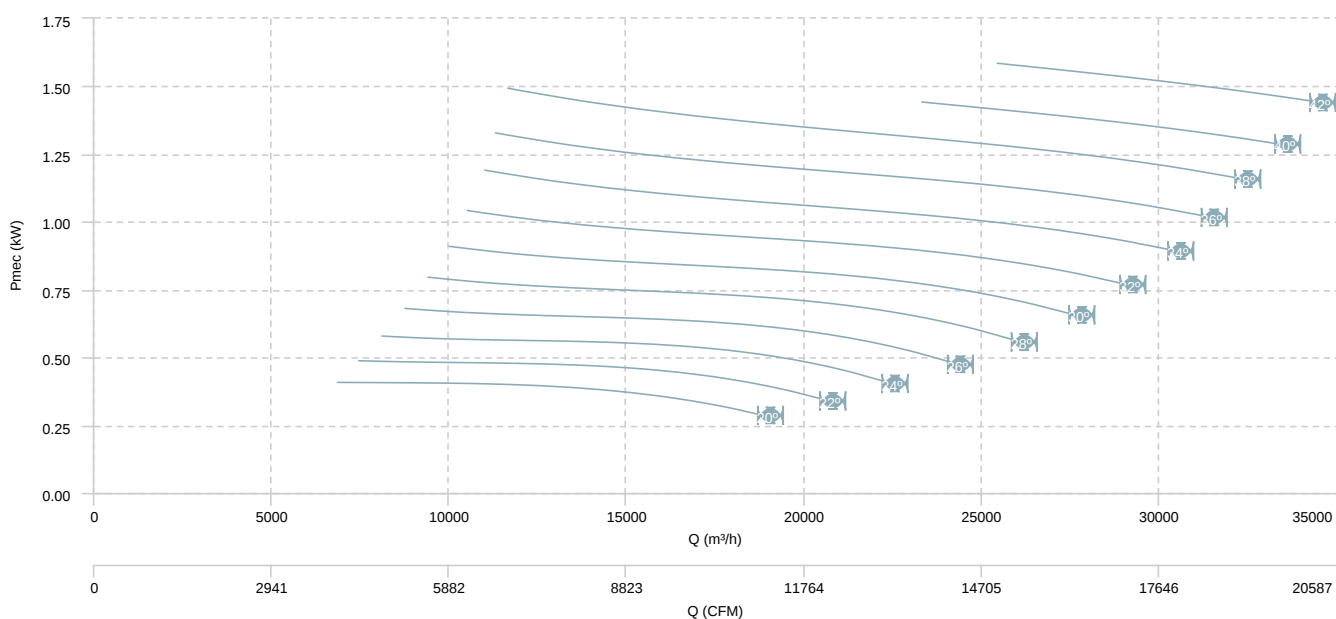


BOX HBA 100 T4/T8 (A6:3)

AIR FLOW - PRESSURE (8 poles)

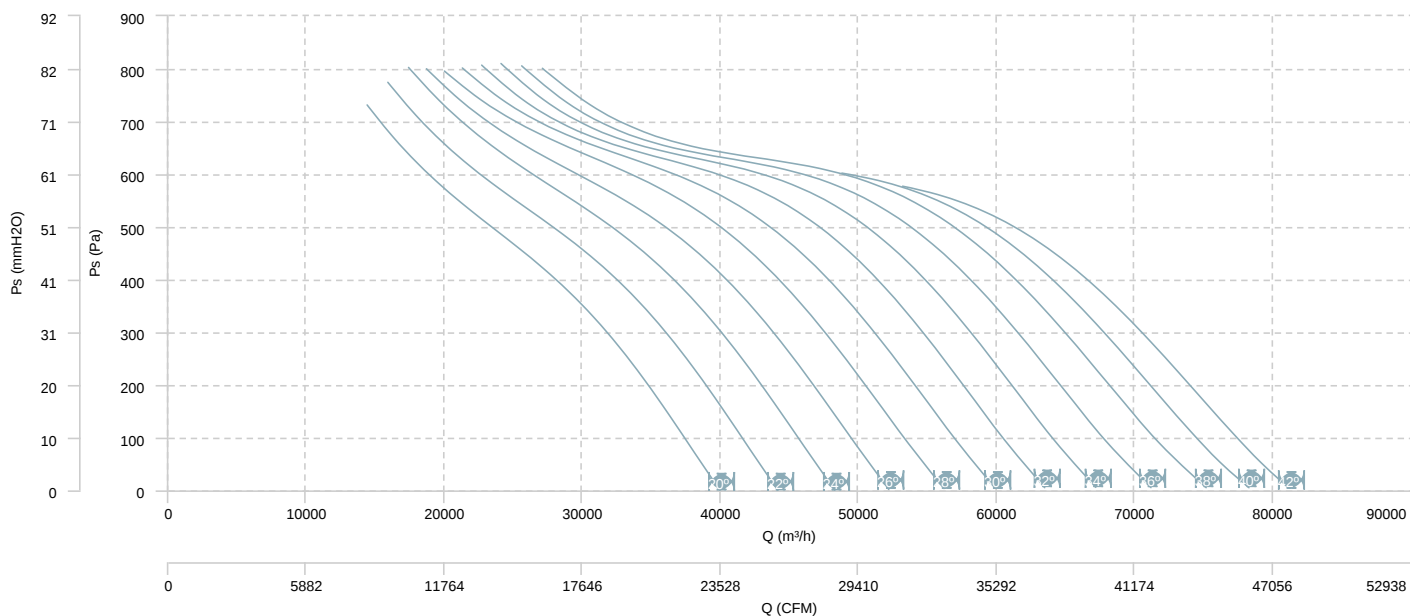


AIR FLOW - MECHANICAL POWER (8 poles)

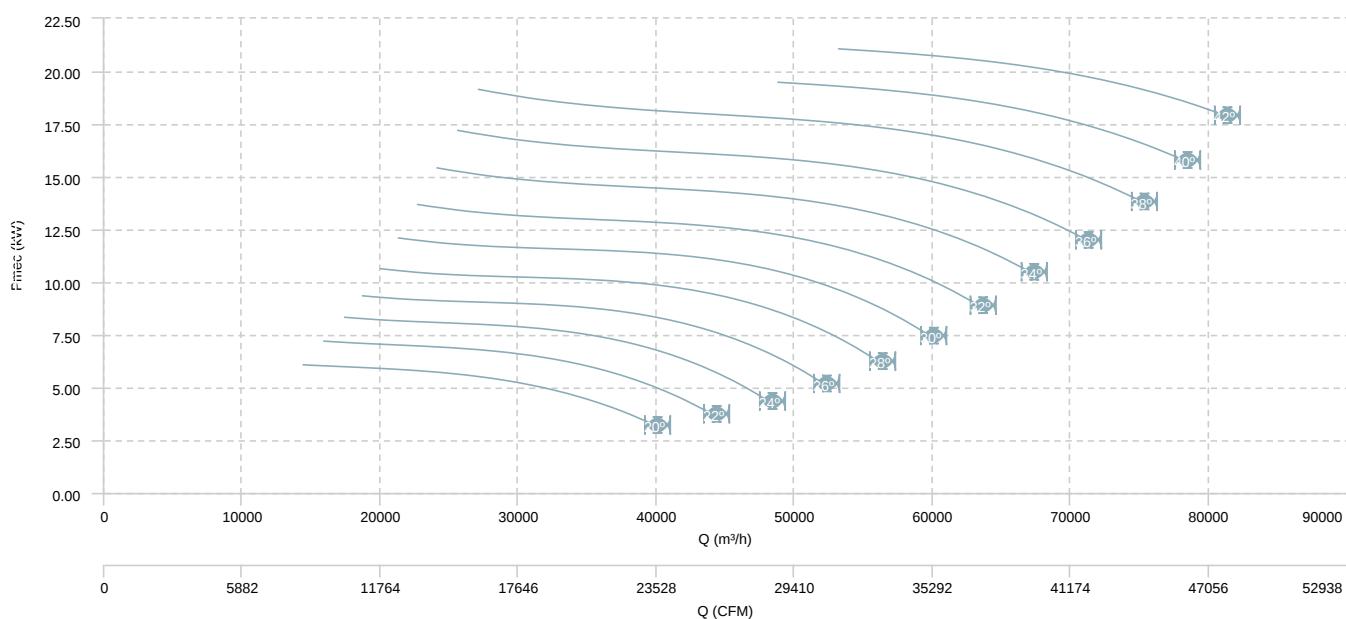


BOX HBA 100 T4/T8 (A6:6)

AIR FLOW - PRESSURE (4 poles)

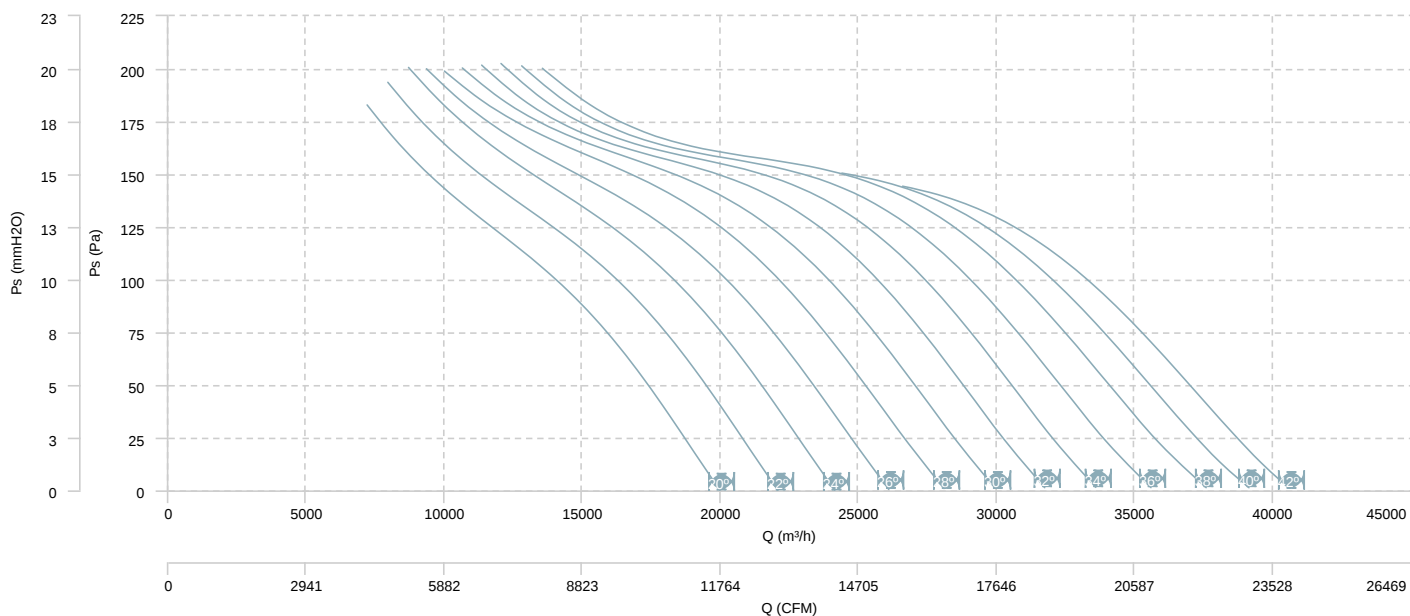


AIR FLOW - MECHANICAL POWER (4 poles)

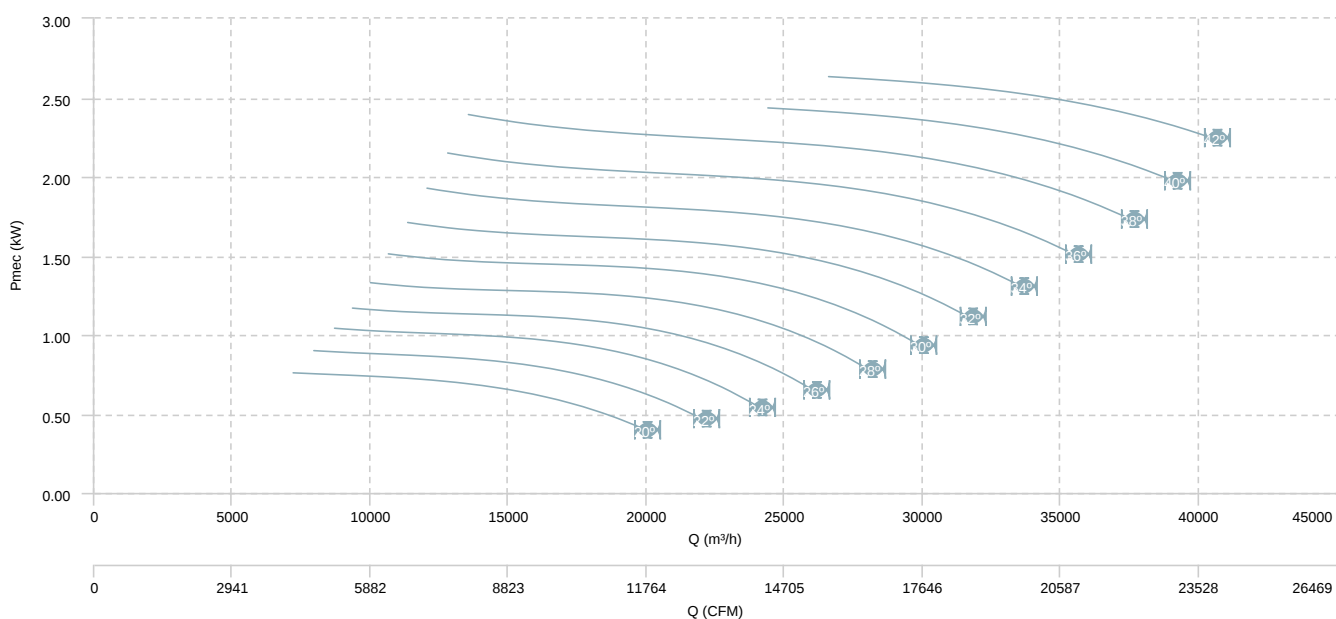


BOX HBA 100 T4/T8 (A6:6)

AIR FLOW - PRESSURE (8 poles)

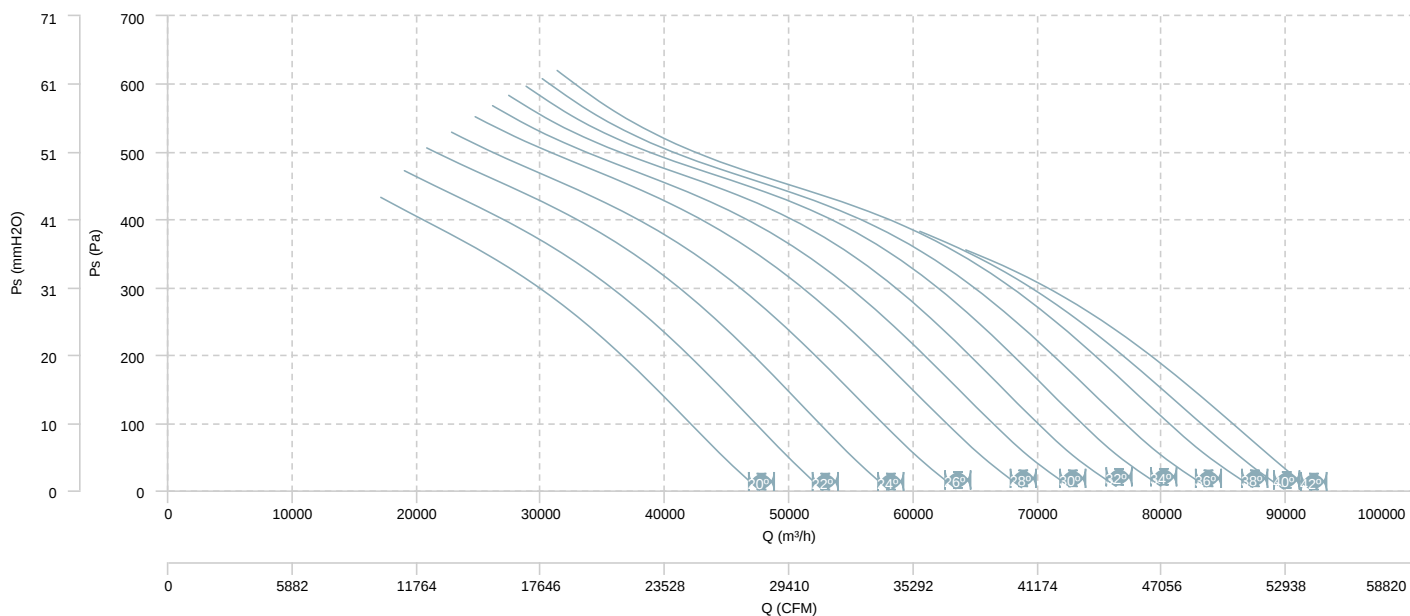


AIR FLOW - MECHANICAL POWER (8 poles)

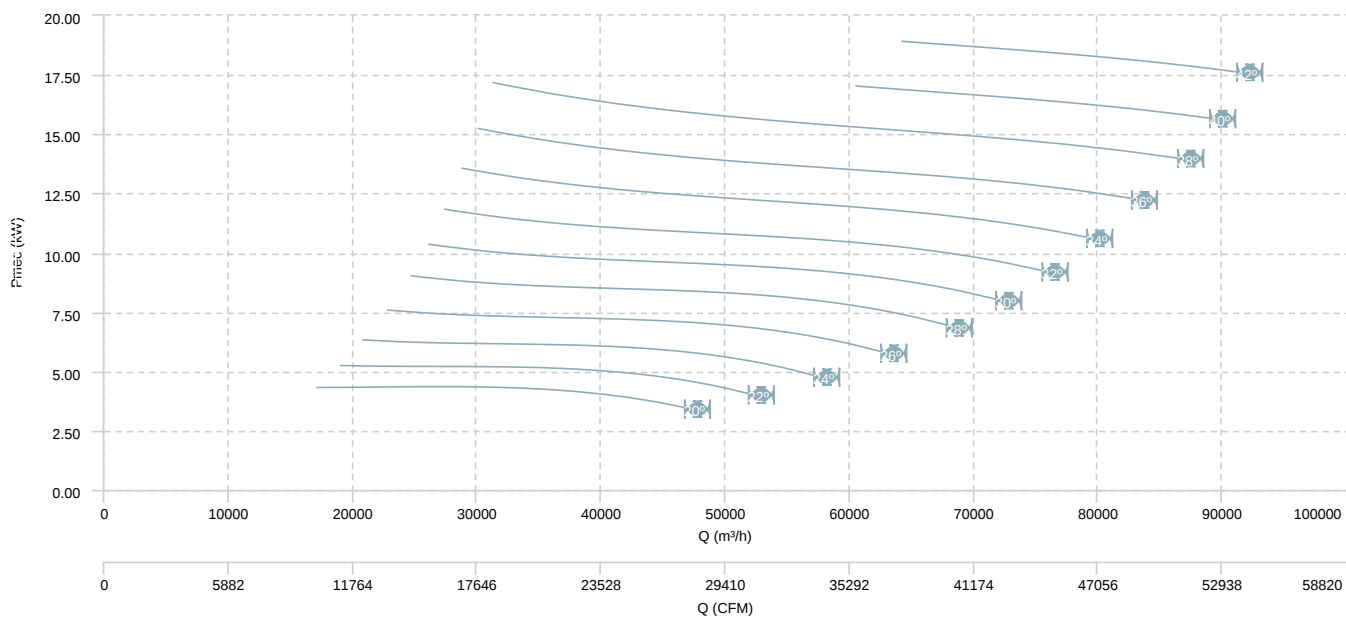


BOX HBA 112 T4 (A6:3)

AIR FLOW - PRESSURE

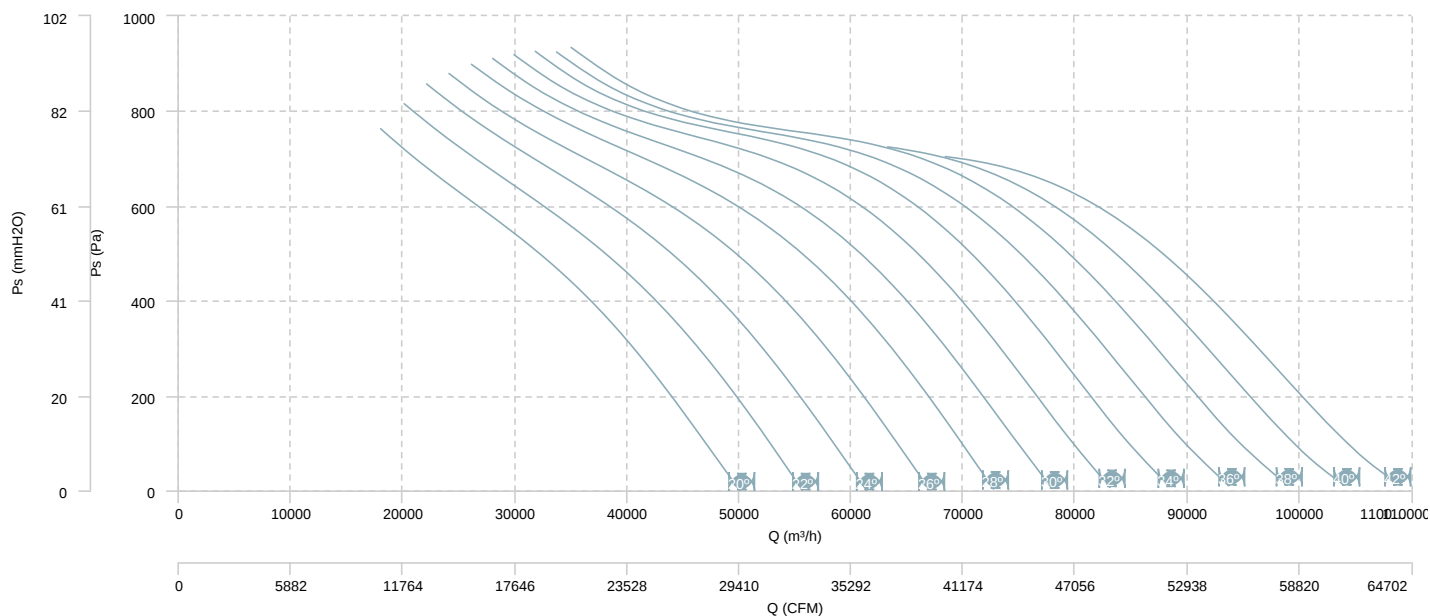


AIR FLOW - MECHANICAL POWER

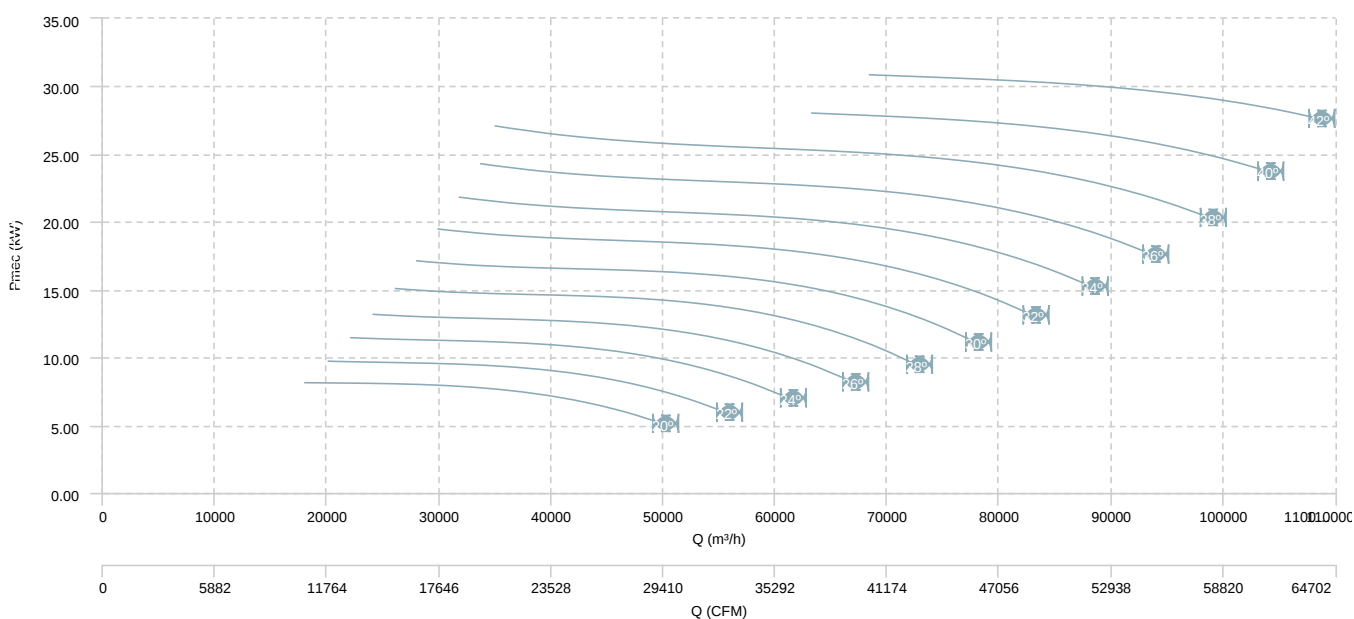


BOX HBA 112 T4 (A6:6)

AIR FLOW - PRESSURE

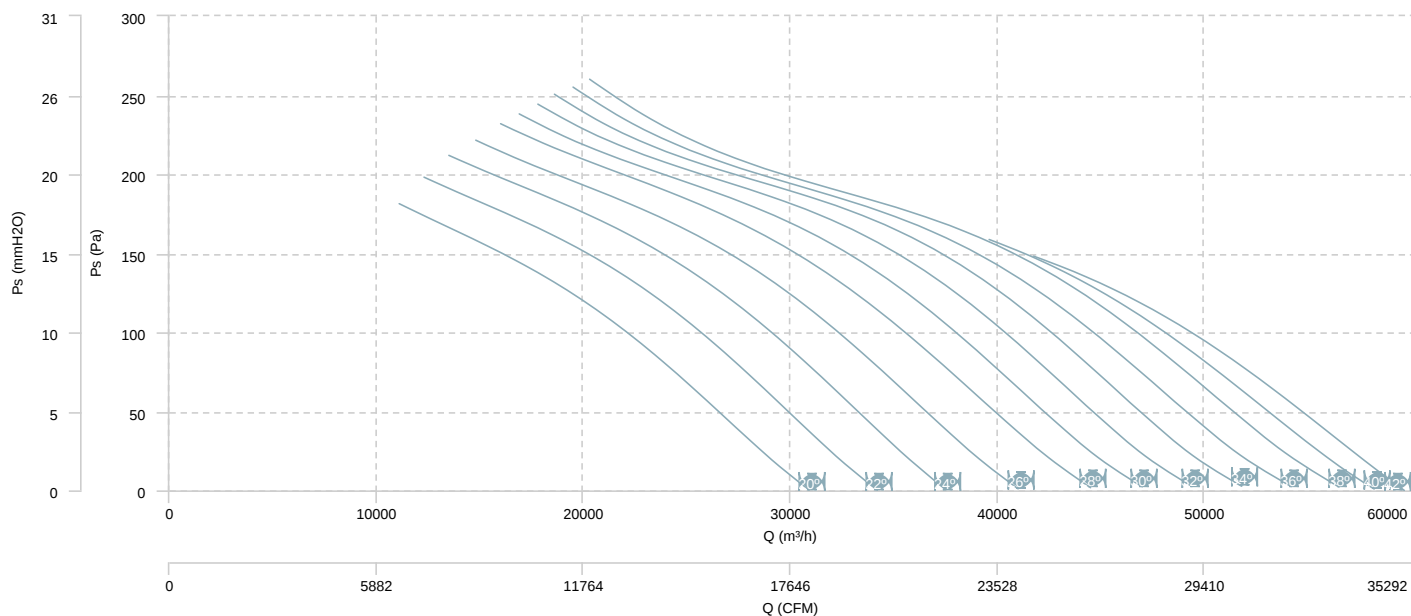


AIR FLOW - MECHANICAL POWER

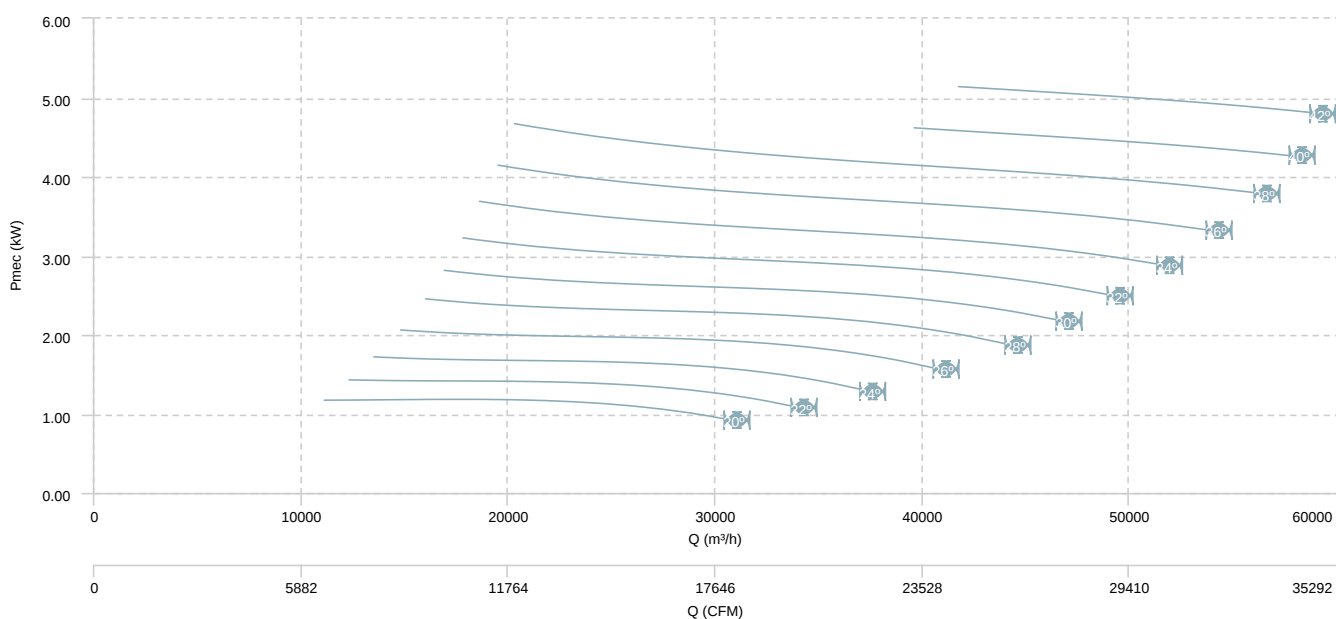


BOX HBA 112 T6 (A6:3)

AIR FLOW - PRESSURE

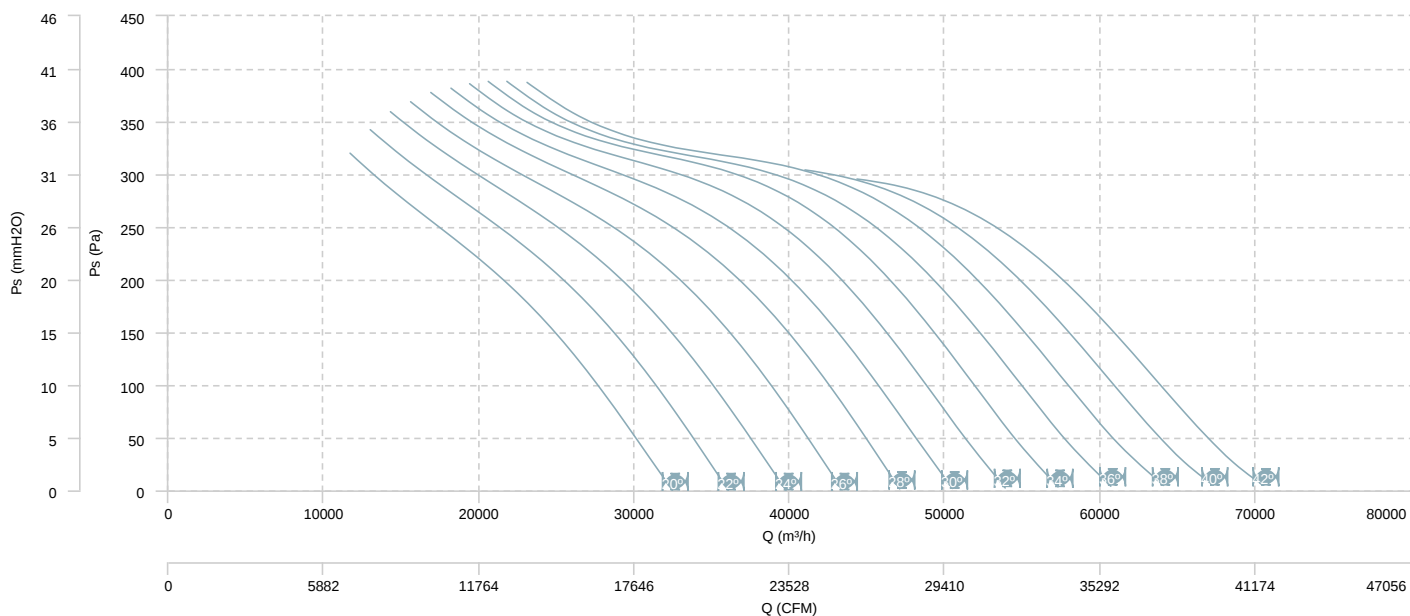


AIR FLOW - MECHANICAL POWER

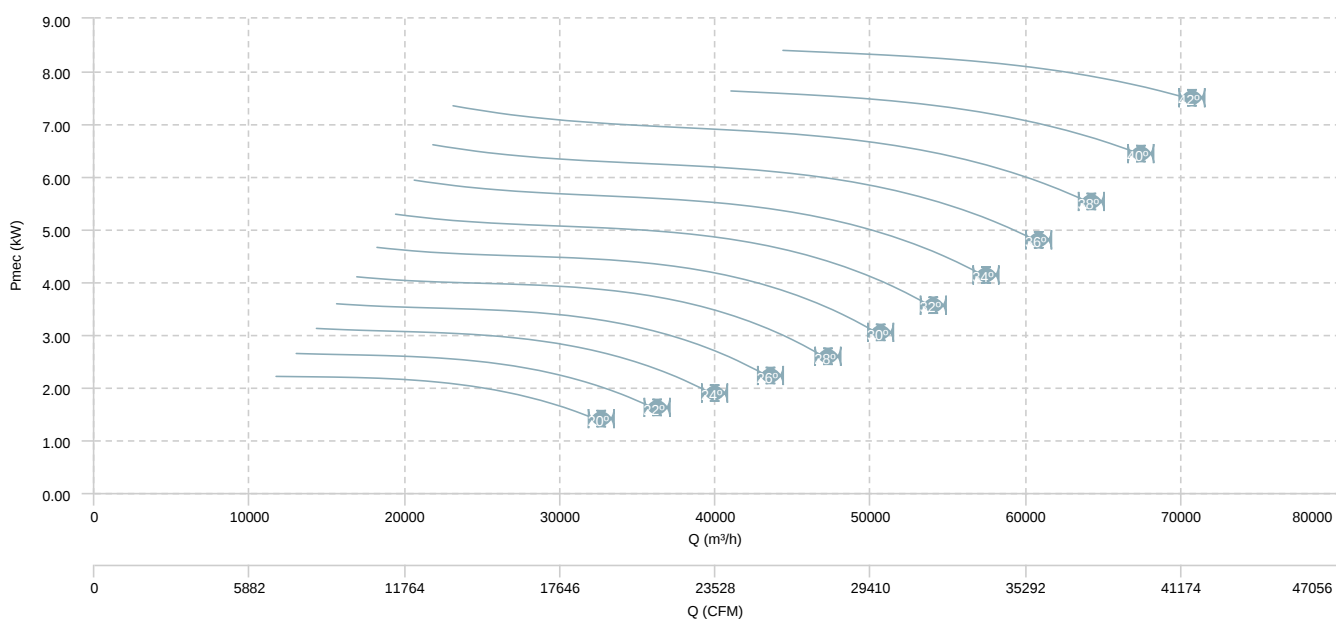


BOX HBA 112 T6 (A6:6)

AIR FLOW - PRESSURE

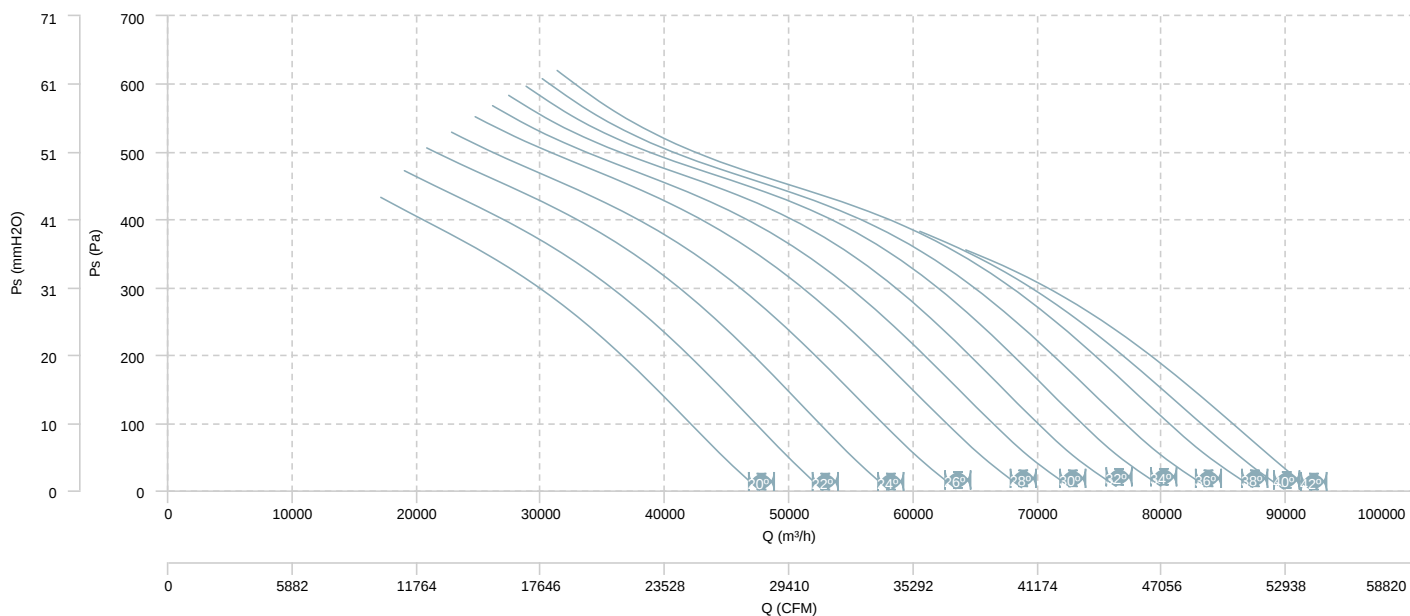


AIR FLOW - MECHANICAL POWER

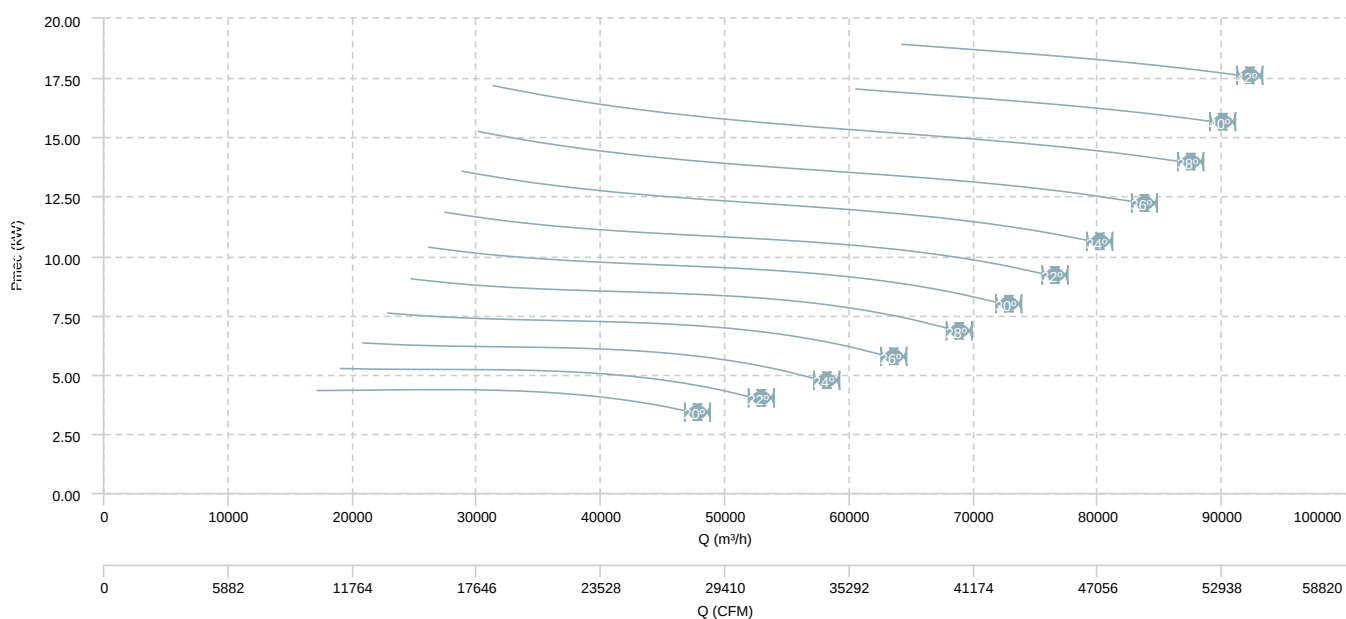


BOX HBA 112 T4/T8 (A6:3)

AIR FLOW - PRESSURE (4 poles)

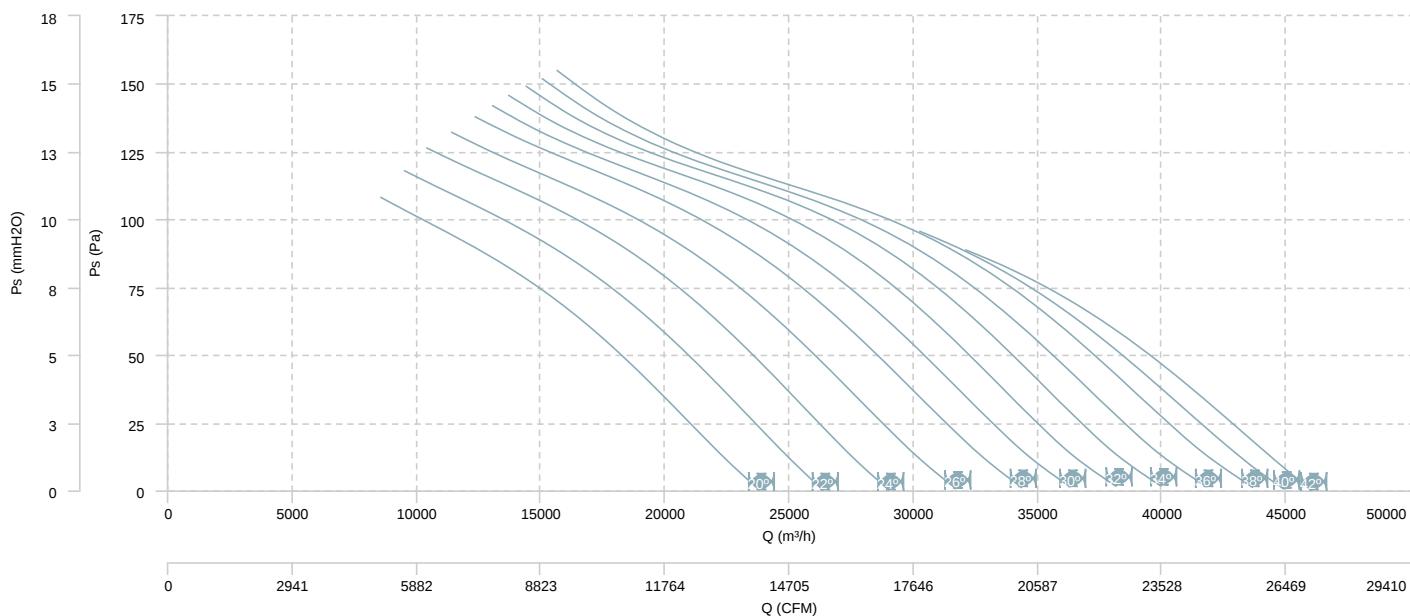


AIR FLOW - MECHANICAL POWER (4 poles)



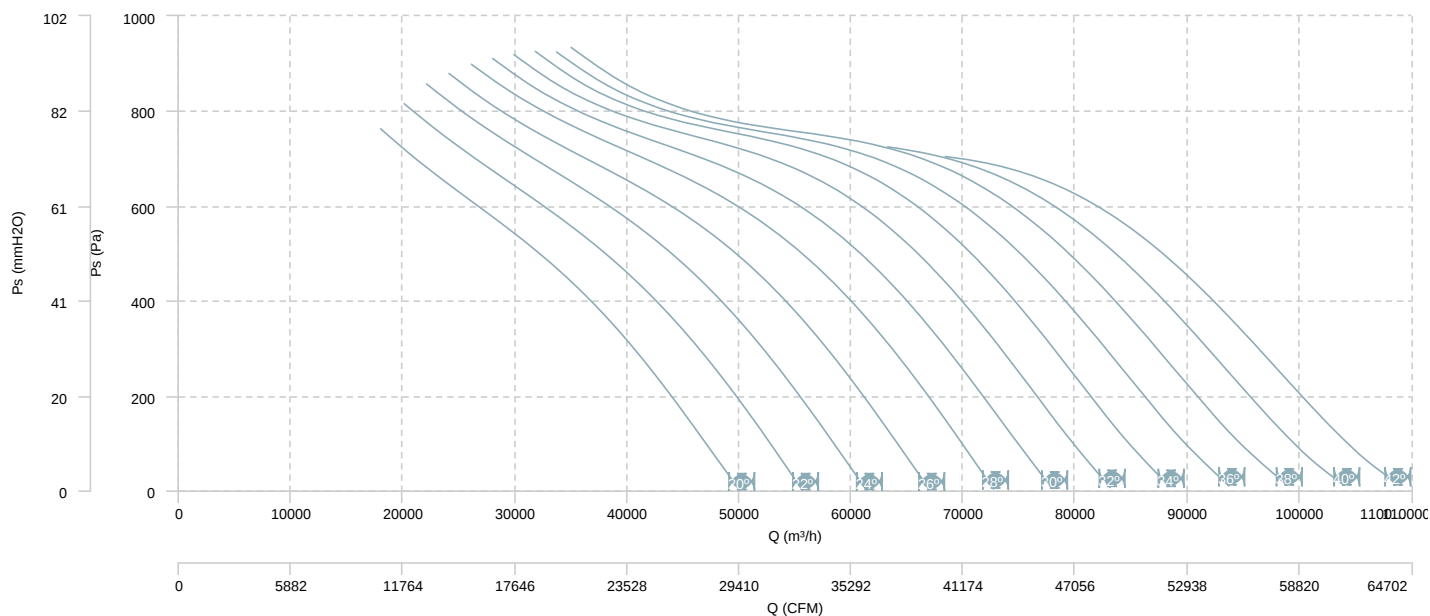
BOX HBA 112 T4/T8 (A6:3)

AIR FLOW - PRESSURE (8 poles)

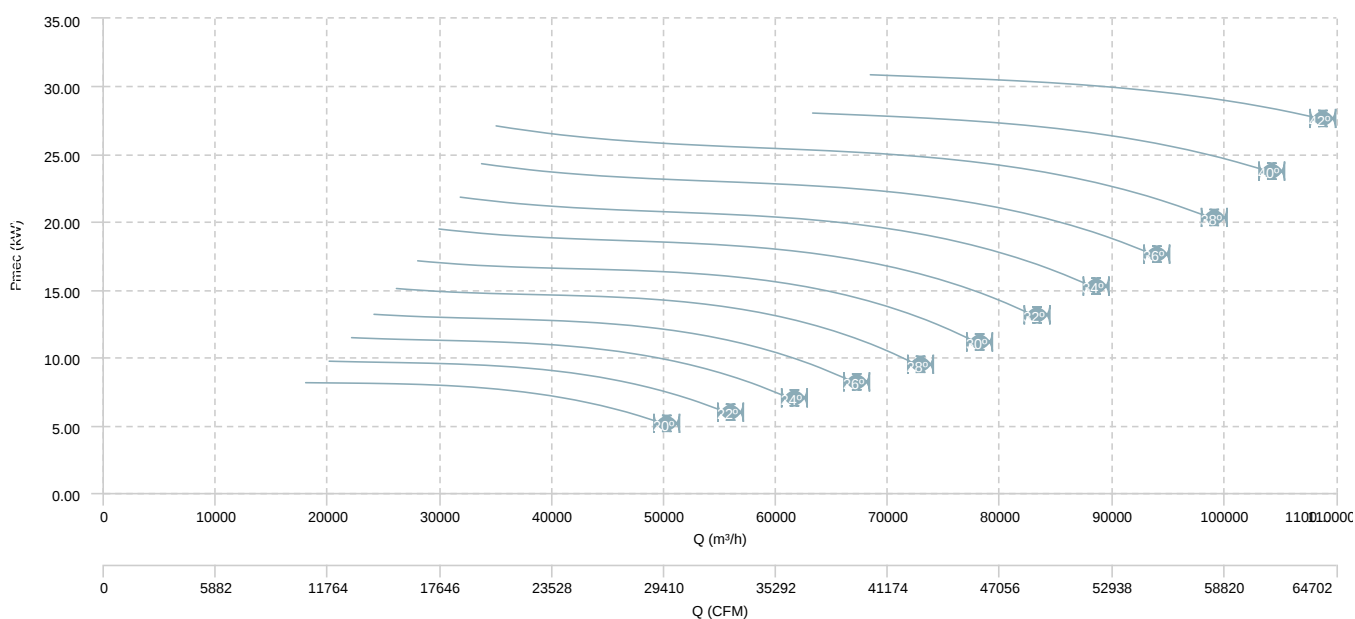


BOX HBA 112 T4/T8 (A6:6)

AIR FLOW - PRESSURE (4 poles)

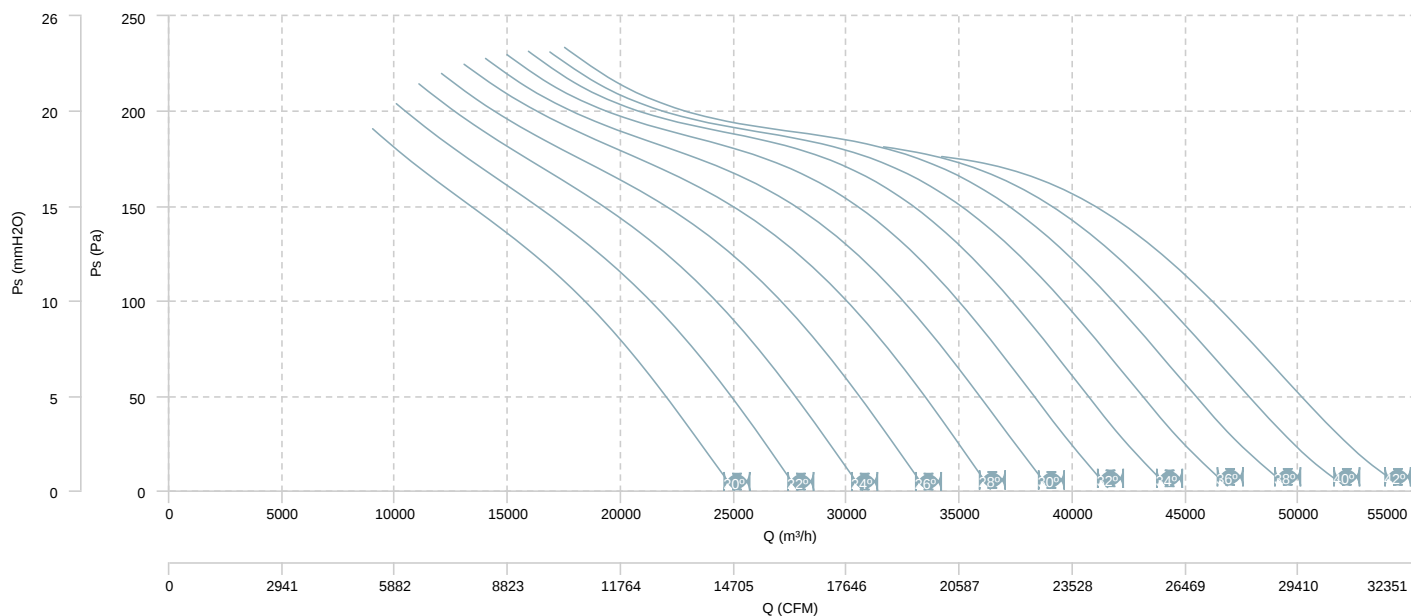


AIR FLOW - MECHANICAL POWER (4 poles)

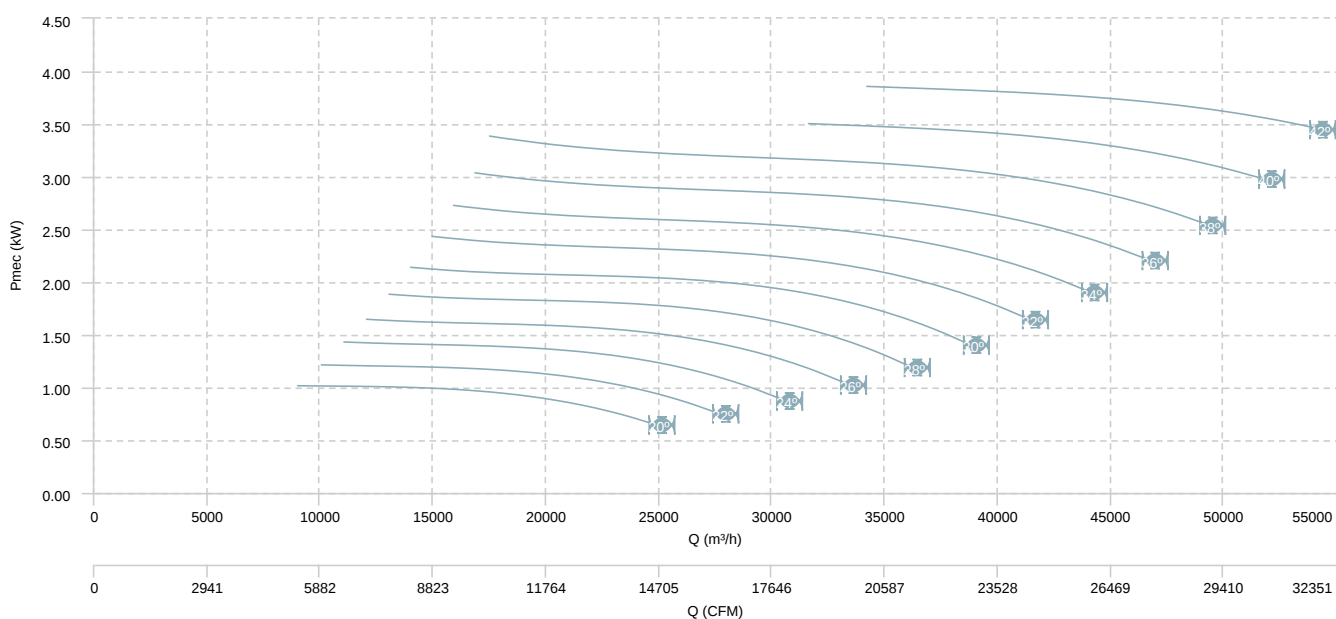


BOX HBA 112 T4/T8 (A6:6)

AIR FLOW - PRESSURE (8 poles)

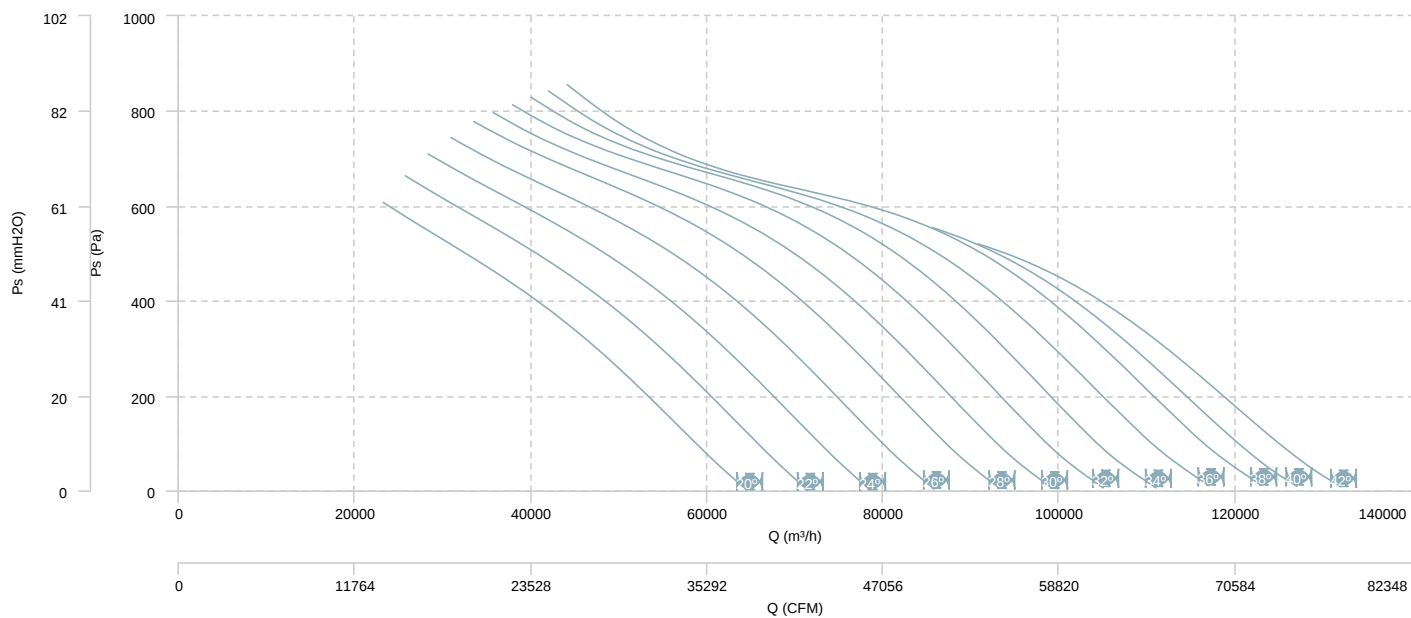


AIR FLOW - MECHANICAL POWER (8 poles)

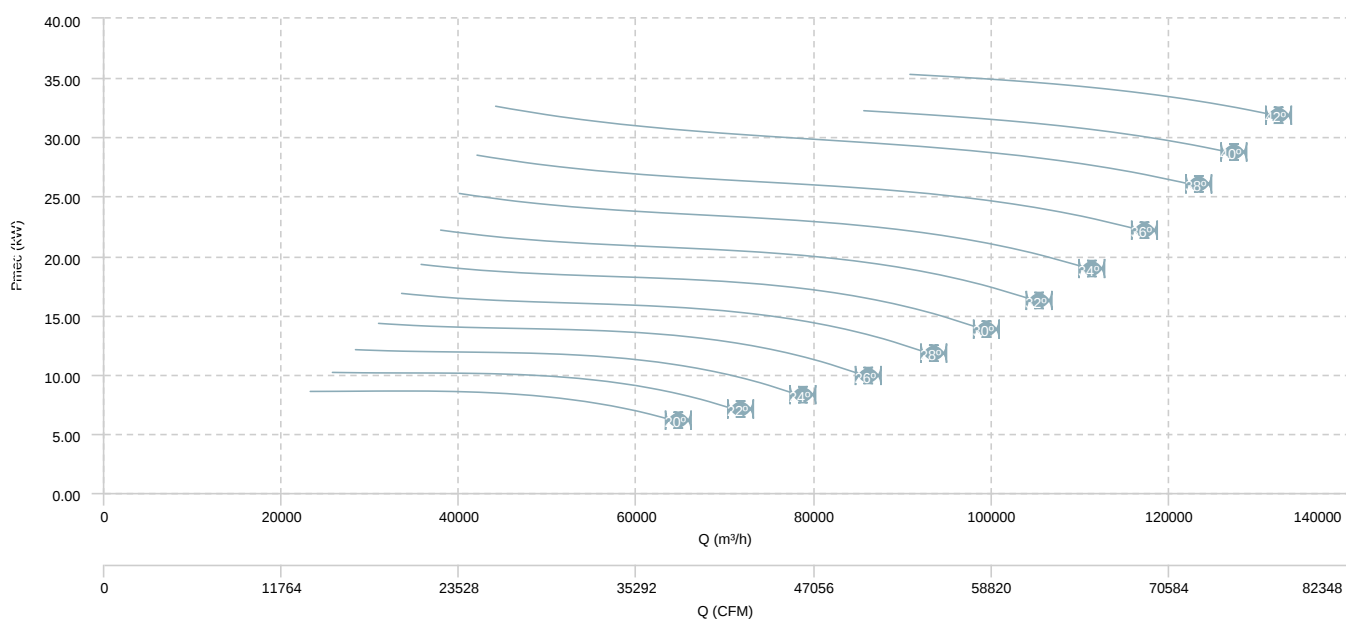


BOX HBA 125 T4 (A7:4)

AIR FLOW - PRESSURE

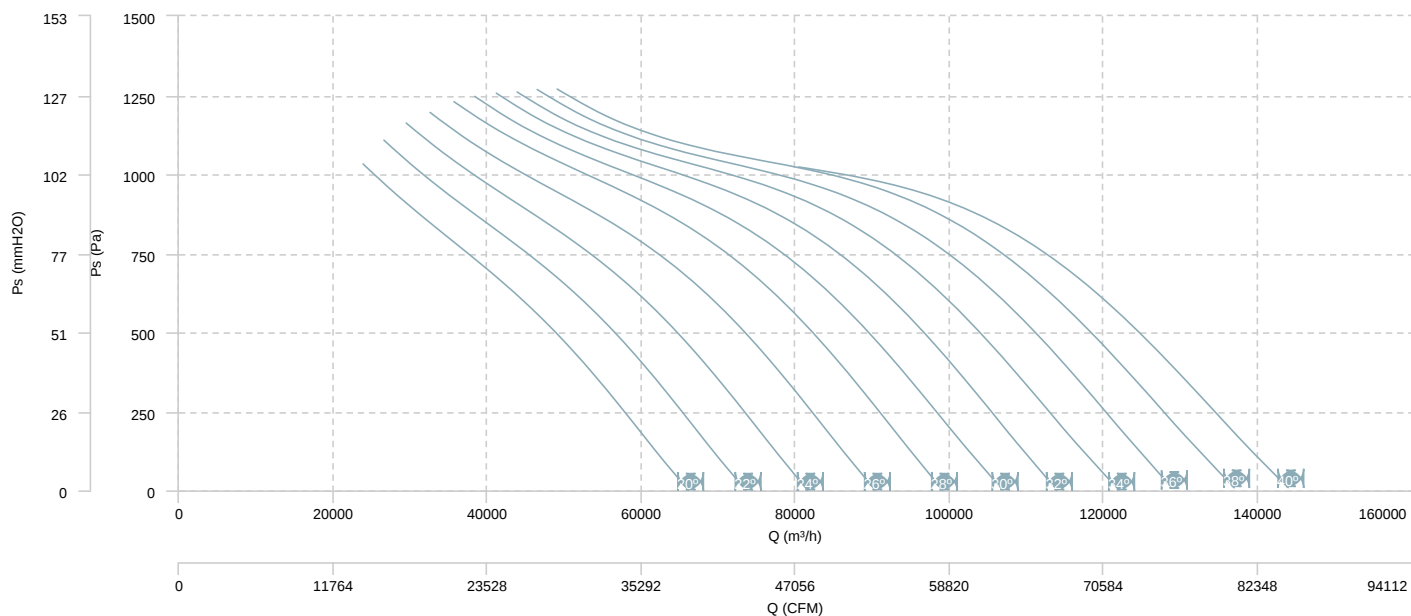


AIR FLOW - MECHANICAL POWER

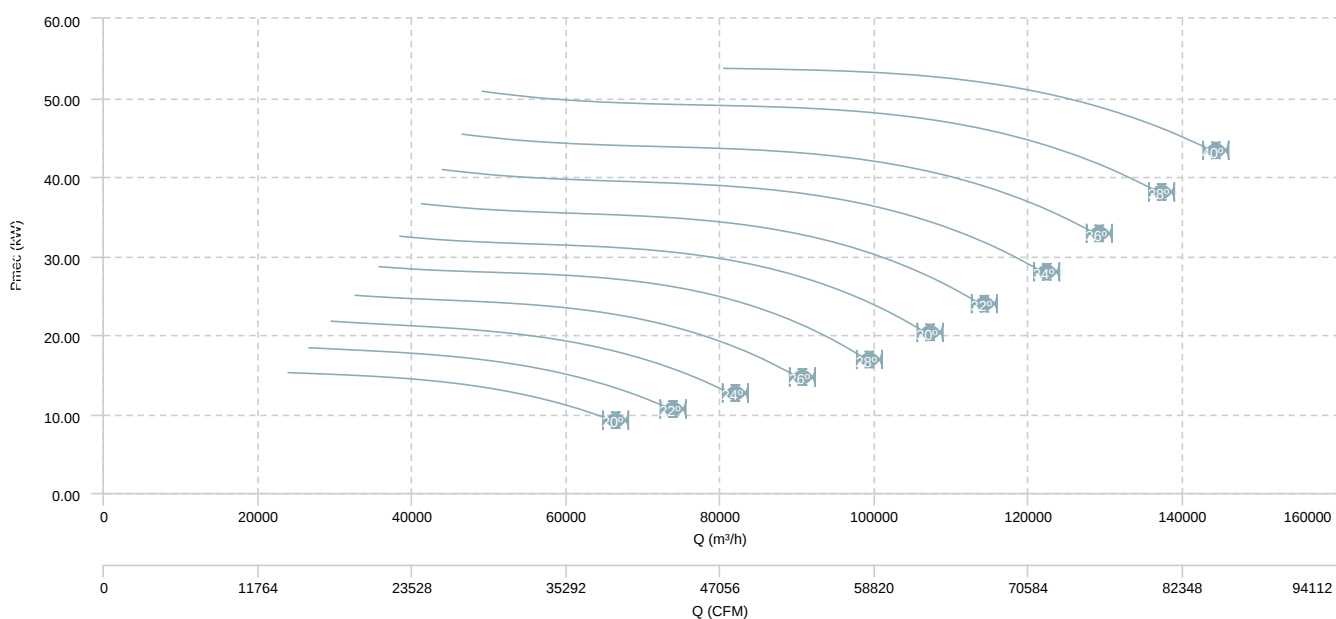


BOX HBA 125 T4 (A7:8)

AIR FLOW - PRESSURE

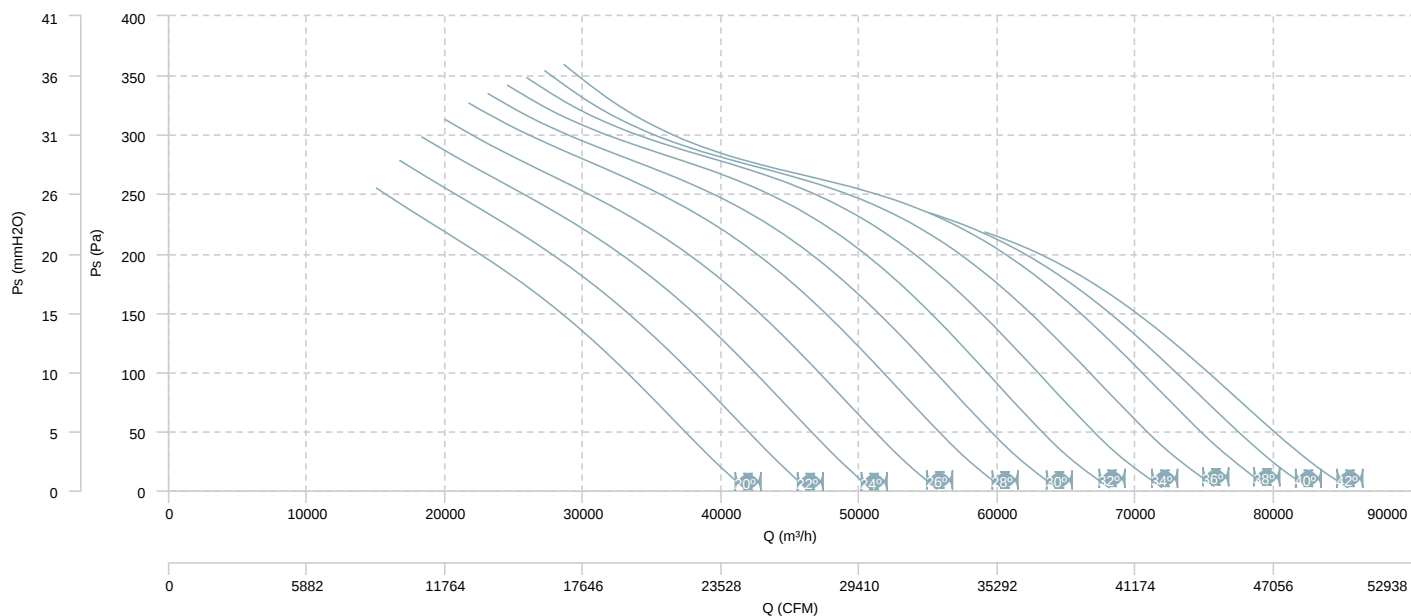


AIR FLOW - MECHANICAL POWER

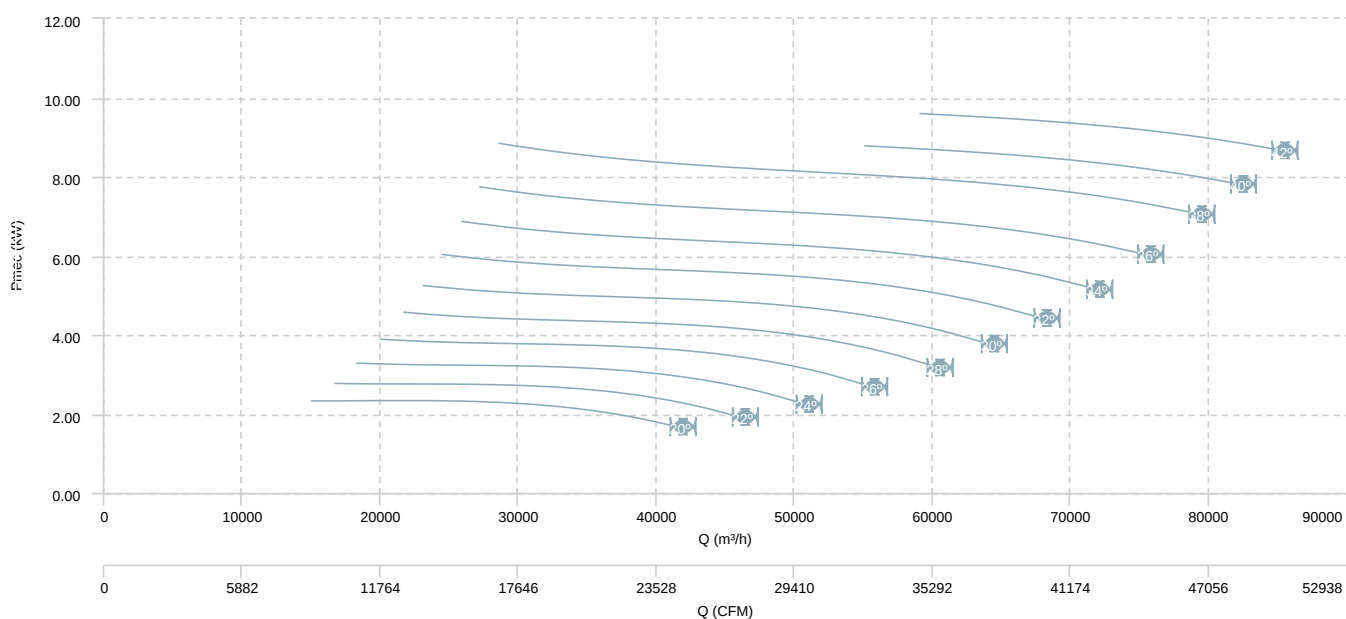


BOX HBA 125 T6 (A7:4)

AIR FLOW - PRESSURE

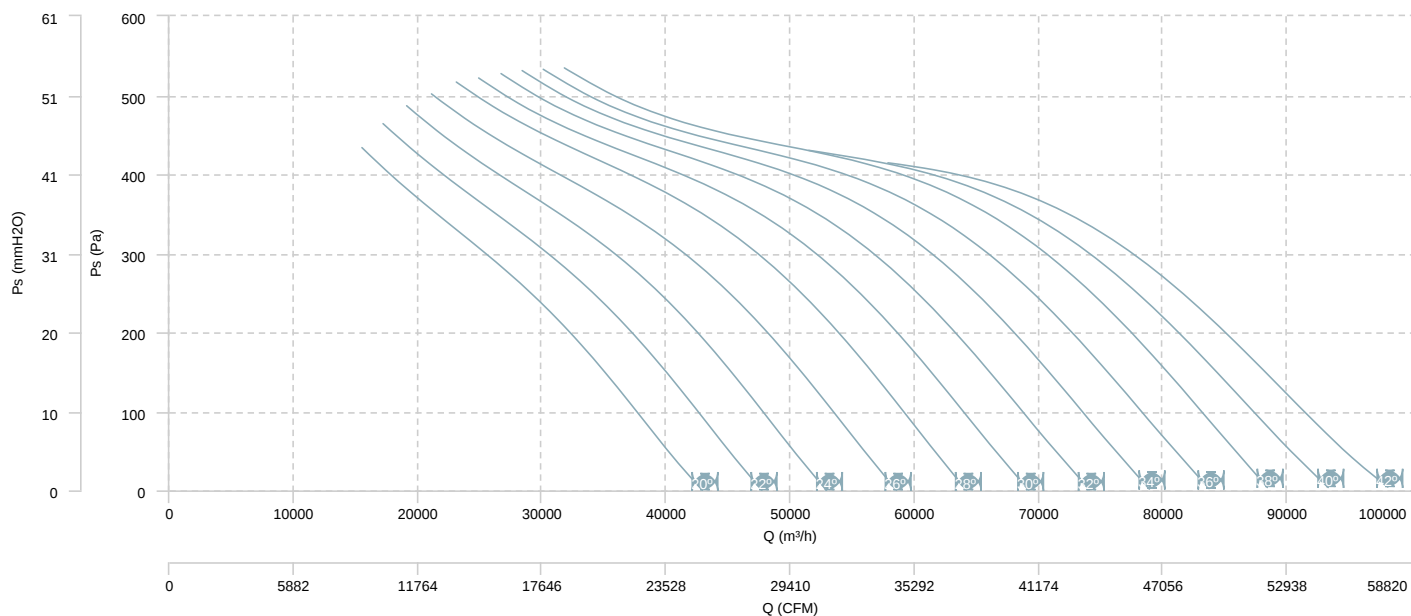


AIR FLOW - MECHANICAL POWER

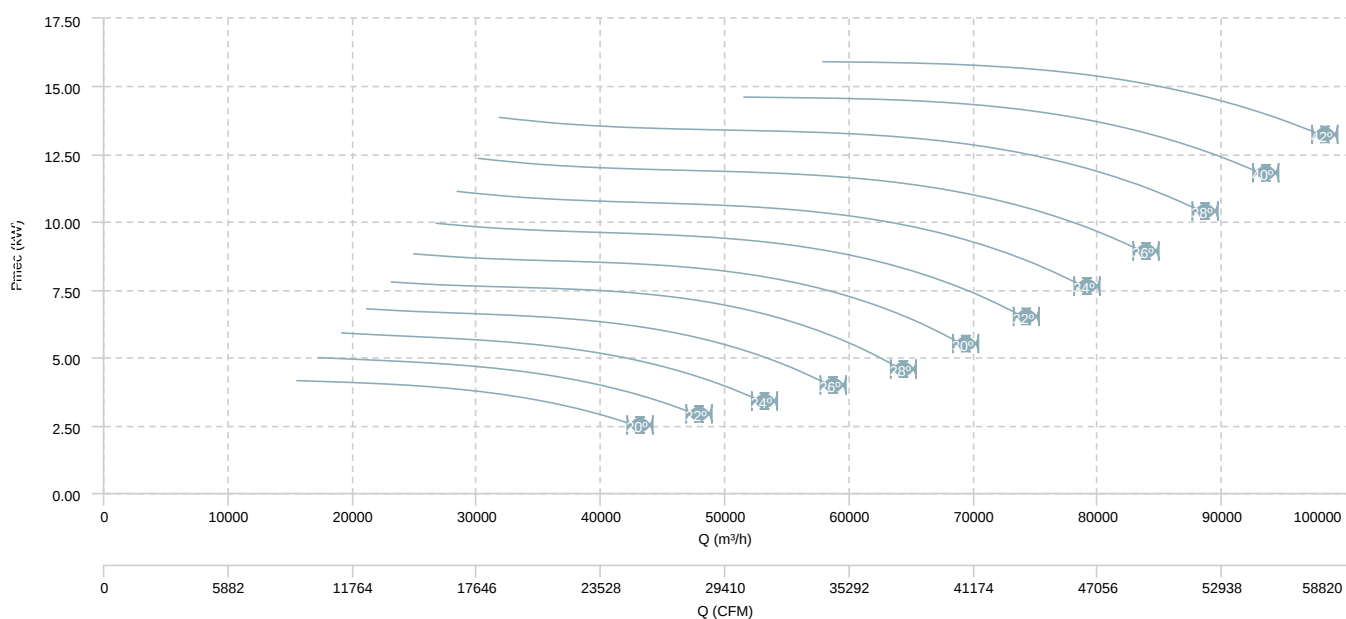


BOX HBA 125 T6 (A7:8)

AIR FLOW - PRESSURE

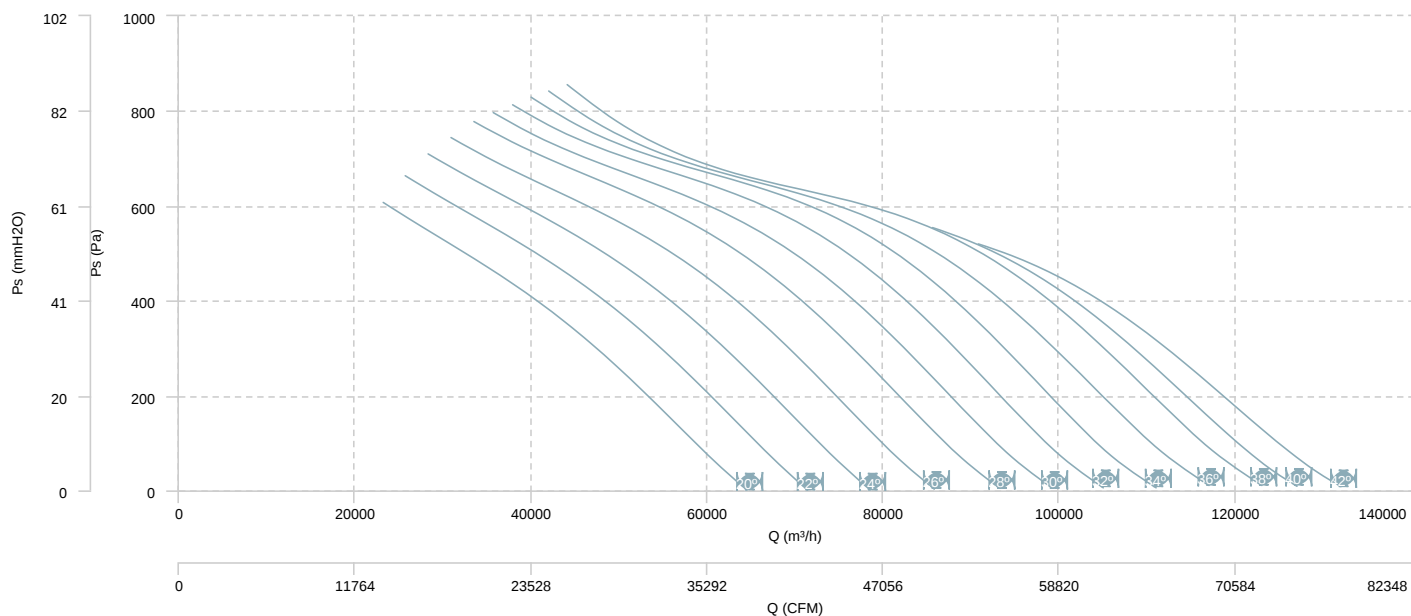


AIR FLOW - MECHANICAL POWER

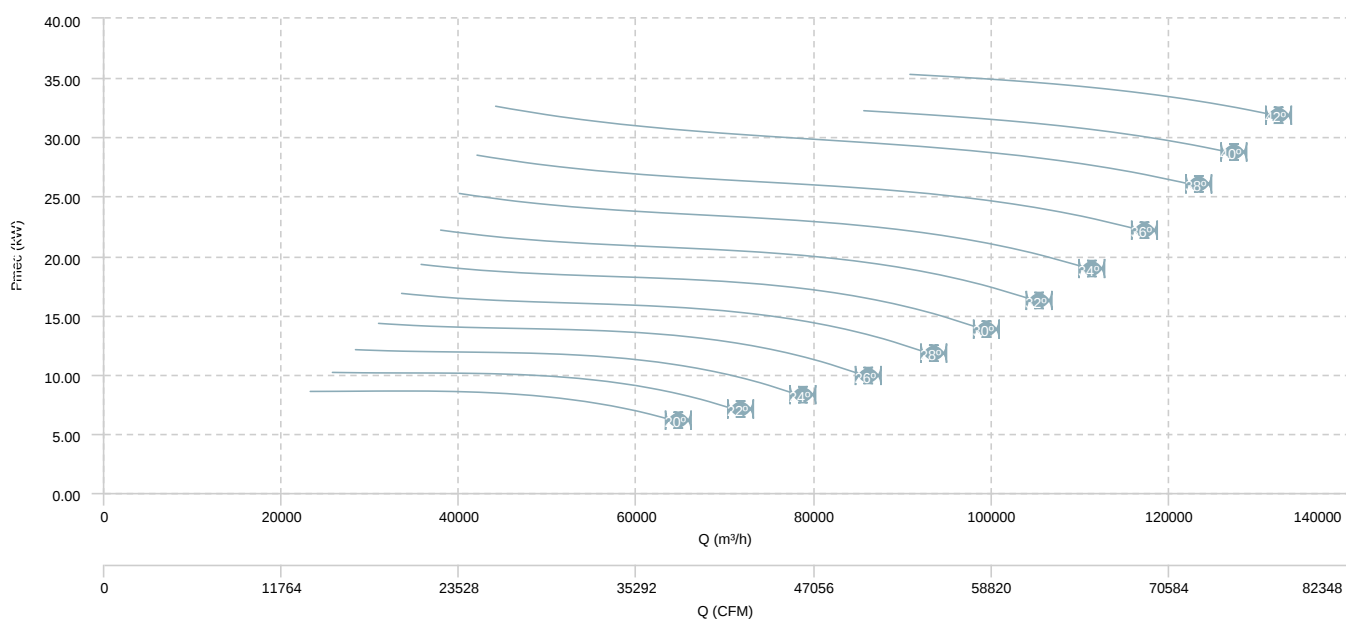


BOX HBA 125 T4/T8 (A7:4)

AIR FLOW - PRESSURE (4 poles)

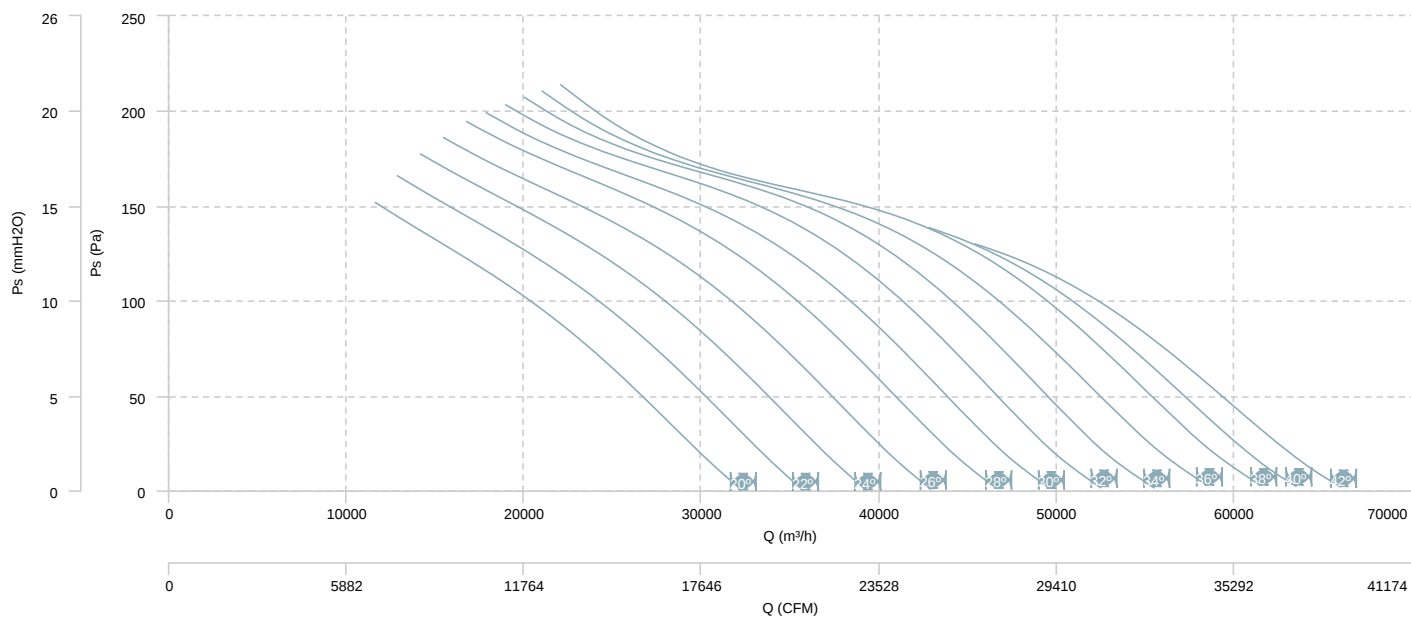


AIR FLOW - MECHANICAL POWER (4 poles)

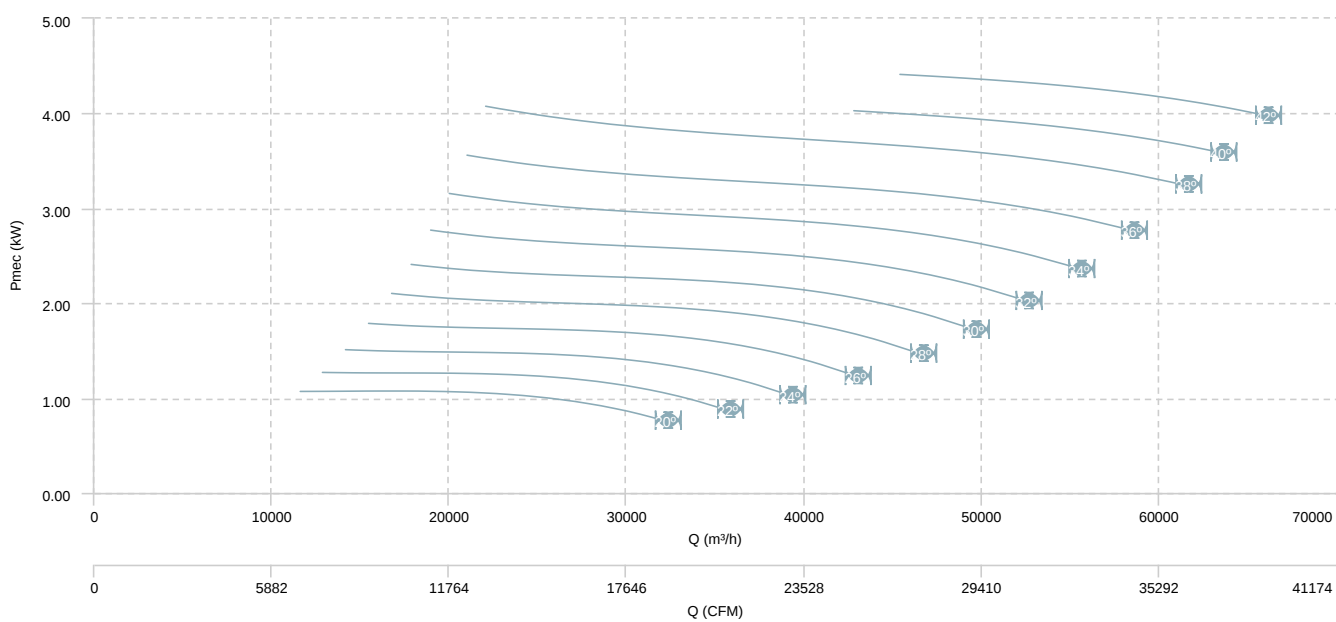


BOX HBA 125 T4/T8 (A7:4)

AIR FLOW - PRESSURE (8 poles)

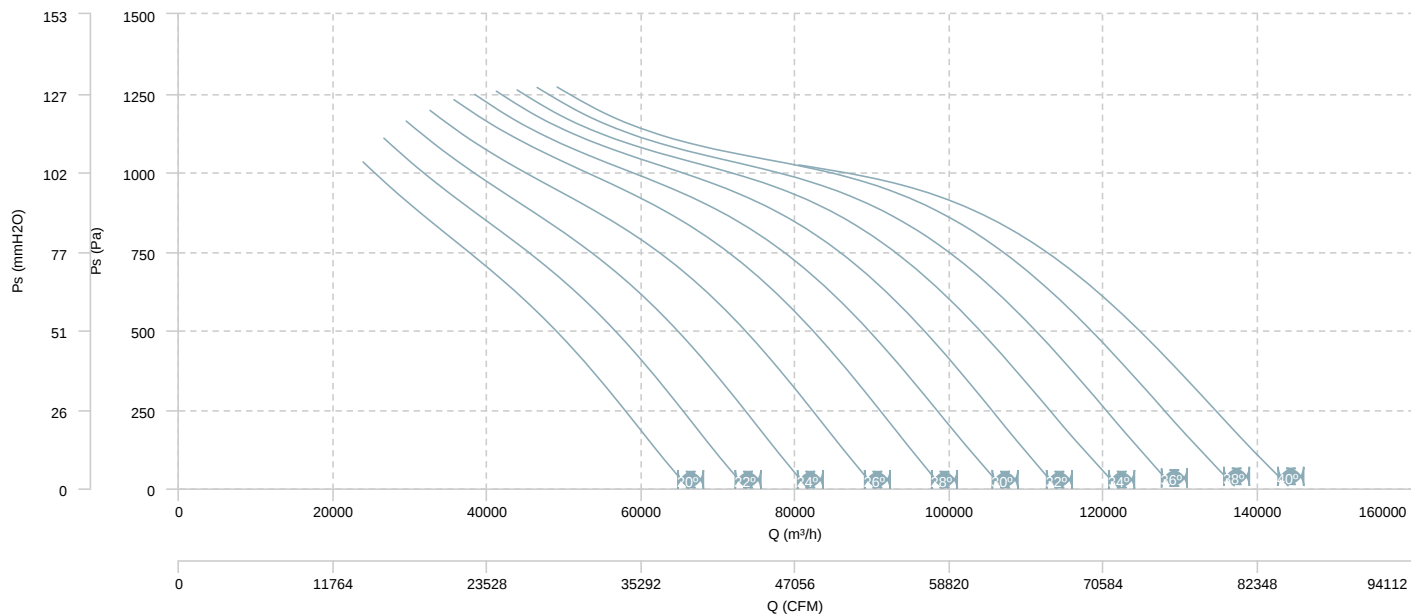


AIR FLOW - MECHANICAL POWER (8 poles)

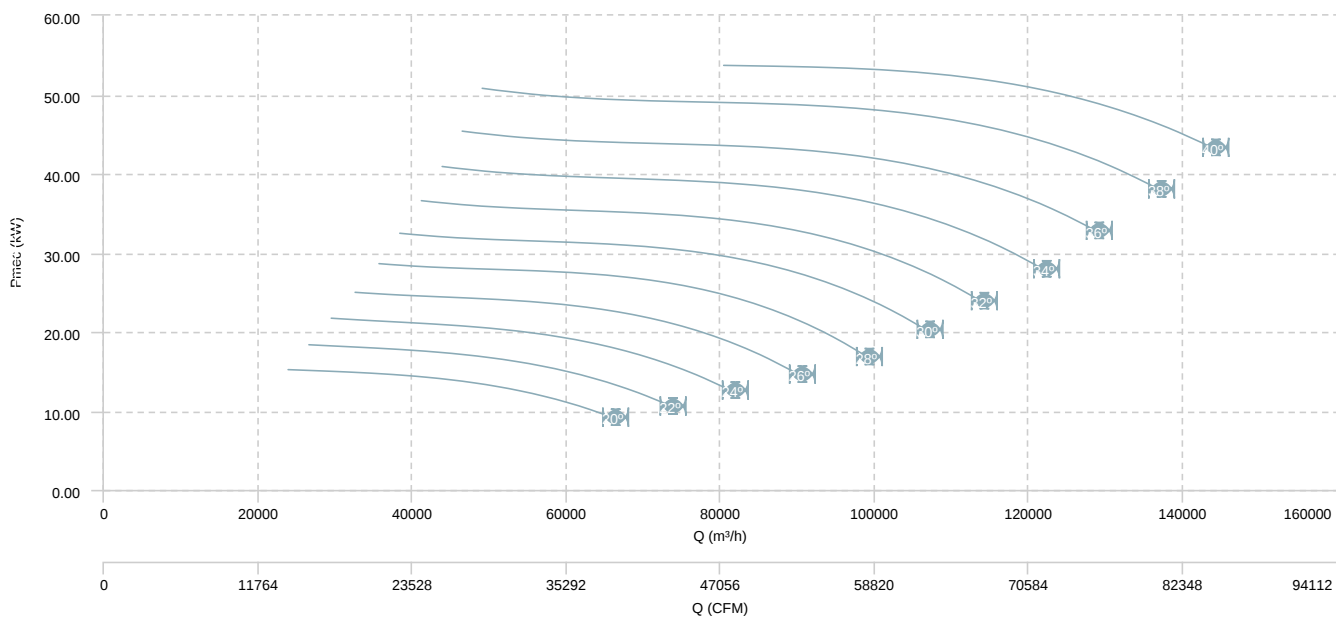


BOX HBA 125 T4/T8 (A7:8)

AIR FLOW - PRESSURE (4 poles)

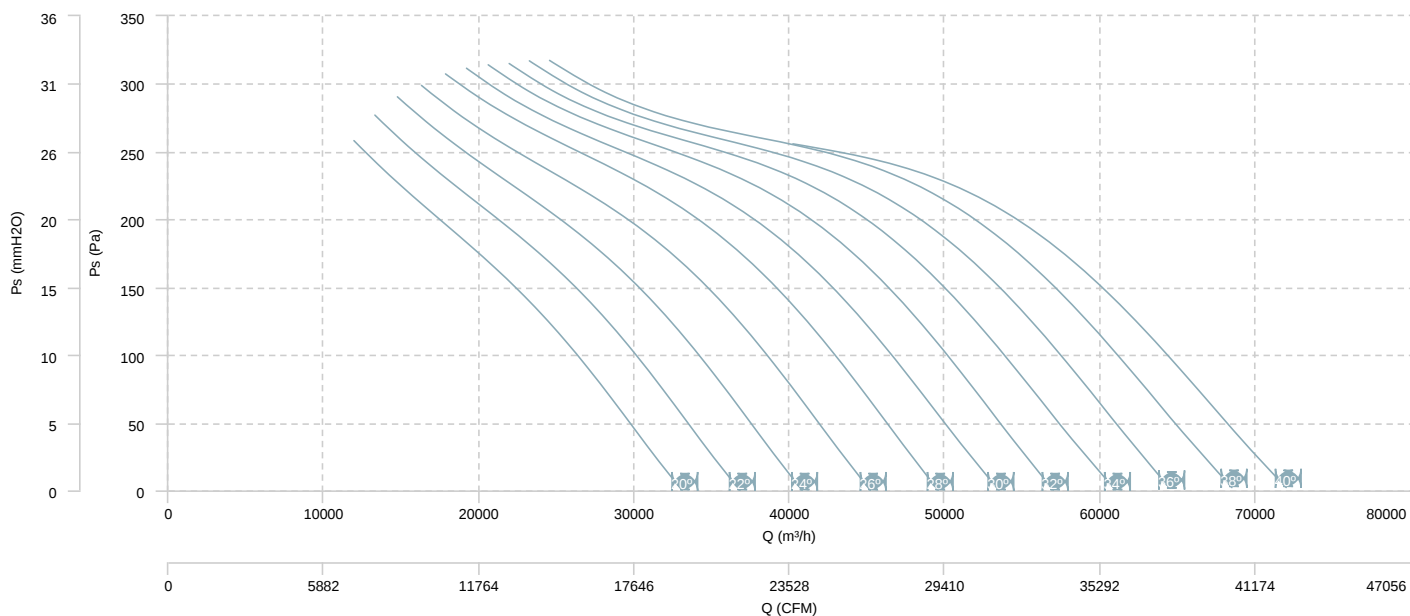


AIR FLOW - MECHANICAL POWER (4 poles)

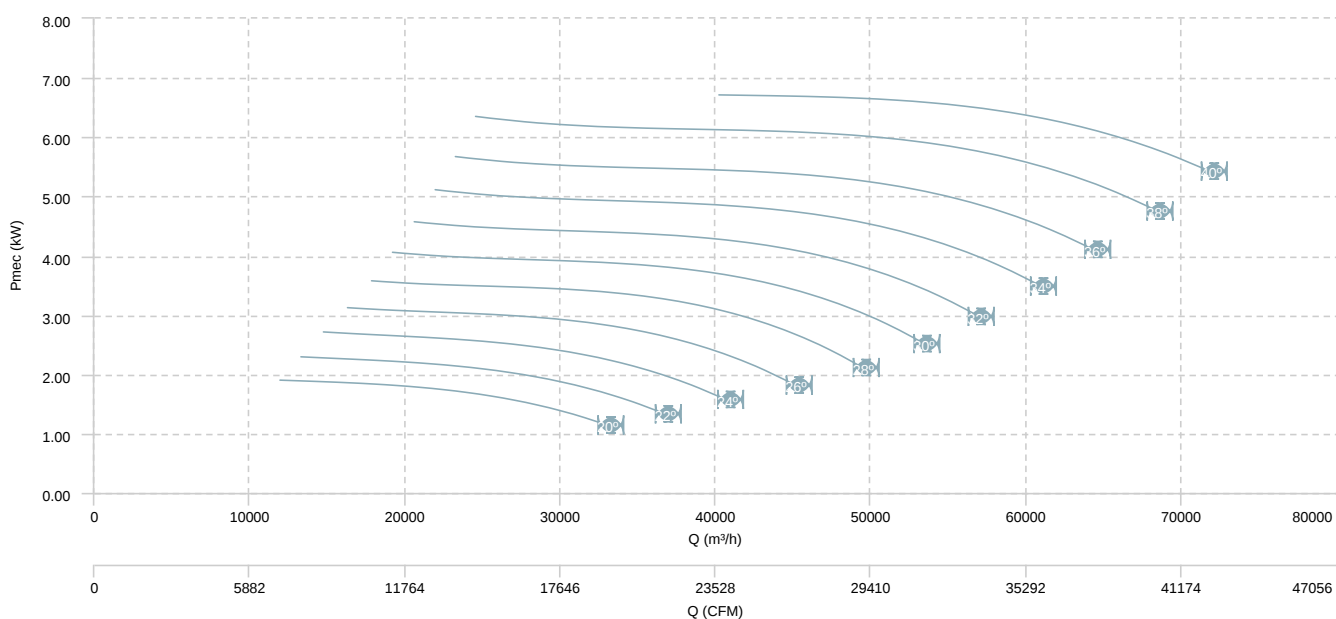


BOX HBA 125 T4/T8 (A7:8)

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 HBA 45 M4 (A0:6) (35º)	Inlet	42	49	54	59	62	63	64	58	69
BOX HBA 45 M4 (A0:6) (40º)	Inlet	44	51	57	60	63	64	65	58	70
BOX HBA 45 M4 (A5:6) (25º)	Inlet	42	47	54	61	60	61	63	56	68
BOX HBA 45 M4 (A5:6) (30º)	Inlet	45	50	57	61	63	64	65	56	70
BOX HBA 45 M4 (A5:6) (35º)	Inlet	47	51	59	60	65	65	66	56	71
BOX HBA 45 M4 (A5:6) (40º)	Inlet	50	53	62	63	67	67	68	59	73
BOX HBA 45 M4 (A5:6) (45º)	Inlet	49	53	61	64	68	68	69	61	74
BOX HBA 45 T4 (A0:6) (35º)	Inlet	42	49	54	59	62	63	64	58	69
BOX HBA 45 T4 (A0:6) (40º)	Inlet	44	51	57	60	63	64	65	58	70
BOX HBA 45 T4 (A5:6) (25º)	Inlet	42	47	54	61	60	61	63	56	68
BOX HBA 45 T4 (A5:6) (30º)	Inlet	45	50	57	61	63	64	65	56	70
BOX HBA 45 T4 (A5:6) (35º)	Inlet	47	51	59	60	65	65	66	56	71
BOX HBA 45 T4 (A5:6) (40º)	Inlet	50	53	62	63	67	67	68	59	73
BOX HBA 45 T4 (A5:6) (45º)	Inlet	49	53	61	64	68	68	69	61	74
BOX HBA 50 M4 (A0:6) (35º)	Inlet	43	50	57	60	63	62	64	57	69
BOX HBA 50 M4 (A0:6) (40º)	Inlet	46	53	58	62	66	65	66	59	71
BOX HBA 50 M4 (A5:6) (25º)	Inlet	41	48	53	58	61	63	65	57	69
BOX HBA 50 M4 (A5:6) (30º)	Inlet	44	49	56	60	63	64	67	58	71
BOX HBA 50 M4 (A5:6) (35º)	Inlet	46	51	58	64	66	67	69	60	74
BOX HBA 50 M4 (A5:6) (40º)	Inlet	46	53	58	64	66	67	69	60	74
BOX HBA 50 M4 (A5:6) (45º)	Inlet	49	56	61	69	70	70	72	64	77
BOX HBA 50 T4 (A0:6) (35º)	Inlet	43	50	57	60	63	62	64	57	69
BOX HBA 50 T4 (A0:6) (40º)	Inlet	46	53	58	62	66	65	66	59	71
BOX HBA 50 T4 (A5:6) (25º)	Inlet	41	48	53	58	61	63	65	57	69
BOX HBA 50 T4 (A5:6) (30º)	Inlet	44	49	56	60	63	64	67	58	71
BOX HBA 50 T4 (A5:6) (35º)	Inlet	46	51	58	64	66	67	69	60	74
BOX HBA 50 T4 (A5:6) (40º)	Inlet	46	53	58	64	66	67	69	60	74
BOX HBA 50 T4 (A5:6) (45º)	Inlet	49	56	61	69	70	70	72	64	77
BOX HBA 56 M4 (A2:6) (20º)	Inlet	43	51	61	70	72	72	73	69	78
BOX HBA 56 M4 (A2:6) (25º)	Inlet	47	54	63	70	72	73	74	69	79
BOX HBA 56 M4 (A2:6) (27,5º)	Inlet	47	55	63	69	71	72	73	68	78
BOX HBA 56 M4 (A2:6) (30º)	Inlet	48	55	62	68	70	72	72	67	77
BOX HBA 56 M4 (A2:6) (32,5º)	Inlet	49	56	62	68	70	72	72	67	77
BOX HBA 56 M4 (A2:6) (35º)	Inlet	49	56	62	67	69	72	72	67	77
BOX HBA 56 M4 (A2:6) (37,5º)	Inlet	50	57	62	68	70	72	73	67	78

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 56 M4 (A2:6) (40º)	Inlet	51	58	63	68	70	73	73	66	78
BOX HBA 56 M4 (A2:6) (42,5º)	Inlet	52	57	65	68	71	73	73	67	79
BOX HBA 56 M4 (A2:6) (45º)	Inlet	53	57	65	69	72	74	73	67	79
BOX HBA 56 M4 (A2:9) (20º)	Inlet	50	55	64	70	73	73	74	66	79
BOX HBA 56 M4 (A2:9) (25º)	Inlet	50	55	64	70	73	73	74	67	79
BOX HBA 56 M4 (A2:9) (27,5º)	Inlet	50	55	64	70	73	74	74	68	80
BOX HBA 56 M4 (A2:9) (30º)	Inlet	51	56	65	70	73	74	75	70	80
BOX HBA 56 M4 (A2:9) (32,5º)	Inlet	50	56	65	70	73	74	75	70	80
BOX HBA 56 M4 (A2:9) (35º)	Inlet	49	56	65	70	73	74	76	70	80
BOX HBA 56 M4 (A2:9) (37,5º)	Inlet	50	56	66	70	73	74	75	69	80
BOX HBA 56 M4 (A2:9) (40º)	Inlet	50	56	66	69	73	74	75	69	80
BOX HBA 56 M4 (A2:9) (42,5º)	Inlet	50	57	67	70	73	74	75	69	80
BOX HBA 56 M4 (A2:9) (45º)	Inlet	50	57	68	70	73	74	75	69	80
BOX HBA 56 M4 (A5:6) (20º)	Inlet	63	70	75	76	77	75	73	65	83
BOX HBA 56 M4 (A5:6) (25º)	Inlet	50	59	64	70	72	72	73	64	79
BOX HBA 56 M4 (A5:6) (30º)	Inlet	59	69	76	78	78	76	74	66	84
BOX HBA 56 M4 (A5:6) (35º)	Inlet	47	59	64	70	71	72	73	65	78
BOX HBA 56 M4 (A5:6) (40º)	Inlet	53	66	76	82	81	75	73	64	86
BOX HBA 56 M4 (A5:6) (45º)	Inlet	57	70	85	91	88	77	73	64	93
BOX HBA 56 T4 (A2:6) (20º)	Inlet	43	51	61	70	72	72	73	69	78
BOX HBA 56 T4 (A2:6) (25º)	Inlet	47	54	63	70	72	73	74	69	79
BOX HBA 56 T4 (A2:6) (27,5º)	Inlet	47	55	63	69	71	72	73	68	78
BOX HBA 56 T4 (A2:6) (30º)	Inlet	48	55	62	68	70	72	72	67	77
BOX HBA 56 T4 (A2:6) (32,5º)	Inlet	49	56	62	68	70	72	72	67	77
BOX HBA 56 T4 (A2:6) (35º)	Inlet	49	56	62	67	69	72	72	67	77
BOX HBA 56 T4 (A2:6) (37,5º)	Inlet	50	57	62	68	70	72	73	67	78
BOX HBA 56 T4 (A2:6) (40º)	Inlet	51	58	63	68	70	73	73	66	78
BOX HBA 56 T4 (A2:6) (42,5º)	Inlet	52	57	65	68	71	73	73	67	79
BOX HBA 56 T4 (A2:6) (45º)	Inlet	53	57	65	69	72	74	73	67	79
BOX HBA 56 T4 (A2:9) (20º)	Inlet	50	55	64	70	73	73	74	66	79
BOX HBA 56 T4 (A2:9) (25º)	Inlet	50	55	64	70	73	73	74	67	79
BOX HBA 56 T4 (A2:9) (27,5º)	Inlet	50	55	64	70	73	74	74	68	80
BOX HBA 56 T4 (A2:9) (30º)	Inlet	51	56	65	70	73	74	75	70	80
BOX HBA 56 T4 (A2:9) (32,5º)	Inlet	50	56	65	70	73	74	75	70	80
BOX HBA 56 T4 (A2:9) (35º)	Inlet	49	56	65	70	73	74	76	70	80
BOX HBA 56 T4 (A2:9) (37,5º)	Inlet	50	56	66	70	73	74	75	69	80
BOX HBA 56 T4 (A2:9) (40º)	Inlet	50	56	66	69	73	74	75	69	80
BOX HBA 56 T4 (A2:9) (42,5º)	Inlet	50	57	67	70	73	74	75	69	80
BOX HBA 56 T4 (A2:9) (45º)	Inlet	50	57	68	70	73	74	75	69	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 HBA 56 T4 (A5:6) (20º)	Inlet	63	70	75	76	77	75	73	65	83
BOX HBA 56 T4 (A5:6) (25º)	Inlet	50	59	64	70	72	72	73	64	79
BOX HBA 56 T4 (A5:6) (30º)	Inlet	59	69	76	78	78	76	74	66	84
BOX HBA 56 T4 (A5:6) (35º)	Inlet	47	59	64	70	71	72	73	65	78
BOX HBA 56 T4 (A5:6) (40º)	Inlet	53	66	76	82	81	75	73	64	86
BOX HBA 56 T4 (A5:6) (45º)	Inlet	57	70	85	91	88	77	73	64	93
BOX HBA 63 M4 (A2:6) (20º)	Inlet	45	48	61	70	70	70	72	67	77
BOX HBA 63 M4 (A2:6) (25º)	Inlet	49	54	64	72	73	74	75	70	80
BOX HBA 63 M4 (A2:6) (27,5º)	Inlet	49	55	64	72	73	74	75	70	80
BOX HBA 63 M4 (A2:6) (30º)	Inlet	50	57	64	70	72	75	75	70	80
BOX HBA 63 M4 (A2:9) (20º)	Inlet	54	57	68	73	75	75	76	71	82
BOX HBA 63 M4 (A2:9) (25º)	Inlet	54	58	67	73	75	75	77	71	82
BOX HBA 63 M4 (A2:9) (27,5º)	Inlet	54	58	67	73	75	76	77	71	82
BOX HBA 63 M4 (A5:6) (20º)	Inlet	66	73	78	79	80	77	76	69	86
BOX HBA 63 M4 (A5:6) (25º)	Inlet	51	60	65	70	74	73	73	67	80
BOX HBA 63 T4 (A2:6) (20º)	Inlet	45	48	61	70	70	70	72	67	77
BOX HBA 63 T4 (A2:6) (25º)	Inlet	49	54	64	72	73	74	75	70	80
BOX HBA 63 T4 (A2:6) (27,5º)	Inlet	49	55	64	72	73	74	75	70	80
BOX HBA 63 T4 (A2:6) (30º)	Inlet	50	57	64	70	72	75	75	70	80
BOX HBA 63 T4 (A2:6) (32,5º)	Inlet	50	58	63	70	72	74	74	69	79
BOX HBA 63 T4 (A2:6) (35º)	Inlet	50	57	62	69	71	74	74	68	79
BOX HBA 63 T4 (A2:6) (37,5º)	Inlet	51	58	64	70	72	74	74	69	79
BOX HBA 63 T4 (A2:6) (40º)	Inlet	52	58	65	70	72	75	74	69	80
BOX HBA 63 T4 (A2:6) (42,5º)	Inlet	54	59	67	71	74	75	75	69	81
BOX HBA 63 T4 (A2:6) (45º)	Inlet	55	59	68	71	75	75	75	69	81
BOX HBA 63 T4 (A2:9) (20º)	Inlet	54	57	68	73	75	75	76	71	82
BOX HBA 63 T4 (A2:9) (25º)	Inlet	54	58	67	73	75	75	77	71	82
BOX HBA 63 T4 (A2:9) (27,5º)	Inlet	54	58	67	73	75	76	77	71	82
BOX HBA 63 T4 (A2:9) (30º)	Inlet	55	59	67	73	75	77	78	72	83
BOX HBA 63 T4 (A2:9) (32,5º)	Inlet	54	60	67	73	75	77	78	72	83
BOX HBA 63 T4 (A2:9) (35º)	Inlet	54	60	67	74	76	77	78	72	83
BOX HBA 63 T4 (A2:9) (37,5º)	Inlet	54	60	67	73	76	77	78	72	83
BOX HBA 63 T4 (A2:9) (40º)	Inlet	54	60	66	73	76	77	77	73	83
BOX HBA 63 T4 (A2:9) (42,5º)	Inlet	54	61	66	72	75	77	78	72	83
BOX HBA 63 T4 (A2:9) (45º)	Inlet	54	61	66	72	75	77	78	72	83
BOX HBA 63 T4 (A5:6) (20º)	Inlet	66	73	78	79	80	77	76	69	86
BOX HBA 63 T4 (A5:6) (25º)	Inlet	51	60	65	70	74	73	73	67	80
BOX HBA 63 T4 (A5:6) (30º)	Inlet	54	62	72	79	77	76	76	69	84
BOX HBA 63 T4 (A5:6) (35º)	Inlet	50	62	67	71	75	74	76	69	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 HBA 63 T4 (A5:6) (40º)	Inlet	51	63	74	86	83	78	76	68	89
BOX HBA 63 T4 (A5:6) (45º)	Inlet	52	63	79	97	89	81	76	68	97
BOX HBA 71 M4 (A2:6) (20º)	Inlet	52	57	69	76	80	79	81	74	86
BOX HBA 71 M4 (A2:6) (25º)	Inlet	53	59	68	75	78	79	80	74	85
BOX HBA 71 M4 (A2:9) (20º)	Inlet	57	63	73	79	82	82	83	76	88
BOX HBA 71 M4 (A5:6) (20º)	Inlet	68	75	80	82	82	80	79	72	89
BOX HBA 71 T4 (A2:6) (20º)	Inlet	52	57	69	76	80	79	81	74	86
BOX HBA 71 T4 (A2:6) (25º)	Inlet	53	59	68	75	78	79	80	74	85
BOX HBA 71 T4 (A2:6) (27,5º)	Inlet	54	60	68	75	77	79	79	74	84
BOX HBA 71 T4 (A2:6) (30º)	Inlet	55	61	67	74	76	78	78	74	84
BOX HBA 71 T4 (A2:6) (32,5º)	Inlet	54	61	67	73	75	77	78	72	83
BOX HBA 71 T4 (A2:6) (35º)	Inlet	54	61	66	72	74	77	77	71	82
BOX HBA 71 T4 (A2:6) (37,5º)	Inlet	55	62	67	73	75	77	77	71	82
BOX HBA 71 T4 (A2:6) (40º)	Inlet	56	63	69	73	76	78	77	71	83
BOX HBA 71 T4 (A2:6) (42,5º)	Inlet	58	63	70	74	77	78	77	71	83
BOX HBA 71 T4 (A2:6) (45º)	Inlet	58	63	71	74	77	78	77	71	83
BOX HBA 71 T4 (A2:9) (20º)	Inlet	57	63	73	79	82	82	83	76	88
BOX HBA 71 T4 (A2:9) (25º)	Inlet	57	63	71	78	80	81	82	76	87
BOX HBA 71 T4 (A2:9) (27,5º)	Inlet	57	63	71	77	80	80	82	75	87
BOX HBA 71 T4 (A2:9) (30º)	Inlet	57	64	69	76	79	80	81	75	86
BOX HBA 71 T4 (A2:9) (32,5º)	Inlet	57	64	69	76	79	80	80	75	86
BOX HBA 71 T4 (A2:9) (35º)	Inlet	56	63	69	76	79	81	80	74	86
BOX HBA 71 T4 (A2:9) (37,5º)	Inlet	57	64	70	76	79	81	80	74	86
BOX HBA 71 T4 (A2:9) (40º)	Inlet	58	65	71	75	79	81	80	75	86
BOX HBA 71 T4 (A2:9) (42,5º)	Inlet	57	65	70	75	78	80	80	73	85
BOX HBA 71 T4 (A2:9) (45º)	Inlet	57	64	70	75	78	80	79	73	85
BOX HBA 71 T4 (A5:6) (20º)	Inlet	68	75	80	82	82	80	79	72	89
BOX HBA 71 T4 (A5:6) (25º)	Inlet	55	65	71	75	78	79	79	70	85
BOX HBA 71 T4 (A5:6) (30º)	Inlet	57	65	72	78	79	78	78	69	84
BOX HBA 71 T4 (A5:6) (35º)	Inlet	50	62	67	72	75	76	77	68	81
BOX HBA 71 T4 (A5:6) (40º)	Inlet	54	65	80	89	85	80	78	69	92
BOX HBA 71 T4 (A5:6) (45º)	Inlet	58	67	89	102	93	84	80	69	102
BOX HBA 80 T4 (A2:6) (20º)	Inlet	51	58	69	76	80	80	81	76	86
BOX HBA 80 T4 (A2:6) (25º)	Inlet	54	61	69	76	79	80	81	76	86
BOX HBA 80 T4 (A2:6) (27,5º)	Inlet	55	62	69	76	79	81	81	75	86
BOX HBA 80 T4 (A2:6) (30º)	Inlet	56	64	69	75	79	81	81	75	86
BOX HBA 80 T4 (A2:6) (32,5º)	Inlet	57	65	70	75	79	81	81	74	86
BOX HBA 80 T4 (A2:6) (35º)	Inlet	58	65	71	75	78	81	81	74	86
BOX HBA 80 T4 (A2:6) (37,5º)	Inlet	59	66	71	75	78	80	80	73	85

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 80 T4 (A2:6) (40º)	Inlet	58	66	72	75	78	79	79	72	85
BOX HBA 80 T4 (A2:6) (42,5º)	Inlet	59	66	72	75	79	80	79	72	85
BOX HBA 80 T4 (A2:6) (45º)	Inlet	59	66	73	76	79	80	79	72	85
BOX HBA 80 T4 (A2:9) (20º)	Inlet	56	69	75	86	88	87	89	80	94
BOX HBA 80 T4 (A2:9) (25º)	Inlet	58	68	74	83	86	86	87	80	92
BOX HBA 80 T4 (A2:9) (27,5º)	Inlet	59	68	73	82	85	85	86	79	91
BOX HBA 80 T4 (A2:9) (30º)	Inlet	60	67	73	81	84	85	85	79	90
BOX HBA 80 T4 (A2:9) (32,5º)	Inlet	60	67	72	79	83	84	84	78	90
BOX HBA 80 T4 (A2:9) (35º)	Inlet	59	66	72	78	82	84	83	77	89
BOX HBA 80 T4 (A2:9) (37,5º)	Inlet	60	67	73	78	82	84	83	76	88
BOX HBA 80 T4 (A2:9) (40º)	Inlet	61	68	73	77	81	83	82	76	88
BOX HBA 80 T4 (A2:9) (42,5º)	Inlet	61	68	74	77	81	82	81	75	87
BOX HBA 80 T4 (A2:9) (45º)	Inlet	61	68	74	77	81	82	81	75	87
BOX HBA 80 T4 (A5:6) (20º)	Inlet	71	78	83	85	85	83	82	75	91
BOX HBA 80 T4 (A5:6) (25º)	Inlet	58	65	71	76	78	78	79	71	85
BOX HBA 80 T4 (A5:6) (30º)	Inlet	58	69	76	86	84	82	82	74	90
BOX HBA 80 T4 (A5:6) (35º)	Inlet	55	67	73	81	86	84	84	75	91
BOX HBA 80 T4 (A5:6) (40º)	Inlet	56	69	85	90	87	83	81	73	94
BOX HBA 90 T4 (A6:3) (20º)	Inlet	57	60	69	71	76	78	81	74	84
BOX HBA 90 T4 (A6:3) (22º)	Inlet	58	62	71	74	78	79	82	76	86
BOX HBA 90 T4 (A6:3) (24º)	Inlet	59	63	72	76	79	80	83	77	87
BOX HBA 90 T4 (A6:3) (26º)	Inlet	60	65	73	77	80	81	83	78	88
BOX HBA 90 T4 (A6:3) (28º)	Inlet	61	66	74	79	81	83	84	78	89
BOX HBA 90 T4 (A6:3) (30º)	Inlet	62	68	75	81	82	84	85	79	90
BOX HBA 90 T4 (A6:3) (32º)	Inlet	62	68	75	82	83	84	85	80	90
BOX HBA 90 T4 (A6:3) (34º)	Inlet	62	69	76	83	84	85	86	80	91
BOX HBA 90 T4 (A6:3) (36º)	Inlet	62	69	77	84	84	86	86	80	92
BOX HBA 90 T4 (A6:3) (38º)	Inlet	63	70	78	85	86	87	87	82	93
BOX HBA 90 T4 (A6:3) (40º)	Inlet	63	71	78	86	87	88	88	82	94
BOX HBA 90 T4 (A6:3) (42º)	Inlet	63	72	79	87	88	89	89	83	95
BOX HBA 90 T4 (A6:6) (20º)	Inlet	62	72	78	85	89	87	88	83	94
BOX HBA 90 T4 (A6:6) (22º)	Inlet	62	72	79	86	89	88	88	83	94
BOX HBA 90 T4 (A6:6) (24º)	Inlet	63	73	79	86	89	88	89	84	95
BOX HBA 90 T4 (A6:6) (26º)	Inlet	64	74	80	87	89	89	89	84	95
BOX HBA 90 T4 (A6:6) (28º)	Inlet	65	74	80	87	89	89	90	85	95
BOX HBA 90 T4 (A6:6) (30º)	Inlet	66	75	80	87	89	89	90	85	96
BOX HBA 90 T4 (A6:6) (32º)	Inlet	64	73	79	85	87	88	89	84	94
BOX HBA 90 T4 (A6:6) (34º)	Inlet	63	72	77	84	85	86	88	82	92
BOX HBA 90 T4 (A6:6) (36º)	Inlet	63	72	77	83	84	86	87	82	92

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 90 T4 (A6:6) (38º)	Inlet	64	72	78	84	85	86	88	82	93
BOX HBA 90 T4 (A6:6) (40º)	Inlet	64	73	79	84	86	87	88	82	93
BOX HBA 90 T4 (A6:6) (42º)	Inlet	65	74	80	85	86	87	88	82	93
BOX HBA 100 T4 (A6:3) (20º)	Inlet	61	68	73	78	84	85	89	81	92
BOX HBA 100 T4 (A6:3) (22º)	Inlet	62	69	75	79	84	86	89	82	92
BOX HBA 100 T4 (A6:3) (24º)	Inlet	62	69	75	80	84	86	88	81	92
BOX HBA 100 T4 (A6:3) (26º)	Inlet	62	69	75	80	84	85	87	81	91
BOX HBA 100 T4 (A6:3) (28º)	Inlet	62	69	75	80	83	85	87	80	91
BOX HBA 100 T4 (A6:3) (30º)	Inlet	63	69	75	81	83	84	86	80	91
BOX HBA 100 T4 (A6:3) (32º)	Inlet	64	70	77	82	84	86	87	81	92
BOX HBA 100 T4 (A6:3) (34º)	Inlet	66	71	79	84	86	87	87	82	93
BOX HBA 100 T4 (A6:3) (36º)	Inlet	66	72	79	85	86	88	88	83	93
BOX HBA 100 T4 (A6:3) (38º)	Inlet	66	73	79	86	87	88	88	83	94
BOX HBA 100 T4 (A6:3) (40º)	Inlet	66	73	80	86	88	89	89	84	95
BOX HBA 100 T4 (A6:3) (42º)	Inlet	66	74	80	87	89	90	90	85	95
BOX HBA 100 T4 (A6:6) (20º)	Inlet	65	77	82	92	93	92	92	88	99
BOX HBA 100 T4 (A6:6) (22º)	Inlet	66	77	82	91	92	92	92	88	98
BOX HBA 100 T4 (A6:6) (24º)	Inlet	67	77	82	91	92	92	92	88	98
BOX HBA 100 T4 (A6:6) (26º)	Inlet	68	77	83	91	92	92	93	88	99
BOX HBA 100 T4 (A6:6) (28º)	Inlet	69	78	84	91	92	93	93	89	99
BOX HBA 100 T4 (A6:6) (30º)	Inlet	70	78	85	91	92	93	94	89	99
BOX HBA 100 T4 (A6:6) (32º)	Inlet	69	77	84	89	90	91	92	87	98
BOX HBA 100 T4 (A6:6) (34º)	Inlet	68	76	83	87	89	90	91	86	96
BOX HBA 100 T4 (A6:6) (36º)	Inlet	68	76	83	86	89	89	91	85	96
BOX HBA 100 T4 (A6:6) (38º)	Inlet	69	77	83	87	89	90	91	86	96
BOX HBA 100 T4 (A6:6) (40º)	Inlet	69	77	84	88	90	91	92	86	97
BOX HBA 100 T4 (A6:6) (42º)	Inlet	69	77	84	88	90	91	92	86	97
BOX HBA 112 T4 (A6:3) (20º)	Inlet	64	71	77	83	88	90	91	86	96
BOX HBA 112 T4 (A6:3) (22º)	Inlet	65	72	78	84	89	90	92	87	96
BOX HBA 112 T4 (A6:3) (24º)	Inlet	67	74	79	85	89	90	92	87	97
BOX HBA 112 T4 (A6:3) (26º)	Inlet	67	74	80	86	89	90	92	87	97
BOX HBA 112 T4 (A6:3) (28º)	Inlet	68	74	81	86	89	90	92	87	97
BOX HBA 112 T4 (A6:3) (30º)	Inlet	68	73	81	86	88	89	92	86	96
BOX HBA 112 T4 (A6:3) (32º)	Inlet	69	74	81	86	89	90	91	86	96
BOX HBA 112 T4 (A6:3) (34º)	Inlet	69	74	82	87	89	90	91	87	96
BOX HBA 112 T4 (A6:3) (36º)	Inlet	70	75	82	87	89	90	91	87	96
BOX HBA 112 T4 (A6:3) (38º)	Inlet	70	75	82	88	90	91	91	87	97
BOX HBA 112 T4 (A6:3) (40º)	Inlet	69	76	82	88	90	91	91	87	97
BOX HBA 112 T4 (A6:3) (42º)	Inlet	70	76	82	88	91	92	92	87	97

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 112 T4 (A6:6) (20º)	Inlet	66	77	83	94	95	94	95	90	101
BOX HBA 112 T4 (A6:6) (22º)	Inlet	67	77	83	93	95	94	95	89	101
BOX HBA 112 T4 (A6:6) (24º)	Inlet	68	77	83	92	94	93	94	88	100
BOX HBA 112 T4 (A6:6) (26º)	Inlet	69	78	84	92	94	94	95	89	100
BOX HBA 112 T4 (A6:6) (28º)	Inlet	70	79	84	92	94	94	95	88	100
BOX HBA 112 T4 (A6:6) (30º)	Inlet	71	79	84	91	93	94	95	88	100
BOX HBA 112 T4 (A6:6) (32º)	Inlet	71	78	84	89	92	93	94	87	99
BOX HBA 112 T4 (A6:6) (34º)	Inlet	70	78	83	87	91	92	93	86	98
BOX HBA 112 T4 (A6:6) (36º)	Inlet	71	79	84	87	91	93	93	86	98
BOX HBA 112 T4 (A6:6) (38º)	Inlet	73	80	86	89	92	94	94	87	99
BOX HBA 112 T4 (A6:6) (40º)	Inlet	75	81	88	91	94	95	96	89	101
BOX HBA 112 T4 (A6:6) (42º)	Inlet	75	80	88	91	94	95	95	89	101
BOX HBA 125 T4 (A7:4) (20º)	Inlet	69	82	87	94	98	99	100	97	105
BOX HBA 125 T4 (A7:4) (22º)	Inlet	71	83	89	95	98	100	101	97	106
BOX HBA 125 T4 (A7:4) (24º)	Inlet	72	81	87	93	96	98	99	95	104
BOX HBA 125 T4 (A7:4) (26º)	Inlet	72	80	86	91	95	96	97	92	102
BOX HBA 125 T4 (A7:4) (28º)	Inlet	72	79	85	89	93	95	96	90	100
BOX HBA 125 T4 (A7:4) (30º)	Inlet	70	78	83	87	91	93	93	87	98
BOX HBA 125 T4 (A7:4) (32º)	Inlet	70	77	83	87	90	92	93	86	98
BOX HBA 125 T4 (A7:4) (34º)	Inlet	70	77	83	87	90	92	93	85	97
BOX HBA 125 T4 (A7:4) (36º)	Inlet	70	78	83	87	90	92	93	85	98
BOX HBA 125 T4 (A7:4) (38º)	Inlet	71	79	84	88	91	93	93	86	98
BOX HBA 125 T4 (A7:4) (40º)	Inlet	72	79	85	88	91	94	93	86	99
BOX HBA 125 T4 (A7:4) (42º)	Inlet	72	80	85	89	92	94	94	87	99
BOX HBA 125 T4 (A7:8) (20º)	Inlet	74	82	89	97	103	107	105	100	111
BOX HBA 125 T4 (A7:8) (22º)	Inlet	74	81	89	96	102	106	104	99	110
BOX HBA 125 T4 (A7:8) (24º)	Inlet	74	81	88	95	101	104	103	97	108
BOX HBA 125 T4 (A7:8) (26º)	Inlet	74	80	88	94	99	103	102	96	107
BOX HBA 125 T4 (A7:8) (28º)	Inlet	74	80	87	93	98	102	101	95	106
BOX HBA 125 T4 (A7:8) (30º)	Inlet	73	79	86	92	96	100	99	93	104
BOX HBA 125 T4 (A7:8) (32º)	Inlet	73	80	86	91	96	98	98	91	103
BOX HBA 125 T4 (A7:8) (34º)	Inlet	74	80	87	91	95	97	97	89	102
BOX HBA 125 T4 (A7:8) (36º)	Inlet	74	80	87	91	94	96	96	88	101
BOX HBA 125 T4 (A7:8) (38º)	Inlet	74	81	87	91	94	96	95	88	101
BOX HBA 125 T4 (A7:8) (40º)	Inlet	73	80	86	90	94	96	94	88	100
BOX HBA 125 T4 (A7:8) (42º)	Inlet	73	80	86	91	94	96	94	87	100

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 HBA 45 T6 (A0:6) (35º)	Inlet	32	39	45	49	53	53	55	48	60
BOX HBA 45 T6 (A0:6) (40º)	Inlet	34	42	47	51	54	55	55	49	61
BOX HBA 45 T6 (A5:6) (25º)	Inlet	33	38	45	52	50	52	54	46	59
BOX HBA 45 T6 (A5:6) (30º)	Inlet	36	41	48	52	54	55	56	47	61
BOX HBA 45 T6 (A5:6) (35º)	Inlet	37	41	49	50	55	55	57	46	62
BOX HBA 45 T6 (A5:6) (40º)	Inlet	40	44	52	54	57	57	59	50	64
BOX HBA 45 T6 (A5:6) (45º)	Inlet	39	43	51	55	58	59	60	52	65
BOX HBA 50 T6 (A0:6) (35º)	Inlet	33	41	48	50	53	53	54	47	60
BOX HBA 50 T6 (A0:6) (40º)	Inlet	36	44	49	53	56	55	57	50	62
BOX HBA 50 T6 (A5:6) (25º)	Inlet	32	39	44	49	51	54	56	48	60
BOX HBA 50 T6 (A5:6) (30º)	Inlet	35	40	47	51	54	55	58	49	62
BOX HBA 50 T6 (A5:6) (35º)	Inlet	36	41	48	55	57	58	60	51	64
BOX HBA 50 T6 (A5:6) (40º)	Inlet	37	44	49	55	57	58	60	51	64
BOX HBA 50 T6 (A5:6) (45º)	Inlet	40	47	52	60	61	61	63	55	68
BOX HBA 56 T6 (A2:6) (20º)	Inlet	33	42	52	61	62	63	64	59	69
BOX HBA 56 T6 (A2:6) (25º)	Inlet	37	45	53	60	63	63	64	59	70
BOX HBA 56 T6 (A2:6) (27,5º)	Inlet	38	45	53	60	62	63	64	59	69
BOX HBA 56 T6 (A2:6) (30º)	Inlet	39	46	53	58	60	62	63	57	68
BOX HBA 56 T6 (A2:6) (32,5º)	Inlet	40	47	52	58	60	62	63	57	68
BOX HBA 56 T6 (A2:6) (35º)	Inlet	40	47	52	58	60	63	63	57	68
BOX HBA 56 T6 (A2:6) (37,5º)	Inlet	40	48	53	58	61	63	63	57	68
BOX HBA 56 T6 (A2:6) (40º)	Inlet	41	48	54	59	61	63	64	57	69
BOX HBA 56 T6 (A2:6) (42,5º)	Inlet	43	48	55	59	62	64	64	58	69
BOX HBA 56 T6 (A2:6) (45º)	Inlet	43	47	56	59	62	64	64	58	69
BOX HBA 56 T6 (A2:9) (20º)	Inlet	41	46	55	61	64	64	64	56	70
BOX HBA 56 T6 (A2:9) (25º)	Inlet	41	46	55	60	64	64	65	58	70
BOX HBA 56 T6 (A2:9) (27,5º)	Inlet	41	46	55	60	64	64	65	59	70
BOX HBA 56 T6 (A2:9) (30º)	Inlet	41	46	55	61	64	65	66	60	71
BOX HBA 56 T6 (A2:9) (32,5º)	Inlet	41	46	55	61	64	65	66	60	71
BOX HBA 56 T6 (A2:9) (35º)	Inlet	40	46	56	61	64	65	66	60	71
BOX HBA 56 T6 (A2:9) (37,5º)	Inlet	40	47	56	60	64	65	66	60	71
BOX HBA 56 T6 (A2:9) (40º)	Inlet	40	47	56	60	64	64	65	60	70
BOX HBA 56 T6 (A2:9) (42,5º)	Inlet	41	47	58	60	64	65	65	60	71
BOX HBA 56 T6 (A2:9) (45º)	Inlet	41	47	59	61	63	65	65	60	71
BOX HBA 56 T6 (A5:6) (20º)	Inlet	60	67	72	73	74	72	70	62	79
BOX HBA 56 T6 (A5:6) (25º)	Inlet	47	56	61	67	69	69	70	61	75
BOX HBA 56 T6 (A5:6) (30º)	Inlet	55	65	72	74	75	73	71	63	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 HBA 56 T6 (A5:6) (35º)	Inlet	44	55	60	66	67	68	69	61	75
BOX HBA 56 T6 (A5:6) (40º)	Inlet	50	63	73	78	78	72	70	61	82
BOX HBA 56 T6 (A5:6) (45º)	Inlet	54	66	81	87	85	74	70	60	90
BOX HBA 63 T6 (A2:6) (20º)	Inlet	36	39	52	61	61	61	63	57	68
BOX HBA 63 T6 (A2:6) (25º)	Inlet	40	45	55	63	64	65	66	61	71
BOX HBA 63 T6 (A2:6) (27,5º)	Inlet	40	46	55	62	64	65	66	61	71
BOX HBA 63 T6 (A2:6) (30º)	Inlet	40	47	54	61	63	65	65	60	70
BOX HBA 63 T6 (A2:6) (32,5º)	Inlet	41	48	54	60	62	65	65	60	70
BOX HBA 63 T6 (A2:6) (35º)	Inlet	40	47	53	60	62	64	65	59	70
BOX HBA 63 T6 (A2:6) (37,5º)	Inlet	42	49	54	60	62	65	65	59	70
BOX HBA 63 T6 (A2:6) (40º)	Inlet	43	49	55	61	63	65	65	59	70
BOX HBA 63 T6 (A2:6) (42,5º)	Inlet	45	50	57	61	65	66	65	60	71
BOX HBA 63 T6 (A2:6) (45º)	Inlet	46	50	58	62	65	66	66	60	72
BOX HBA 63 T6 (A2:9) (20º)	Inlet	44	47	59	64	66	65	67	61	72
BOX HBA 63 T6 (A2:9) (25º)	Inlet	44	48	58	63	65	66	67	62	72
BOX HBA 63 T6 (A2:9) (27,5º)	Inlet	45	49	58	64	66	66	67	62	73
BOX HBA 63 T6 (A2:9) (30º)	Inlet	45	50	58	64	66	67	68	63	73
BOX HBA 63 T6 (A2:9) (32,5º)	Inlet	45	50	58	64	66	68	68	63	73
BOX HBA 63 T6 (A2:9) (35º)	Inlet	44	51	58	64	66	68	69	63	74
BOX HBA 63 T6 (A2:9) (37,5º)	Inlet	45	51	57	64	66	68	68	63	73
BOX HBA 63 T6 (A2:9) (40º)	Inlet	44	51	57	63	66	68	68	63	73
BOX HBA 63 T6 (A2:9) (42,5º)	Inlet	44	51	57	63	66	68	68	63	73
BOX HBA 63 T6 (A2:9) (45º)	Inlet	44	51	57	63	66	68	68	62	73
BOX HBA 63 T6 (A5:6) (20º)	Inlet	63	70	75	76	77	74	73	66	82
BOX HBA 63 T6 (A5:6) (25º)	Inlet	48	57	62	67	71	70	70	64	76
BOX HBA 63 T6 (A5:6) (30º)	Inlet	51	59	69	76	74	73	73	66	80
BOX HBA 63 T6 (A5:6) (35º)	Inlet	47	59	64	68	72	71	73	66	78
BOX HBA 63 T6 (A5:6) (40º)	Inlet	48	60	71	83	80	75	73	65	85
BOX HBA 63 T6 (A5:6) (45º)	Inlet	49	60	76	93	85	78	73	64	94
BOX HBA 71 T6 (A2:6) (20º)	Inlet	42	48	60	67	70	69	72	65	76
BOX HBA 71 T6 (A2:6) (25º)	Inlet	44	50	59	66	69	69	70	65	75
BOX HBA 71 T6 (A2:6) (27,5º)	Inlet	44	51	59	66	68	69	70	65	75
BOX HBA 71 T6 (A2:6) (30º)	Inlet	45	52	58	65	67	69	69	64	74
BOX HBA 71 T6 (A2:6) (32,5º)	Inlet	45	52	57	64	66	68	68	63	73
BOX HBA 71 T6 (A2:6) (35º)	Inlet	44	51	57	62	65	67	67	61	72
BOX HBA 71 T6 (A2:6) (37,5º)	Inlet	45	52	58	63	66	68	68	61	73
BOX HBA 71 T6 (A2:6) (40º)	Inlet	46	53	59	64	67	68	68	62	74
BOX HBA 71 T6 (A2:6) (42,5º)	Inlet	48	53	61	64	67	68	68	62	74
BOX HBA 71 T6 (A2:6) (45º)	Inlet	49	53	61	64	68	68	68	61	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 HBA 71 T6 (A2:9) (20º)	Inlet	47	54	63	70	73	72	74	67	79
BOX HBA 71 T6 (A2:9) (25º)	Inlet	47	54	62	68	71	71	73	66	78
BOX HBA 71 T6 (A2:9) (27,5º)	Inlet	47	54	61	68	70	71	72	66	77
BOX HBA 71 T6 (A2:9) (30º)	Inlet	47	54	60	67	69	70	71	66	76
BOX HBA 71 T6 (A2:9) (32,5º)	Inlet	47	54	60	67	69	71	71	65	76
BOX HBA 71 T6 (A2:9) (35º)	Inlet	47	54	59	66	70	71	71	65	76
BOX HBA 71 T6 (A2:9) (37,5º)	Inlet	48	55	60	66	70	71	71	65	76
BOX HBA 71 T6 (A2:9) (40º)	Inlet	49	56	61	66	70	71	71	65	76
BOX HBA 71 T6 (A2:9) (42,5º)	Inlet	48	55	61	66	69	70	70	64	76
BOX HBA 71 T6 (A2:9) (45º)	Inlet	47	55	61	66	69	70	70	64	75
BOX HBA 71 T6 (A5:6) (20º)	Inlet	65	72	77	79	79	77	76	69	85
BOX HBA 71 T6 (A5:6) (25º)	Inlet	52	62	68	72	75	76	76	67	81
BOX HBA 71 T6 (A5:6) (30º)	Inlet	54	62	68	74	75	75	74	65	81
BOX HBA 71 T6 (A5:6) (35º)	Inlet	46	58	63	68	71	72	73	64	78
BOX HBA 71 T6 (A5:6) (40º)	Inlet	51	61	76	86	82	77	75	65	88
BOX HBA 71 T6 (A5:6) (45º)	Inlet	54	63	85	98	89	80	76	66	99
BOX HBA 80 T6 (A2:6) (20º)	Inlet	41	48	59	67	71	70	72	67	77
BOX HBA 80 T6 (A2:6) (25º)	Inlet	45	52	60	67	70	71	72	66	77
BOX HBA 80 T6 (A2:6) (27,5º)	Inlet	46	53	60	66	70	71	72	66	77
BOX HBA 80 T6 (A2:6) (30º)	Inlet	47	54	60	66	69	71	72	65	77
BOX HBA 80 T6 (A2:6) (32,5º)	Inlet	48	55	61	66	69	71	71	65	76
BOX HBA 80 T6 (A2:6) (35º)	Inlet	49	56	62	66	69	71	71	64	76
BOX HBA 80 T6 (A2:6) (37,5º)	Inlet	49	56	62	66	69	71	70	63	76
BOX HBA 80 T6 (A2:6) (40º)	Inlet	49	57	62	65	69	70	69	63	75
BOX HBA 80 T6 (A2:6) (42,5º)	Inlet	49	57	63	66	69	70	70	63	76
BOX HBA 80 T6 (A2:6) (45º)	Inlet	49	57	63	66	69	70	70	63	76
BOX HBA 80 T6 (A2:9) (20º)	Inlet	47	59	65	77	79	77	79	71	84
BOX HBA 80 T6 (A2:9) (25º)	Inlet	49	59	64	74	76	76	77	70	82
BOX HBA 80 T6 (A2:9) (27,5º)	Inlet	50	58	64	73	76	76	77	70	82
BOX HBA 80 T6 (A2:9) (30º)	Inlet	51	58	63	71	74	75	76	70	81
BOX HBA 80 T6 (A2:9) (32,5º)	Inlet	50	57	63	70	74	75	75	68	80
BOX HBA 80 T6 (A2:9) (35º)	Inlet	50	57	62	69	73	75	74	67	79
BOX HBA 80 T6 (A2:9) (37,5º)	Inlet	51	58	63	68	72	74	73	67	79
BOX HBA 80 T6 (A2:9) (40º)	Inlet	51	59	64	68	72	74	73	67	79
BOX HBA 80 T6 (A2:9) (42,5º)	Inlet	51	59	65	68	71	73	72	66	78
BOX HBA 80 T6 (A2:9) (45º)	Inlet	51	59	65	68	71	73	71	65	78
BOX HBA 80 T6 (A5:6) (20º)	Inlet	68	75	80	82	82	80	79	72	88
BOX HBA 80 T6 (A5:6) (25º)	Inlet	55	62	68	73	75	75	76	68	81
BOX HBA 80 T6 (A5:6) (30º)	Inlet	55	66	73	83	81	79	79	71	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 HBA 80 T6 (A5:6) (35º)	Inlet	52	64	70	78	83	81	81	72	87
BOX HBA 80 T6 (A5:6) (40º)	Inlet	53	66	82	87	84	80	78	70	90
BOX HBA 80 T6 (A5:6) (45º)	Inlet	53	67	90	93	84	79	76	68	95
BOX HBA 90 T6 (A6:3) (20º)	Inlet	47	51	60	62	67	68	71	65	75
BOX HBA 90 T6 (A6:3) (22º)	Inlet	49	52	61	64	68	70	72	66	76
BOX HBA 90 T6 (A6:3) (24º)	Inlet	50	54	62	66	69	71	73	67	77
BOX HBA 90 T6 (A6:3) (26º)	Inlet	51	55	63	68	71	72	74	68	78
BOX HBA 90 T6 (A6:3) (28º)	Inlet	52	57	64	70	72	73	75	69	79
BOX HBA 90 T6 (A6:3) (30º)	Inlet	52	58	65	72	73	74	76	70	80
BOX HBA 90 T6 (A6:3) (32º)	Inlet	53	59	66	73	74	75	76	70	81
BOX HBA 90 T6 (A6:3) (34º)	Inlet	53	59	66	74	74	76	76	70	82
BOX HBA 90 T6 (A6:3) (36º)	Inlet	53	60	67	75	75	76	77	71	82
BOX HBA 90 T6 (A6:3) (38º)	Inlet	53	61	68	76	76	78	78	72	83
BOX HBA 90 T6 (A6:3) (40º)	Inlet	53	62	69	77	77	79	79	73	84
BOX HBA 90 T6 (A6:3) (42º)	Inlet	54	62	70	77	78	80	79	74	85
BOX HBA 90 T6 (A6:6) (20º)	Inlet	52	62	69	76	80	78	78	73	85
BOX HBA 90 T6 (A6:6) (22º)	Inlet	53	63	69	76	80	78	79	74	85
BOX HBA 90 T6 (A6:6) (24º)	Inlet	54	64	70	77	80	79	79	75	85
BOX HBA 90 T6 (A6:6) (26º)	Inlet	55	64	70	77	80	79	80	75	86
BOX HBA 90 T6 (A6:6) (28º)	Inlet	56	65	71	77	79	79	80	76	86
BOX HBA 90 T6 (A6:6) (30º)	Inlet	56	65	71	78	79	80	81	76	86
BOX HBA 90 T6 (A6:6) (32º)	Inlet	55	64	69	76	77	78	79	74	85
BOX HBA 90 T6 (A6:6) (34º)	Inlet	54	62	68	74	76	77	78	73	83
BOX HBA 90 T6 (A6:6) (36º)	Inlet	53	62	68	74	75	76	78	72	83
BOX HBA 90 T6 (A6:6) (38º)	Inlet	54	63	68	74	76	77	78	72	83
BOX HBA 90 T6 (A6:6) (40º)	Inlet	55	64	69	75	76	77	79	73	84
BOX HBA 90 T6 (A6:6) (42º)	Inlet	55	64	70	75	77	78	79	73	84
BOX HBA 100 T6 (A6:3) (20º)	Inlet	51	58	64	69	74	76	79	72	82
BOX HBA 100 T6 (A6:3) (22º)	Inlet	52	60	65	70	75	76	80	72	83
BOX HBA 100 T6 (A6:3) (24º)	Inlet	53	60	65	70	75	76	79	72	83
BOX HBA 100 T6 (A6:3) (26º)	Inlet	53	60	65	71	74	76	78	71	82
BOX HBA 100 T6 (A6:3) (28º)	Inlet	53	59	65	71	74	75	77	71	81
BOX HBA 100 T6 (A6:3) (30º)	Inlet	53	59	66	71	74	75	76	71	81
BOX HBA 100 T6 (A6:3) (32º)	Inlet	55	61	67	73	75	76	77	72	82
BOX HBA 100 T6 (A6:3) (34º)	Inlet	56	62	69	74	76	77	78	73	83
BOX HBA 100 T6 (A6:3) (36º)	Inlet	57	63	70	75	77	78	78	73	84
BOX HBA 100 T6 (A6:3) (38º)	Inlet	57	63	70	76	78	79	79	74	85
BOX HBA 100 T6 (A6:3) (40º)	Inlet	57	64	70	77	79	79	79	74	85
BOX HBA 100 T6 (A6:3) (42º)	Inlet	57	65	71	77	80	80	80	75	86

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 100 T6 (A6:6) (20º)	Inlet	56	67	73	83	83	83	83	79	90
BOX HBA 100 T6 (A6:6) (22º)	Inlet	56	67	73	82	83	83	83	78	89
BOX HBA 100 T6 (A6:6) (24º)	Inlet	57	67	73	81	82	82	83	78	89
BOX HBA 100 T6 (A6:6) (26º)	Inlet	59	68	74	82	83	83	83	79	89
BOX HBA 100 T6 (A6:6) (28º)	Inlet	60	69	75	82	83	83	84	79	90
BOX HBA 100 T6 (A6:6) (30º)	Inlet	61	69	75	81	82	83	84	79	90
BOX HBA 100 T6 (A6:6) (32º)	Inlet	60	68	74	79	81	82	83	78	88
BOX HBA 100 T6 (A6:6) (34º)	Inlet	59	67	73	77	80	80	82	76	87
BOX HBA 100 T6 (A6:6) (36º)	Inlet	59	67	73	77	79	80	81	76	86
BOX HBA 100 T6 (A6:6) (38º)	Inlet	59	67	74	77	80	81	82	76	87
BOX HBA 100 T6 (A6:6) (40º)	Inlet	60	68	74	78	81	82	82	77	88
BOX HBA 100 T6 (A6:6) (42º)	Inlet	60	68	74	78	81	82	82	76	88
BOX HBA 112 T6 (A6:3) (20º)	Inlet	55	62	67	74	79	80	82	77	86
BOX HBA 112 T6 (A6:3) (22º)	Inlet	56	63	69	75	79	81	82	77	87
BOX HBA 112 T6 (A6:3) (24º)	Inlet	57	64	70	76	80	81	83	78	87
BOX HBA 112 T6 (A6:3) (26º)	Inlet	58	64	71	76	80	81	83	78	87
BOX HBA 112 T6 (A6:3) (28º)	Inlet	59	64	71	76	80	81	83	78	87
BOX HBA 112 T6 (A6:3) (30º)	Inlet	59	64	71	76	79	80	82	77	87
BOX HBA 112 T6 (A6:3) (32º)	Inlet	59	64	72	77	79	80	82	77	87
BOX HBA 112 T6 (A6:3) (34º)	Inlet	60	65	72	77	79	80	82	77	87
BOX HBA 112 T6 (A6:3) (36º)	Inlet	60	65	73	78	80	81	82	77	87
BOX HBA 112 T6 (A6:3) (38º)	Inlet	60	66	73	78	80	81	82	77	87
BOX HBA 112 T6 (A6:3) (40º)	Inlet	60	66	72	78	81	82	82	77	87
BOX HBA 112 T6 (A6:3) (42º)	Inlet	60	67	73	79	81	82	82	78	88
BOX HBA 112 T6 (A6:6) (20º)	Inlet	56	68	74	84	86	84	85	80	92
BOX HBA 112 T6 (A6:6) (22º)	Inlet	57	68	74	84	85	84	85	80	91
BOX HBA 112 T6 (A6:6) (24º)	Inlet	58	68	74	83	84	84	85	79	91
BOX HBA 112 T6 (A6:6) (26º)	Inlet	60	68	74	83	84	84	85	79	91
BOX HBA 112 T6 (A6:6) (28º)	Inlet	61	69	75	82	84	85	85	79	91
BOX HBA 112 T6 (A6:6) (30º)	Inlet	62	69	75	82	84	85	85	78	90
BOX HBA 112 T6 (A6:6) (32º)	Inlet	62	69	74	80	82	84	84	77	89
BOX HBA 112 T6 (A6:6) (34º)	Inlet	61	69	74	78	81	83	84	76	88
BOX HBA 112 T6 (A6:6) (36º)	Inlet	62	69	75	78	81	83	84	77	89
BOX HBA 112 T6 (A6:6) (38º)	Inlet	64	71	77	80	83	85	85	78	90
BOX HBA 112 T6 (A6:6) (40º)	Inlet	66	72	78	81	85	86	86	79	91
BOX HBA 112 T6 (A6:6) (42º)	Inlet	66	71	78	81	84	86	86	79	91
BOX HBA 125 T6 (A7:4) (20º)	Inlet	59	73	78	85	89	89	91	88	96
BOX HBA 125 T6 (A7:4) (22º)	Inlet	62	73	79	85	89	90	92	88	96
BOX HBA 125 T6 (A7:4) (24º)	Inlet	62	72	78	83	87	88	90	85	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 HBA 125 T6 (A7:4) (26º)	Inlet	63	71	76	82	85	87	88	83	93
BOX HBA 125 T6 (A7:4) (28º)	Inlet	63	70	75	80	84	85	86	81	91
BOX HBA 125 T6 (A7:4) (30º)	Inlet	61	68	74	78	82	84	84	78	89
BOX HBA 125 T6 (A7:4) (32º)	Inlet	61	68	73	77	81	83	84	77	88
BOX HBA 125 T6 (A7:4) (34º)	Inlet	61	68	73	77	81	82	83	75	88
BOX HBA 125 T6 (A7:4) (36º)	Inlet	61	68	74	78	81	83	83	76	88
BOX HBA 125 T6 (A7:4) (38º)	Inlet	62	69	75	79	81	84	84	77	89
BOX HBA 125 T6 (A7:4) (40º)	Inlet	63	70	75	79	81	84	84	77	89
BOX HBA 125 T6 (A7:4) (42º)	Inlet	63	70	76	80	82	85	84	78	90
BOX HBA 125 T6 (A7:8) (20º)	Inlet	65	73	79	87	94	97	96	91	102
BOX HBA 125 T6 (A7:8) (22º)	Inlet	65	72	79	87	93	96	95	90	101
BOX HBA 125 T6 (A7:8) (24º)	Inlet	64	72	79	85	92	95	94	88	99
BOX HBA 125 T6 (A7:8) (26º)	Inlet	65	71	78	85	91	93	93	87	98
BOX HBA 125 T6 (A7:8) (28º)	Inlet	65	71	78	84	89	92	92	85	97
BOX HBA 125 T6 (A7:8) (30º)	Inlet	64	70	77	82	87	90	90	84	95
BOX HBA 125 T6 (A7:8) (32º)	Inlet	64	70	77	82	86	89	89	82	94
BOX HBA 125 T6 (A7:8) (34º)	Inlet	65	71	77	81	85	87	87	80	92
BOX HBA 125 T6 (A7:8) (36º)	Inlet	65	71	77	81	85	87	86	79	92
BOX HBA 125 T6 (A7:8) (38º)	Inlet	65	72	77	81	85	87	86	79	92
BOX HBA 125 T6 (A7:8) (40º)	Inlet	64	71	77	81	84	87	85	78	91
BOX HBA 125 T6 (A7:8) (42º)	Inlet	64	71	77	81	84	86	84	78	91

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 HBA 45 T4/T8 (A0:6) (8p - 35º)	Inlet	26	33	39	43	46	47	49	42	53
BOX HBA 45 T4/T8 (A0:6) (8p - 40º)	Inlet	28	35	41	45	48	48	49	42	54
BOX HBA 45 T4/T8 (A0:6) (4p - 35º)	Inlet	42	49	54	59	62	63	64	58	69
BOX HBA 45 T4/T8 (A0:6) (4p - 40º)	Inlet	44	51	57	60	63	64	65	58	70
BOX HBA 45 T4/T8 (A5:6) (710 - 25º)	Inlet	26	31	38	45	44	45	47	40	52
BOX HBA 45 T4/T8 (A5:6) (710 - 30º)	Inlet	29	34	41	45	47	48	49	40	54
BOX HBA 45 T4/T8 (A5:6) (710 - 35º)	Inlet	31	35	43	44	49	49	50	40	55

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 45 T4/T8 (A5:6) (710 - 40º)	Inlet	34	37	46	47	51	51	52	43	57
BOX HBA 45 T4/T8 (A5:6) (710 - 45º)	Inlet	33	37	45	48	52	52	53	45	58
BOX HBA 45 T4/T8 (A5:6) (4P - 25º)	Inlet	42	47	54	61	60	61	63	56	68
BOX HBA 45 T4/T8 (A5:6) (4P - 30º)	Inlet	45	50	57	61	63	64	65	56	70
BOX HBA 45 T4/T8 (A5:6) (4P - 35º)	Inlet	47	51	59	60	65	65	66	56	71
BOX HBA 45 T4/T8 (A5:6) (4P - 40º)	Inlet	50	53	62	63	67	67	68	59	73
BOX HBA 45 T4/T8 (A5:6) (4P - 45º)	Inlet	49	53	61	64	68	68	69	61	74
BOX HBA 50 T4/T8 (A0:6) (8p - 35º)	Inlet	27	34	41	44	47	46	48	41	53
BOX HBA 50 T4/T8 (A0:6) (8p - 40º)	Inlet	30	37	43	46	50	49	50	43	56
BOX HBA 50 T4/T8 (A0:6) (4p - 35º)	Inlet	43	50	57	60	63	62	64	57	69
BOX HBA 50 T4/T8 (A0:6) (4p - 40º)	Inlet	46	53	58	62	66	65	66	59	71
BOX HBA 50 T4/T8 (A5:6) (710 - 25º)	Inlet	26	32	38	42	45	47	49	41	53
BOX HBA 50 T4/T8 (A5:6) (710 - 30º)	Inlet	28	34	40	44	48	48	52	43	55
BOX HBA 50 T4/T8 (A5:6) (710 - 35º)	Inlet	30	35	42	48	50	51	53	44	58
BOX HBA 50 T4/T8 (A5:6) (710 - 40º)	Inlet	31	38	43	48	50	51	54	45	58
BOX HBA 50 T4/T8 (A5:6) (710 - 45º)	Inlet	34	41	46	53	54	54	56	49	61
BOX HBA 50 T4/T8 (A5:6) (4P - 25º)	Inlet	41	48	53	58	61	63	65	57	69
BOX HBA 50 T4/T8 (A5:6) (4P - 30º)	Inlet	44	49	56	60	63	64	67	58	71
BOX HBA 50 T4/T8 (A5:6) (4P - 35º)	Inlet	46	51	58	64	66	67	69	60	74
BOX HBA 50 T4/T8 (A5:6) (4P - 40º)	Inlet	46	53	58	64	66	67	69	60	74
BOX HBA 50 T4/T8 (A5:6) (4P - 45º)	Inlet	49	56	61	69	70	70	72	64	77
BOX HBA 56 T4/T8 (A2:6) (8p - 20º)	Inlet	27	35	45	54	56	56	57	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 HBA 56 T4/T8 (A2:6) (8p - 25º)	Inlet	31	38	47	54	56	57	58	53	63
BOX HBA 56 T4/T8 (A2:6) (8p - 27,5º)	Inlet	31	39	47	53	56	57	58	52	63
BOX HBA 56 T4/T8 (A2:6) (8p - 30º)	Inlet	32	40	46	52	54	56	57	51	62
BOX HBA 56 T4/T8 (A2:6) (8p - 32,5º)	Inlet	33	41	46	52	54	56	57	51	62
BOX HBA 56 T4/T8 (A2:6) (8p - 35º)	Inlet	33	40	46	52	54	56	57	51	62
BOX HBA 56 T4/T8 (A2:6) (8p - 37,5º)	Inlet	34	41	47	52	54	56	57	51	62
BOX HBA 56 T4/T8 (A2:6) (8p - 40º)	Inlet	35	42	48	52	55	57	57	51	62
BOX HBA 56 T4/T8 (A2:6) (8p - 42,5º)	Inlet	36	41	49	53	56	58	57	51	63
BOX HBA 56 T4/T8 (A2:6) (8p - 45º)	Inlet	37	41	50	53	56	58	57	52	63
BOX HBA 56 T4/T8 (A2:6) (4p - 20º)	Inlet	43	51	61	70	72	72	73	69	78
BOX HBA 56 T4/T8 (A2:6) (4p - 25º)	Inlet	47	54	63	70	72	73	74	69	79
BOX HBA 56 T4/T8 (A2:6) (4p - 27,5º)	Inlet	47	55	63	69	71	72	73	68	78
BOX HBA 56 T4/T8 (A2:6) (4p - 30º)	Inlet	48	55	62	68	70	72	72	67	77
BOX HBA 56 T4/T8 (A2:6) (4p - 32,5º)	Inlet	49	56	62	68	70	72	72	67	77
BOX HBA 56 T4/T8 (A2:6) (4p - 35º)	Inlet	49	56	62	67	69	72	72	67	77
BOX HBA 56 T4/T8 (A2:6) (4p - 37,5º)	Inlet	50	57	62	68	70	72	73	67	78
BOX HBA 56 T4/T8 (A2:6) (4p - 40º)	Inlet	51	58	63	68	70	73	73	66	78
BOX HBA 56 T4/T8 (A2:6) (4p - 42,5º)	Inlet	52	57	65	68	71	73	73	67	79
BOX HBA 56 T4/T8 (A2:6) (4p - 45º)	Inlet	53	57	65	69	72	74	73	67	79
BOX HBA 56 T4/T8 (A2:9) (8p - 20º)	Inlet	34	39	48	54	57	57	58	50	63
BOX HBA 56 T4/T8 (A2:9) (8p - 25º)	Inlet	34	39	48	54	57	57	58	52	63
BOX HBA 56 T4/T8 (A2:9) (8p - 27,5º)	Inlet	34	40	48	54	57	58	59	52	64

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 56 T4/T8 (A2:9) (8p - 30º)	Inlet	35	40	49	54	58	58	59	54	64
BOX HBA 56 T4/T8 (A2:9) (8p - 32,5º)	Inlet	34	40	49	54	58	58	60	54	64
BOX HBA 56 T4/T8 (A2:9) (8p - 35º)	Inlet	34	40	49	54	57	58	60	54	64
BOX HBA 56 T4/T8 (A2:9) (8p - 37,5º)	Inlet	34	40	50	54	57	58	59	54	64
BOX HBA 56 T4/T8 (A2:9) (8p - 40º)	Inlet	34	41	50	54	57	58	59	53	64
BOX HBA 56 T4/T8 (A2:9) (8p - 42,5º)	Inlet	34	41	52	54	57	58	59	53	64
BOX HBA 56 T4/T8 (A2:9) (8p - 45º)	Inlet	34	41	52	54	57	59	59	54	64
BOX HBA 56 T4/T8 (A2:9) (4p - 20º)	Inlet	50	55	64	70	73	73	74	66	79
BOX HBA 56 T4/T8 (A2:9) (4p - 25º)	Inlet	50	55	64	70	73	73	74	67	79
BOX HBA 56 T4/T8 (A2:9) (4p - 27,5º)	Inlet	50	55	64	70	73	74	74	68	80
BOX HBA 56 T4/T8 (A2:9) (4p - 30º)	Inlet	51	56	65	70	73	74	75	70	80
BOX HBA 56 T4/T8 (A2:9) (4p - 32,5º)	Inlet	50	56	65	70	73	74	75	70	80
BOX HBA 56 T4/T8 (A2:9) (4p - 35º)	Inlet	49	56	65	70	73	74	76	70	80
BOX HBA 56 T4/T8 (A2:9) (4p - 37,5º)	Inlet	50	56	66	70	73	74	75	69	80
BOX HBA 56 T4/T8 (A2:9) (4p - 40º)	Inlet	50	56	66	69	73	74	75	69	80
BOX HBA 56 T4/T8 (A2:9) (4p - 42,5º)	Inlet	50	57	67	70	73	74	75	69	80
BOX HBA 56 T4/T8 (A2:9) (4p - 45º)	Inlet	50	57	68	70	73	74	75	69	80
BOX HBA 56 T4/T8 (A5:6) (710 - 20º)	Inlet	47	54	59	60	61	59	57	49	67
BOX HBA 56 T4/T8 (A5:6) (710 - 25º)	Inlet	34	43	48	54	56	56	57	48	63
BOX HBA 56 T4/T8 (A5:6) (710 - 30º)	Inlet	43	53	60	62	62	60	58	50	68
BOX HBA 56 T4/T8 (A5:6) (710 - 35º)	Inlet	31	43	48	54	55	56	57	49	62
BOX HBA 56 T4/T8 (A5:6) (710 - 40º)	Inlet	37	50	60	66	65	59	57	48	70

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 56 T4/T8 (A5:6) (710 - 45º)	Inlet	42	54	69	75	72	61	57	48	78
BOX HBA 56 T4/T8 (A5:6) (4p - 20º)	Inlet	63	70	75	76	77	75	73	65	83
BOX HBA 56 T4/T8 (A5:6) (4p - 25º)	Inlet	50	59	64	70	72	72	73	64	79
BOX HBA 56 T4/T8 (A5:6) (4p - 30º)	Inlet	59	69	76	78	78	76	74	66	84
BOX HBA 56 T4/T8 (A5:6) (4p - 35º)	Inlet	47	59	64	70	71	72	73	65	78
BOX HBA 56 T4/T8 (A5:6) (4p - 40º)	Inlet	53	66	76	82	81	75	73	64	86
BOX HBA 56 T4/T8 (A5:6) (4p - 45º)	Inlet	57	70	85	91	88	77	73	64	93
BOX HBA 63 T4/T8 (A2:6) (8p - 20º)	Inlet	30	32	45	54	55	54	56	51	61
BOX HBA 63 T4/T8 (A2:6) (8p - 25º)	Inlet	34	39	48	56	57	58	59	54	65
BOX HBA 63 T4/T8 (A2:6) (8p - 27,5º)	Inlet	34	39	48	56	57	58	59	54	64
BOX HBA 63 T4/T8 (A2:6) (8p - 30º)	Inlet	34	41	48	55	57	59	59	54	64
BOX HBA 63 T4/T8 (A2:6) (8p - 32,5º)	Inlet	34	42	47	54	56	58	59	53	64
BOX HBA 63 T4/T8 (A2:6) (8p - 35º)	Inlet	34	41	47	53	55	58	58	53	63
BOX HBA 63 T4/T8 (A2:6) (8p - 37,5º)	Inlet	35	42	48	54	56	58	58	53	64
BOX HBA 63 T4/T8 (A2:6) (8p - 40º)	Inlet	36	43	49	54	57	59	59	53	64
BOX HBA 63 T4/T8 (A2:6) (8p - 42,5º)	Inlet	38	43	51	55	58	59	59	53	65
BOX HBA 63 T4/T8 (A2:6) (8p - 45º)	Inlet	39	43	52	55	59	59	59	53	65
BOX HBA 63 T4/T8 (A2:6) (4p - 20º)	Inlet	45	48	61	70	70	70	72	67	77
BOX HBA 63 T4/T8 (A2:6) (4p - 25º)	Inlet	49	54	64	72	73	74	75	70	80
BOX HBA 63 T4/T8 (A2:6) (4p - 27,5º)	Inlet	49	55	64	72	73	74	75	70	80
BOX HBA 63 T4/T8 (A2:6) (4p - 30º)	Inlet	50	57	64	70	72	75	75	70	80
BOX HBA 63 T4/T8 (A2:6) (4p - 32,5º)	Inlet	50	58	63	70	72	74	74	69	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 HBA 63 T4/T8 (A2:6) (4p - 35º)	Inlet	50	57	62	69	71	74	74	68	79
BOX HBA 63 T4/T8 (A2:6) (4p - 37,5º)	Inlet	51	58	64	70	72	74	74	69	79
BOX HBA 63 T4/T8 (A2:6) (4p - 40º)	Inlet	52	58	65	70	72	75	74	69	80
BOX HBA 63 T4/T8 (A2:6) (4p - 42,5º)	Inlet	54	59	67	71	74	75	75	69	81
BOX HBA 63 T4/T8 (A2:6) (4p - 45º)	Inlet	55	59	68	71	75	75	75	69	81
BOX HBA 63 T4/T8 (A2:9) (8p - 20º)	Inlet	38	41	52	58	60	59	60	55	66
BOX HBA 63 T4/T8 (A2:9) (8p - 25º)	Inlet	38	42	51	57	59	59	61	55	66
BOX HBA 63 T4/T8 (A2:9) (8p - 27,5º)	Inlet	38	42	51	57	59	60	61	56	66
BOX HBA 63 T4/T8 (A2:9) (8p - 30º)	Inlet	39	44	51	57	59	61	62	56	67
BOX HBA 63 T4/T8 (A2:9) (8p - 32,5º)	Inlet	38	44	52	58	60	61	62	56	67
BOX HBA 63 T4/T8 (A2:9) (8p - 35º)	Inlet	38	44	52	58	60	62	62	57	67
BOX HBA 63 T4/T8 (A2:9) (8p - 37,5º)	Inlet	38	44	51	57	60	61	62	57	67
BOX HBA 63 T4/T8 (A2:9) (8p - 40º)	Inlet	38	44	50	57	60	61	62	57	67
BOX HBA 63 T4/T8 (A2:9) (8p - 42,5º)	Inlet	38	45	50	57	60	61	62	56	67
BOX HBA 63 T4/T8 (A2:9) (8p - 45º)	Inlet	38	45	50	57	60	61	62	56	67
BOX HBA 63 T4/T8 (A2:9) (4p - 20º)	Inlet	54	57	68	73	75	75	76	71	82
BOX HBA 63 T4/T8 (A2:9) (4p - 25º)	Inlet	54	58	67	73	75	75	77	71	82
BOX HBA 63 T4/T8 (A2:9) (4p - 27,5º)	Inlet	54	58	67	73	75	76	77	71	82
BOX HBA 63 T4/T8 (A2:9) (4p - 30º)	Inlet	55	59	67	73	75	77	78	72	83
BOX HBA 63 T4/T8 (A2:9) (4p - 32,5º)	Inlet	54	60	67	73	75	77	78	72	83
BOX HBA 63 T4/T8 (A2:9) (4p - 35º)	Inlet	54	60	67	74	76	77	78	72	83
BOX HBA 63 T4/T8 (A2:9) (4p - 37,5º)	Inlet	54	60	67	73	76	77	78	72	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 HBA 63 T4/T8 (A2:9) (4p - 40º)	Inlet	54	60	66	73	76	77	77	73	83
BOX HBA 63 T4/T8 (A2:9) (4p - 42,5º)	Inlet	54	61	66	72	75	77	78	72	83
BOX HBA 63 T4/T8 (A2:9) (4p - 45º)	Inlet	54	61	66	72	75	77	78	72	83
BOX HBA 63 T4/T8 (A5:6) (710 - 20º)	Inlet	50	57	62	63	64	61	60	53	70
BOX HBA 63 T4/T8 (A5:6) (710 - 25º)	Inlet	36	45	50	55	59	58	58	51	64
BOX HBA 63 T4/T8 (A5:6) (710 - 30º)	Inlet	38	46	56	63	61	60	60	53	68
BOX HBA 63 T4/T8 (A5:6) (710 - 35º)	Inlet	34	46	51	55	59	58	60	53	65
BOX HBA 63 T4/T8 (A5:6) (710 - 40º)	Inlet	35	47	59	70	67	62	60	52	73
BOX HBA 63 T4/T8 (A5:6) (710 - 45º)	Inlet	36	47	64	81	73	65	60	52	82
BOX HBA 63 T4/T8 (A5:6) (4p - 20º)	Inlet	66	73	78	79	80	77	76	69	86
BOX HBA 63 T4/T8 (A5:6) (4p - 25º)	Inlet	51	60	65	70	74	73	73	67	80
BOX HBA 63 T4/T8 (A5:6) (4p - 30º)	Inlet	54	62	72	79	77	76	76	69	84
BOX HBA 63 T4/T8 (A5:6) (4p - 35º)	Inlet	50	62	67	71	75	74	76	69	81
BOX HBA 63 T4/T8 (A5:6) (4p - 40º)	Inlet	51	63	74	86	83	78	76	68	89
BOX HBA 63 T4/T8 (A5:6) (4p - 45º)	Inlet	52	63	79	97	89	81	76	68	97
BOX HBA 71 T4/T8 (A2:6) (8p - 20º)	Inlet	36	42	53	60	64	63	65	59	70
BOX HBA 71 T4/T8 (A2:6) (8p - 25º)	Inlet	38	44	53	60	62	63	64	58	69
BOX HBA 71 T4/T8 (A2:6) (8p - 27,5º)	Inlet	38	44	52	59	62	63	64	58	69
BOX HBA 71 T4/T8 (A2:6) (8p - 30º)	Inlet	39	45	52	58	60	62	63	58	68
BOX HBA 71 T4/T8 (A2:6) (8p - 32,5º)	Inlet	38	45	51	57	59	61	62	56	67
BOX HBA 71 T4/T8 (A2:6) (8p - 35º)	Inlet	38	45	50	56	58	61	61	55	66
BOX HBA 71 T4/T8 (A2:6) (8p - 37,5º)	Inlet	39	46	52	57	60	61	61	55	67

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 71 T4/T8 (A2:6) (8p - 40º)	Inlet	40	47	53	57	61	62	61	55	67
BOX HBA 71 T4/T8 (A2:6) (8p - 42,5º)	Inlet	42	47	54	58	61	62	62	55	67
BOX HBA 71 T4/T8 (A2:6) (8p - 45º)	Inlet	43	47	55	58	61	62	62	55	68
BOX HBA 71 T4/T8 (A2:6) (4p - 20º)	Inlet	52	57	69	76	80	79	81	74	86
BOX HBA 71 T4/T8 (A2:6) (4p - 25º)	Inlet	53	59	68	75	78	79	80	74	85
BOX HBA 71 T4/T8 (A2:6) (4p - 27,5º)	Inlet	54	60	68	75	77	79	79	74	84
BOX HBA 71 T4/T8 (A2:6) (4p - 30º)	Inlet	55	61	67	74	76	78	78	74	84
BOX HBA 71 T4/T8 (A2:6) (4p - 32,5º)	Inlet	54	61	67	73	75	77	78	72	83
BOX HBA 71 T4/T8 (A2:6) (4p - 35º)	Inlet	54	61	66	72	74	77	77	71	82
BOX HBA 71 T4/T8 (A2:6) (4p - 37,5º)	Inlet	55	62	67	73	75	77	77	71	82
BOX HBA 71 T4/T8 (A2:6) (4p - 40º)	Inlet	56	63	69	73	76	78	77	71	83
BOX HBA 71 T4/T8 (A2:6) (4p - 42,5º)	Inlet	58	63	70	74	77	78	77	71	83
BOX HBA 71 T4/T8 (A2:6) (4p - 45º)	Inlet	58	63	71	74	77	78	77	71	83
BOX HBA 71 T4/T8 (A2:9) (8p - 20º)	Inlet	41	47	57	64	66	66	68	60	73
BOX HBA 71 T4/T8 (A2:9) (8p - 25º)	Inlet	41	48	55	62	65	65	66	60	71
BOX HBA 71 T4/T8 (A2:9) (8p - 27,5º)	Inlet	41	48	55	61	64	65	66	60	71
BOX HBA 71 T4/T8 (A2:9) (8p - 30º)	Inlet	41	48	54	60	63	64	65	59	70
BOX HBA 71 T4/T8 (A2:9) (8p - 32,5º)	Inlet	41	48	53	60	63	64	65	59	70
BOX HBA 71 T4/T8 (A2:9) (8p - 35º)	Inlet	41	48	53	60	63	65	64	59	70
BOX HBA 71 T4/T8 (A2:9) (8p - 37,5º)	Inlet	41	49	54	60	63	65	64	59	70
BOX HBA 71 T4/T8 (A2:9) (8p - 40º)	Inlet	42	49	55	59	63	65	65	59	70
BOX HBA 71 T4/T8 (A2:9) (8p - 42,5º)	Inlet	41	49	54	59	63	64	64	58	69

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 71 T4/T8 (A2:9) (8p - 45º)	Inlet	41	49	54	59	62	64	64	57	69
BOX HBA 71 T4/T8 (A2:9) (4p - 20º)	Inlet	57	63	73	79	82	82	83	76	88
BOX HBA 71 T4/T8 (A2:9) (4p - 25º)	Inlet	57	63	71	78	80	81	82	76	87
BOX HBA 71 T4/T8 (A2:9) (4p - 27,5º)	Inlet	57	63	71	77	80	80	82	75	87
BOX HBA 71 T4/T8 (A2:9) (4p - 30º)	Inlet	57	64	69	76	79	80	81	75	86
BOX HBA 71 T4/T8 (A2:9) (4p - 32,5º)	Inlet	57	64	69	76	79	80	80	75	86
BOX HBA 71 T4/T8 (A2:9) (4p - 35º)	Inlet	56	63	69	76	79	81	80	74	86
BOX HBA 71 T4/T8 (A2:9) (4p - 37,5º)	Inlet	57	64	70	76	79	81	80	74	86
BOX HBA 71 T4/T8 (A2:9) (4p - 40º)	Inlet	58	65	71	75	79	81	80	75	86
BOX HBA 71 T4/T8 (A2:9) (4p - 42,5º)	Inlet	57	65	70	75	78	80	80	73	85
BOX HBA 71 T4/T8 (A2:9) (4p - 45º)	Inlet	57	64	70	75	78	80	79	73	85
BOX HBA 71 T4/T8 (A5:6) (710 - 20º)	Inlet	53	60	65	67	67	65	64	57	73
BOX HBA 71 T4/T8 (A5:6) (710 - 25º)	Inlet	40	49	55	59	62	63	63	54	69
BOX HBA 71 T4/T8 (A5:6) (710 - 30º)	Inlet	41	50	56	62	63	63	62	53	69
BOX HBA 71 T4/T8 (A5:6) (710 - 35º)	Inlet	34	46	51	56	59	60	61	52	66
BOX HBA 71 T4/T8 (A5:6) (710 - 40º)	Inlet	38	49	64	73	69	65	63	53	76
BOX HBA 71 T4/T8 (A5:6) (710 - 45º)	Inlet	42	51	73	86	77	68	64	53	87
BOX HBA 71 T4/T8 (A5:6) (4p - 20º)	Inlet	68	75	80	82	82	80	79	72	89
BOX HBA 71 T4/T8 (A5:6) (4p - 25º)	Inlet	55	65	71	75	78	79	79	70	85
BOX HBA 71 T4/T8 (A5:6) (4p - 30º)	Inlet	57	65	72	78	79	78	78	69	84
BOX HBA 71 T4/T8 (A5:6) (4p - 35º)	Inlet	50	62	67	72	75	76	77	68	81
BOX HBA 71 T4/T8 (A5:6) (4p - 40º)	Inlet	54	65	80	89	85	80	78	69	92

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 71 T4/T8 (A5:6) (4p - 45º)	Inlet	58	67	89	102	93	84	80	69	102
BOX HBA 80 T4/T8 (A2:6) (8p - 20º)	Inlet	35	42	53	60	64	64	65	60	70
BOX HBA 80 T4/T8 (A2:6) (8p - 25º)	Inlet	38	45	53	60	64	65	66	60	70
BOX HBA 80 T4/T8 (A2:6) (8p - 27,5º)	Inlet	39	46	53	60	63	65	66	60	70
BOX HBA 80 T4/T8 (A2:6) (8p - 30º)	Inlet	41	48	53	60	63	65	65	59	70
BOX HBA 80 T4/T8 (A2:6) (8p - 32,5º)	Inlet	42	49	54	60	63	65	65	58	70
BOX HBA 80 T4/T8 (A2:6) (8p - 35º)	Inlet	43	50	55	59	63	65	65	58	70
BOX HBA 80 T4/T8 (A2:6) (8p - 37,5º)	Inlet	43	50	55	59	62	64	64	57	69
BOX HBA 80 T4/T8 (A2:6) (8p - 40º)	Inlet	42	50	56	59	62	63	63	56	69
BOX HBA 80 T4/T8 (A2:6) (8p - 42,5º)	Inlet	43	50	57	60	63	64	63	56	69
BOX HBA 80 T4/T8 (A2:6) (8p - 45º)	Inlet	43	50	57	60	63	64	63	56	69
BOX HBA 80 T4/T8 (A2:6) (4p - 20º)	Inlet	51	58	69	76	80	80	81	76	86
BOX HBA 80 T4/T8 (A2:6) (4p - 25º)	Inlet	54	61	69	76	79	80	81	76	86
BOX HBA 80 T4/T8 (A2:6) (4p - 27,5º)	Inlet	55	62	69	76	79	81	81	75	86
BOX HBA 80 T4/T8 (A2:6) (4p - 30º)	Inlet	56	64	69	75	79	81	81	75	86
BOX HBA 80 T4/T8 (A2:6) (4p - 32,5º)	Inlet	57	65	70	75	79	81	81	74	86
BOX HBA 80 T4/T8 (A2:6) (4p - 35º)	Inlet	58	65	71	75	78	81	81	74	86
BOX HBA 80 T4/T8 (A2:6) (4p - 37,5º)	Inlet	59	66	71	75	78	80	80	73	85
BOX HBA 80 T4/T8 (A2:6) (4p - 40º)	Inlet	58	66	72	75	78	79	79	72	85
BOX HBA 80 T4/T8 (A2:6) (4p - 42,5º)	Inlet	59	66	72	75	79	80	79	72	85
BOX HBA 80 T4/T8 (A2:6) (4p - 45º)	Inlet	59	66	73	76	79	80	79	72	85
BOX HBA 80 T4/T8 (A2:9) (8p - 20º)	Inlet	40	53	59	70	72	71	73	65	78

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 80 T4/T8 (A2:9) (8p - 25º)	Inlet	43	52	58	67	70	70	71	64	76
BOX HBA 80 T4/T8 (A2:9) (8p - 27,5º)	Inlet	43	52	58	67	69	69	71	64	76
BOX HBA 80 T4/T8 (A2:9) (8p - 30º)	Inlet	44	51	57	65	68	69	69	63	75
BOX HBA 80 T4/T8 (A2:9) (8p - 32,5º)	Inlet	44	51	56	63	67	69	68	62	74
BOX HBA 80 T4/T8 (A2:9) (8p - 35º)	Inlet	43	50	56	62	66	68	67	61	73
BOX HBA 80 T4/T8 (A2:9) (8p - 37,5º)	Inlet	44	51	57	62	66	68	67	61	73
BOX HBA 80 T4/T8 (A2:9) (8p - 40º)	Inlet	45	52	58	62	65	67	67	60	72
BOX HBA 80 T4/T8 (A2:9) (8p - 42,5º)	Inlet	45	53	58	62	65	67	66	59	72
BOX HBA 80 T4/T8 (A2:9) (8p - 45º)	Inlet	45	52	58	62	65	66	65	59	71
BOX HBA 80 T4/T8 (A2:9) (4p - 20º)	Inlet	56	69	75	86	88	87	89	80	94
BOX HBA 80 T4/T8 (A2:9) (4p - 25º)	Inlet	58	68	74	83	86	86	87	80	92
BOX HBA 80 T4/T8 (A2:9) (4p - 27,5º)	Inlet	59	68	73	82	85	85	86	79	91
BOX HBA 80 T4/T8 (A2:9) (4p - 30º)	Inlet	60	67	73	81	84	85	85	79	90
BOX HBA 80 T4/T8 (A2:9) (4p - 32,5º)	Inlet	60	67	72	79	83	84	84	78	90
BOX HBA 80 T4/T8 (A2:9) (4p - 35º)	Inlet	59	66	72	78	82	84	83	77	89
BOX HBA 80 T4/T8 (A2:9) (4p - 37,5º)	Inlet	60	67	73	78	82	84	83	76	88
BOX HBA 80 T4/T8 (A2:9) (4p - 40º)	Inlet	61	68	73	77	81	83	82	76	88
BOX HBA 80 T4/T8 (A2:9) (4p - 42,5º)	Inlet	61	68	74	77	81	82	81	75	87
BOX HBA 80 T4/T8 (A2:9) (4p - 45º)	Inlet	61	68	74	77	81	82	81	75	87
BOX HBA 80 T4/T8 (A5:6) (710 - 20º)	Inlet	55	62	67	69	69	67	66	59	76
BOX HBA 80 T4/T8 (A5:6) (710 - 25º)	Inlet	42	49	55	60	62	62	63	55	69
BOX HBA 80 T4/T8 (A5:6) (710 - 30º)	Inlet	42	54	61	70	68	66	66	58	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 HBA 80 T4/T8 (A5:6) (710 - 35º)	Inlet	39	51	57	65	70	68	68	59	75
BOX HBA 80 T4/T8 (A5:6) (710 - 40º)	Inlet	40	53	69	74	71	67	65	57	78
BOX HBA 80 T4/T8 (A5:6) (710 - 45º)	Inlet	41	55	78	81	72	67	63	56	83
BOX HBA 80 T4/T8 (A5:6) (4p - 20º)	Inlet	71	78	83	85	85	83	82	75	91
BOX HBA 80 T4/T8 (A5:6) (4p - 25º)	Inlet	58	65	71	76	78	78	79	71	85
BOX HBA 80 T4/T8 (A5:6) (4p - 30º)	Inlet	58	69	76	86	84	82	82	74	90
BOX HBA 80 T4/T8 (A5:6) (4p - 35º)	Inlet	55	67	73	81	86	84	84	75	91
BOX HBA 80 T4/T8 (A5:6) (4p - 40º)	Inlet	56	69	85	90	87	83	81	73	94
BOX HBA 80 T4/T8 (A5:6) (4p - 45º)	Inlet	57	71	94	97	88	83	79	72	99
BOX HBA 90 T4/T8 (A6:3) (8p - 20º)	Inlet	41	44	53	56	60	62	65	59	68
BOX HBA 90 T4/T8 (A6:3) (8p - 22º)	Inlet	42	46	55	58	62	63	66	60	70
BOX HBA 90 T4/T8 (A6:3) (8p - 24º)	Inlet	43	48	56	60	63	64	67	61	71
BOX HBA 90 T4/T8 (A6:3) (8p - 26º)	Inlet	44	49	57	62	64	66	68	62	72
BOX HBA 90 T4/T8 (A6:3) (8p - 28º)	Inlet	45	50	58	63	65	67	68	63	73
BOX HBA 90 T4/T8 (A6:3) (8p - 30º)	Inlet	46	52	59	65	67	68	69	63	74
BOX HBA 90 T4/T8 (A6:3) (8p - 32º)	Inlet	46	52	60	66	67	68	70	64	75
BOX HBA 90 T4/T8 (A6:3) (8p - 34º)	Inlet	46	53	60	68	68	69	70	64	75
BOX HBA 90 T4/T8 (A6:3) (8p - 36º)	Inlet	47	53	61	69	69	70	70	65	76
BOX HBA 90 T4/T8 (A6:3) (8p - 38º)	Inlet	47	54	62	70	70	71	71	66	77
BOX HBA 90 T4/T8 (A6:3) (8p - 40º)	Inlet	47	55	63	70	71	72	72	67	78
BOX HBA 90 T4/T8 (A6:3) (8p - 42º)	Inlet	48	56	63	71	72	73	73	67	79
BOX HBA 90 T4/T8 (A6:3) (4p - 20º)	Inlet	57	60	69	71	76	78	81	74	84

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 90 T4/T8 (A6:3) (4p - 22º)	Inlet	58	62	71	74	78	79	82	76	86
BOX HBA 90 T4/T8 (A6:3) (4p - 24º)	Inlet	59	63	72	76	79	80	83	77	87
BOX HBA 90 T4/T8 (A6:3) (4p - 26º)	Inlet	60	65	73	77	80	81	83	78	88
BOX HBA 90 T4/T8 (A6:3) (4p - 28º)	Inlet	61	66	74	79	81	83	84	78	89
BOX HBA 90 T4/T8 (A6:3) (4p - 30º)	Inlet	62	68	75	81	82	84	85	79	90
BOX HBA 90 T4/T8 (A6:3) (4p - 32º)	Inlet	62	68	75	82	83	84	85	80	90
BOX HBA 90 T4/T8 (A6:3) (4p - 34º)	Inlet	62	69	76	83	84	85	86	80	91
BOX HBA 90 T4/T8 (A6:3) (4p - 36º)	Inlet	62	69	77	84	84	86	86	80	92
BOX HBA 90 T4/T8 (A6:3) (4p - 38º)	Inlet	63	70	78	85	86	87	87	82	93
BOX HBA 90 T4/T8 (A6:3) (4p - 40º)	Inlet	63	71	78	86	87	88	88	82	94
BOX HBA 90 T4/T8 (A6:3) (4p - 42º)	Inlet	63	72	79	87	88	89	89	83	95
BOX HBA 90 T4/T8 (A6:6) (8p - 20º)	Inlet	46	56	62	69	73	72	72	67	78
BOX HBA 90 T4/T8 (A6:6) (8p - 22º)	Inlet	47	56	63	70	73	72	72	68	79
BOX HBA 90 T4/T8 (A6:6) (8p - 24º)	Inlet	48	57	64	70	73	72	73	68	79
BOX HBA 90 T4/T8 (A6:6) (8p - 26º)	Inlet	48	58	64	71	73	73	74	69	79
BOX HBA 90 T4/T8 (A6:6) (8p - 28º)	Inlet	49	58	64	71	73	73	74	69	80
BOX HBA 90 T4/T8 (A6:6) (8p - 30º)	Inlet	50	59	65	71	73	73	74	70	80
BOX HBA 90 T4/T8 (A6:6) (8p - 32º)	Inlet	48	58	63	70	71	72	73	68	78
BOX HBA 90 T4/T8 (A6:6) (8p - 34º)	Inlet	47	56	62	68	69	70	72	66	77
BOX HBA 90 T4/T8 (A6:6) (8p - 36º)	Inlet	47	56	61	67	69	70	71	66	76
BOX HBA 90 T4/T8 (A6:6) (8p - 38º)	Inlet	48	57	62	68	69	70	72	66	77
BOX HBA 90 T4/T8 (A6:6) (8p - 40º)	Inlet	48	57	63	69	70	71	72	66	77

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 90 T4/T8 (A6:6) (8p - 42º)	Inlet	49	58	64	69	70	71	73	66	78
BOX HBA 90 T4/T8 (A6:6) (4p - 20º)	Inlet	62	72	78	85	89	87	88	83	94
BOX HBA 90 T4/T8 (A6:6) (4p - 22º)	Inlet	62	72	79	86	89	88	88	83	94
BOX HBA 90 T4/T8 (A6:6) (4p - 24º)	Inlet	63	73	79	86	89	88	89	84	95
BOX HBA 90 T4/T8 (A6:6) (4p - 26º)	Inlet	64	74	80	87	89	89	89	84	95
BOX HBA 90 T4/T8 (A6:6) (4p - 28º)	Inlet	65	74	80	87	89	89	90	85	95
BOX HBA 90 T4/T8 (A6:6) (4p - 30º)	Inlet	66	75	80	87	89	89	90	85	96
BOX HBA 90 T4/T8 (A6:6) (4p - 32º)	Inlet	64	73	79	85	87	88	89	84	94
BOX HBA 90 T4/T8 (A6:6) (4p - 34º)	Inlet	63	72	77	84	85	86	88	82	92
BOX HBA 90 T4/T8 (A6:6) (4p - 36º)	Inlet	63	72	77	83	84	86	87	82	92
BOX HBA 90 T4/T8 (A6:6) (4p - 38º)	Inlet	64	72	78	84	85	86	88	82	93
BOX HBA 90 T4/T8 (A6:6) (4p - 40º)	Inlet	64	73	79	84	86	87	88	82	93
BOX HBA 90 T4/T8 (A6:6) (4p - 42º)	Inlet	65	74	80	85	86	87	88	82	93
BOX HBA 100 T4/T8 (A6:3) (8p - 20º)	Inlet	45	52	58	62	68	69	73	65	76
BOX HBA 100 T4/T8 (A6:3) (8p - 22º)	Inlet	46	53	59	63	68	70	73	66	76
BOX HBA 100 T4/T8 (A6:3) (8p - 24º)	Inlet	46	53	59	64	68	70	73	66	76
BOX HBA 100 T4/T8 (A6:3) (8p - 26º)	Inlet	46	53	59	64	68	69	72	65	76
BOX HBA 100 T4/T8 (A6:3) (8p - 28º)	Inlet	47	53	59	64	68	69	71	65	75
BOX HBA 100 T4/T8 (A6:3) (8p - 30º)	Inlet	47	53	59	65	67	69	70	64	75
BOX HBA 100 T4/T8 (A6:3) (8p - 32º)	Inlet	48	54	61	66	69	70	71	65	76
BOX HBA 100 T4/T8 (A6:3) (8p - 34º)	Inlet	50	56	63	68	70	71	71	66	77
BOX HBA 100 T4/T8 (A6:3) (8p - 36º)	Inlet	50	56	64	69	71	72	72	67	78

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 100 T4/T8 (A6:3) (8p - 38º)	Inlet	50	57	64	70	71	72	72	67	78
BOX HBA 100 T4/T8 (A6:3) (8p - 40º)	Inlet	50	58	64	70	72	73	73	68	79
BOX HBA 100 T4/T8 (A6:3) (8p - 42º)	Inlet	50	58	64	71	73	74	74	69	80
BOX HBA 100 T4/T8 (A6:3) (4p - 20º)	Inlet	61	68	73	78	84	85	89	81	92
BOX HBA 100 T4/T8 (A6:3) (4p - 22º)	Inlet	62	69	75	79	84	86	89	82	92
BOX HBA 100 T4/T8 (A6:3) (4p - 24º)	Inlet	62	69	75	80	84	86	88	81	92
BOX HBA 100 T4/T8 (A6:3) (4p - 26º)	Inlet	62	69	75	80	84	85	87	81	91
BOX HBA 100 T4/T8 (A6:3) (4p - 28º)	Inlet	62	69	75	80	83	85	87	80	91
BOX HBA 100 T4/T8 (A6:3) (4p - 30º)	Inlet	63	69	75	81	83	84	86	80	91
BOX HBA 100 T4/T8 (A6:3) (4p - 32º)	Inlet	64	70	77	82	84	86	87	81	92
BOX HBA 100 T4/T8 (A6:3) (4p - 34º)	Inlet	66	71	79	84	86	87	87	82	93
BOX HBA 100 T4/T8 (A6:3) (4p - 36º)	Inlet	66	72	79	85	86	88	88	83	93
BOX HBA 100 T4/T8 (A6:3) (4p - 38º)	Inlet	66	73	79	86	87	88	88	83	94
BOX HBA 100 T4/T8 (A6:3) (4p - 40º)	Inlet	66	73	80	86	88	89	89	84	95
BOX HBA 100 T4/T8 (A6:3) (4p - 42º)	Inlet	66	74	80	87	89	90	90	85	95
BOX HBA 100 T4/T8 (A6:6) (8p - 20º)	Inlet	50	61	66	76	77	77	76	72	83
BOX HBA 100 T4/T8 (A6:6) (8p - 22º)	Inlet	50	61	66	76	76	76	76	72	83
BOX HBA 100 T4/T8 (A6:6) (8p - 24º)	Inlet	51	61	67	75	76	76	76	72	82
BOX HBA 100 T4/T8 (A6:6) (8p - 26º)	Inlet	52	62	68	75	76	76	77	72	83
BOX HBA 100 T4/T8 (A6:6) (8p - 28º)	Inlet	54	62	69	75	76	77	78	73	83
BOX HBA 100 T4/T8 (A6:6) (8p - 30º)	Inlet	54	62	69	75	76	77	78	73	83
BOX HBA 100 T4/T8 (A6:6) (8p - 32º)	Inlet	53	62	68	73	75	75	76	71	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 HBA 100 T4/T8 (A6:6) (8p - 34º)	Inlet	52	61	67	71	73	74	75	70	80
BOX HBA 100 T4/T8 (A6:6) (8p - 36º)	Inlet	52	60	67	70	73	74	75	69	80
BOX HBA 100 T4/T8 (A6:6) (8p - 38º)	Inlet	53	61	67	71	74	74	75	70	81
BOX HBA 100 T4/T8 (A6:6) (8p - 40º)	Inlet	54	62	68	72	74	75	76	70	81
BOX HBA 100 T4/T8 (A6:6) (8p - 42º)	Inlet	53	61	68	72	74	75	76	70	81
BOX HBA 100 T4/T8 (A6:6) (4p - 20º)	Inlet	65	77	82	92	93	92	92	88	99
BOX HBA 100 T4/T8 (A6:6) (4p - 22º)	Inlet	66	77	82	91	92	92	92	88	98
BOX HBA 100 T4/T8 (A6:6) (4p - 24º)	Inlet	67	77	82	91	92	92	92	88	98
BOX HBA 100 T4/T8 (A6:6) (4p - 26º)	Inlet	68	77	83	91	92	92	93	88	99
BOX HBA 100 T4/T8 (A6:6) (4p - 28º)	Inlet	69	78	84	91	92	93	93	89	99
BOX HBA 100 T4/T8 (A6:6) (4p - 30º)	Inlet	70	78	85	91	92	93	94	89	99
BOX HBA 100 T4/T8 (A6:6) (4p - 32º)	Inlet	69	77	84	89	90	91	92	87	98
BOX HBA 100 T4/T8 (A6:6) (4p - 34º)	Inlet	68	76	83	87	89	90	91	86	96
BOX HBA 100 T4/T8 (A6:6) (4p - 36º)	Inlet	68	76	83	86	89	89	91	85	96
BOX HBA 100 T4/T8 (A6:6) (4p - 38º)	Inlet	69	77	83	87	89	90	91	86	96
BOX HBA 100 T4/T8 (A6:6) (4p - 40º)	Inlet	69	77	84	88	90	91	92	86	97
BOX HBA 100 T4/T8 (A6:6) (4p - 42º)	Inlet	69	77	84	88	90	91	92	86	97
BOX HBA 112 T4/T8 (A6:3) (8p - 20º)	Inlet	48	55	61	67	72	74	76	70	80
BOX HBA 112 T4/T8 (A6:3) (8p - 22º)	Inlet	50	57	62	68	73	74	76	71	80
BOX HBA 112 T4/T8 (A6:3) (8p - 24º)	Inlet	51	58	63	69	73	74	77	71	81
BOX HBA 112 T4/T8 (A6:3) (8p - 26º)	Inlet	52	58	64	70	73	74	77	71	81
BOX HBA 112 T4/T8 (A6:3) (8p - 28º)	Inlet	52	58	65	70	73	74	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 HBA 112 T4/T8 (A6:3) (8p - 30°)	Inlet	52	58	65	70	73	74	76	71	80
BOX HBA 112 T4/T8 (A6:3) (8p - 32°)	Inlet	53	58	65	70	73	74	76	71	80
BOX HBA 112 T4/T8 (A6:3) (8p - 34°)	Inlet	53	58	66	71	73	74	75	71	80
BOX HBA 112 T4/T8 (A6:3) (8p - 36°)	Inlet	54	59	66	71	73	74	75	71	80
BOX HBA 112 T4/T8 (A6:3) (8p - 38°)	Inlet	54	60	66	72	74	75	75	71	81
BOX HBA 112 T4/T8 (A6:3) (8p - 40°)	Inlet	54	60	66	72	74	75	75	71	81
BOX HBA 112 T4/T8 (A6:3) (8p - 42°)	Inlet	54	61	66	72	75	76	76	71	82
BOX HBA 112 T4/T8 (A6:3) (4p - 20°)	Inlet	64	71	77	83	88	90	91	86	96
BOX HBA 112 T4/T8 (A6:3) (4p - 22°)	Inlet	65	72	78	84	89	90	92	87	96
BOX HBA 112 T4/T8 (A6:3) (4p - 24°)	Inlet	67	74	79	85	89	90	92	87	97
BOX HBA 112 T4/T8 (A6:3) (4p - 26°)	Inlet	67	74	80	86	89	90	92	87	97
BOX HBA 112 T4/T8 (A6:3) (4p - 28°)	Inlet	68	74	81	86	89	90	92	87	97
BOX HBA 112 T4/T8 (A6:3) (4p - 30°)	Inlet	68	73	81	86	88	89	92	86	96
BOX HBA 112 T4/T8 (A6:3) (4p - 32°)	Inlet	69	74	81	86	89	90	91	86	96
BOX HBA 112 T4/T8 (A6:3) (4p - 34°)	Inlet	69	74	82	87	89	90	91	87	96
BOX HBA 112 T4/T8 (A6:3) (4p - 36°)	Inlet	70	75	82	87	89	90	91	87	96
BOX HBA 112 T4/T8 (A6:3) (4p - 38°)	Inlet	70	75	82	88	90	91	91	87	97
BOX HBA 112 T4/T8 (A6:3) (4p - 40°)	Inlet	69	76	82	88	90	91	91	87	97
BOX HBA 112 T4/T8 (A6:3) (4p - 42°)	Inlet	70	76	82	88	91	92	92	87	97
BOX HBA 112 T4/T8 (A6:6) (8p - 20°)	Inlet	50	61	67	78	79	78	79	74	85
BOX HBA 112 T4/T8 (A6:6) (8p - 22°)	Inlet	51	61	67	77	79	78	79	74	85
BOX HBA 112 T4/T8 (A6:6) (8p - 24°)	Inlet	52	61	67	76	78	78	78	73	84

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 112 T4/T8 (A6:6) (8p - 26º)	Inlet	53	62	68	76	78	78	79	73	84
BOX HBA 112 T4/T8 (A6:6) (8p - 28º)	Inlet	54	63	68	76	78	78	79	73	84
BOX HBA 112 T4/T8 (A6:6) (8p - 30º)	Inlet	55	63	68	75	77	78	79	72	84
BOX HBA 112 T4/T8 (A6:6) (8p - 32º)	Inlet	55	62	68	73	76	77	78	71	83
BOX HBA 112 T4/T8 (A6:6) (8p - 34º)	Inlet	54	62	68	72	75	77	77	70	82
BOX HBA 112 T4/T8 (A6:6) (8p - 36º)	Inlet	55	63	68	72	75	77	77	70	82
BOX HBA 112 T4/T8 (A6:6) (8p - 38º)	Inlet	57	64	70	73	77	78	79	72	84
BOX HBA 112 T4/T8 (A6:6) (8p - 40º)	Inlet	59	66	72	75	78	79	80	73	85
BOX HBA 112 T4/T8 (A6:6) (8p - 42º)	Inlet	59	65	72	75	78	79	79	73	85
BOX HBA 112 T4/T8 (A6:6) (4p - 20º)	Inlet	66	77	83	94	95	94	95	90	101
BOX HBA 112 T4/T8 (A6:6) (4p - 22º)	Inlet	67	77	83	93	95	94	95	89	101
BOX HBA 112 T4/T8 (A6:6) (4p - 24º)	Inlet	68	77	83	92	94	93	94	88	100
BOX HBA 112 T4/T8 (A6:6) (4p - 26º)	Inlet	69	78	84	92	94	94	95	89	100
BOX HBA 112 T4/T8 (A6:6) (4p - 28º)	Inlet	70	79	84	92	94	94	95	88	100
BOX HBA 112 T4/T8 (A6:6) (4p - 30º)	Inlet	71	79	84	91	93	94	95	88	100
BOX HBA 112 T4/T8 (A6:6) (4p - 32º)	Inlet	71	78	84	89	92	93	94	87	99
BOX HBA 112 T4/T8 (A6:6) (4p - 34º)	Inlet	70	78	83	87	91	92	93	86	98
BOX HBA 112 T4/T8 (A6:6) (4p - 36º)	Inlet	71	79	84	87	91	93	93	86	98
BOX HBA 112 T4/T8 (A6:6) (4p - 38º)	Inlet	73	80	86	89	92	94	94	87	99
BOX HBA 112 T4/T8 (A6:6) (4p - 40º)	Inlet	75	81	88	91	94	95	96	89	101
BOX HBA 112 T4/T8 (A6:6) (4p - 42º)	Inlet	75	80	88	91	94	95	95	89	101
BOX HBA 125 T4/T8 (A7:4) (8p - 20º)	Inlet	53	67	72	78	83	83	85	82	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 HBA 125 T4/T8 (A7:4) (8p - 22º)	Inlet	55	68	73	79	83	84	86	82	90
BOX HBA 125 T4/T8 (A7:4) (8p - 24º)	Inlet	56	66	71	77	81	82	84	79	88
BOX HBA 125 T4/T8 (A7:4) (8p - 26º)	Inlet	56	65	70	75	79	80	81	76	86
BOX HBA 125 T4/T8 (A7:4) (8p - 28º)	Inlet	56	63	69	73	77	79	80	74	85
BOX HBA 125 T4/T8 (A7:4) (8p - 30º)	Inlet	54	62	67	71	75	77	78	71	83
BOX HBA 125 T4/T8 (A7:4) (8p - 32º)	Inlet	54	62	67	71	75	76	77	70	82
BOX HBA 125 T4/T8 (A7:4) (8p - 34º)	Inlet	54	61	67	71	74	76	77	69	81
BOX HBA 125 T4/T8 (A7:4) (8p - 36º)	Inlet	54	62	67	71	74	76	77	69	82
BOX HBA 125 T4/T8 (A7:4) (8p - 38º)	Inlet	55	63	68	72	75	77	78	70	83
BOX HBA 125 T4/T8 (A7:4) (8p - 40º)	Inlet	56	63	69	73	75	78	78	71	83
BOX HBA 125 T4/T8 (A7:4) (8p - 42º)	Inlet	56	64	69	73	76	78	78	71	83
BOX HBA 125 T4/T8 (A7:4) (4p - 20º)	Inlet	69	82	87	94	98	99	100	97	105
BOX HBA 125 T4/T8 (A7:4) (4p - 22º)	Inlet	71	83	89	95	98	100	101	97	106
BOX HBA 125 T4/T8 (A7:4) (4p - 24º)	Inlet	72	81	87	93	96	98	99	95	104
BOX HBA 125 T4/T8 (A7:4) (4p - 26º)	Inlet	72	80	86	91	95	96	97	92	102
BOX HBA 125 T4/T8 (A7:4) (4p - 28º)	Inlet	72	79	85	89	93	95	96	90	100
BOX HBA 125 T4/T8 (A7:4) (4p - 30º)	Inlet	70	78	83	87	91	93	93	87	98
BOX HBA 125 T4/T8 (A7:4) (4p - 32º)	Inlet	70	77	83	87	90	92	93	86	98
BOX HBA 125 T4/T8 (A7:4) (4p - 34º)	Inlet	70	77	83	87	90	92	93	85	97
BOX HBA 125 T4/T8 (A7:4) (4p - 36º)	Inlet	70	78	83	87	90	92	93	85	98
BOX HBA 125 T4/T8 (A7:4) (4p - 38º)	Inlet	71	79	84	88	91	93	93	86	98
BOX HBA 125 T4/T8 (A7:4) (4p - 40º)	Inlet	72	79	85	88	91	94	93	86	99

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 125 T4/T8 (A7:4) (4p - 42º)	Inlet	72	80	85	89	92	94	94	87	99
BOX HBA 125 T4/T8 (A7:8) (8p - 20º)	Inlet	58	67	73	81	88	91	90	85	95
BOX HBA 125 T4/T8 (A7:8) (8p - 22º)	Inlet	58	66	73	80	87	90	89	84	94
BOX HBA 125 T4/T8 (A7:8) (8p - 24º)	Inlet	58	66	72	79	86	88	88	82	93
BOX HBA 125 T4/T8 (A7:8) (8p - 26º)	Inlet	58	65	72	78	84	87	87	81	91
BOX HBA 125 T4/T8 (A7:8) (8p - 28º)	Inlet	58	64	71	77	83	86	86	79	90
BOX HBA 125 T4/T8 (A7:8) (8p - 30º)	Inlet	57	64	71	76	81	84	84	77	88
BOX HBA 125 T4/T8 (A7:8) (8p - 32º)	Inlet	57	64	71	75	80	82	83	75	87
BOX HBA 125 T4/T8 (A7:8) (8p - 34º)	Inlet	58	64	71	75	79	81	81	73	86
BOX HBA 125 T4/T8 (A7:8) (8p - 36º)	Inlet	58	65	71	75	78	80	80	72	85
BOX HBA 125 T4/T8 (A7:8) (8p - 38º)	Inlet	58	66	71	75	78	80	79	72	85
BOX HBA 125 T4/T8 (A7:8) (8p - 40º)	Inlet	57	65	70	75	78	80	78	72	85
BOX HBA 125 T4/T8 (A7:8) (8p - 42º)	Inlet	57	65	70	75	78	80	78	72	84
BOX HBA 125 T4/T8 (A7:8) (4p - 20º)	Inlet	74	82	89	97	103	107	105	100	111
BOX HBA 125 T4/T8 (A7:8) (4p - 22º)	Inlet	74	81	89	96	102	106	104	99	110
BOX HBA 125 T4/T8 (A7:8) (4p - 24º)	Inlet	74	81	88	95	101	104	103	97	108
BOX HBA 125 T4/T8 (A7:8) (4p - 26º)	Inlet	74	80	88	94	99	103	102	96	107
BOX HBA 125 T4/T8 (A7:8) (4p - 28º)	Inlet	74	80	87	93	98	102	101	95	106
BOX HBA 125 T4/T8 (A7:8) (4p - 30º)	Inlet	73	79	86	92	96	100	99	93	104
BOX HBA 125 T4/T8 (A7:8) (4p - 32º)	Inlet	73	80	86	91	96	98	98	91	103
BOX HBA 125 T4/T8 (A7:8) (4p - 34º)	Inlet	74	80	87	91	95	97	97	89	102
BOX HBA 125 T4/T8 (A7:8) (4p - 36º)	Inlet	74	80	87	91	94	96	96	88	101

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX HBA 125 T4/T8 (A7:8) (4p - 38°)	Inlet	74	81	87	91	94	96	95	88	101
BOX HBA 125 T4/T8 (A7:8) (4p - 40°)	Inlet	73	80	86	90	94	96	94	88	100
BOX HBA 125 T4/T8 (A7:8) (4p - 42°)	Inlet	73	80	86	91	94	96	94	87	100