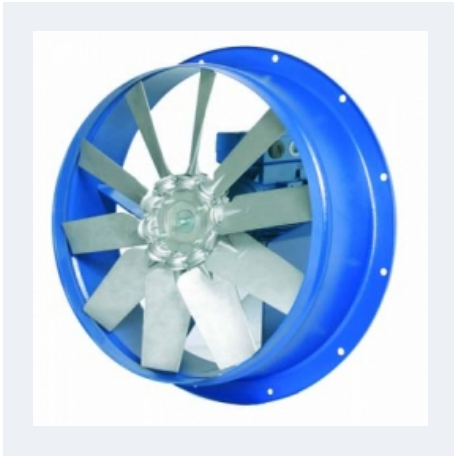


HBA



WALL FAN , VARIABLE PITCH BLADES

MANUFACTURING FEATURES:

- Plate axial fan with circular reinforced frame.
- Motor-impeller modular assembly for complete versatility.
- Corrosion-resistant powder coat polyester resin..
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase, motors up to 4kW and 400/690V 50Hz for higher powers.
- HB : Polypropylene impeller (A2 profile) or polyamide impeller reinforced with fibreglass (other profiles) with variable pitch angle
- HBA : Cast aluminum impeller with variable pitch angle.

APPLICATIONS:

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: 1ph 50°C, 3ph 60°C.

UNDER REQUEST:

- Supply impeller (air direction from impeller to motor)
- 100% reversible impeller.
- 60Hz fans and special voltages.
- Hot-dipped galvanized or stainless steel housing.

Accessories



AC



BA-400



BAD



INT



JE 45



MC HB



PC2



PCP



RP0



RP1

## Technical data

### Single-phase motor / 2 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
-	HBA 35 M2 (A0:6)	25° - 40°	0,55	1,10	6.200	60	9,40	1

### Single-phase motor / 4 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
-	HBA 35 M4 (A0:6)	35° - 40°	0,12	0,12	3.440	46	9,40	1
-	HBA 40 M4 (A0:6)	35° - 40°	0,18	0,25	4.670	51	10,90	1
-	HBA 45 M4 (A0:6)	35° - 40°	0,25	0,25	6.360	52	13,10	1
-	HBA 45 M4 (A5:6)	25° - 45°	0,12	0,55	6.350	51	15,40	1
-	HBA 50 M4 (A0:6)	35° - 40°	0,37	0,37	8.140	53	17,30	1
-	HBA 50 M4 (A5:6)	25° - 45°	0,12	0,55	8.130	54	19,70	1
-	HBA 56 M4 (A2:6)	20° - 45°	0,37	1,10	13.910	60	20,80	1
-	HBA 56 M4 (A2:9)	20° - 45°	0,37	1,10	14.710	60	21,30	1
-	HBA 56 M4 (A5:6)	20° - 45°	0,37	1,10	14.640	70	22,50	1
-	HBA 56 M4 0,55kW (A2:6)	20° - 25°	-	-	8.290	56	43	1
-	HBA 63 M4 (A2:6)	20° - 30°	0,37	0,75	20.110	60	24,60	1
-	HBA 63 M4 (A2:9)	20° - 27,5°	0,37	0,75	21.810	62	25,20	1
-	HBA 63 M4 (A5:6)	20° - 25°	0,37	0,75	20.350	63	26,50	1
-	HBA 71 M4 (A2:6)	20° - 25°	0,75	0,75	27.910	64	28,60	1
-	HBA 71 M4 (A2:9)	20° - 20°	0,75	0,75	27.100	68	29,20	1
-	HBA 71 M4 (A5:6)	20° - 20°	0,75	0,75	27.520	66	30,60	1

### Single-phase motor / 6 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
-	HBA 56 M6 (A2:6)	20° - 45°	0,25	0,55	9.010	51	20,80	1
-	HBA 56 M6 (A2:9)	20° - 45°	0,25	0,55	9.520	51	21,30	1
-	HBA 56 M6 (A5:6)	20° - 45°	0,25	0,55	9.760	67	22,50	1
-	HBA 56 M6 0,25kW (A2:6)	20° - 37,5°	-	-	7.710	47	41	1
-	HBA 63 M6 (A2:6)	20° - 45°	0,25	0,75	13.010	53	24,60	1

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
-	HBA 63 M6 (A2:9)	20° - 45°	0,37	0,75	14.110	53	25,20	1
-	HBA 63 M6 (A5:6)	20° - 45°	0,37	0,75	13.570	71	26,50	1
-	HBA 71 M6 (A2:6)	20° - 45°	0,55	1,10	18.110	56	28,60	1
-	HBA 71 M6 (A2:9)	20° - 45°	0,55	1,10	19.610	58	29,20	1
-	HBA 71 M6 (A5:6)	20° - 45°	0,55	1,10	18.350	76	30,60	1

### Three-phase motor / 2 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight*	Connect. diagram
-	HBA 35 T2 (A0:6)	25° - 40°	0,55	1,10	6.200	60	9,40	2
-	HBA 40 T2 (A0:6)	25° - 40°	0,75	1,10	4.660	62	10,90	2
-	HBA 45 T2 (A0:6)	25° - 35°	1,50	2,20	-	68	13,10	2

### Three-phase motor / 4 poles

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight*	Connect. diagram
-	HBA 35 T4 (A0:6)	35° - 40°	0,12	0,12	3.440	46	9,40	2
-	HBA 40 T4 (A0:6)	35° - 40°	0,18	0,18	4.670	51	10,90	2
-	HBA 45 T4 (A0:6)	35° - 40°	0,25	0,25	6.360	52	13,10	2
-	HBA 45 T4 (A5:6)	25° - 45°	0,12	0,55	6.350	51	15,40	2
-	HBA 50 T4 (A0:6)	35° - 40°	0,37	0,37	8.140	53	17,30	2
-	HBA 50 T4 (A5:6)	25° - 45°	0,12	0,75	8.130	54	19,70	2
-	HBA 56 T4 (A2:6)	20° - 45°	0,37	1,50	13.910	60	20,80	2
-	HBA 56 T4 (A2:9)	20° - 45°	0,37	2,20	14.710	60	21,30	2
-	HBA 56 T4 (A5:6)	20° - 45°	0,37	1,50	14.640	70	22,50	2
-	HBA 63 T4 (A2:6)	20° - 45°	0,37	3	20.110	62	24,60	2
-	HBA 63 T4 (A2:9)	20° - 45°	0,37	3	21.810	63	25,20	2
-	HBA 63 T4 (A5:6)	20° - 45°	0,37	3	20.350	74	26,50	2
-	HBA 71 T4 (A2:6)	20° - 45°	0,75	3	27.910	65	28,60	2
-	HBA 71 T4 (A2:9)	20° - 45°	0,75	4	27.100	68	29,20	2
-	HBA 71 T4 (A5:6)	20° - 45°	0,75	3	27.520	79	30,60	2
-	HBA 80 T4 (A2:6)	20° - 45°	1,10	5,50	39.010	67	34	2
-	HBA 80 T4 (A2:9)	20° - 45°	1,10	5,50	41.810	72	34,60	2
-	HBA 80 T4 (A5:6)	20° - 40°	1,10	4	34.500	71	36,30	2

Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight*	Connect. diagram
-	HBA 90 T4 (A6:3)	20° - 42°	3	15	51.110	75	55,30	2
-	HBA 90 T4 (A6:6)	20° - 42°	3	15	58.310	76	60,70	2
-	HBA 100 T4 (A6:3)	20° - 42°	5,50	22	69.410	76	67,60	2
-	HBA 100 T4 (A6:6)	20° - 42°	5,50	22	81.210	80	73,70	2
-	HBA 112 T4 (A6:3)	20° - 42°	5,50	30	92.110	78	76,50	2
-	HBA 112 T4 (A6:6)	20° - 42°	5,50	30	109.010	83	83,20	2
-	HBA 125 T4 (A7:4)	20° - 42°	11	45	132.010	85	91,20	2
-	HBA 125 T4 (A7:8)	20° - 42°	11	45	143.500	89	100,30	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*	Connect. diagram
-	HBA 35 T6 (A0:6)	35° - 40°	0,12	0,12	2.230	37	9,40	2
-	HBA 40 T6 (A0:6)	35° - 40°	0,12	0,12	3.030	42	10,90	2
-	HBA 45 T6 (A0:6)	35° - 40°	0,12	0,12	4.120	42	13,10	2
-	HBA 45 T6 (A5:6)	25° - 45°	0,13	0,13	4.110	42	15,40	2
-	HBA 50 T6 (A0:6)	35° - 40°	0,12	0,12	5.280	44	17,30	2
-	HBA 50 T6 (A5:6)	25° - 45°	0,25	0,25	5.270	45	19,70	2
-	HBA 56 T6 (A2:6)	20° - 45°	0,25	0,55	9.010	51	20,80	2
-	HBA 56 T6 (A2:9)	20° - 45°	0,25	0,55	9.520	51	21,30	2
-	HBA 56 T6 (A5:6)	20° - 45°	0,25	0,55	9.760	67	22,50	2
-	HBA 63 T6 (A2:6)	20° - 45°	0,25	0,75	13.010	53	24,60	2
-	HBA 63 T6 (A2:9)	20° - 45°	0,37	0,75	14.110	53	25,20	2
-	HBA 63 T6 (A5:6)	20° - 45°	0,37	0,75	13.570	71	26,50	2
-	HBA 71 T6 (A2:6)	20° - 45°	0,55	1,10	18.110	56	28,60	2
-	HBA 71 T6 (A2:9)	20° - 45°	0,55	1,10	19.610	58	29,20	2
-	HBA 71 T6 (A5:6)	20° - 45°	0,55	1,10	18.350	76	30,60	2
-	HBA 80 T6 (A2:6)	20° - 45°	0,75	2,20	25.310	57	34	2
-	HBA 80 T6 (A2:9)	20° - 45°	0,75	2,20	27.110	63	34,60	2
-	HBA 80 T6 (A5:6)	20° - 45°	0,75	2,20	25.200	72	36,30	2
-	HBA 90 T6 (A6:3)	20° - 42°	1,50	4	33.110	65	55,30	2
-	HBA 90 T6 (A6:6)	20° - 42°	1,50	4	37.810	66	60,70	2
-	HBA 100 T6 (A6:3)	20° - 42°	2,20	7,50	45.010	66	67,60	2
-	HBA 100 T6 (A6:6)	20° - 42°	2,20	7,50	52.610	70	73,70	2
-	HBA 112 T6 (A6:3)	20° - 42°	2,20	11	59.710	69	76,50	2
-	HBA 112 T6 (A6:6)	20° - 42°	2,20	11	70.510	73	83,20	2

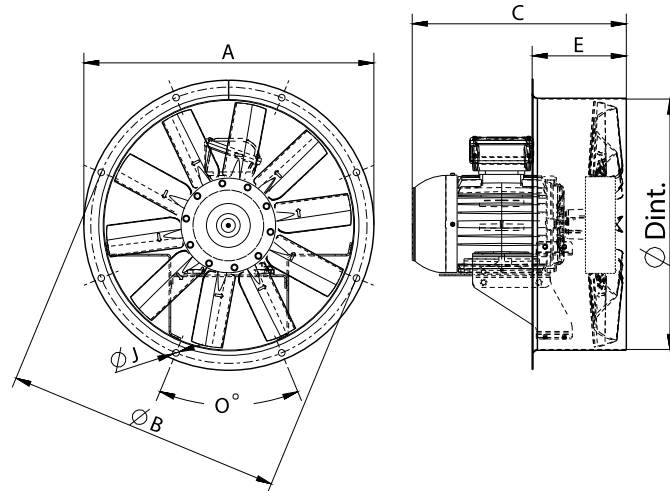
Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight*	Connect. diagram
-	HBA 125 T6 (A7:4)	20° - 42°	3	15	85.410	76	91,20	2
-	HBA 125 T6 (A7:8)	20° - 42°	3	15	98.110	80	100,30	2

**Notes:**

\* The motor is not included in fan weight

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

## Dimensions



Model	C	C (Mot.T. 63)	C (Mot.T. 71)	C (Mot.T. 80)	C (Mot.T. 90L)	C (Mot.T. 90S)	C (Mot.T. 100L)	C (Mot.T. 112)	C (Mot.T. 112M)
HBA 35 M2 (A0:6)	-	303	306	335	-	-	-	-	-
HBA 35 M4 (A0:6)	-	303	306	335	-	-	-	-	-
HBA 35 T2 (A0:6)	-	303	306	335	-	-	-	-	-
HBA 35 T4 (A0:6)	-	303	306	335	-	-	-	-	-
HBA 35 T6 (A0:6)	-	303	306	335	-	-	-	-	-
HBA 40 M4 (A0:6)	-	303	301	335	377	352	-	-	-
HBA 40 T2 (A0:6)	-	303	301	335	377	352	-	-	-
HBA 40 T4 (A0:6)	-	303	301	335	377	352	-	-	-
HBA 40 T6 (A0:6)	-	303	301	335	377	352	-	-	-
HBA 45 M4 (A0:6)	-	328	328	347	387	362	418	-	-
HBA 45 M4 (A5:6)	-	328	328	347	387	362	418	-	-
HBA 45 T2 (A0:6)	-	328	328	347	387	362	418	-	-
HBA 45 T4 (A0:6)	-	328	328	347	387	362	418	-	-
HBA 45 T4 (A5:6)	-	328	328	347	387	362	418	-	-
HBA 45 T6 (A0:6)	-	328	328	347	387	362	418	-	-
HBA 45 T6 (A5:6)	-	328	328	347	387	362	418	-	-
HBA 50 M4 (A0:6)	-	-	338	350	387	362	421	-	-
HBA 50 M4 (A5:6)	-	-	338	350	387	362	421	-	-
HBA 50 T4 (A0:6)	-	-	338	350	387	362	421	-	-
HBA 50 T4 (A5:6)	-	-	338	350	387	362	421	-	-
HBA 50 T6 (A0:6)	-	-	338	350	387	362	421	-	-
HBA 50 T6 (A5:6)	-	-	338	350	387	362	421	-	-
HBA 56 M4 (A2:6)	-	-	338	352	387	362	423	-	-
HBA 56 M4 (A2:9)	-	-	338	352	387	362	423	-	-

Model	C	C (Mot.T. 63)	C (Mot.T. 71)	C (Mot.T. 80)	C (Mot.T. 90L)	C (Mot.T. 90S)	C (Mot.T. 100L)	C (Mot.T. 112)	C (Mot.T. 112M)
HBA 56 M4 (A5:6)	-	-	338	352	387	362	423	-	-
HBA 56 M4 0,55kW (A2:6)	352	-	-	-	-	-	-	-	-
HBA 56 M6 (A2:6)	-	-	338	352	387	362	423	-	-
HBA 56 M6 (A2:9)	-	-	338	352	387	362	423	-	-
HBA 56 M6 (A5:6)	-	-	338	352	387	362	423	-	-
HBA 56 M6 0,25kW (A2:6)	338	-	-	-	-	-	-	-	-
HBA 56 T4 (A2:6)	-	-	338	352	387	362	423	-	-
HBA 56 T4 (A2:9)	-	-	338	352	387	362	423	-	-
HBA 56 T4 (A5:6)	-	-	338	352	387	362	423	-	-
HBA 56 T6 (A2:6)	-	-	338	352	387	362	423	-	-
HBA 56 T6 (A2:9)	-	-	338	352	387	362	423	-	-
HBA 56 T6 (A5:6)	-	-	338	352	387	362	423	-	-
HBA 63 M4 (A2:6)	-	-	-	352	411	386	442	-	463
HBA 63 M4 (A2:9)	-	-	-	352	411	386	442	-	463
HBA 63 M4 (A5:6)	-	-	-	352	411	386	442	-	463
HBA 63 M6 (A2:6)	-	-	-	352	411	386	442	-	463
HBA 63 M6 (A2:9)	-	-	-	352	411	386	442	-	463
HBA 63 M6 (A5:6)	-	-	-	352	411	386	442	-	463
HBA 63 T4 (A2:6)	-	-	-	352	411	386	442	-	463
HBA 63 T4 (A2:9)	-	-	-	352	411	386	442	-	463
HBA 63 T4 (A5:6)	-	-	-	352	411	386	442	-	463
HBA 63 T6 (A2:6)	-	-	-	352	411	386	442	-	463
HBA 63 T6 (A2:9)	-	-	-	352	411	386	442	-	463
HBA 63 T6 (A5:6)	-	-	-	352	411	386	442	-	463
HBA 71 M4 (A2:6)	-	-	-	357	416	391	447	-	468
HBA 71 M4 (A2:9)	-	-	-	357	416	391	447	-	468
HBA 71 M4 (A5:6)	-	-	-	357	416	391	447	-	468
HBA 71 M6 (A2:6)	-	-	-	357	416	391	447	-	468
HBA 71 M6 (A2:9)	-	-	-	357	416	391	447	-	468
HBA 71 M6 (A5:6)	-	-	-	357	416	391	447	-	468
HBA 71 T4 (A2:6)	-	-	-	357	416	391	447	-	468
HBA 71 T4 (A2:9)	-	-	-	357	416	391	447	-	468
HBA 71 T4 (A5:6)	-	-	-	357	416	391	447	-	468
HBA 71 T6 (A2:6)	-	-	-	357	416	391	447	-	468
HBA 71 T6 (A2:9)	-	-	-	357	416	391	447	-	468
HBA 71 T6 (A5:6)	-	-	-	357	416	391	447	-	468
HBA 80 T4 (A2:6)	-	-	-	-	427	427	463	-	469
HBA 80 T4 (A2:9)	-	-	-	-	427	427	463	-	469
HBA 80 T4 (A5:6)	-	-	-	-	427	427	463	-	469
HBA 80 T6 (A2:6)	-	-	-	-	427	427	463	-	469

Model	C	C (Mot.T. 63)	C (Mot.T. 71)	C (Mot.T. 80)	C (Mot.T. 90L)	C (Mot.T. 90S)	C (Mot.T. 100L)	C (Mot.T. 112)	C (Mot.T. 112M)
HBA 80 T6 (A2:9)	-	-	-	-	427	427	463	-	469
HBA 80 T6 (A5:6)	-	-	-	-	427	427	463	-	469
HBA 90 T4 (A6:3)	-	-	-	-	-	-	658	658	-
HBA 90 T4 (A6:6)	-	-	-	-	-	-	658	658	-
HBA 90 T6 (A6:3)	-	-	-	-	-	-	658	658	-
HBA 90 T6 (A6:6)	-	-	-	-	-	-	658	658	-
HBA 100 T4 (A6:3)	-	-	-	-	-	-	-	-	-
HBA 100 T4 (A6:6)	-	-	-	-	-	-	-	-	-
HBA 100 T6 (A6:3)	-	-	-	-	-	-	-	-	-
HBA 100 T6 (A6:6)	-	-	-	-	-	-	-	-	-
HBA 112 T4 (A6:3)	-	-	-	-	-	-	-	-	-
HBA 112 T4 (A6:6)	-	-	-	-	-	-	-	-	-
HBA 112 T6 (A6:3)	-	-	-	-	-	-	-	-	-
HBA 112 T6 (A6:6)	-	-	-	-	-	-	-	-	-
HBA 125 T4 (A7:4)	-	-	-	-	-	-	-	-	-
HBA 125 T4 (A7:8)	-	-	-	-	-	-	-	-	-
HBA 125 T6 (A7:4)	-	-	-	-	-	-	-	-	-
HBA 125 T6 (A7:8)	-	-	-	-	-	-	-	-	-

Model	C (Mot.T. 132)	C (Mot.T. 132M)	C (Mot.T. 132S)	C (Mot.T. 160L)	C (Mot.T. 160M)	C (Mot.T. 180L)	C (Mot.T. 180M)	C (Mot.T. 200)	C (Mot.T. 225)
HBA 35 M2 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 35 M4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 35 T2 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 35 T4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 35 T6 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 40 M4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 40 T2 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 40 T4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 40 T6 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 45 M4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 45 M4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 45 T2 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 45 T4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 45 T4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 45 T6 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 45 T6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 50 M4 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 50 M4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 50 T4 (A0:6)	-	-	-	-	-	-	-	-	-



Model	C (Mot.T. 132)	C (Mot.T. 132M)	C (Mot.T. 132S)	C (Mot.T. 160L)	C (Mot.T. 160M)	C (Mot.T. 180L)	C (Mot.T. 180M)	C (Mot.T. 200)	C (Mot.T. 225)
HBA 50 T4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 50 T6 (A0:6)	-	-	-	-	-	-	-	-	-
HBA 50 T6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 56 M4 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 56 M4 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 56 M4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 56 M4 0,55kW (A2:6)	-	-	-	-	-	-	-	-	-
HBA 56 M6 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 56 M6 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 56 M6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 56 M6 0,25kW (A2:6)	-	-	-	-	-	-	-	-	-
HBA 56 T4 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 56 T4 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 56 T4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 56 T6 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 56 T6 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 56 T6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 63 M4 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 63 M4 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 63 M4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 63 M6 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 63 M6 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 63 M6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 63 T4 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 63 T4 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 63 T4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 63 T6 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 63 T6 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 63 T6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 71 M4 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 71 M4 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 71 M4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 71 M6 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 71 M6 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 71 M6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 71 T4 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 71 T4 (A2:9)	-	-	-	-	-	-	-	-	-
HBA 71 T4 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 71 T6 (A2:6)	-	-	-	-	-	-	-	-	-
HBA 71 T6 (A2:9)	-	-	-	-	-	-	-	-	-

Model	C (Mot.T. 132)	C (Mot.T. 132M)	C (Mot.T. 132S)	C (Mot.T. 160L)	C (Mot.T. 160M)	C (Mot.T. 180L)	C (Mot.T. 180M)	C (Mot.T. 200)	C (Mot.T. 225)
HBA 71 T6 (A5:6)	-	-	-	-	-	-	-	-	-
HBA 80 T4 (A2:6)	-	563	525	-	-	-	-	-	-
HBA 80 T4 (A2:9)	-	563	525	-	-	-	-	-	-
HBA 80 T4 (A5:6)	-	563	525	-	-	-	-	-	-
HBA 80 T6 (A2:6)	-	563	525	-	-	-	-	-	-
HBA 80 T6 (A2:9)	-	563	525	-	-	-	-	-	-
HBA 80 T6 (A5:6)	-	563	525	-	-	-	-	-	-
HBA 90 T4 (A6:3)	658	-	-	742	721	787	778	-	-
HBA 90 T4 (A6:6)	658	-	-	742	721	787	778	-	-
HBA 90 T6 (A6:3)	658	-	-	742	721	787	778	-	-
HBA 90 T6 (A6:6)	658	-	-	742	721	787	778	-	-
HBA 100 T4 (A6:3)	653	-	-	738	716	792	776	-	-
HBA 100 T4 (A6:6)	653	-	-	738	716	792	776	-	-
HBA 100 T6 (A6:3)	653	-	-	738	716	792	776	-	-
HBA 100 T6 (A6:6)	653	-	-	738	716	792	776	-	-
HBA 112 T4 (A6:3)	760	-	-	760	760	780	761	864	949
HBA 112 T4 (A6:6)	760	-	-	760	760	780	761	864	949
HBA 112 T6 (A6:3)	760	-	-	760	760	780	761	864	949
HBA 112 T6 (A6:6)	760	-	-	760	760	780	761	864	949
HBA 125 T4 (A7:4)	759	-	-	759	759	779	760	863	948
HBA 125 T4 (A7:8)	759	-	-	759	759	779	760	863	948
HBA 125 T6 (A7:4)	759	-	-	759	759	779	760	863	948
HBA 125 T6 (A7:8)	759	-	-	759	759	779	760	863	948

Model	E	O	ØA	ØB	ØD	ØDint	ØJ
HBA 35 M2 (A0:6)	150	8x45°	434	395	365	-	10
HBA 35 M4 (A0:6)	150	8x45°	434	395	365	-	10
HBA 35 T2 (A0:6)	150	8x45°	434	395	365	-	10
HBA 35 T4 (A0:6)	150	8x45°	434	395	365	-	10
HBA 35 T6 (A0:6)	150	8x45°	434	395	365	-	10
HBA 40 M4 (A0:6)	150	8x45°	472	450	403	-	10
HBA 40 T2 (A0:6)	150	8x45°	472	450	403	-	10
HBA 40 T4 (A0:6)	150	8x45°	472	450	403	-	10
HBA 40 T6 (A0:6)	150	8x45°	472	450	403	-	10
HBA 45 M4 (A0:6)	165	8X45°	525	500	452	-	12
HBA 45 M4 (A5:6)	165	8X45°	525	500	452	-	12
HBA 45 T2 (A0:6)	165	8X45°	525	500	452	-	12
HBA 45 T4 (A0:6)	165	8X45°	525	500	452	-	12
HBA 45 T4 (A5:6)	165	8X45°	525	500	452	-	12
HBA 45 T6 (A0:6)	165	8X45°	525	500	452	-	12

Model	E	O	ØA	ØB	ØD	ØDint	ØJ
HBA 45 T6 (A5:6)	165	8X45°	525	500	452	-	12
HBA 50 M4 (A0:6)	165	12x30°	600	560	504	-	12
HBA 50 M4 (A5:6)	165	12x30°	600	560	504	-	12
HBA 50 T4 (A0:6)	165	12x30°	600	560	504	-	12
HBA 50 T4 (A5:6)	165	12x30°	600	560	504	-	12
HBA 50 T6 (A0:6)	165	12x30°	600	560	504	-	12
HBA 50 T6 (A5:6)	165	12x30°	600	560	504	-	12
HBA 56 M4 (A2:6)	175	12X30°	646	620	559	-	12
HBA 56 M4 (A2:9)	175	12X30°	646	620	559	-	12
HBA 56 M4 (A5:6)	175	12X30°	646	620	559	-	12
HBA 56 M4 0,55kW (A2:6)	175	12x30°	646	620	-	559	12
HBA 56 M6 (A2:6)	175	12X30°	646	620	559	-	12
HBA 56 M6 (A2:9)	175	12X30°	646	620	559	-	12
HBA 56 M6 (A5:6)	175	12X30°	646	620	559	-	12
HBA 56 M6 0,25kW (A2:6)	175	12x30°	646	620	-	559	12
HBA 56 T4 (A2:6)	175	12X30°	646	620	559	-	12
HBA 56 T4 (A2:9)	175	12X30°	646	620	559	-	12
HBA 56 T4 (A5:6)	175	12X30°	646	620	559	-	12
HBA 56 T6 (A2:6)	175	12X30°	646	620	559	-	12
HBA 56 T6 (A2:9)	175	12X30°	646	620	559	-	12
HBA 56 T6 (A5:6)	175	12X30°	646	620	559	-	12
HBA 63 M4 (A2:6)	185	12X30°	725	690	633	-	12
HBA 63 M4 (A2:9)	185	12X30°	725	690	633	-	12
HBA 63 M4 (A5:6)	185	12X30°	725	690	633	-	12
HBA 63 M6 (A2:6)	185	12X30°	725	690	633	-	12
HBA 63 M6 (A2:9)	185	12X30°	725	690	633	-	12
HBA 63 M6 (A5:6)	185	12X30°	725	690	633	-	12
HBA 63 T4 (A2:6)	185	12X30°	725	690	633	-	12
HBA 63 T4 (A2:9)	185	12X30°	725	690	633	-	12
HBA 63 T4 (A5:6)	185	12X30°	725	690	633	-	12
HBA 63 T6 (A2:6)	185	12X30°	725	690	633	-	12
HBA 63 T6 (A2:9)	185	12X30°	725	690	633	-	12
HBA 63 T6 (A5:6)	185	12X30°	725	690	633	-	12
HBA 71 M4 (A2:6)	190	16x22,5°	802	770	715	-	12
HBA 71 M4 (A2:9)	190	16x22,5°	802	770	715	-	12
HBA 71 M4 (A5:6)	190	16x22,5°	802	770	715	-	12
HBA 71 M6 (A2:6)	190	16x22,5°	802	770	715	-	12
HBA 71 M6 (A2:9)	190	16x22,5°	802	770	715	-	12
HBA 71 M6 (A5:6)	190	16x22,5°	802	770	715	-	12
HBA 71 T4 (A2:6)	190	16x22,5°	802	770	715	-	12

Model	E	O	ØA	ØB	ØD	ØDint	ØJ
HBA 71 T4 (A2:9)	190	16x22,5°	802	770	715	-	12
HBA 71 T4 (A5:6)	190	16x22,5°	802	770	715	-	12
HBA 71 T6 (A2:6)	190	16x22,5°	802	770	715	-	12
HBA 71 T6 (A2:9)	190	16x22,5°	802	770	715	-	12
HBA 71 T6 (A5:6)	190	16x22,5°	802	770	715	-	12
HBA 80 T4 (A2:6)	220	16x22,5°	892	860	801	-	12
HBA 80 T4 (A2:9)	220	16x22,5°	892	860	801	-	12
HBA 80 T4 (A5:6)	220	16x22,5°	892	860	801	-	12
HBA 80 T6 (A2:6)	220	16x22,5°	892	860	801	-	12
HBA 80 T6 (A2:9)	220	16x22,5°	892	860	801	-	12
HBA 80 T6 (A5:6)	220	16x22,5°	892	860	801	-	12
HBA 90 T4 (A6:3)	340	16x22,5°	1000	970	903.5	-	12
HBA 90 T4 (A6:6)	340	16x22,5°	1000	970	903.5	-	12
HBA 90 T6 (A6:3)	340	16x22,5°	1000	970	903.5	-	12
HBA 90 T6 (A6:6)	340	16x22,5°	1000	970	903.5	-	12
HBA 100 T4 (A6:3)	340	16x22,5°	1115	1070	1013	-	12
HBA 100 T4 (A6:6)	340	16x22,5°	1115	1070	1013	-	12
HBA 100 T6 (A6:3)	340	16x22,5°	1115	1070	1013	-	12
HBA 100 T6 (A6:6)	340	16x22,5°	1115	1070	1013	-	12
HBA 112 T4 (A6:3)	340	16x22,5°	1234	1190	1132	-	12
HBA 112 T4 (A6:6)	340	16x22,5°	1234	1190	1132	-	12
HBA 112 T6 (A6:3)	340	16x22,5°	1234	1190	1132	-	12
HBA 112 T6 (A6:6)	340	16x22,5°	1234	1190	1132	-	12
HBA 125 T4 (A7:4)	340	20x18°	1365	1320	1263	-	15
HBA 125 T4 (A7:8)	340	20x18°	1365	1320	1263	-	15
HBA 125 T6 (A7:4)	340	20x18°	1365	1320	1263	-	15
HBA 125 T6 (A7:8)	340	20x18°	1365	1320	1263	-	15

# Wiring diagram

DIAGRAM N° 1

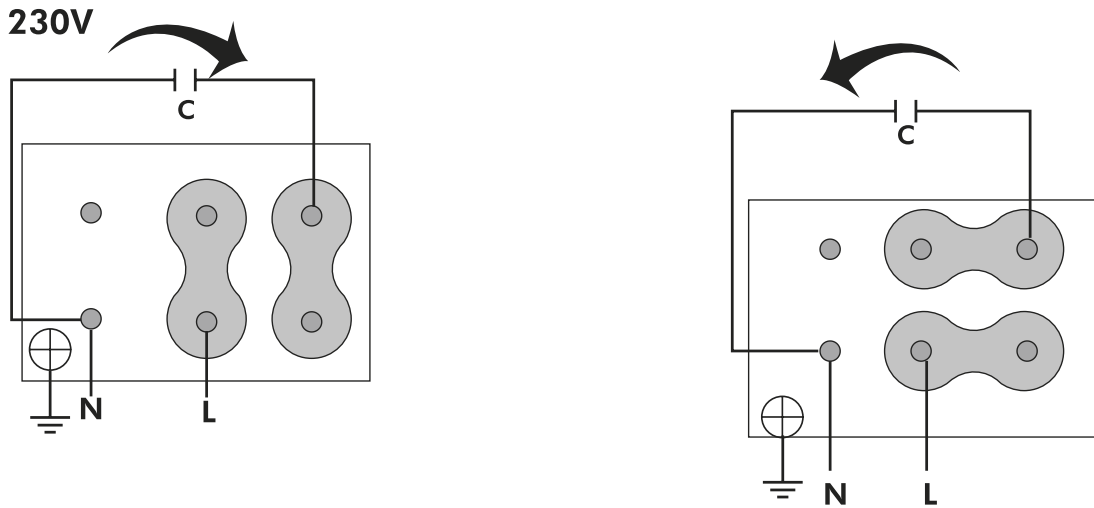
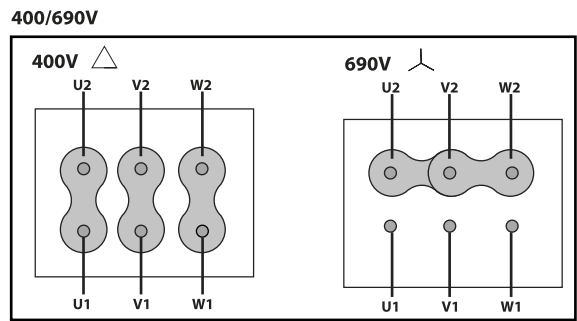
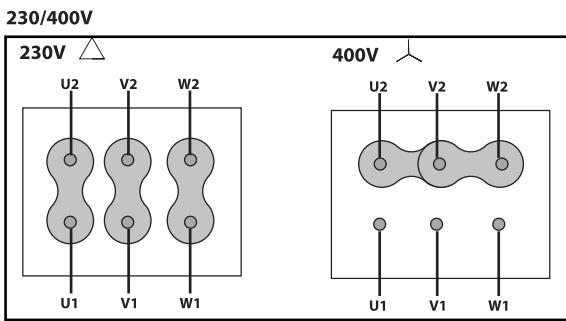


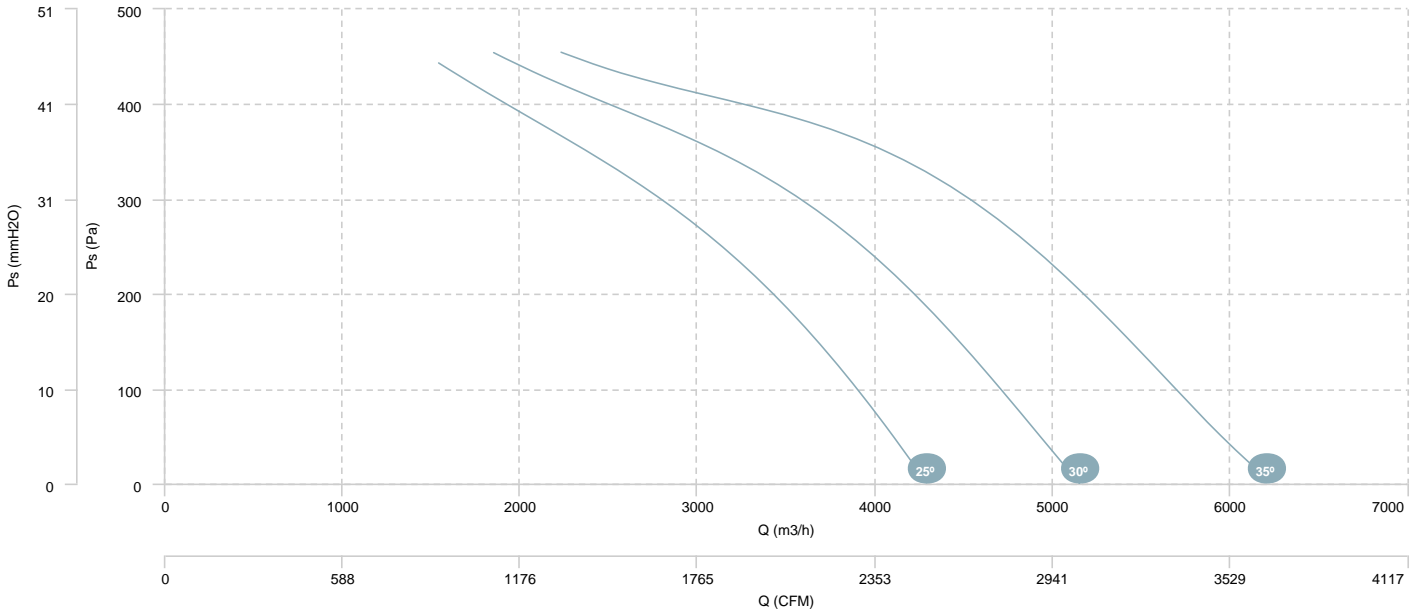
DIAGRAM N° 2



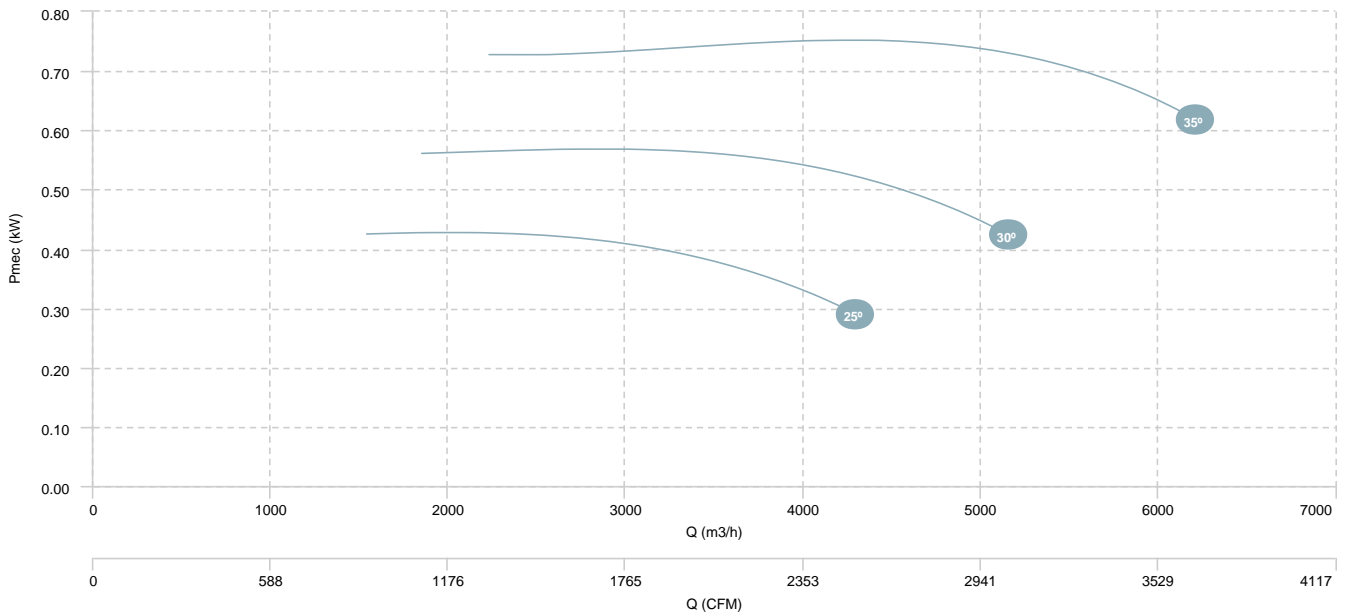
# CHARACTERISTIC CURVE

HBA 35 M2 (A0:6)

## AIR FLOW - PRESSURE

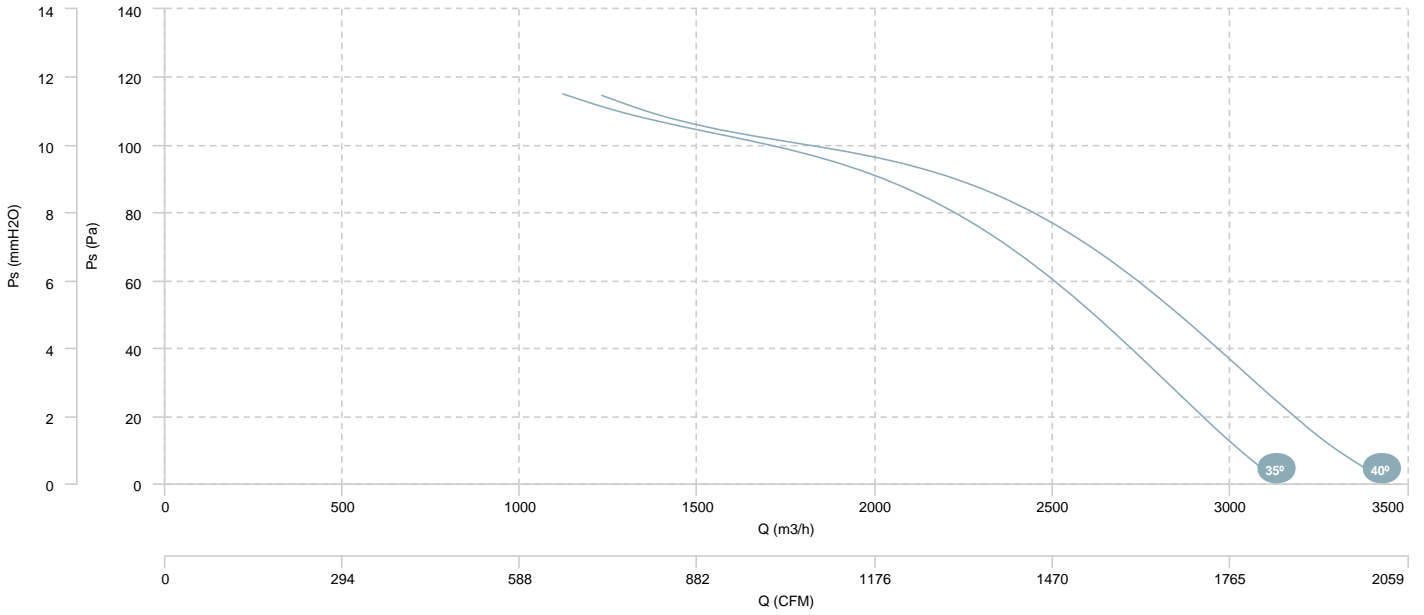


## AIR FLOW - MECHANICAL POWER

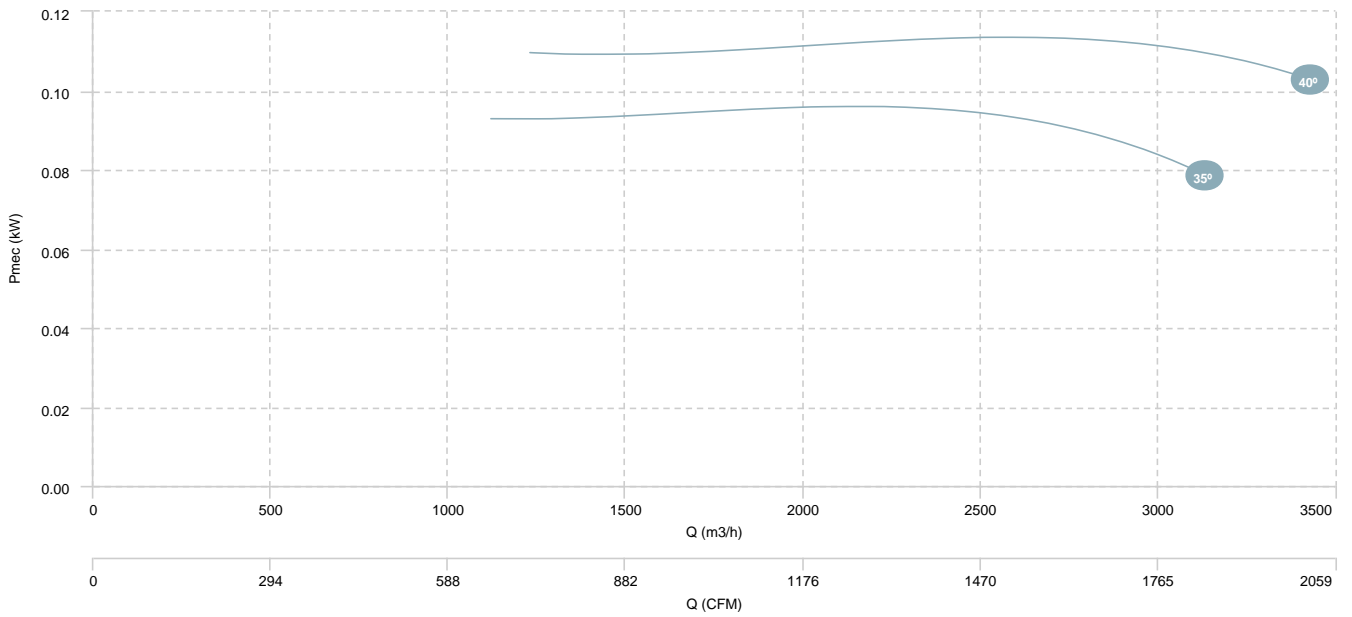


HBA 35 M4 (A0:6)

AIR FLOW - PRESSURE

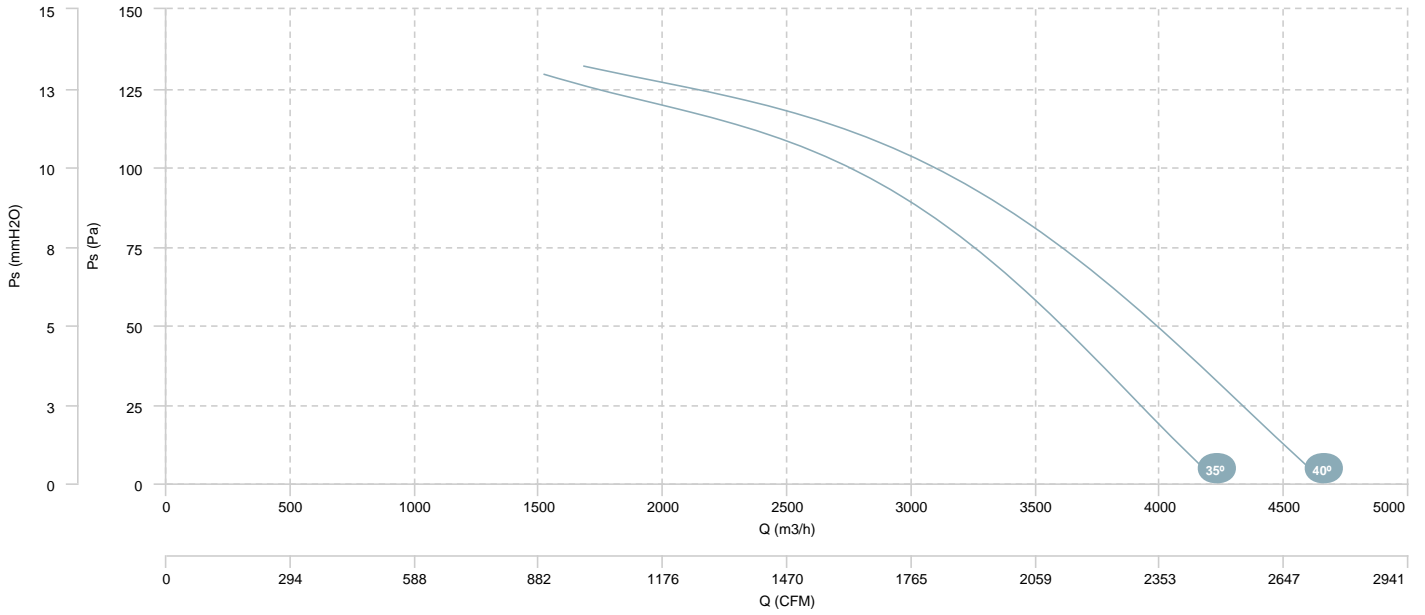


AIR FLOW - MECHANICAL POWER

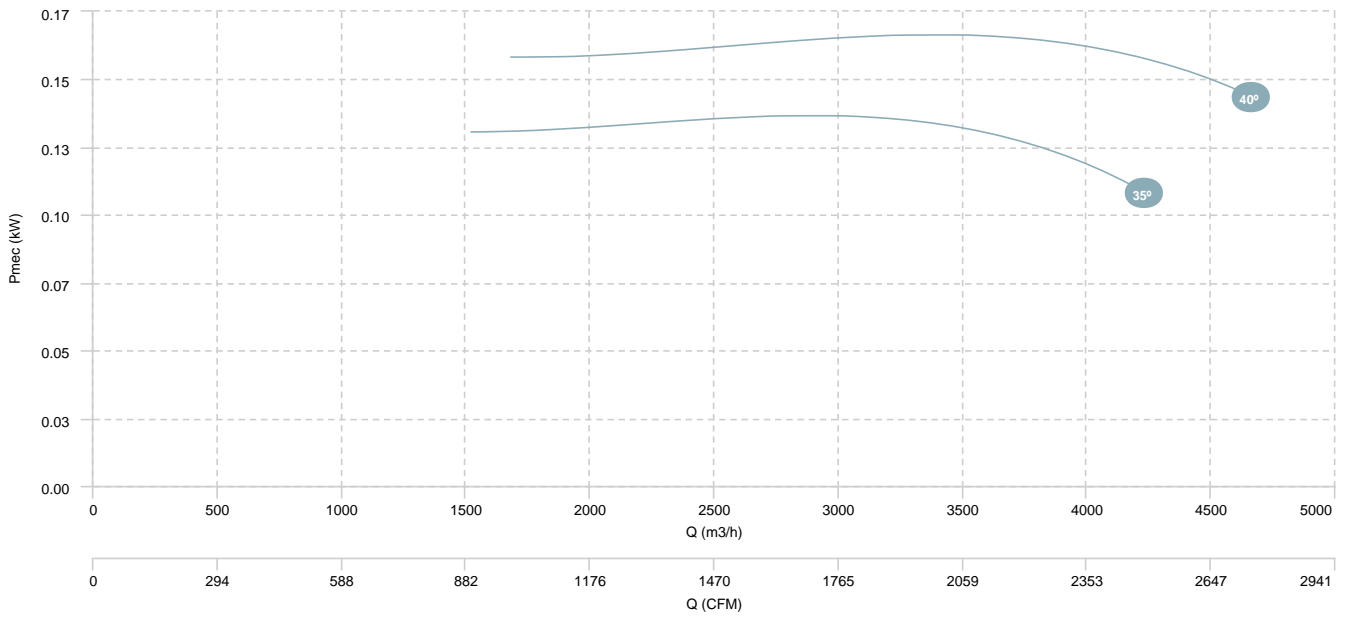


HBA 40 M4 (A0:6)

AIR FLOW - PRESSURE



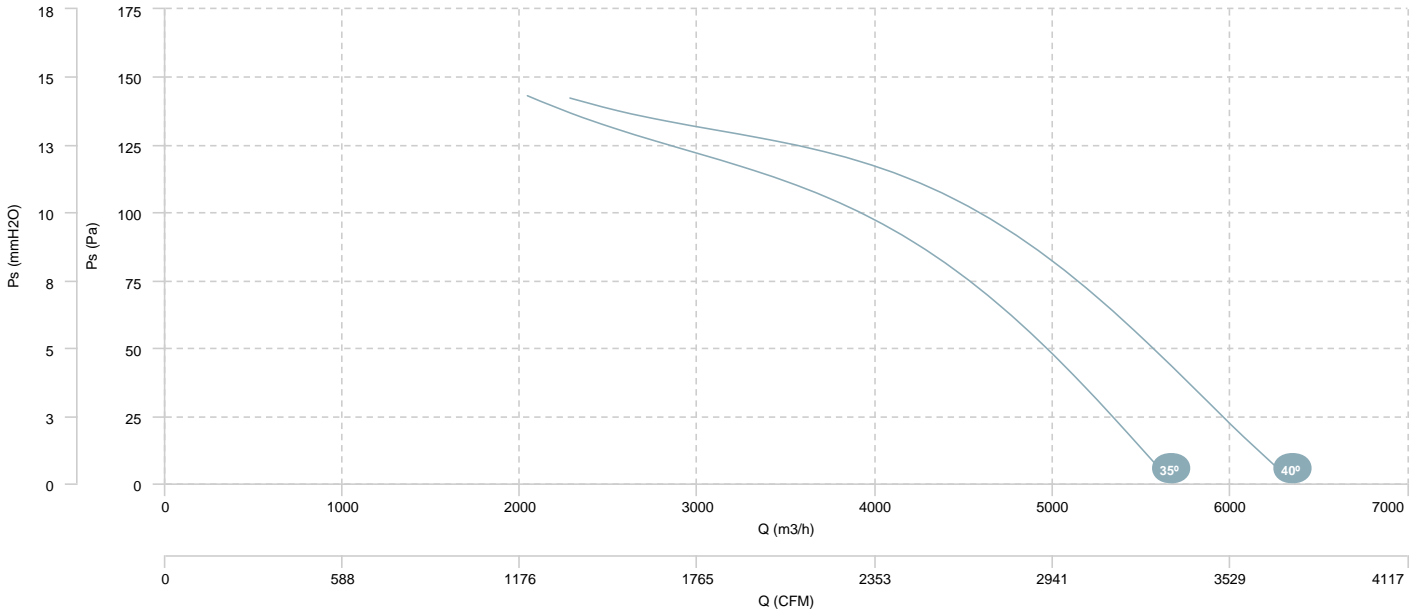
AIR FLOW - MECHANICAL POWER



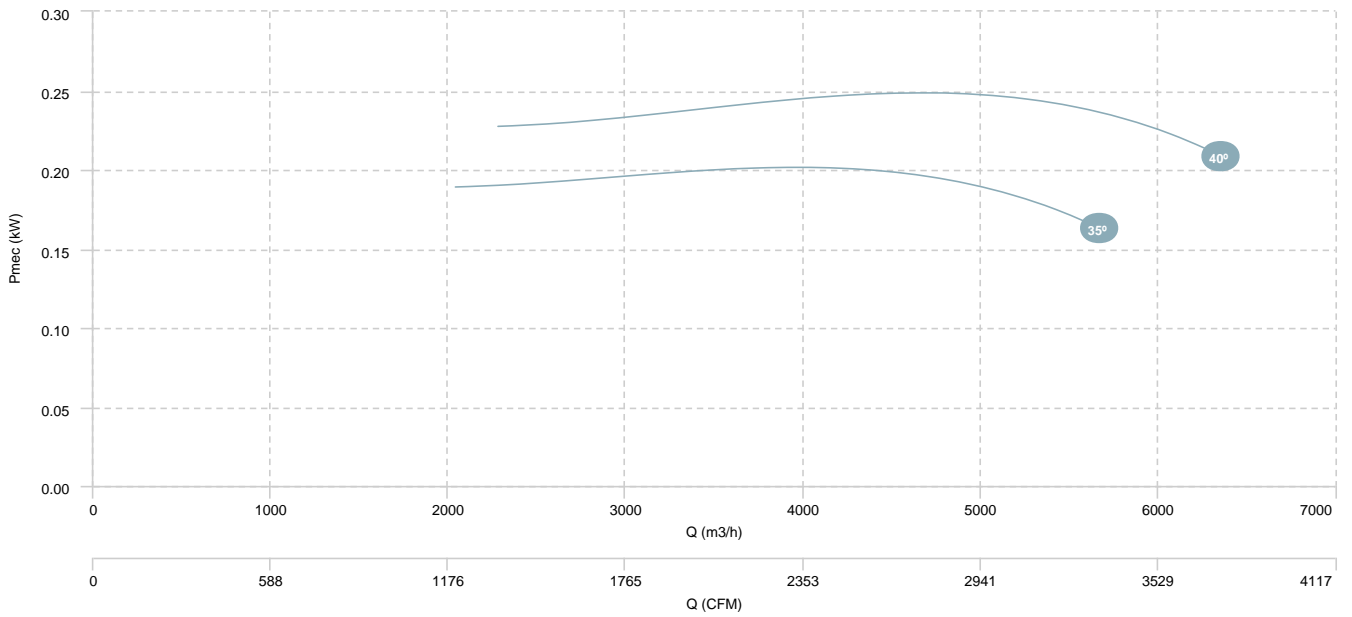


HBA 45 M4 (A0:6)

AIR FLOW - PRESSURE

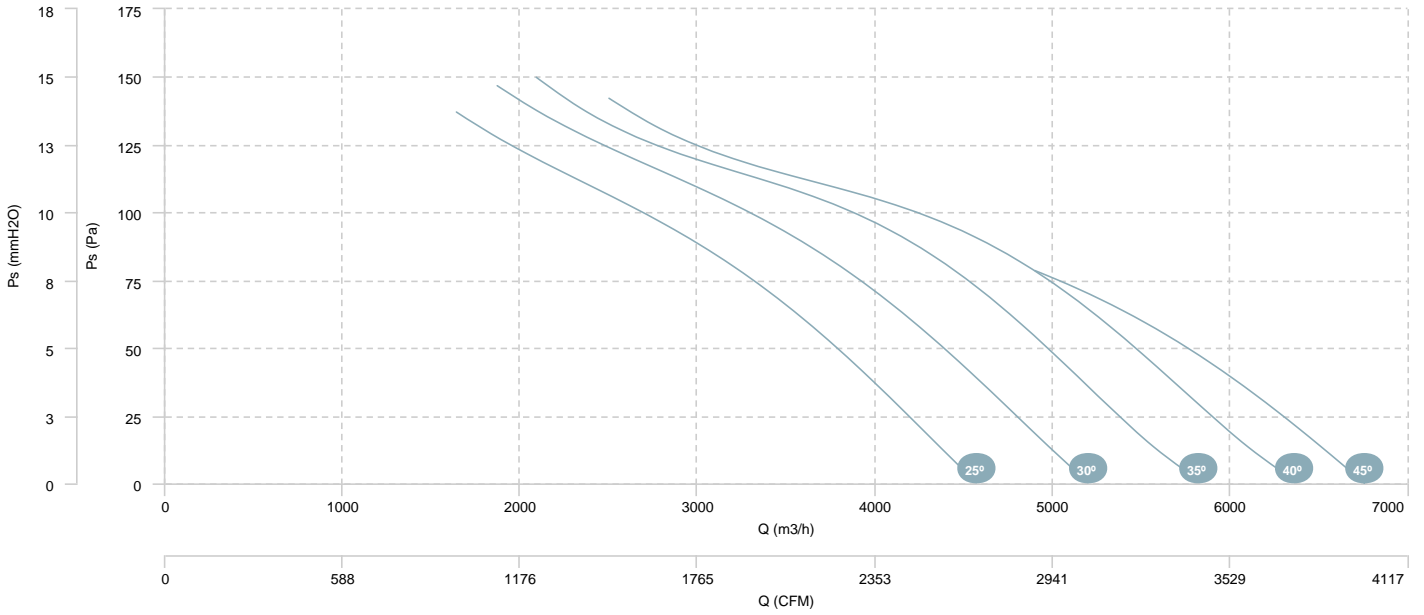


AIR FLOW - MECHANICAL POWER

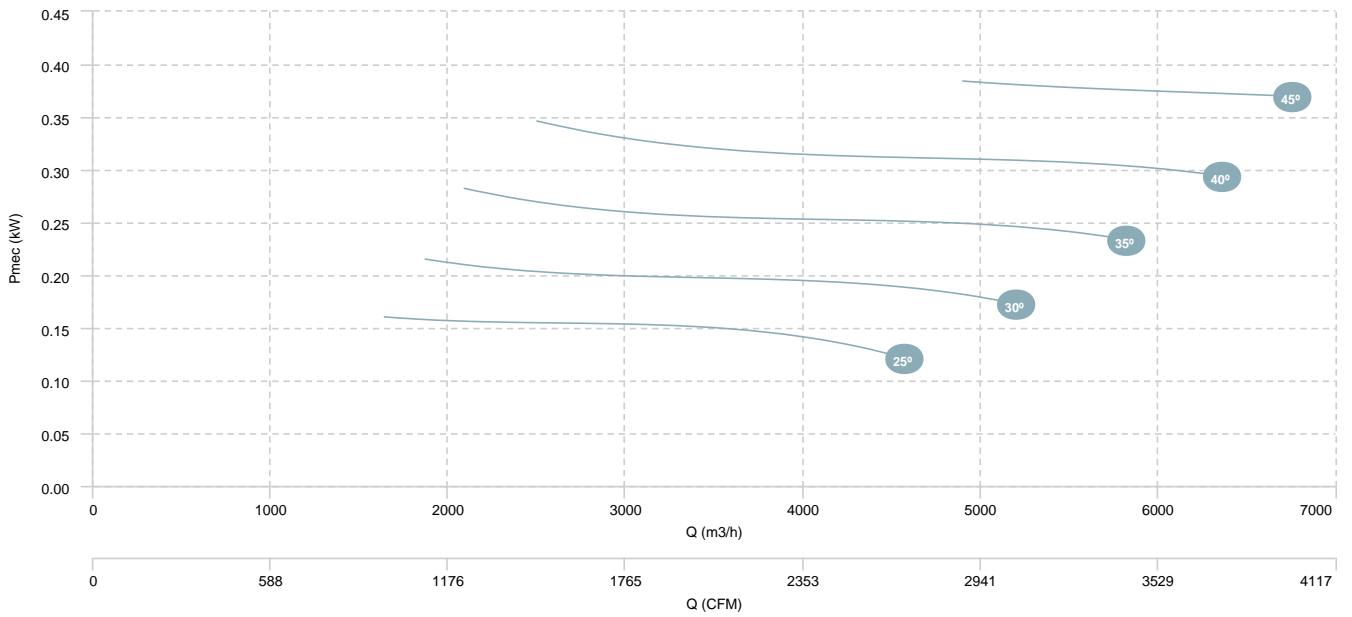


HBA 45 M4 (A5:6)

AIR FLOW - PRESSURE

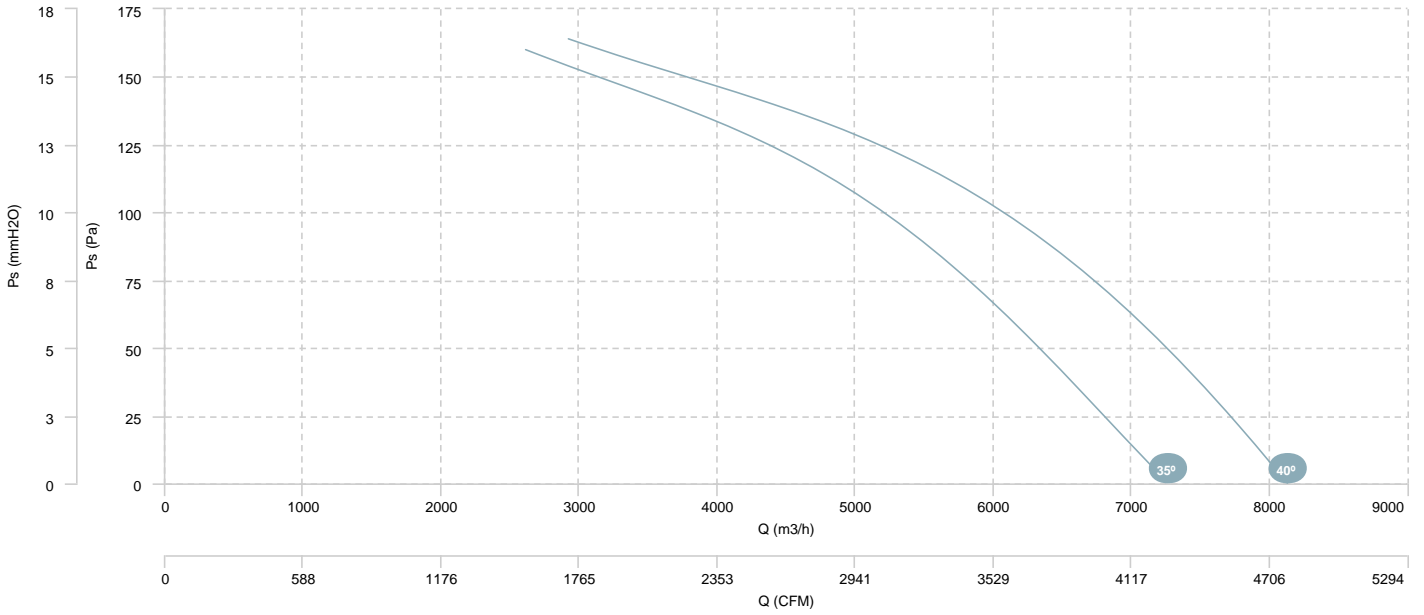


AIR FLOW - MECHANICAL POWER

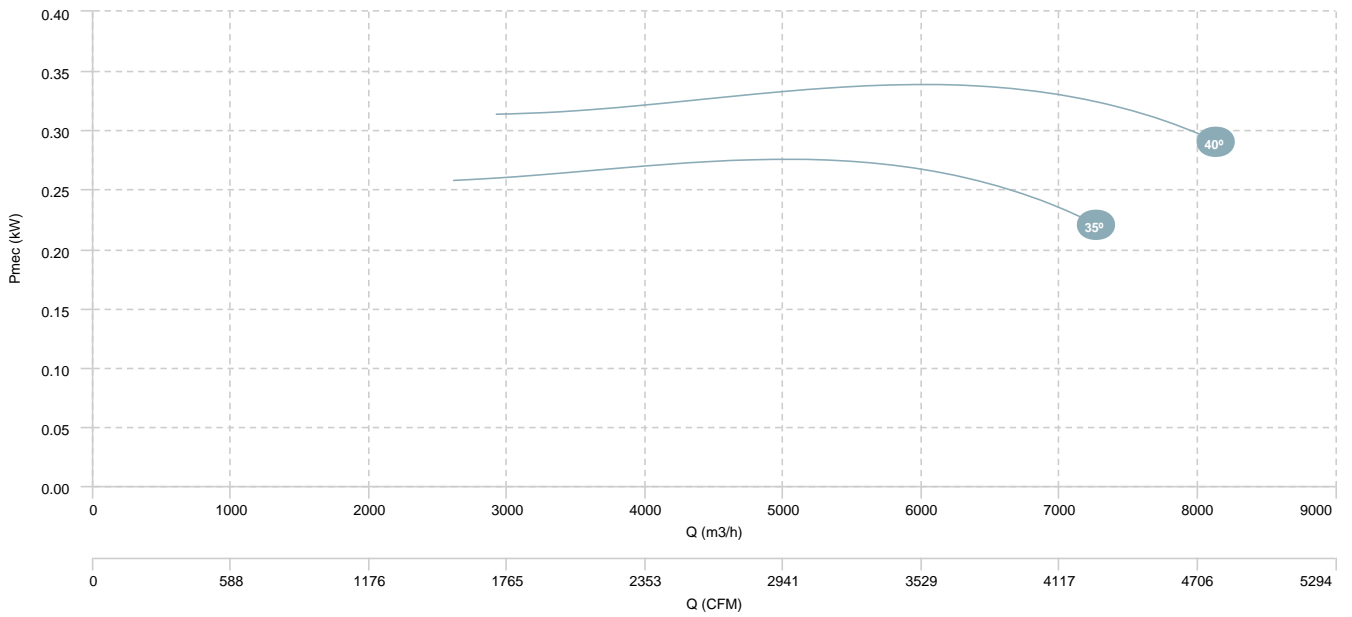


HBA 50 M4 (A0:6)

AIR FLOW - PRESSURE

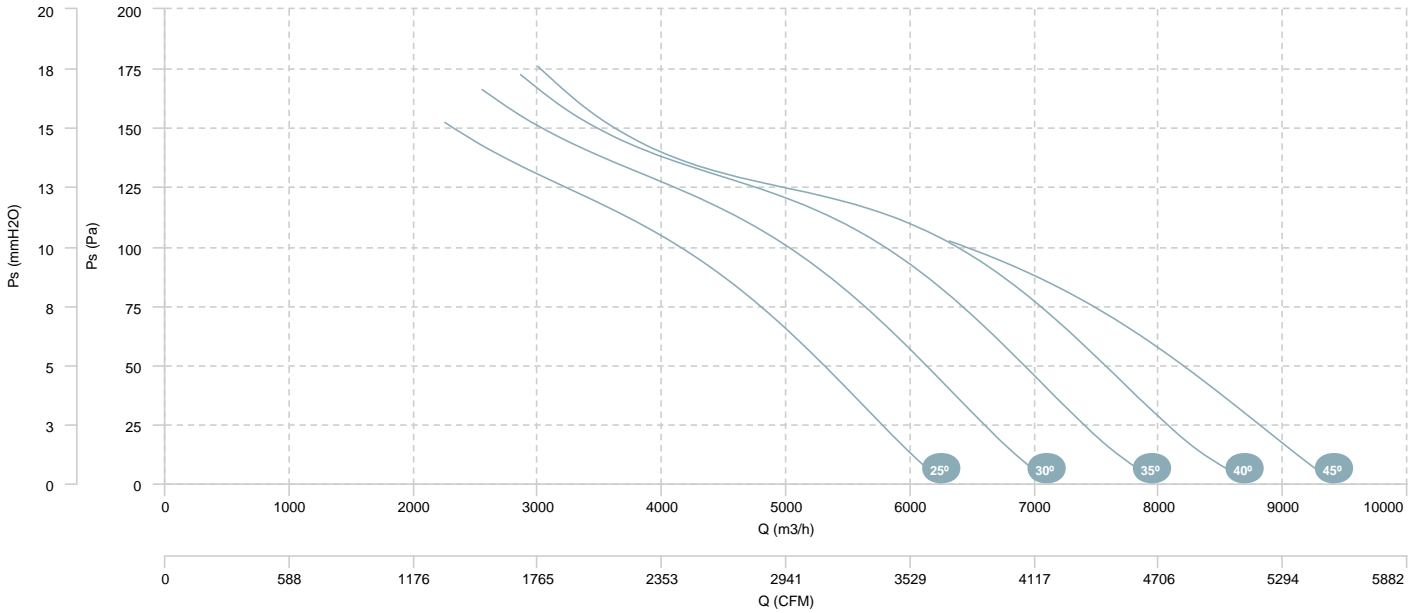


AIR FLOW - MECHANICAL POWER

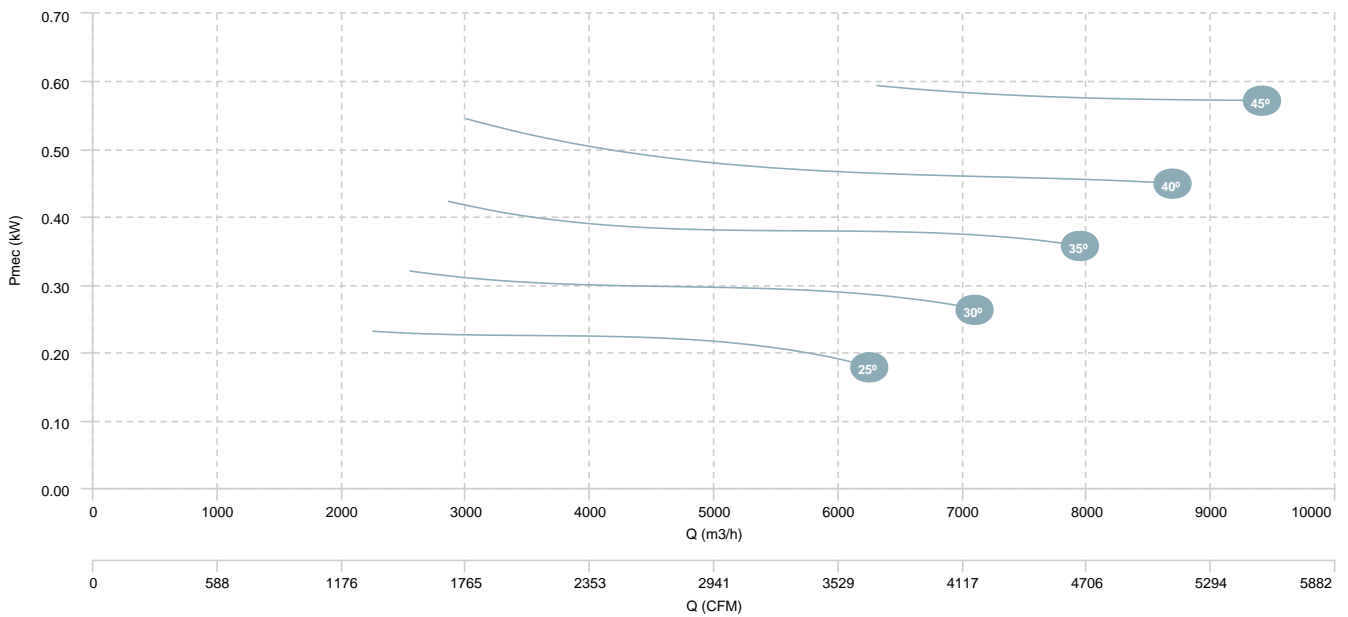


HBA 50 M4 (A5:6)

AIR FLOW - PRESSURE

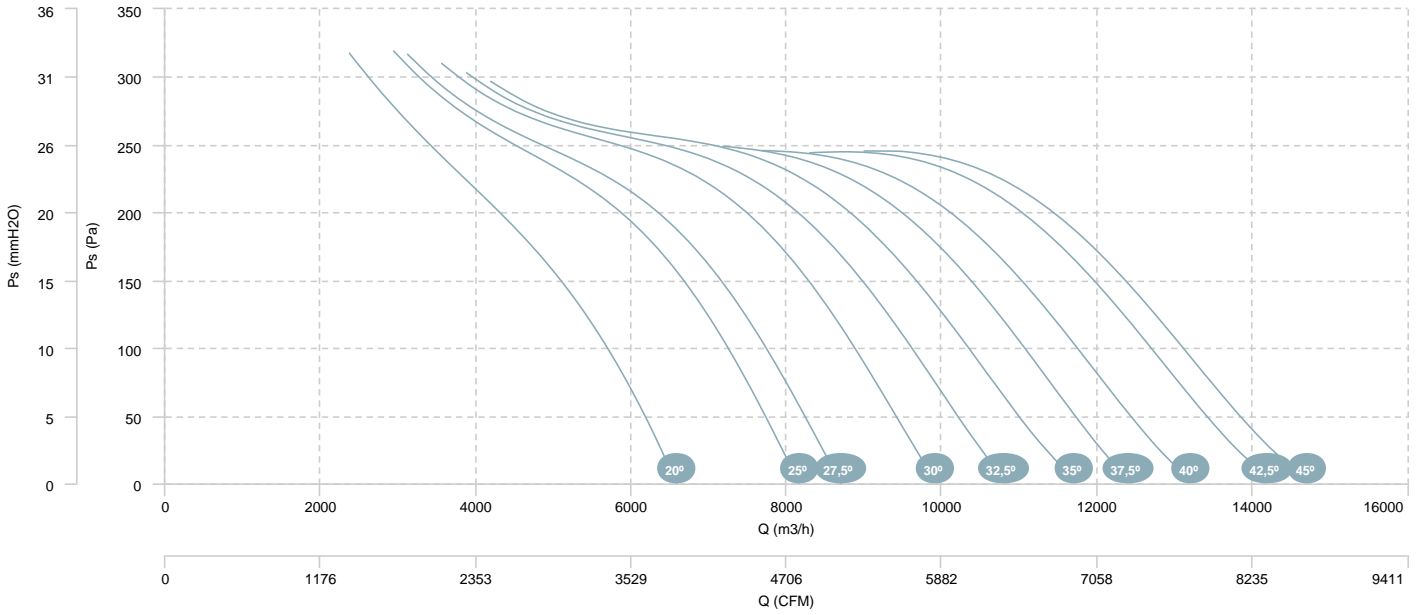


AIR FLOW - MECHANICAL POWER

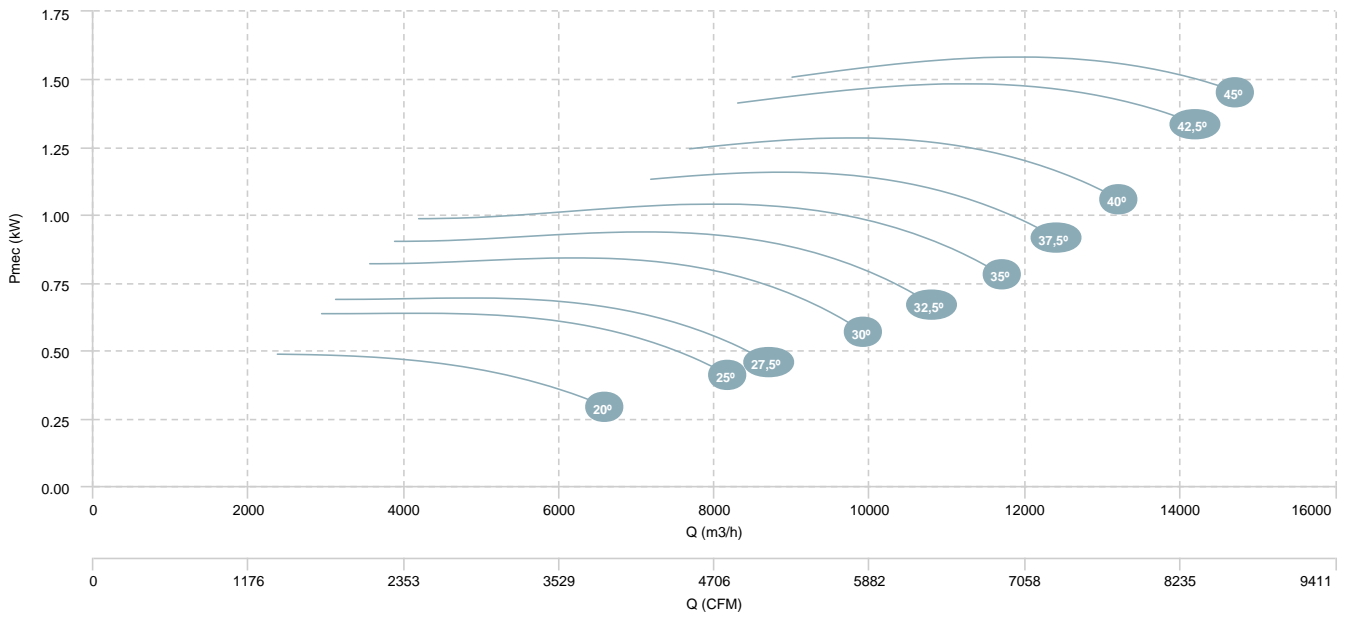


HBA 56 M4 (A2:9)

AIR FLOW - PRESSURE

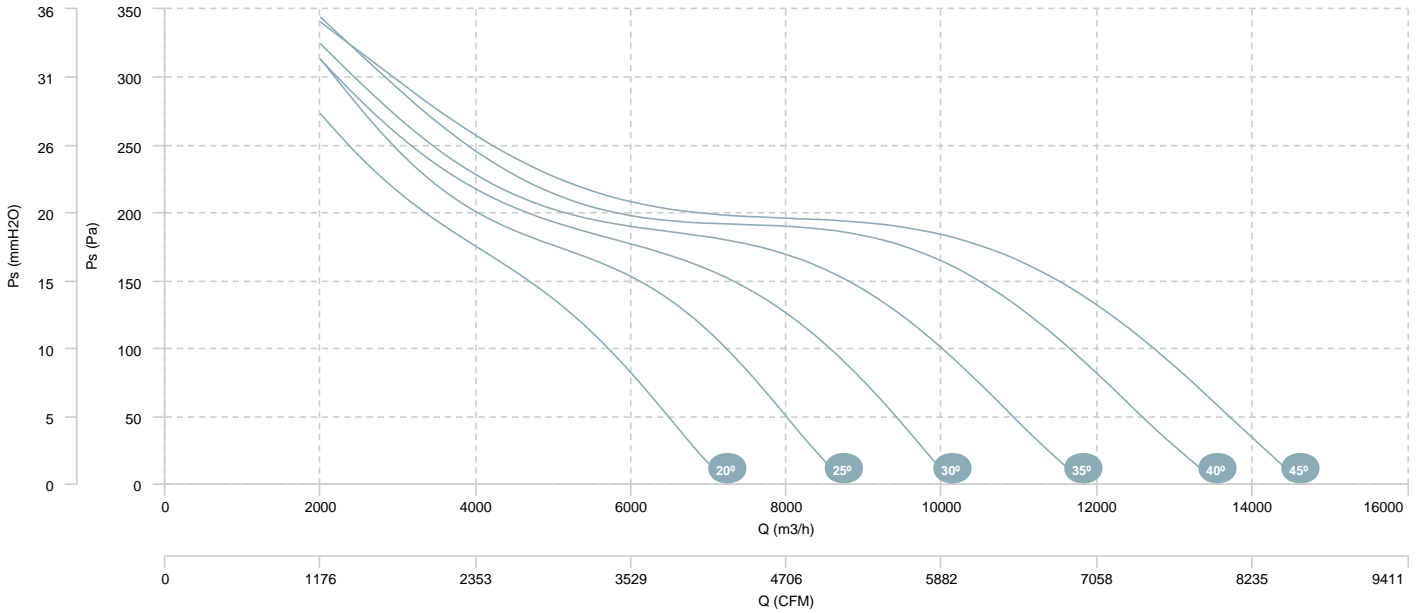


AIR FLOW - MECHANICAL POWER

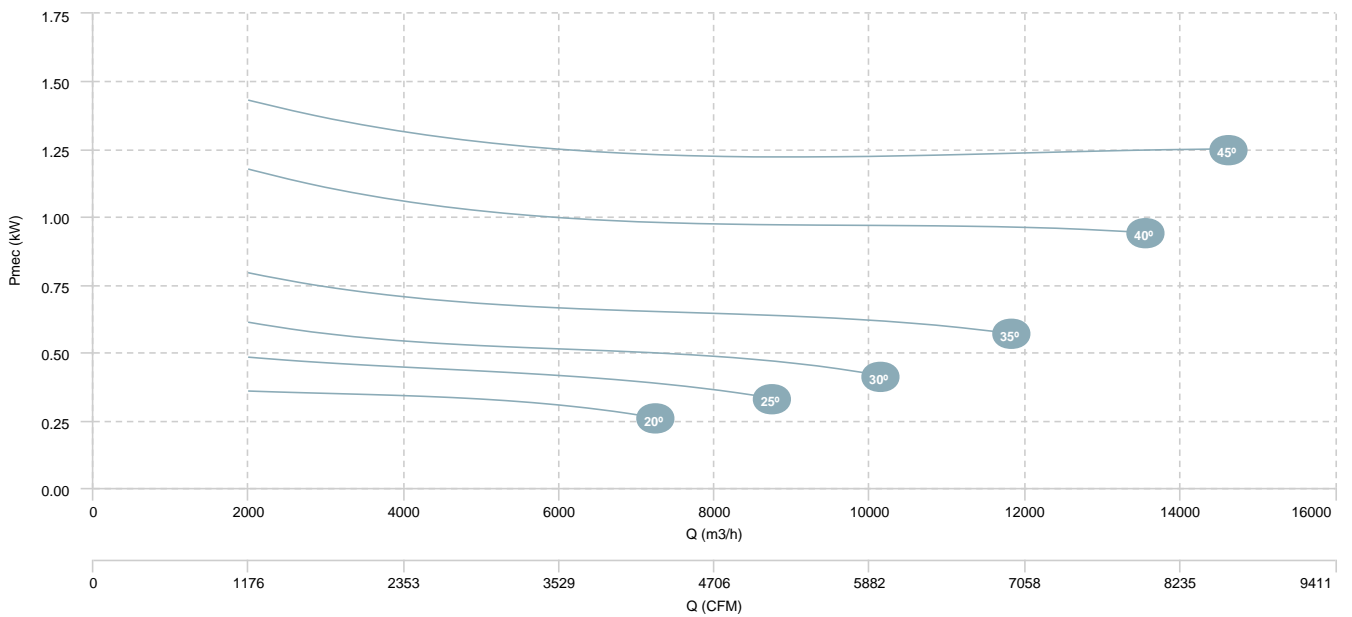


HBA 56 M4 (A5:6)

## AIR FLOW - PRESSURE



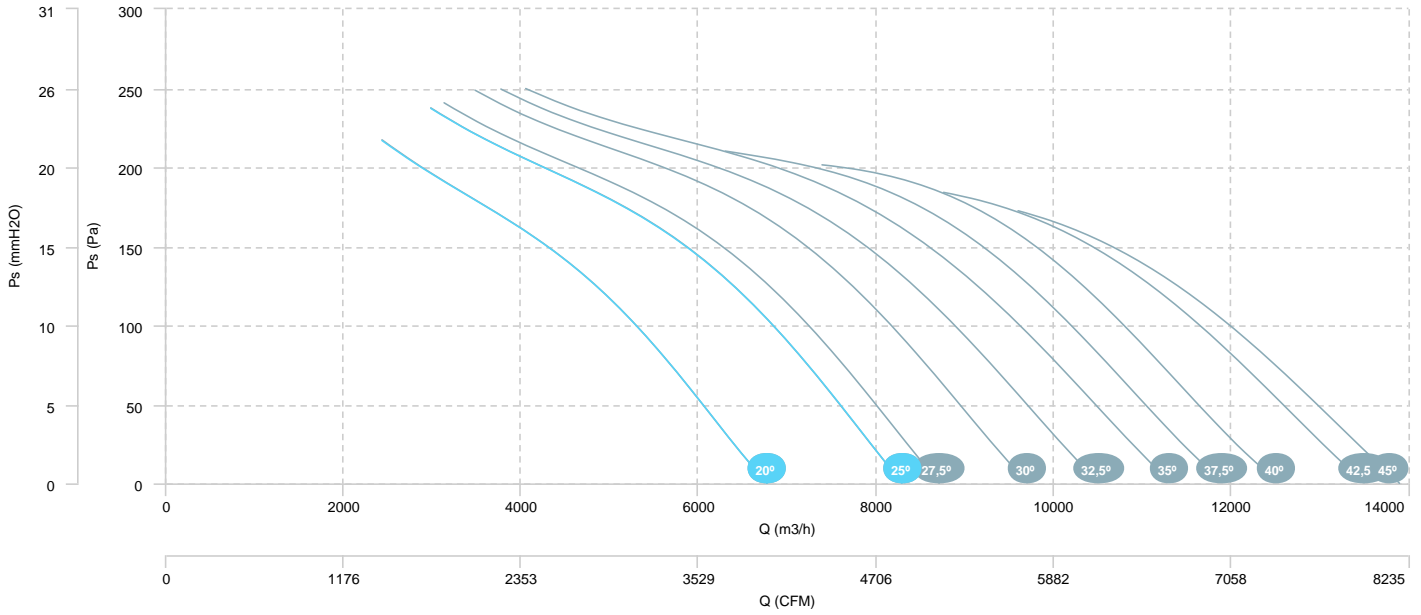
## AIR FLOW - MECHANICAL POWER



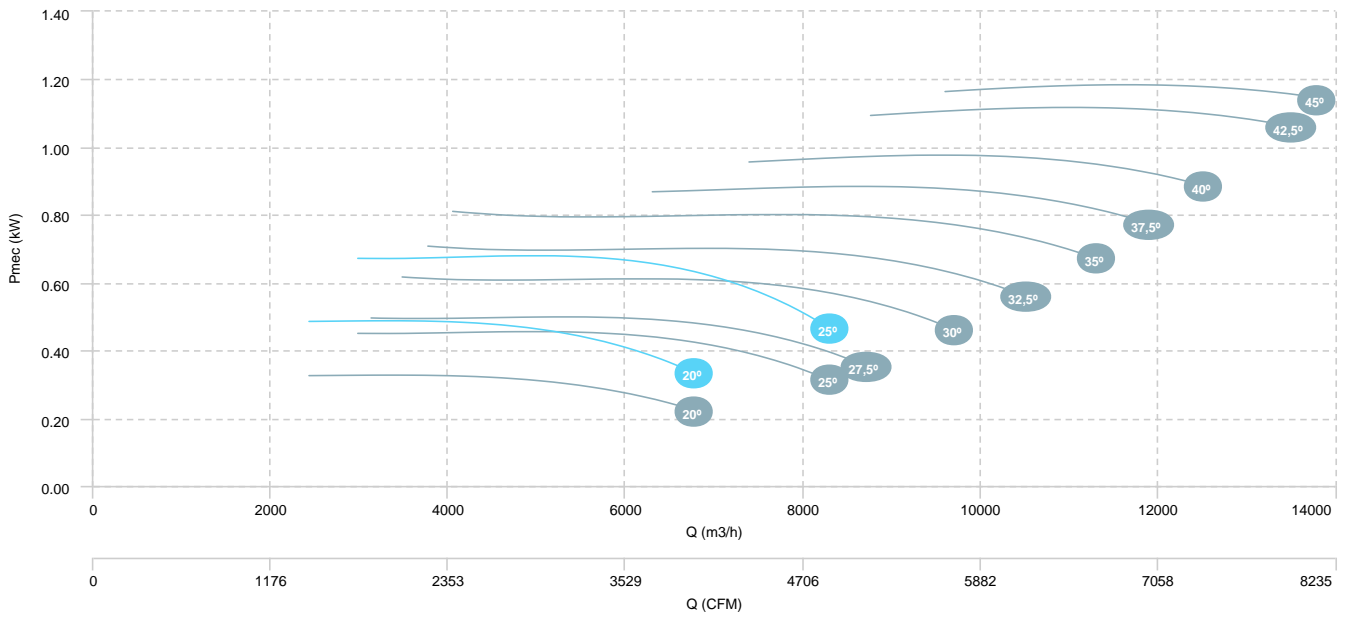
HBA 56 M4 (A2:6)

HBA 56 M4 0,55kW (A2:6)

## AIR FLOW - PRESSURE



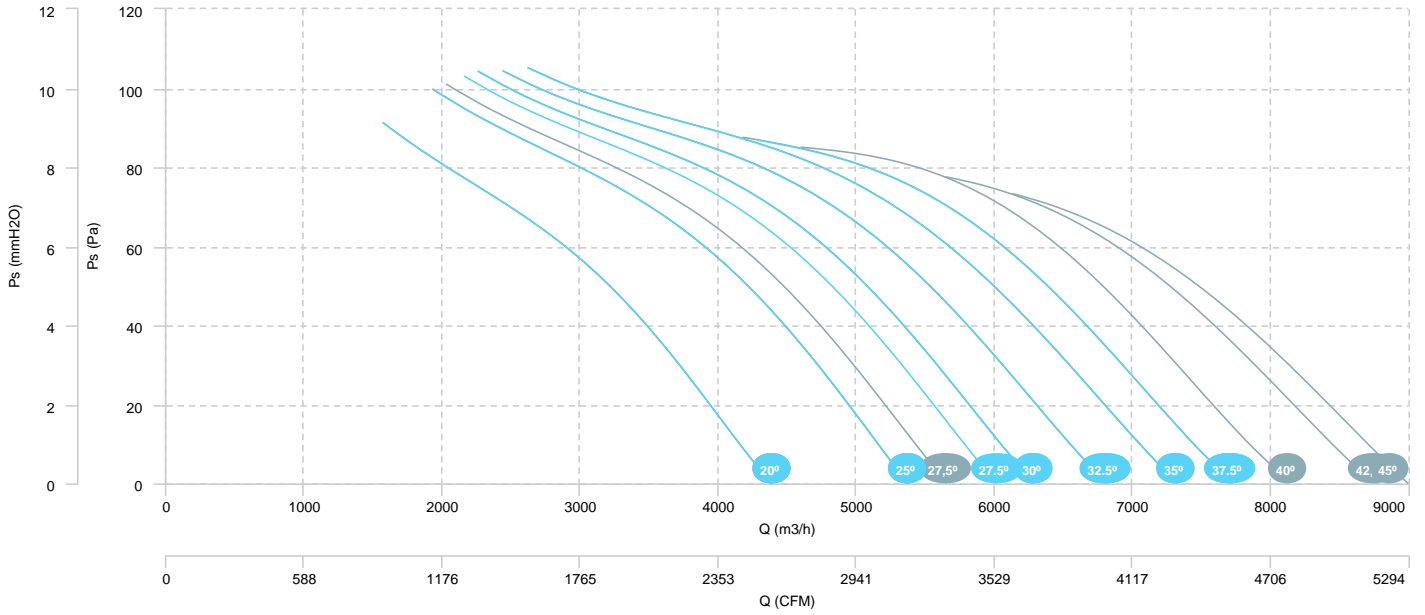
## AIR FLOW - MECHANICAL POWER



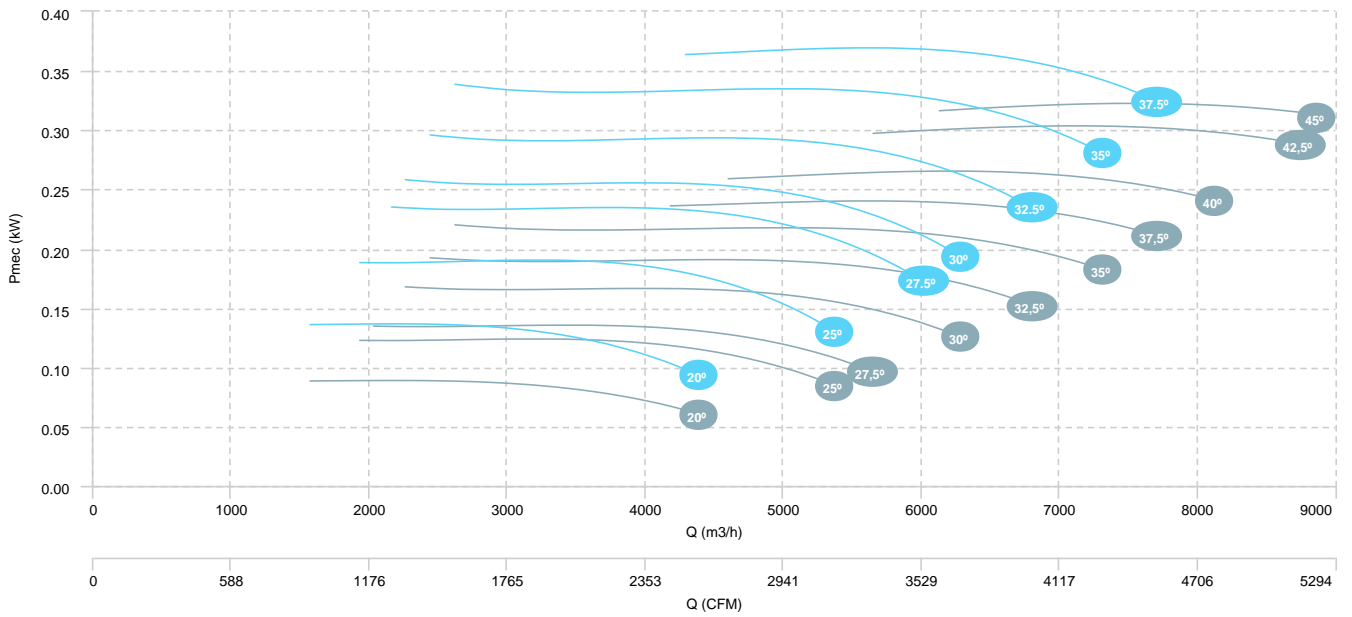
HBA 56 M6 (A2:6)

HBA 56 M6 0,25kW (A2:6)

## AIR FLOW - PRESSURE



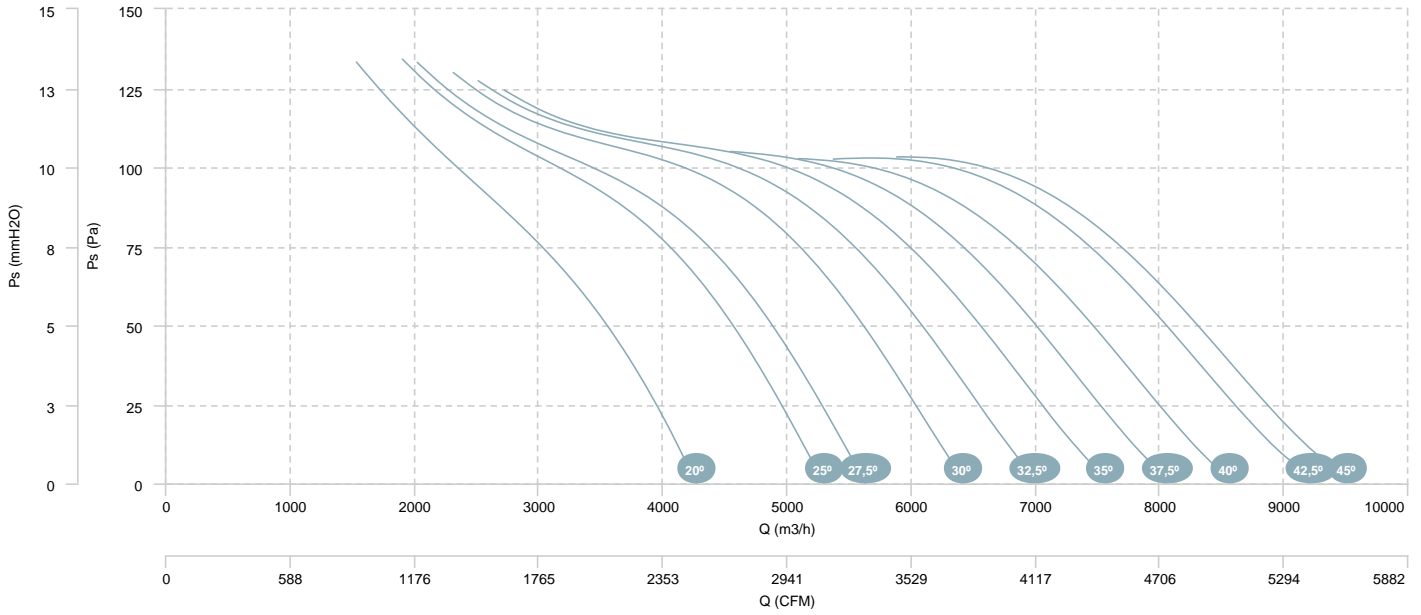
## AIR FLOW - MECHANICAL POWER



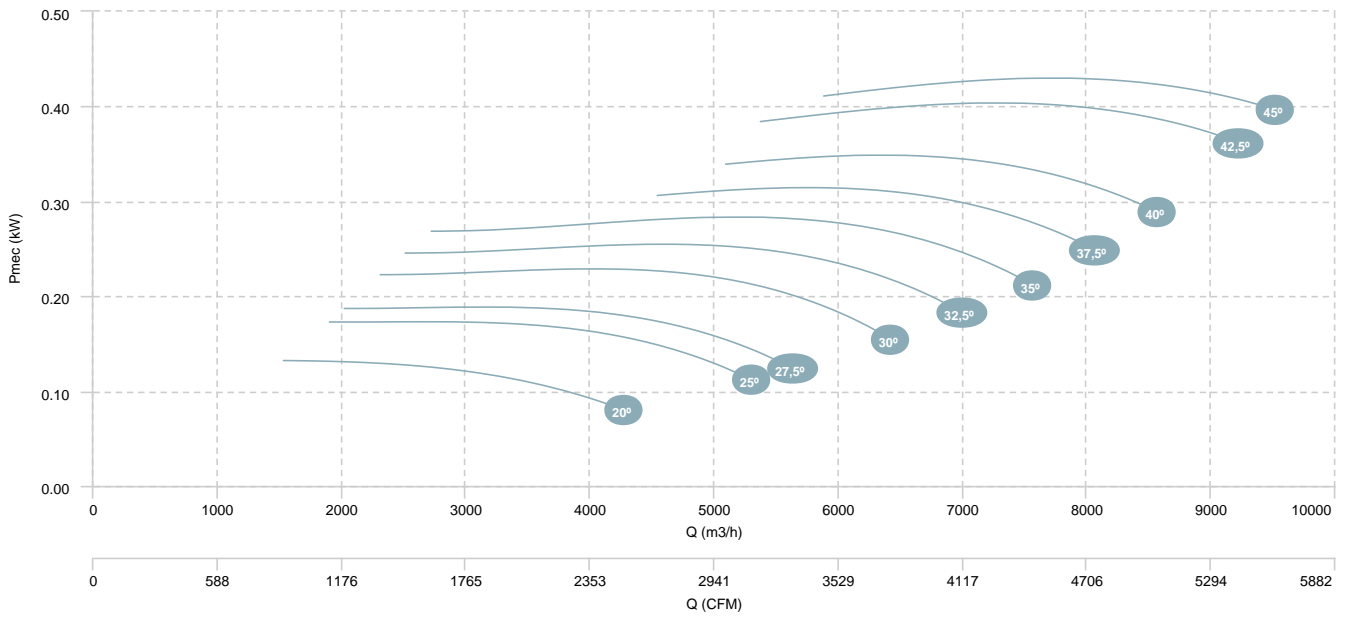


HBA 56 M6 (A2:9)

AIR FLOW - PRESSURE

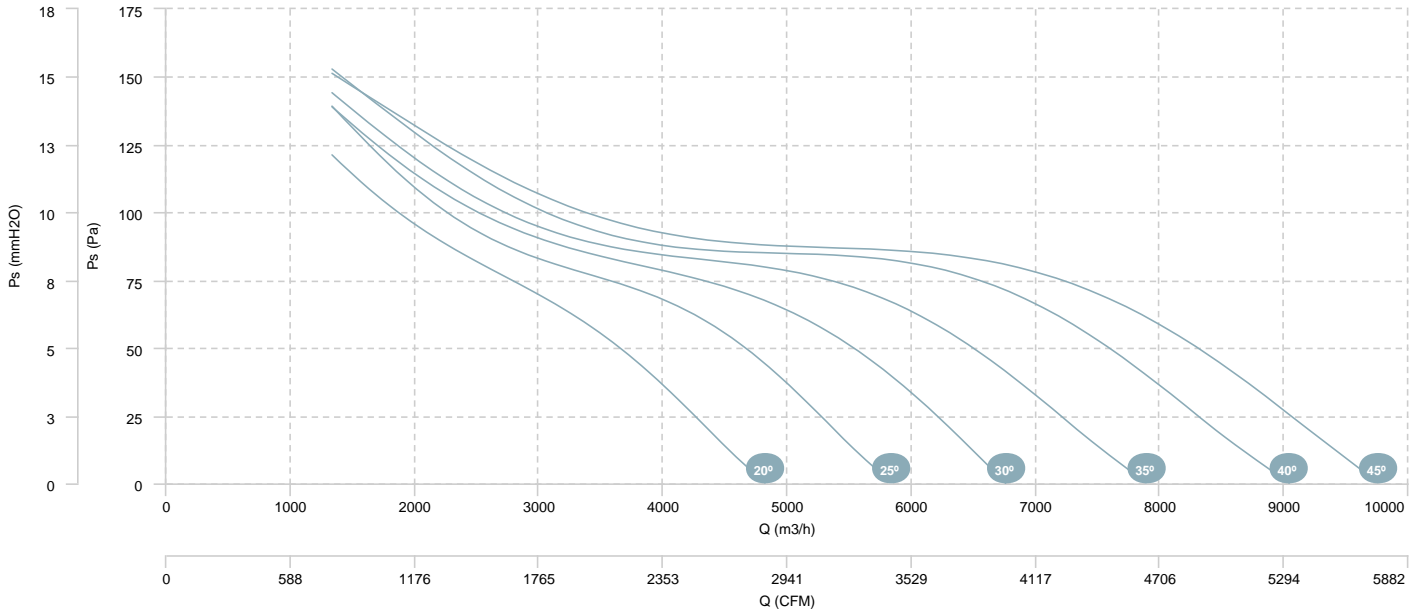


AIR FLOW - MECHANICAL POWER

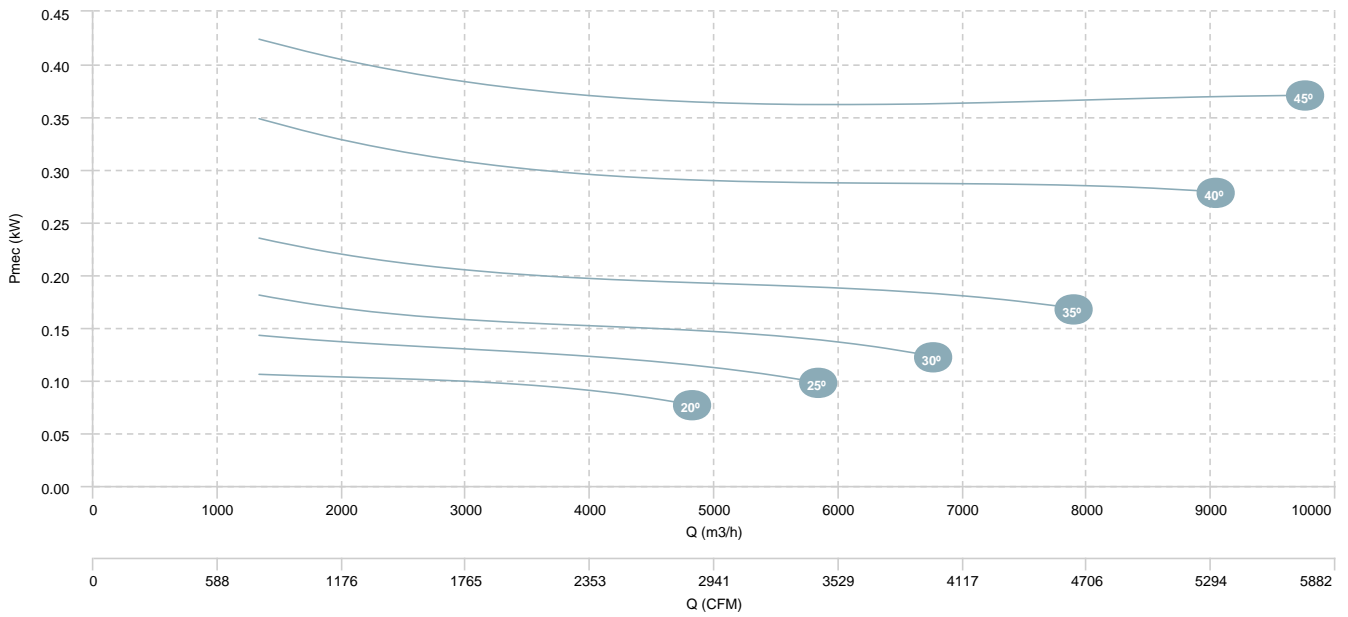


HBA 56 M6 (A5:6)

## AIR FLOW - PRESSURE

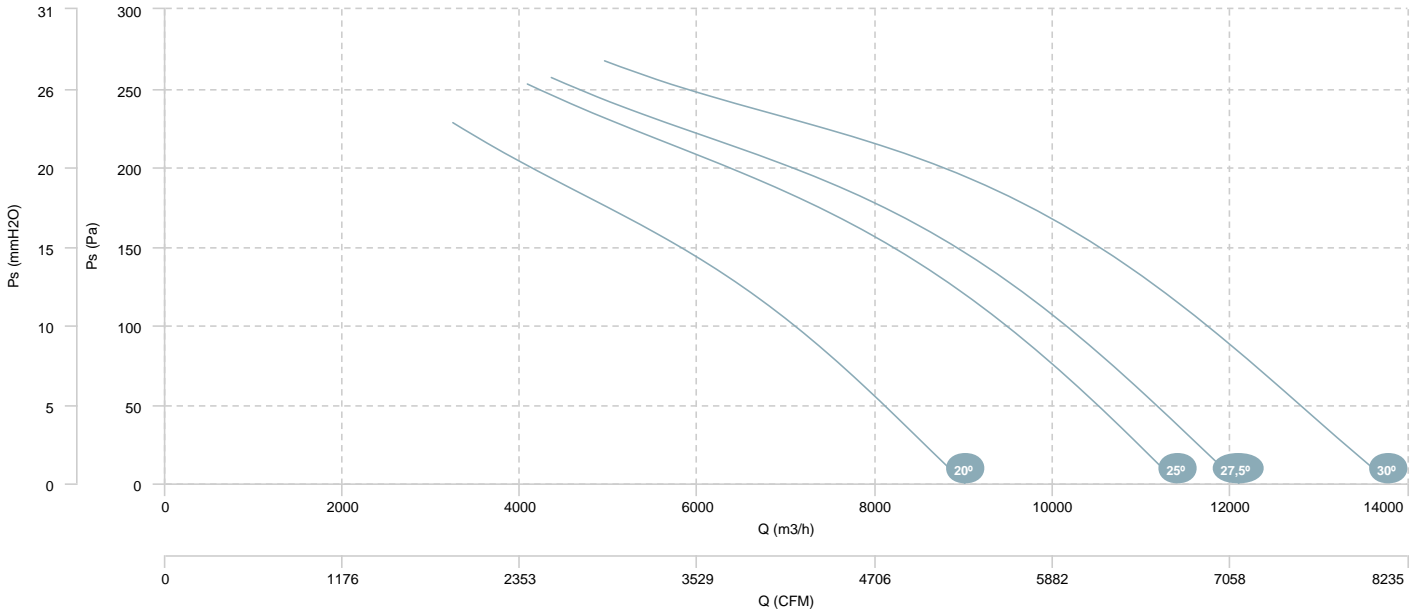


## AIR FLOW - MECHANICAL POWER

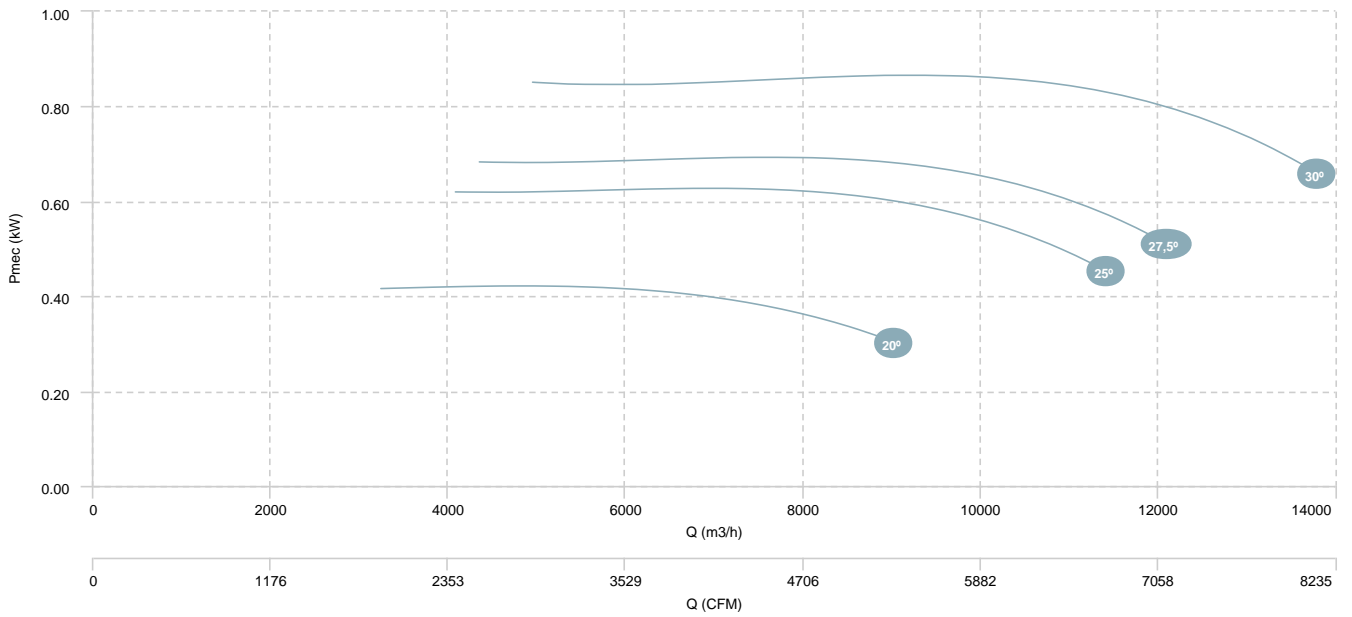


HBA 63 M4 (A2:6)

## AIR FLOW - PRESSURE

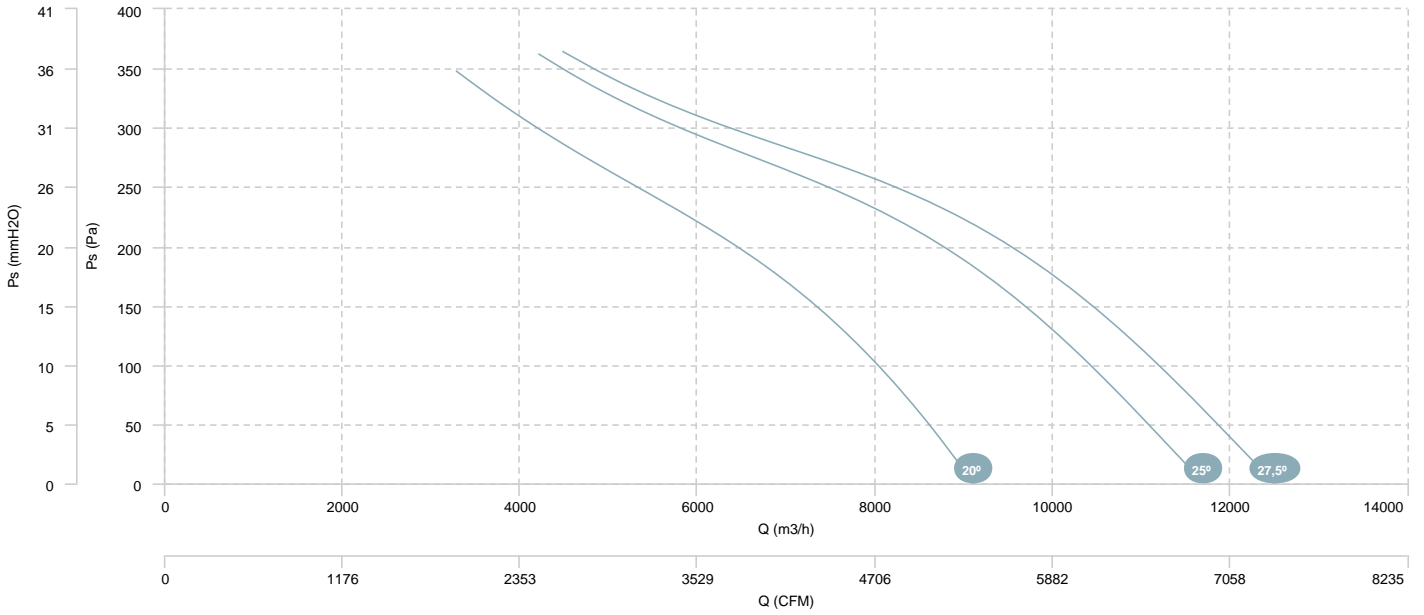


## AIR FLOW - MECHANICAL POWER

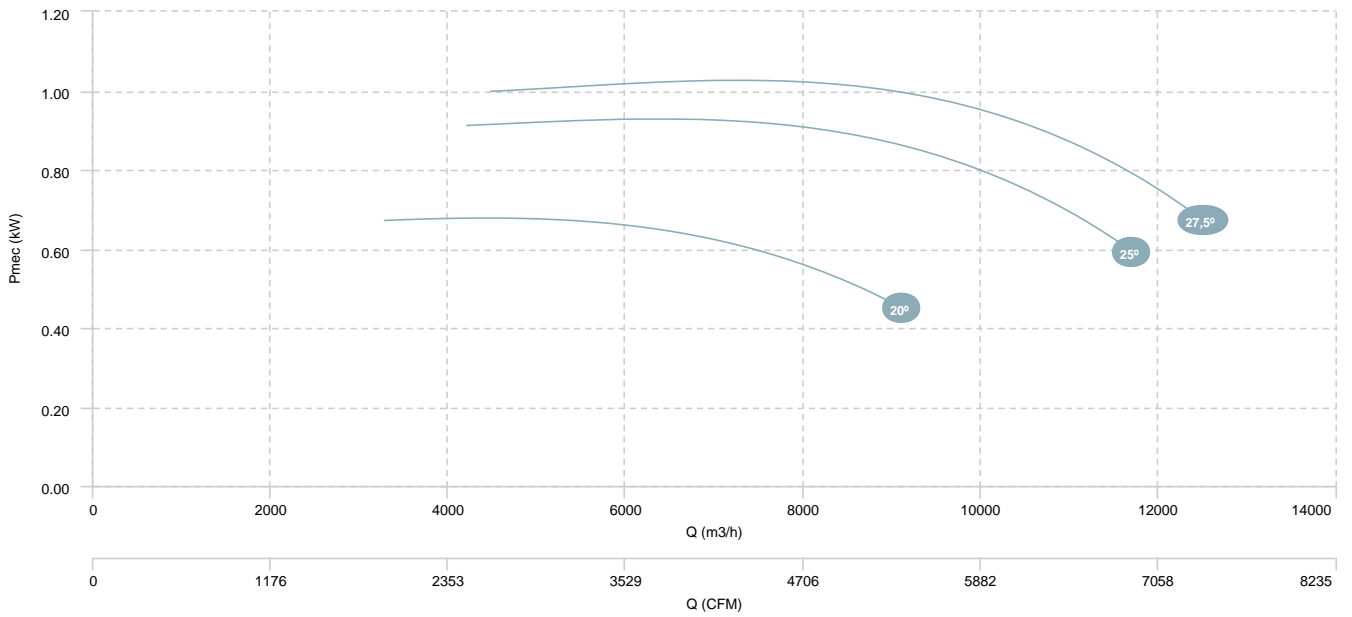


HBA 63 M4 (A2:9)

AIR FLOW - PRESSURE

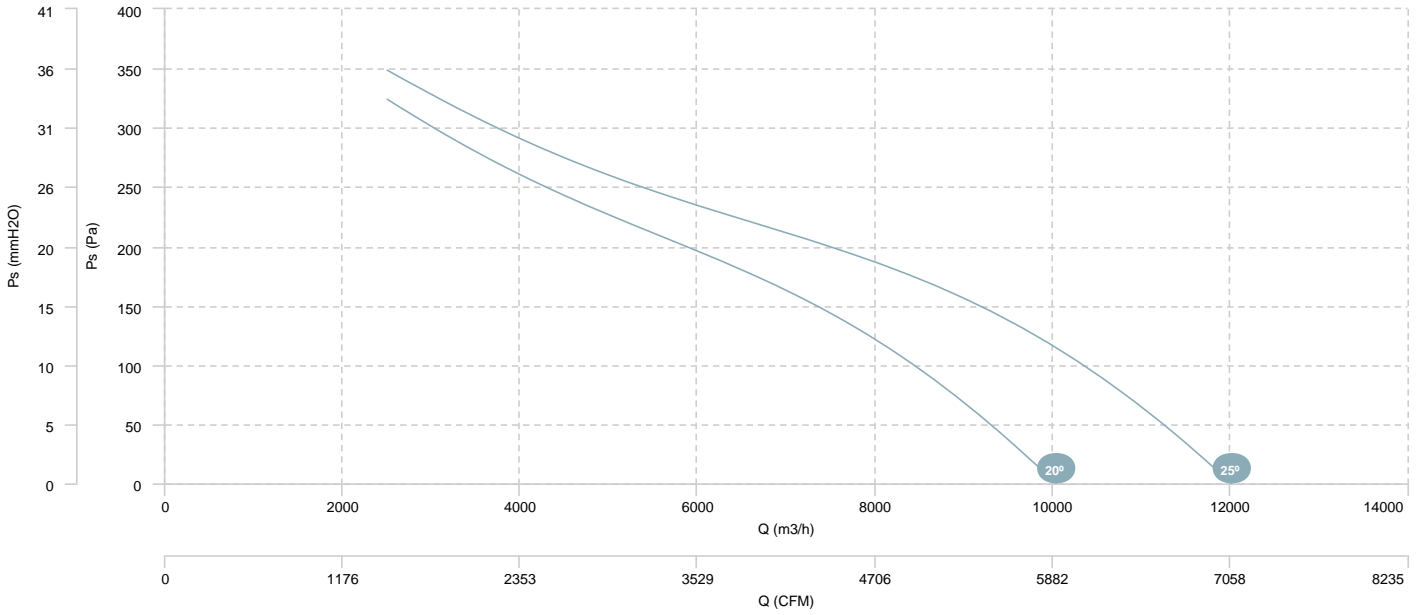


AIR FLOW - MECHANICAL POWER

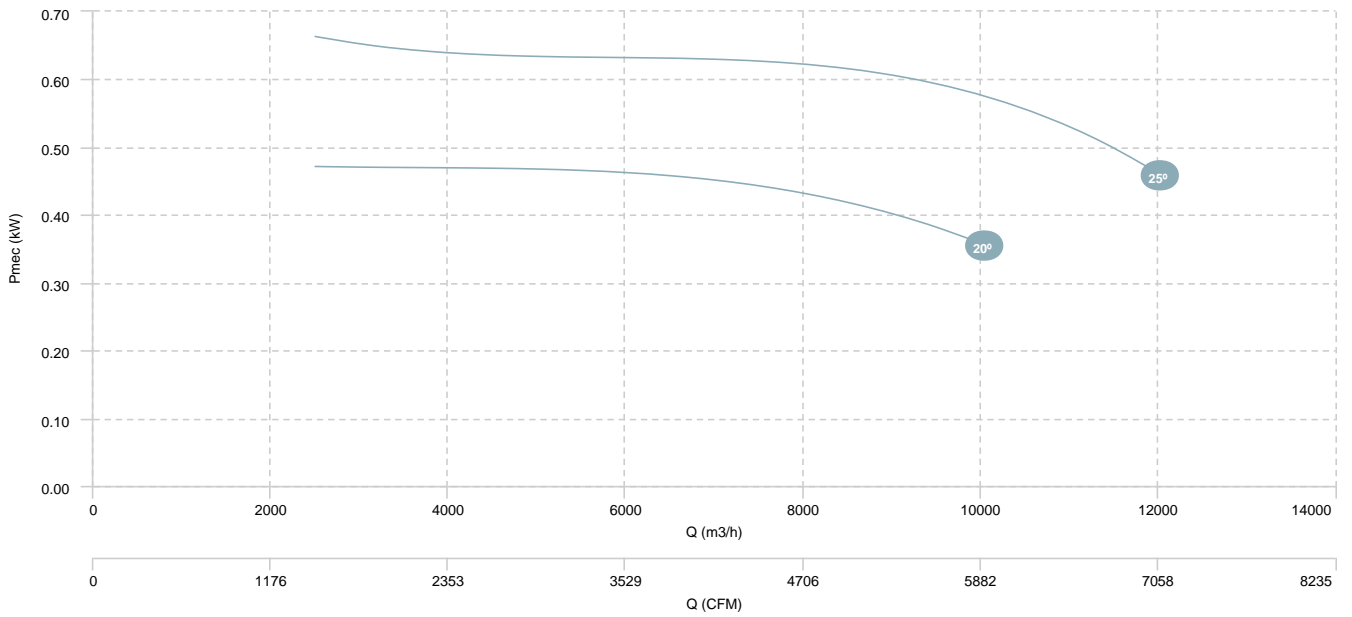


HBA 63 M4 (A5:6)

AIR FLOW - PRESSURE

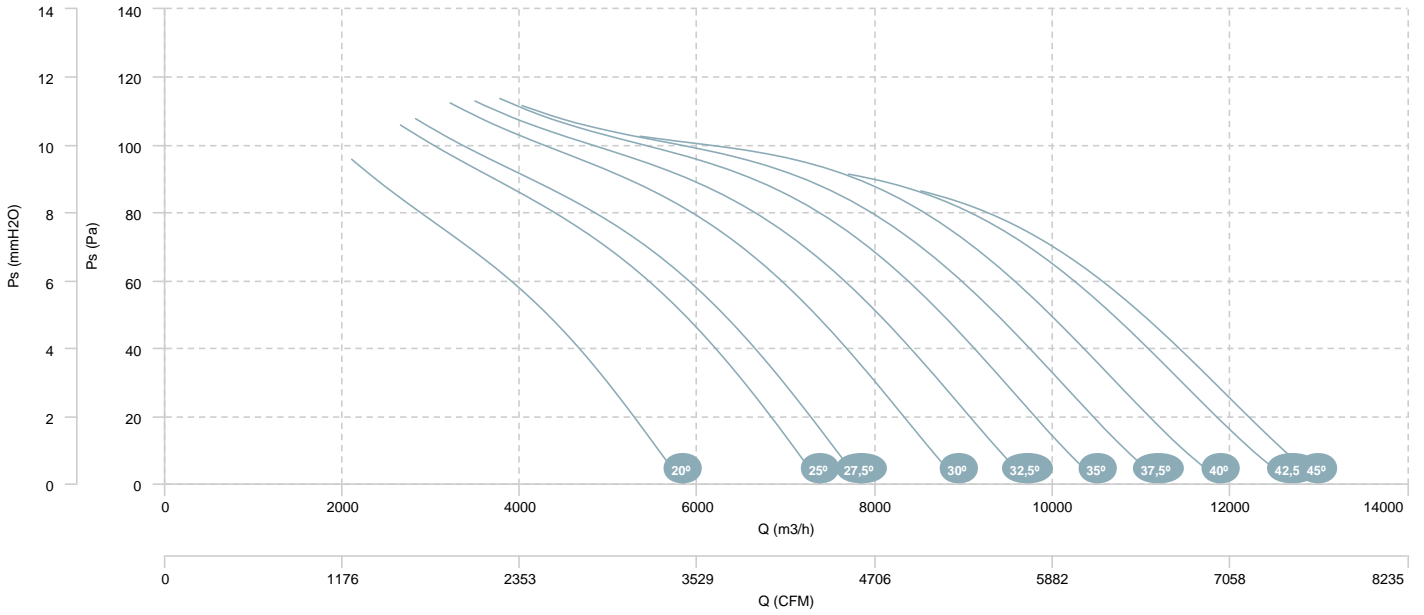


AIR FLOW - MECHANICAL POWER

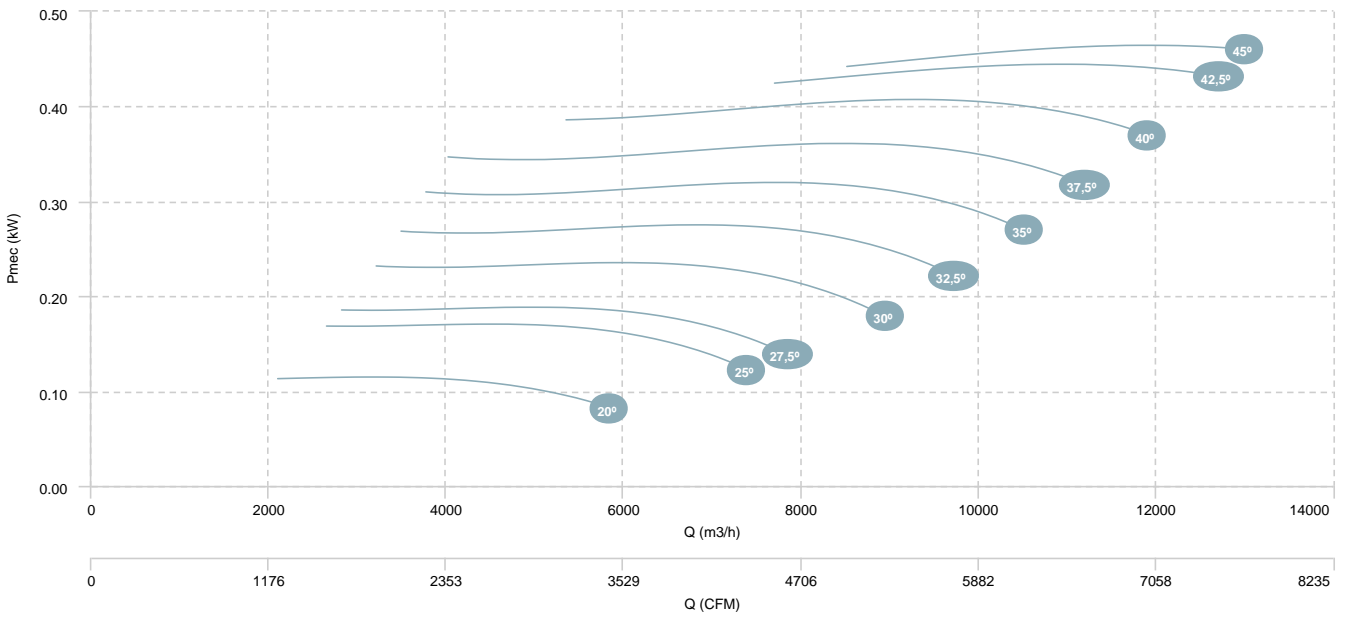


HBA 63 M6 (A2:6)

AIR FLOW - PRESSURE

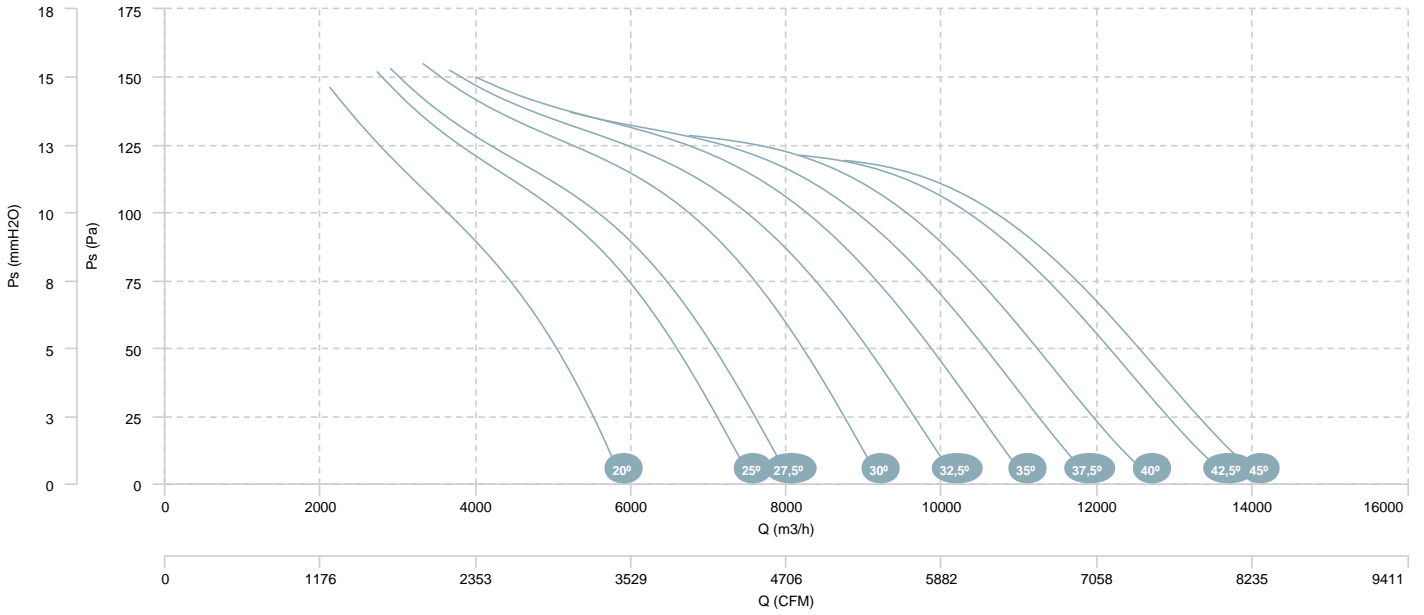


AIR FLOW - MECHANICAL POWER

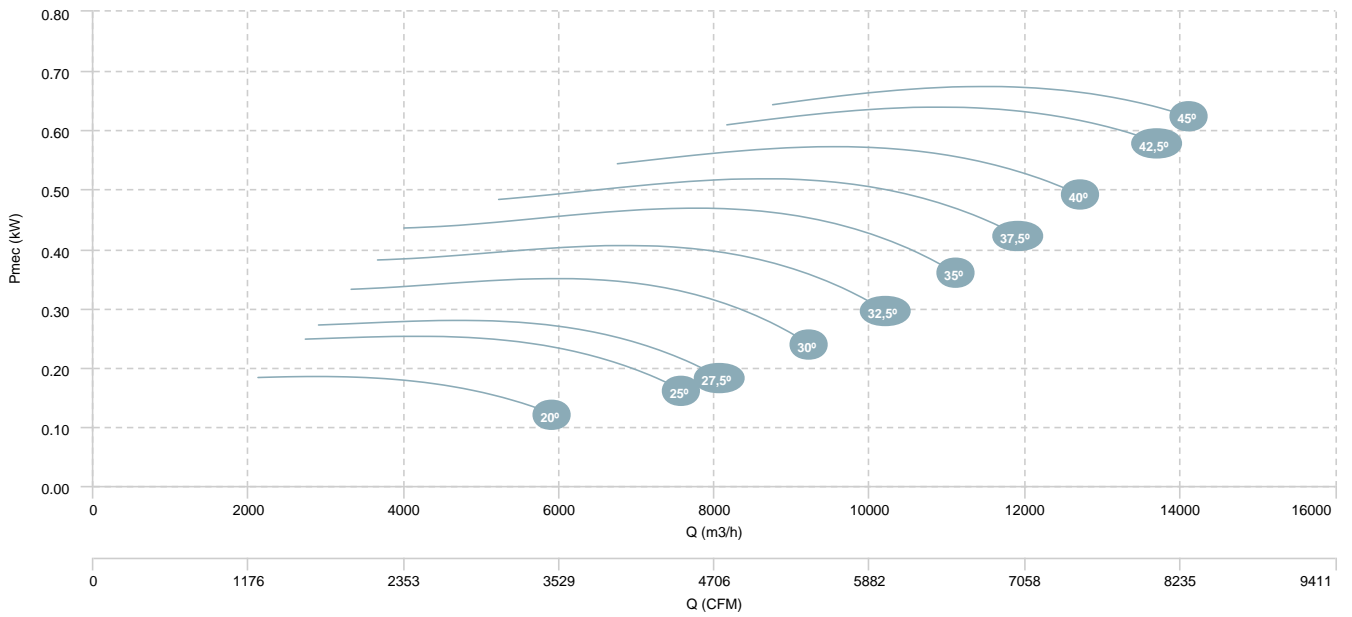


HBA 63 M6 (A2:9)

## AIR FLOW - PRESSURE

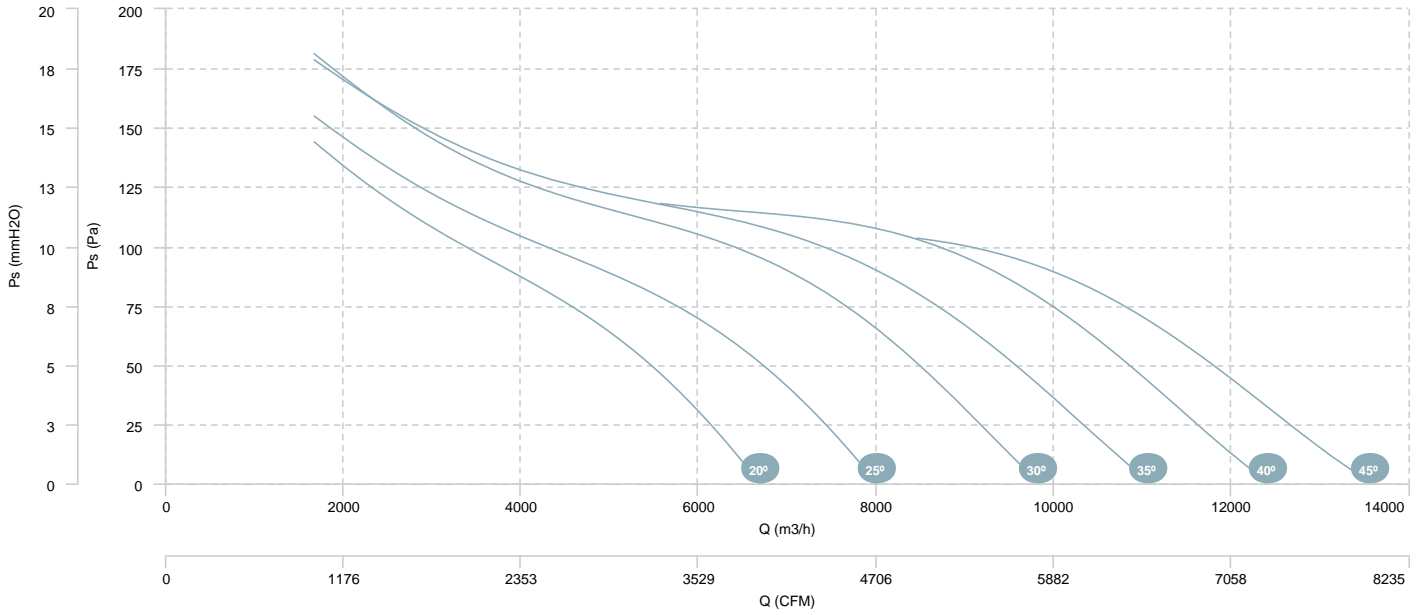


## AIR FLOW - MECHANICAL POWER

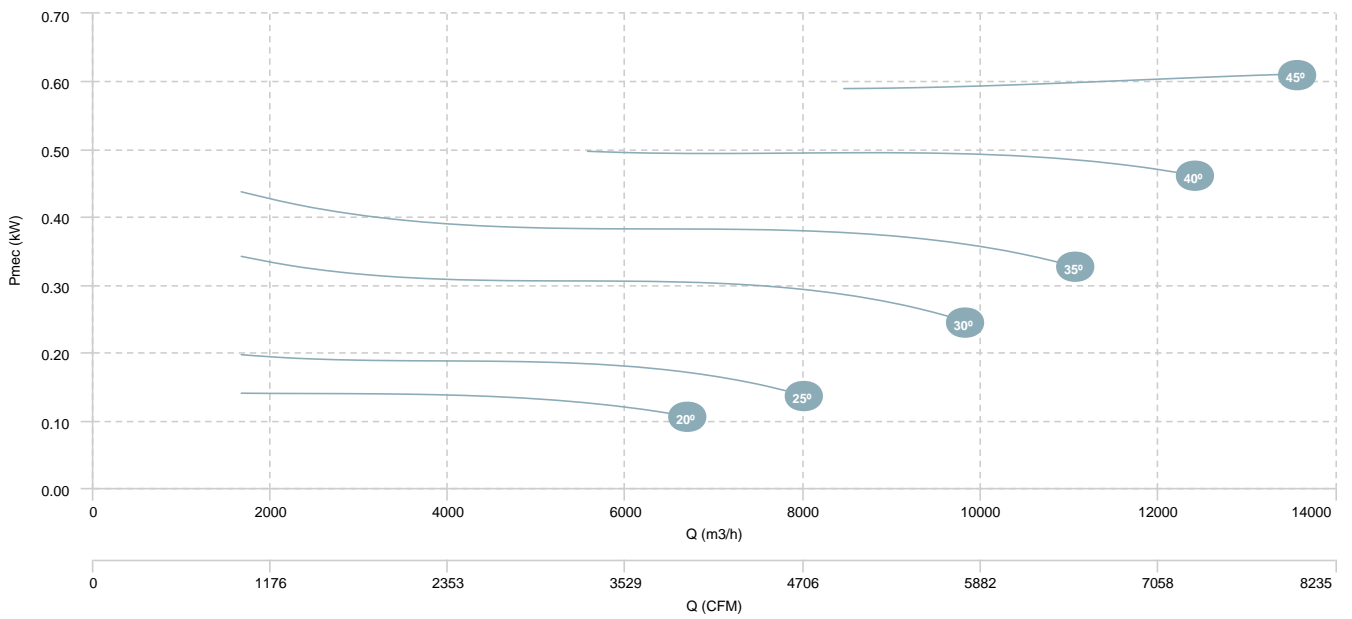


HBA 63 M6 (A5:6)

## AIR FLOW - PRESSURE



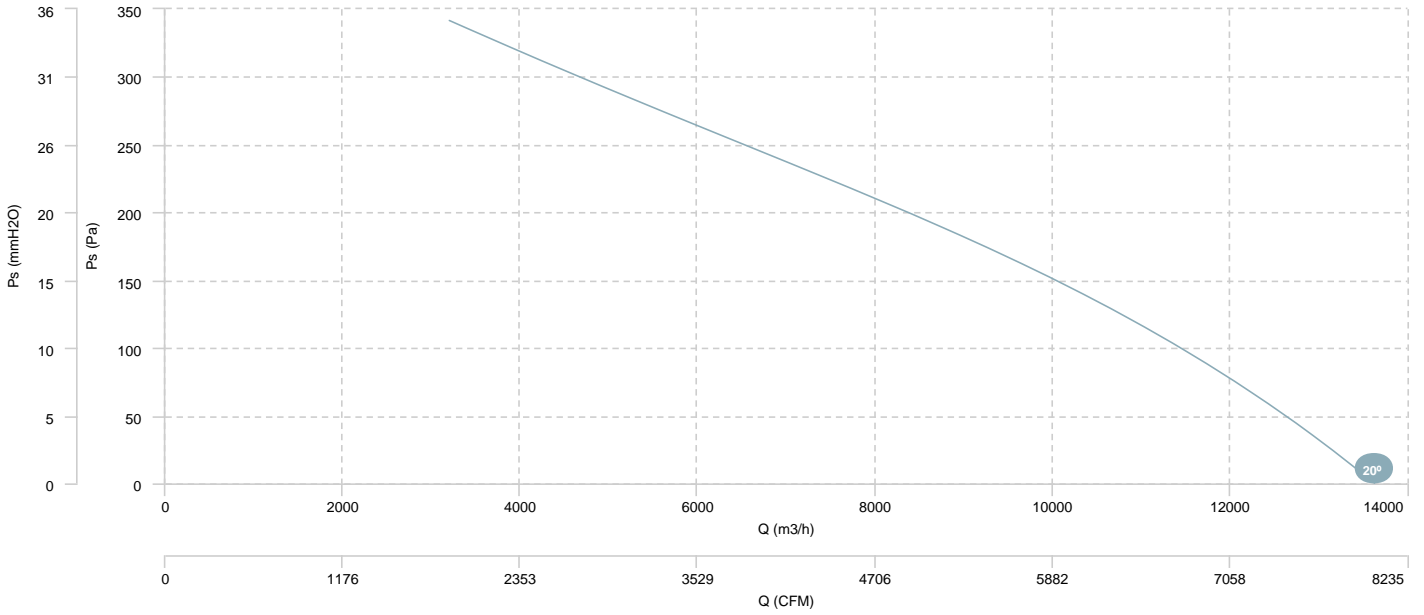
## AIR FLOW - MECHANICAL POWER



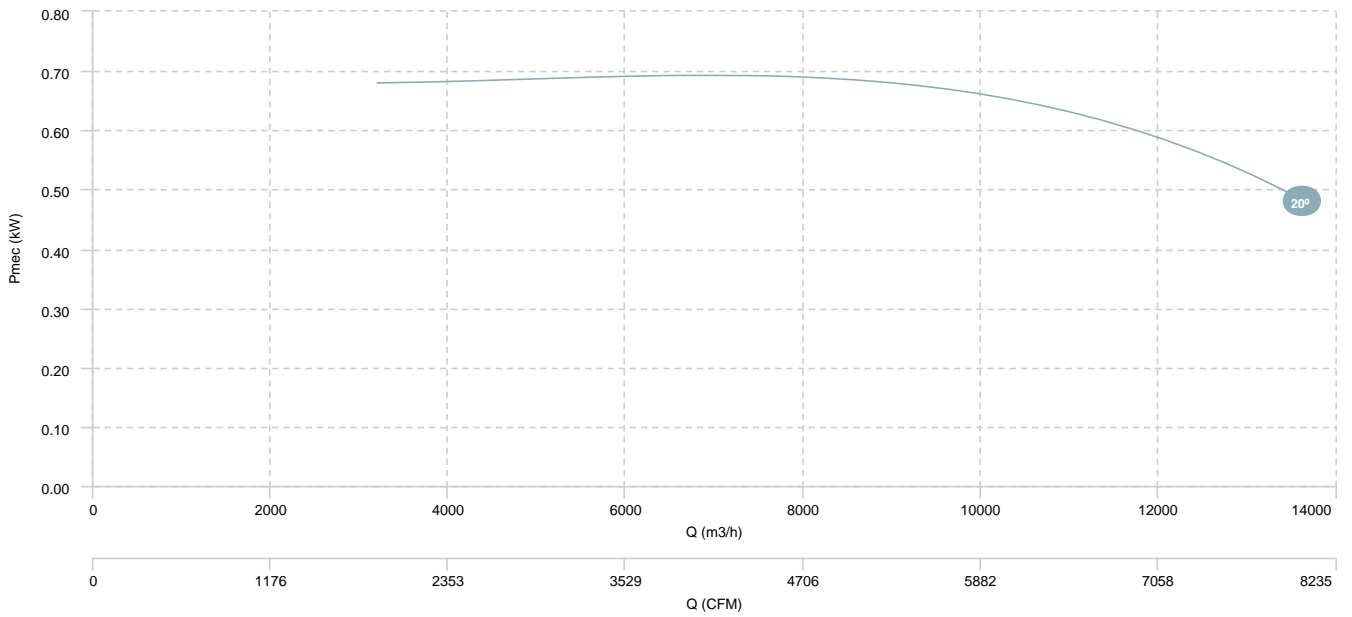


HBA 71 M4 (A5:6)

AIR FLOW - PRESSURE

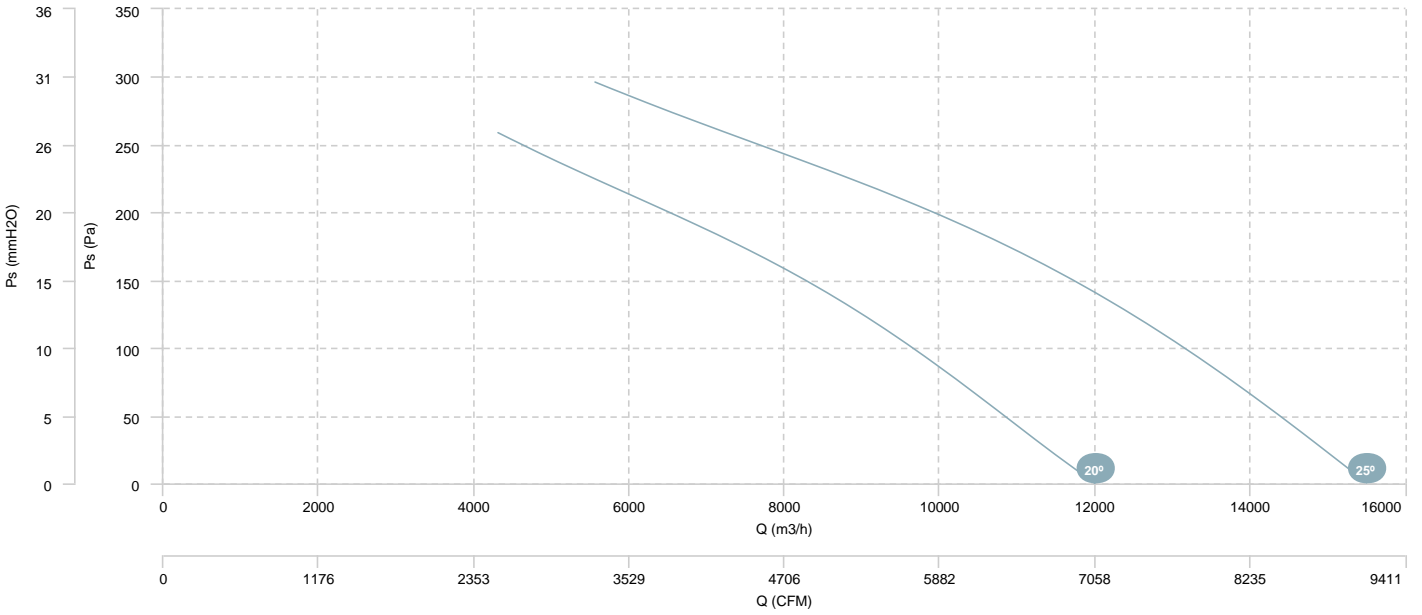


AIR FLOW - MECHANICAL POWER

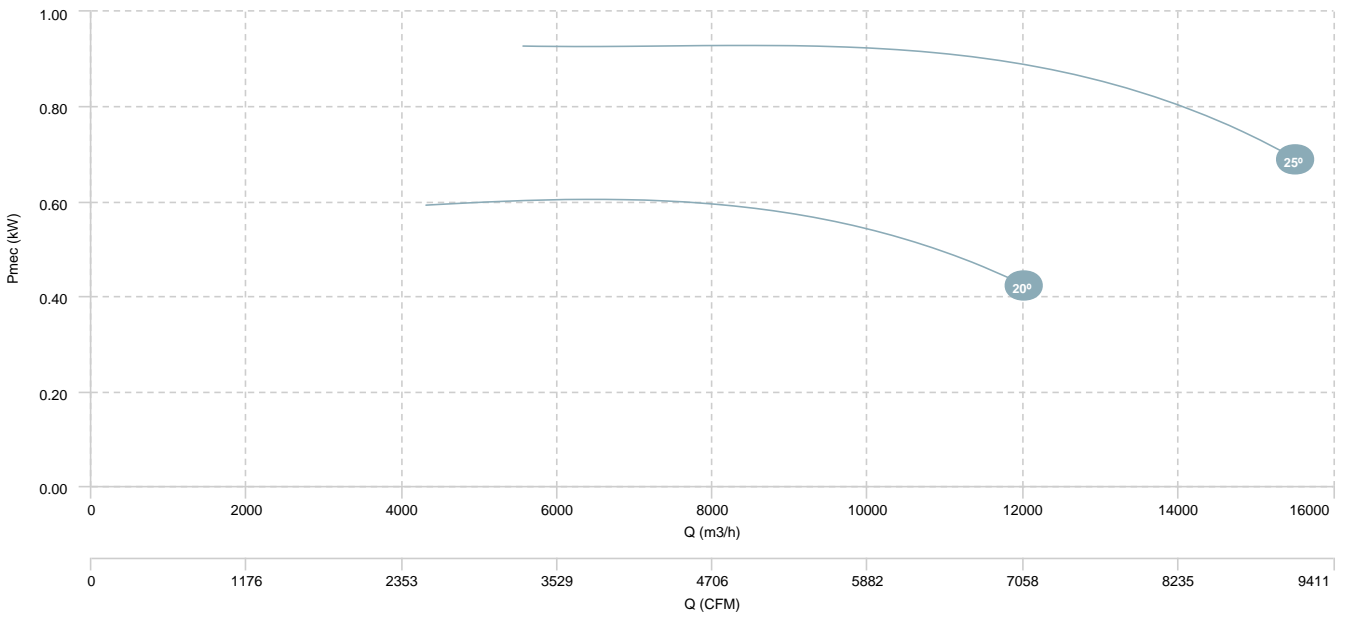


HBA 71 M4 (A2:6)

AIR FLOW - PRESSURE

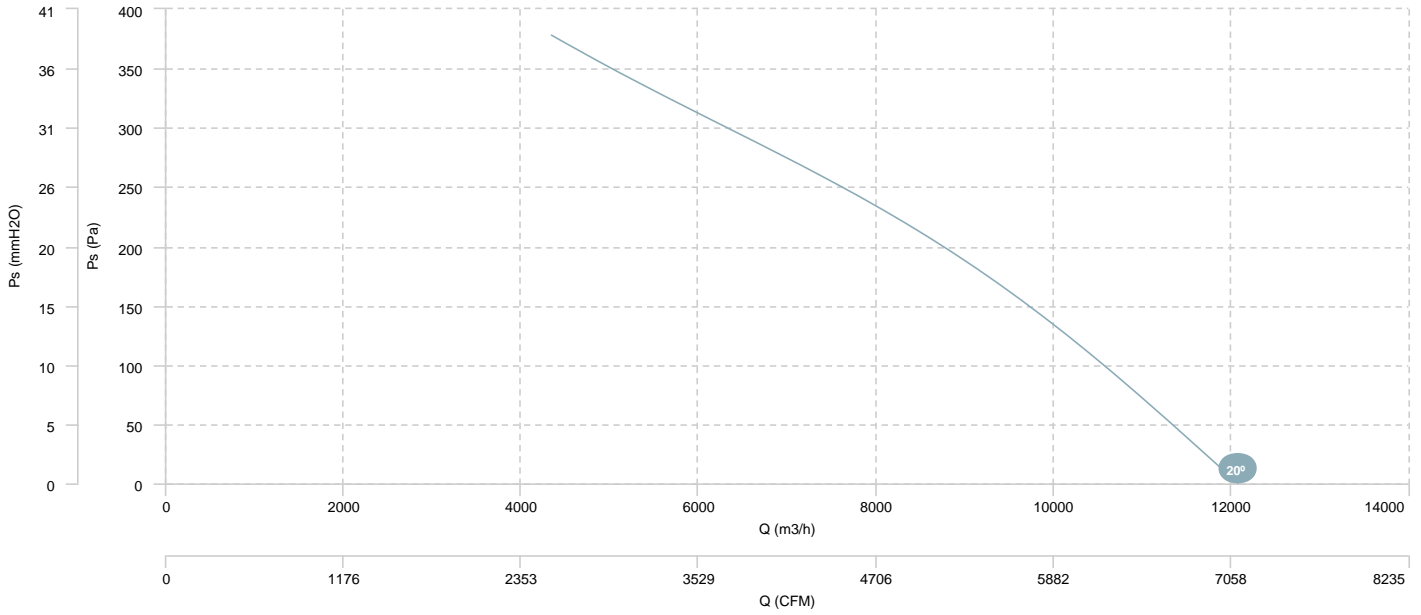


AIR FLOW - MECHANICAL POWER

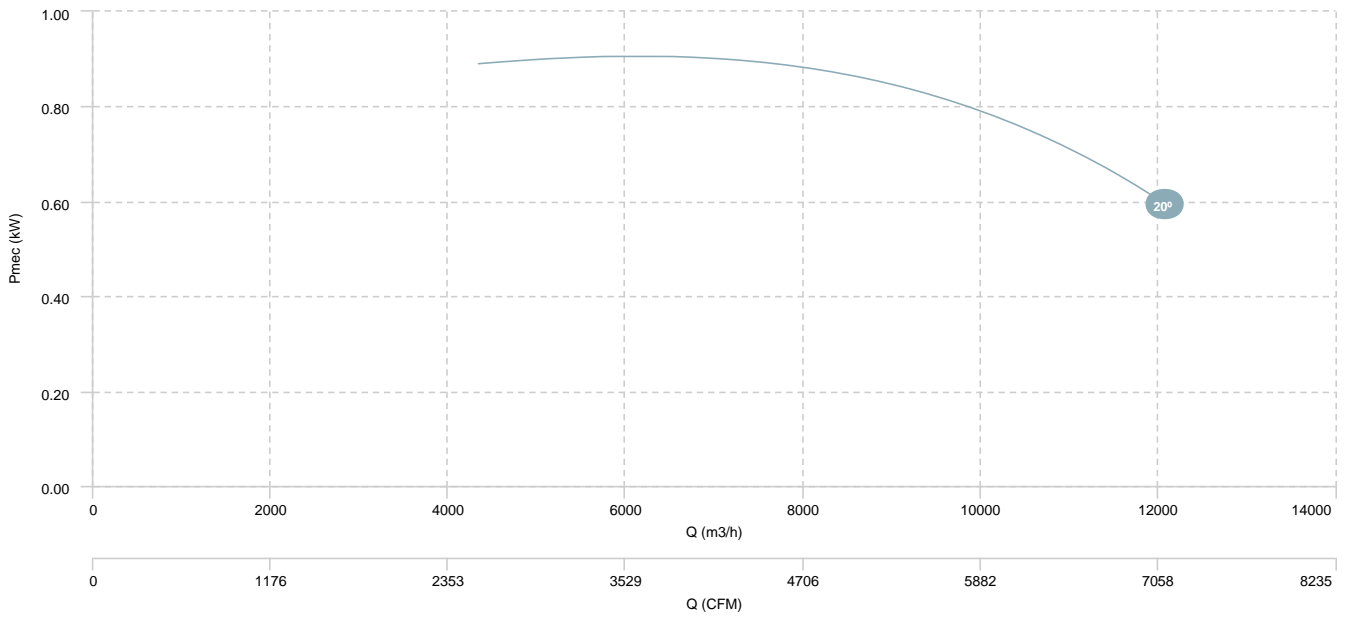


HBA 71 M4 (A2:9)

AIR FLOW - PRESSURE

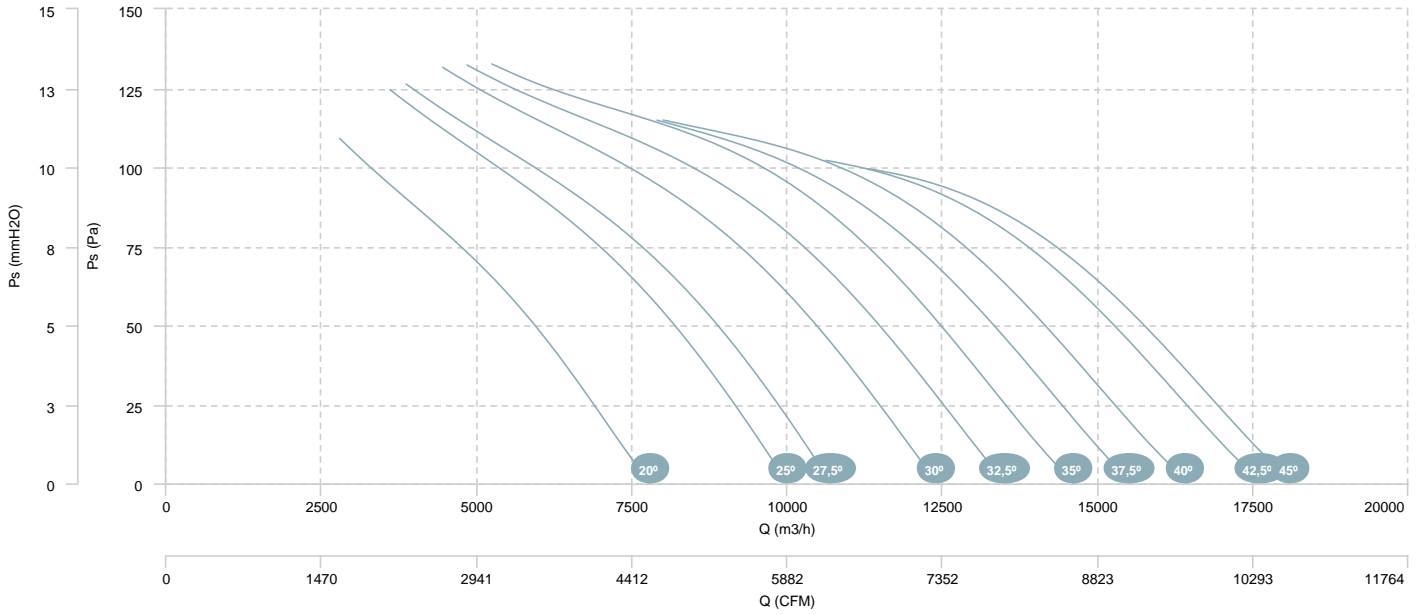


AIR FLOW - MECHANICAL POWER

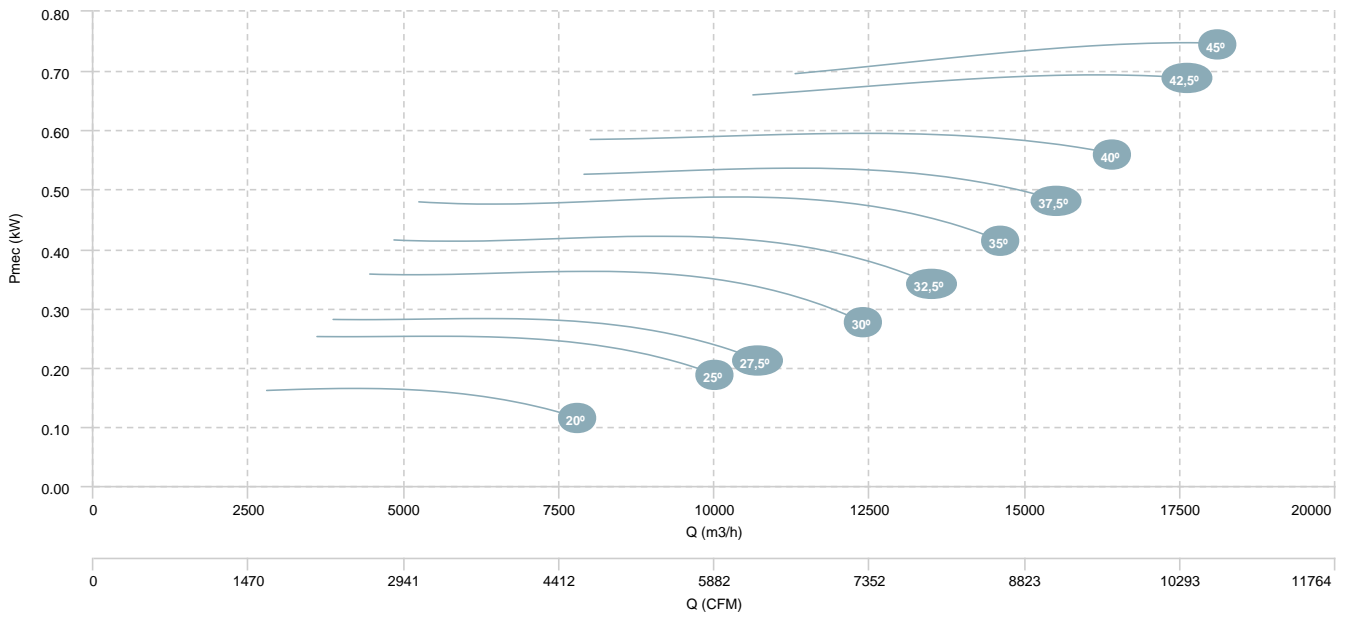


HBA 71 M6 (A2:6)

AIR FLOW - PRESSURE

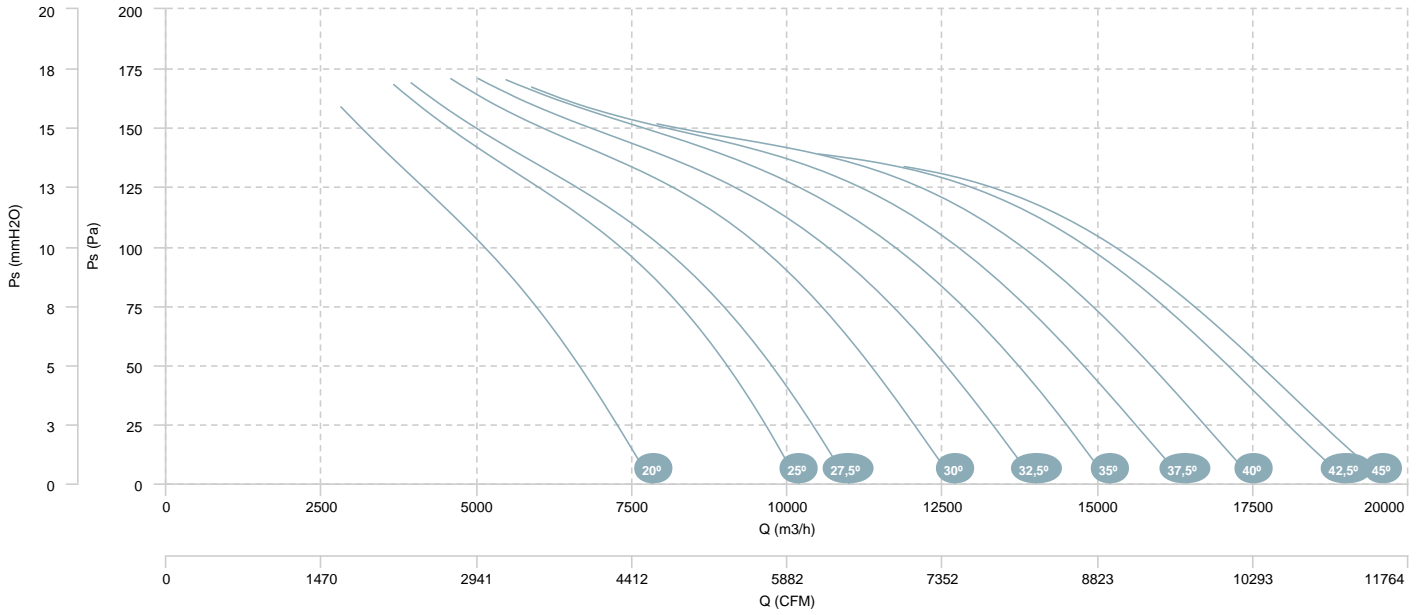


AIR FLOW - MECHANICAL POWER

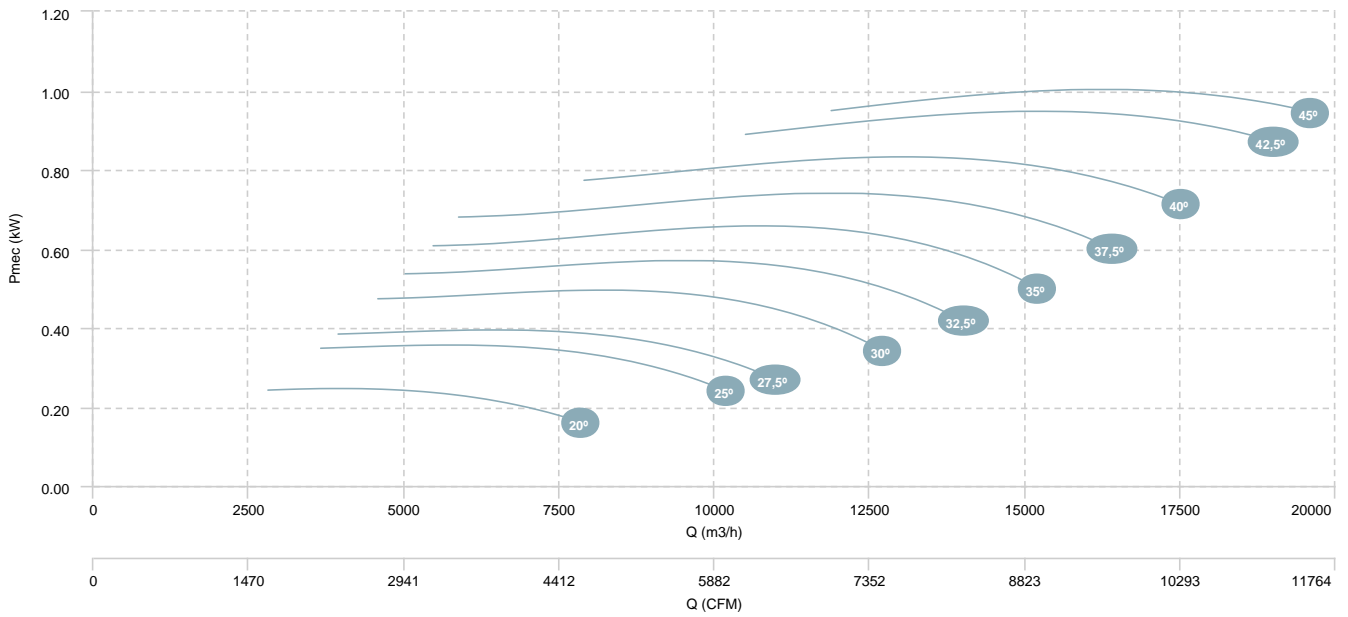


HBA 71 M6 (A2:9)

AIR FLOW - PRESSURE

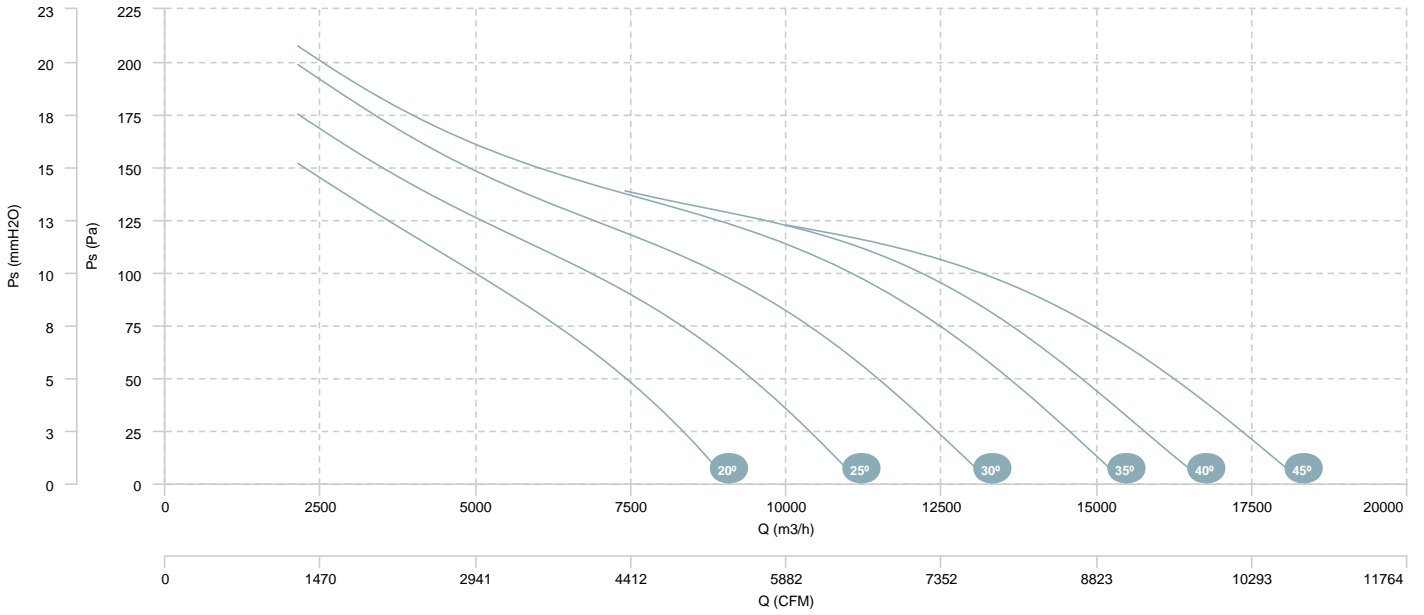


AIR FLOW - MECHANICAL POWER

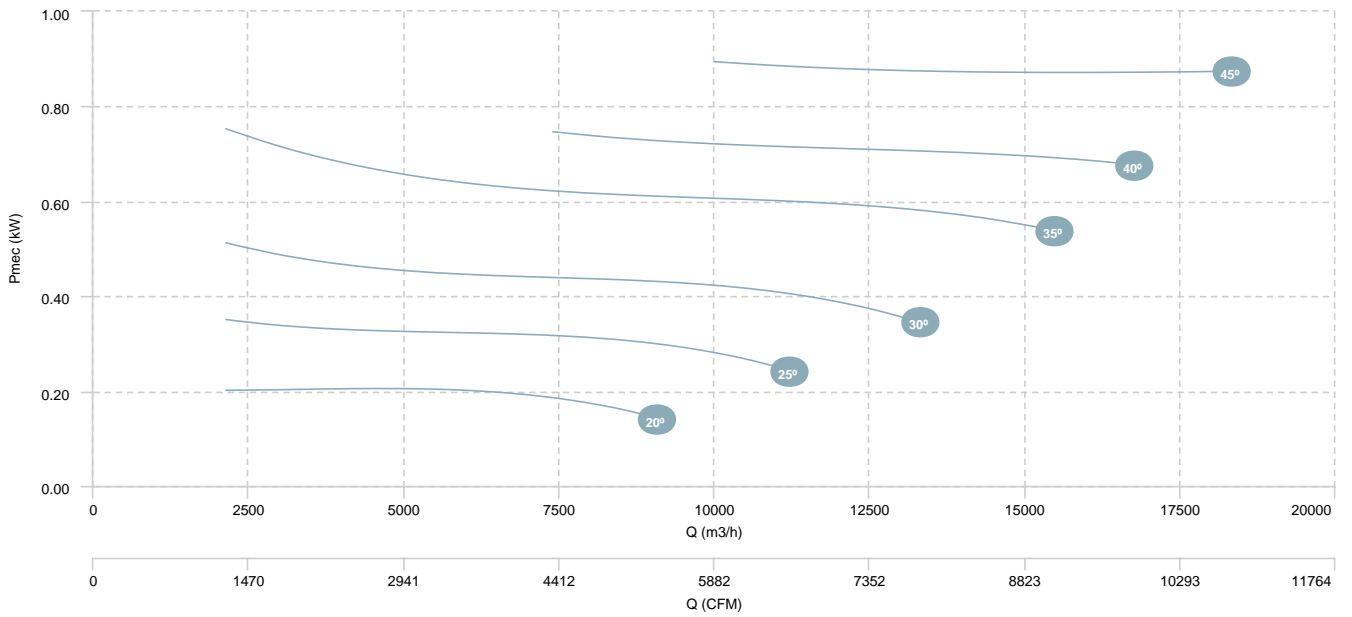


HBA 71 M6 (A5:6)

## AIR FLOW - PRESSURE

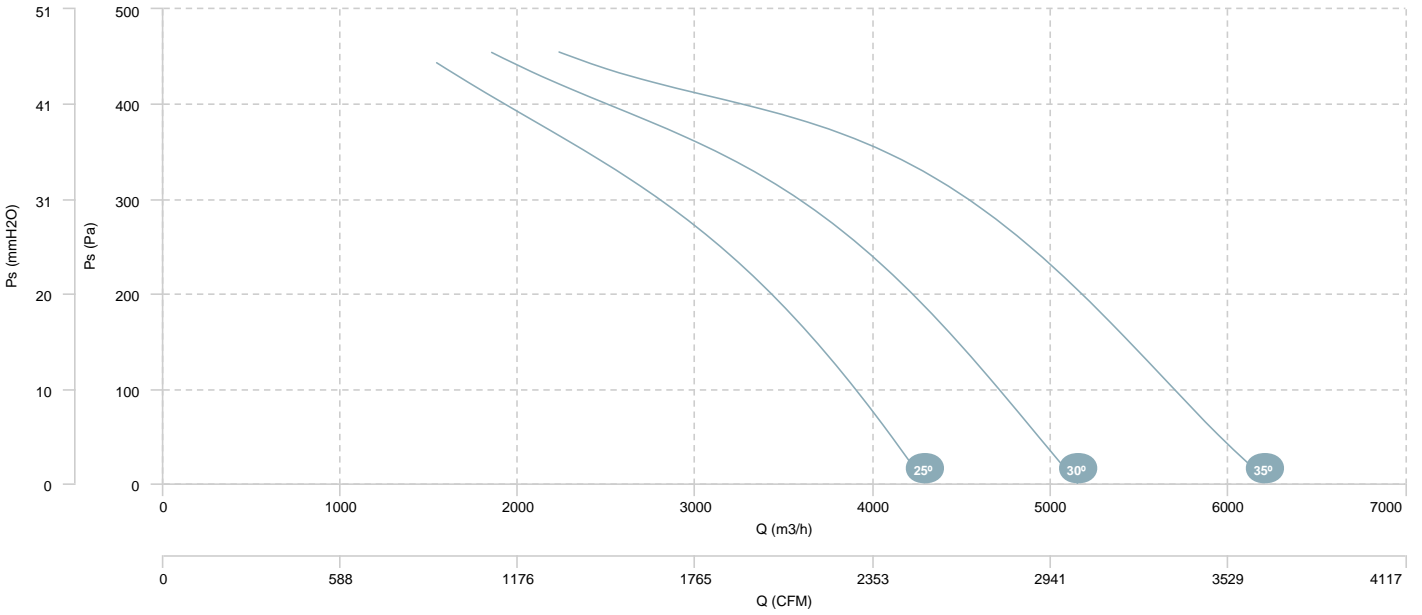


## AIR FLOW - MECHANICAL POWER

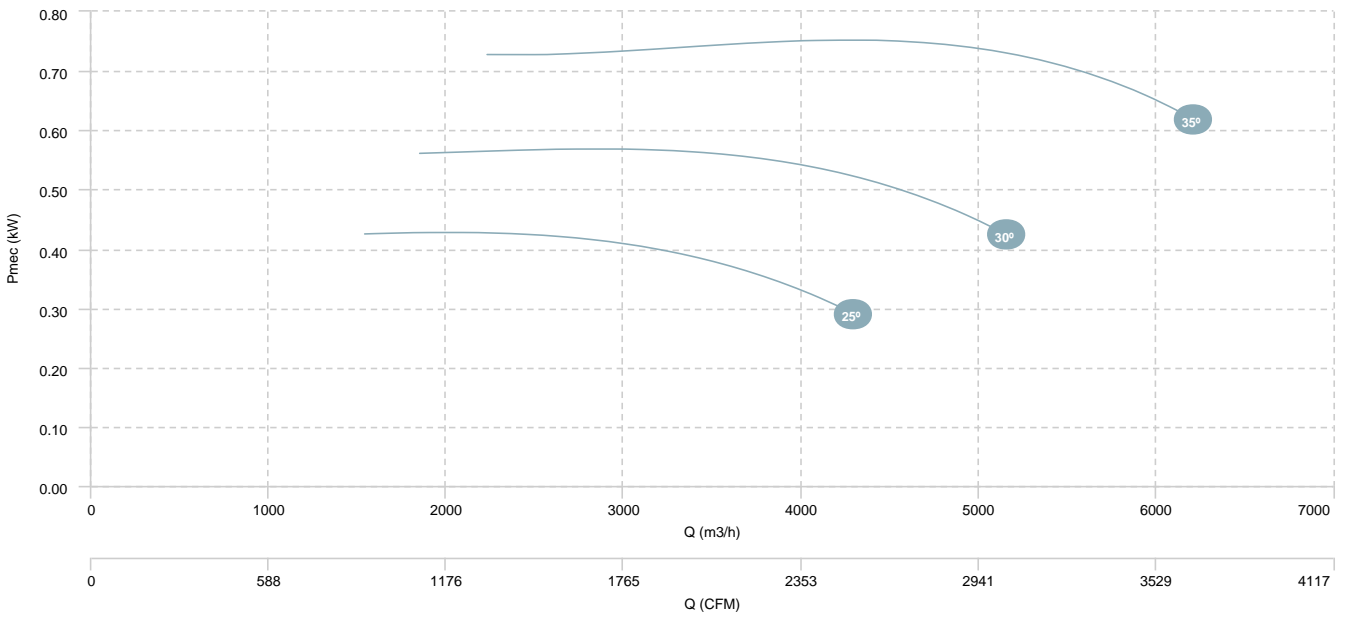


HBA 35 T2 (A0:6)

AIR FLOW - PRESSURE

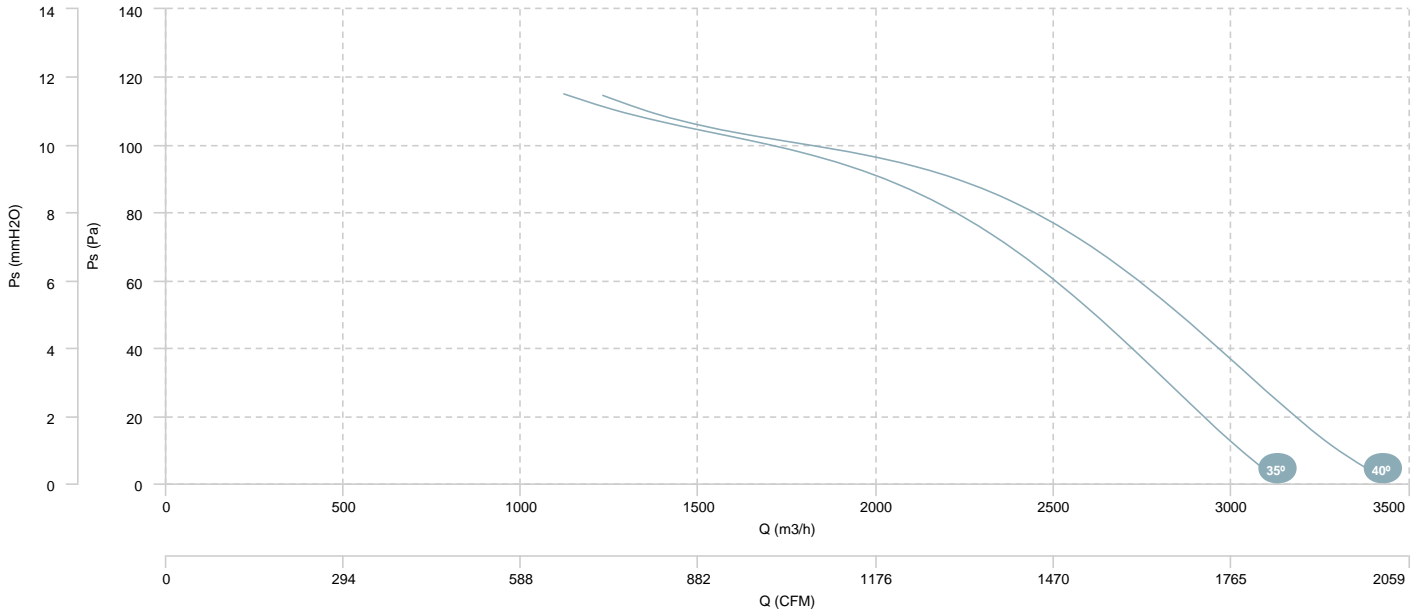


AIR FLOW - MECHANICAL POWER

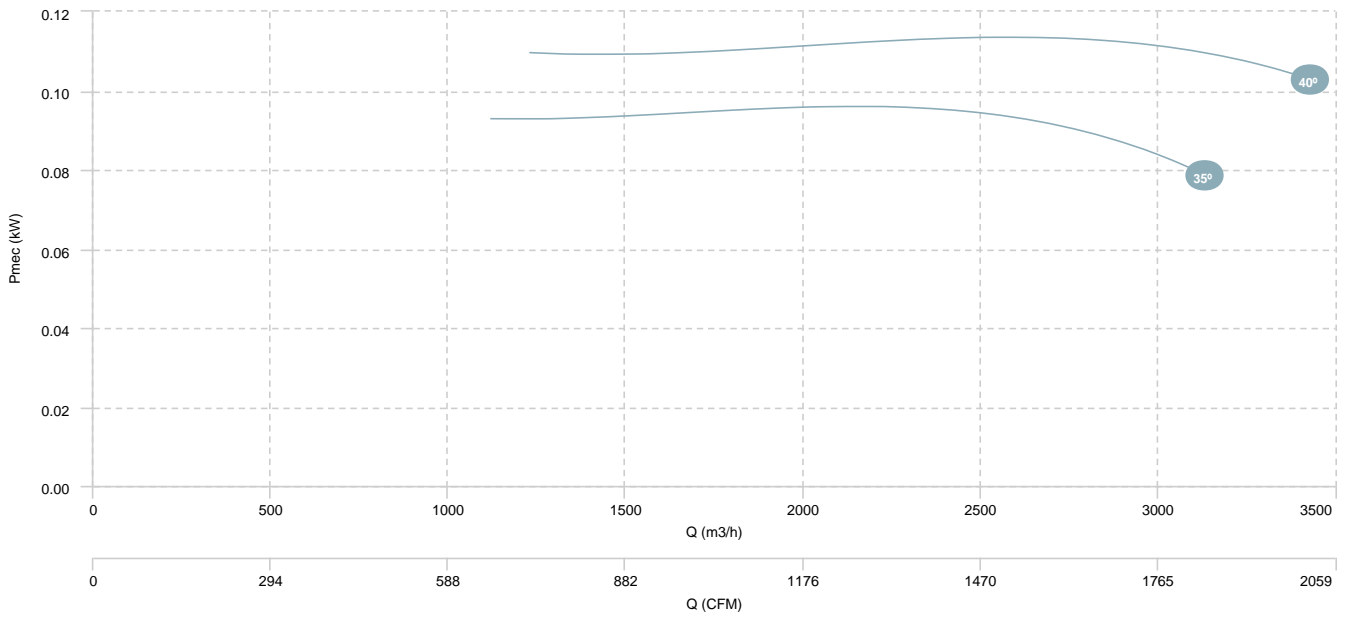


HBA 35 T4 (A0:6)

AIR FLOW - PRESSURE



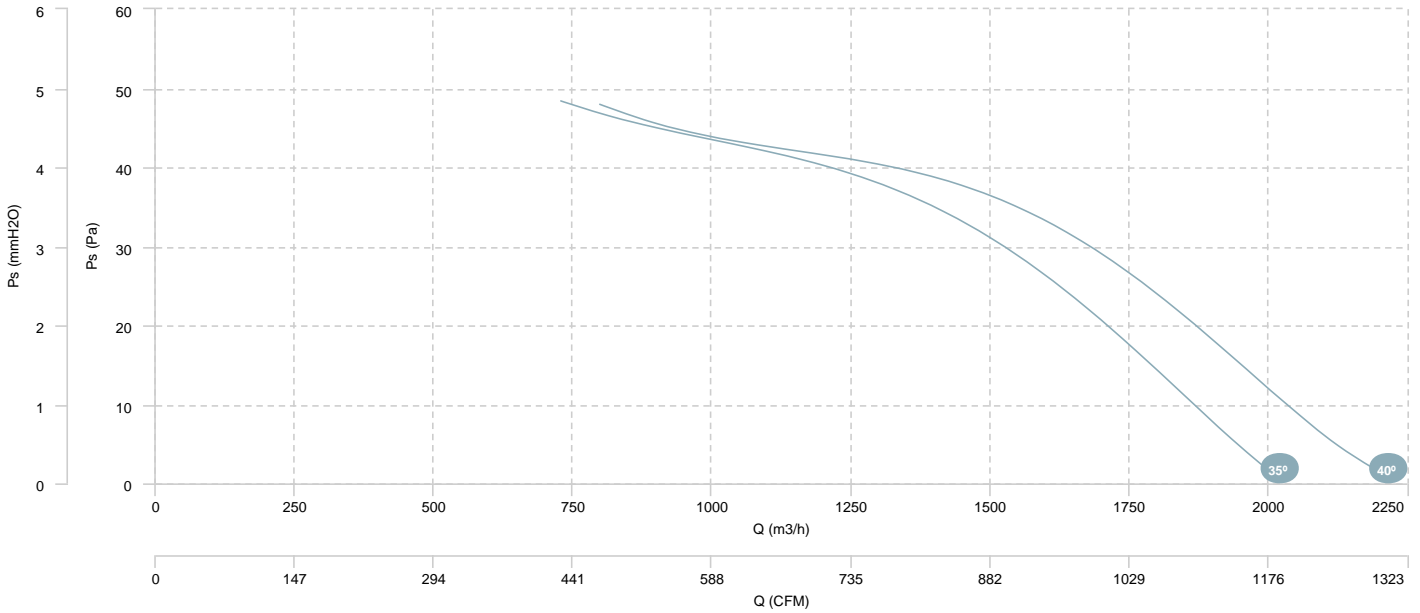
AIR FLOW - MECHANICAL POWER



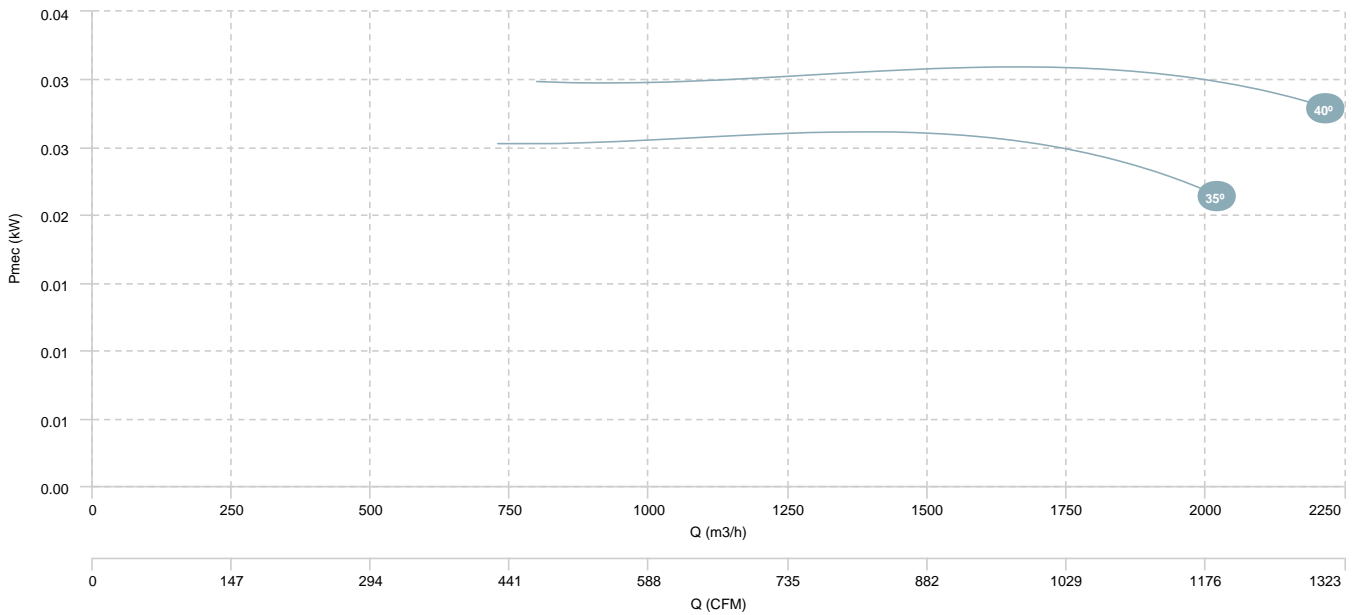


HBA 35 T6 (A0:6)

AIR FLOW - PRESSURE

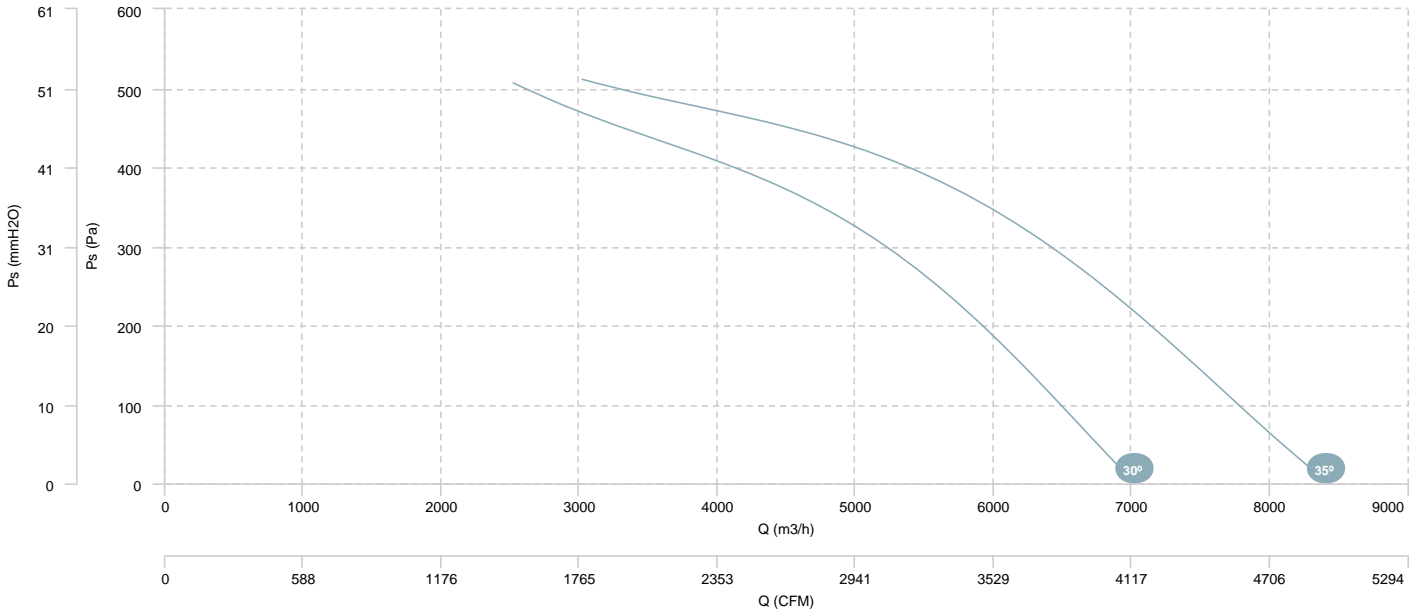


AIR FLOW - MECHANICAL POWER

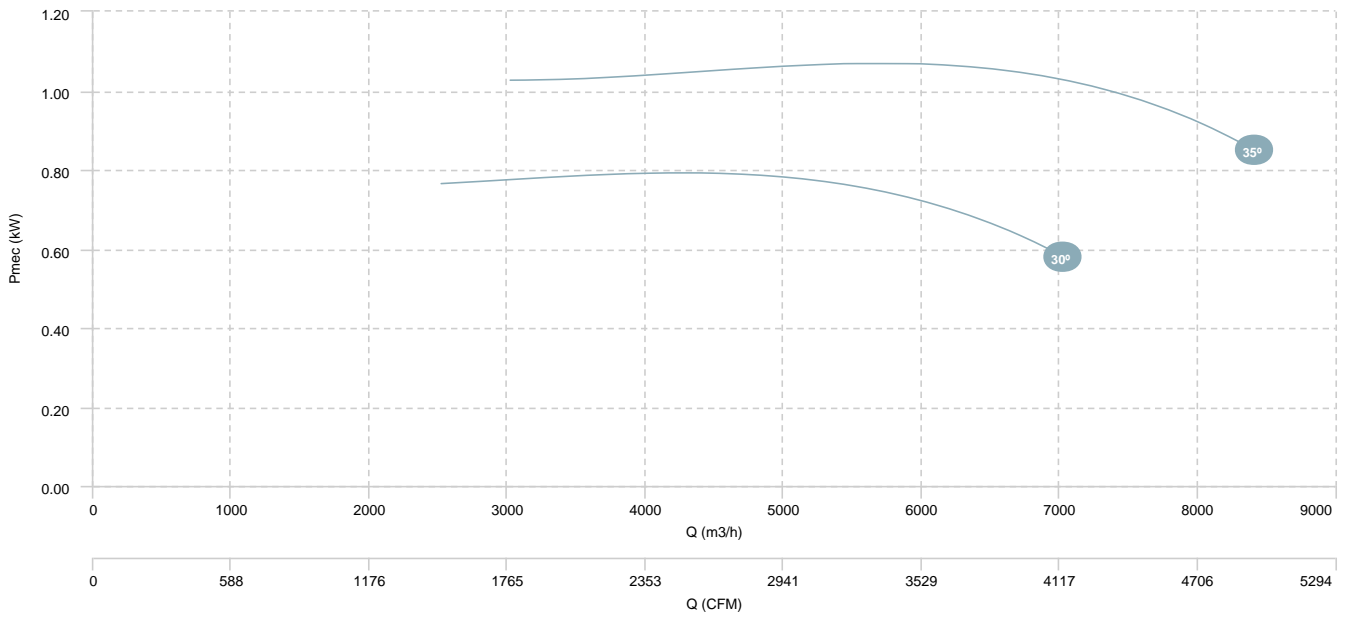


HBA 40 T2 (A0:6)

AIR FLOW - PRESSURE

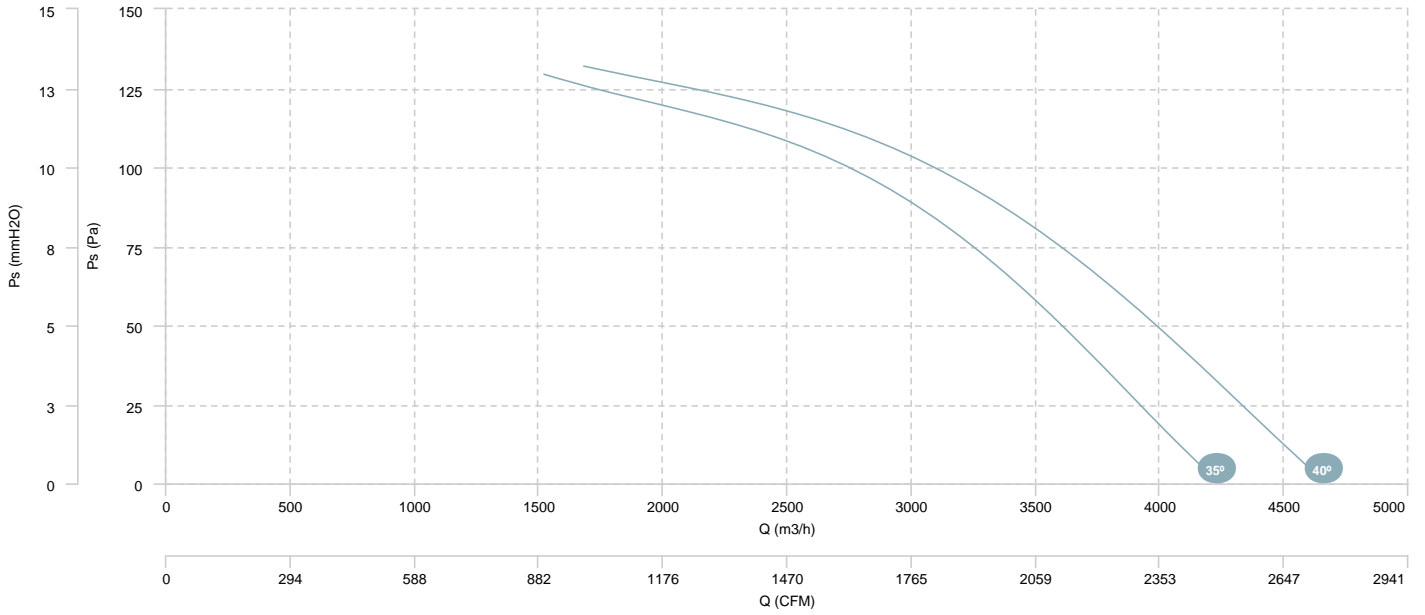


AIR FLOW - MECHANICAL POWER

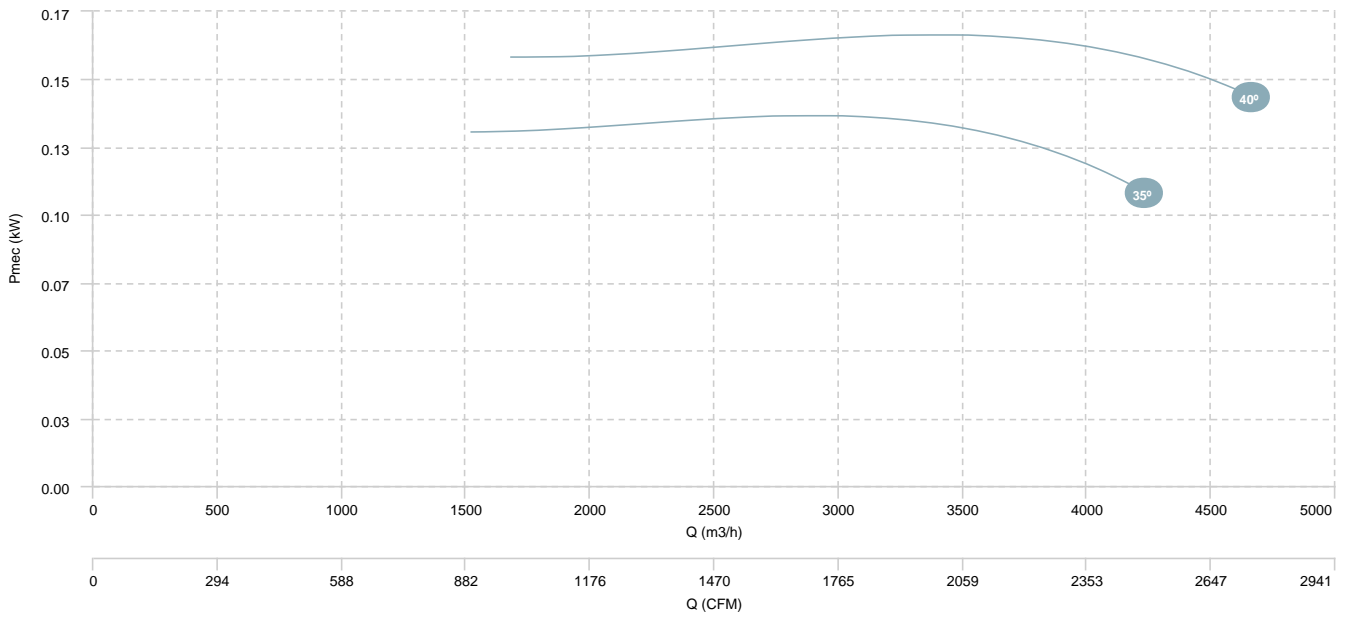


HBA 40 T4 (A0:6)

AIR FLOW - PRESSURE

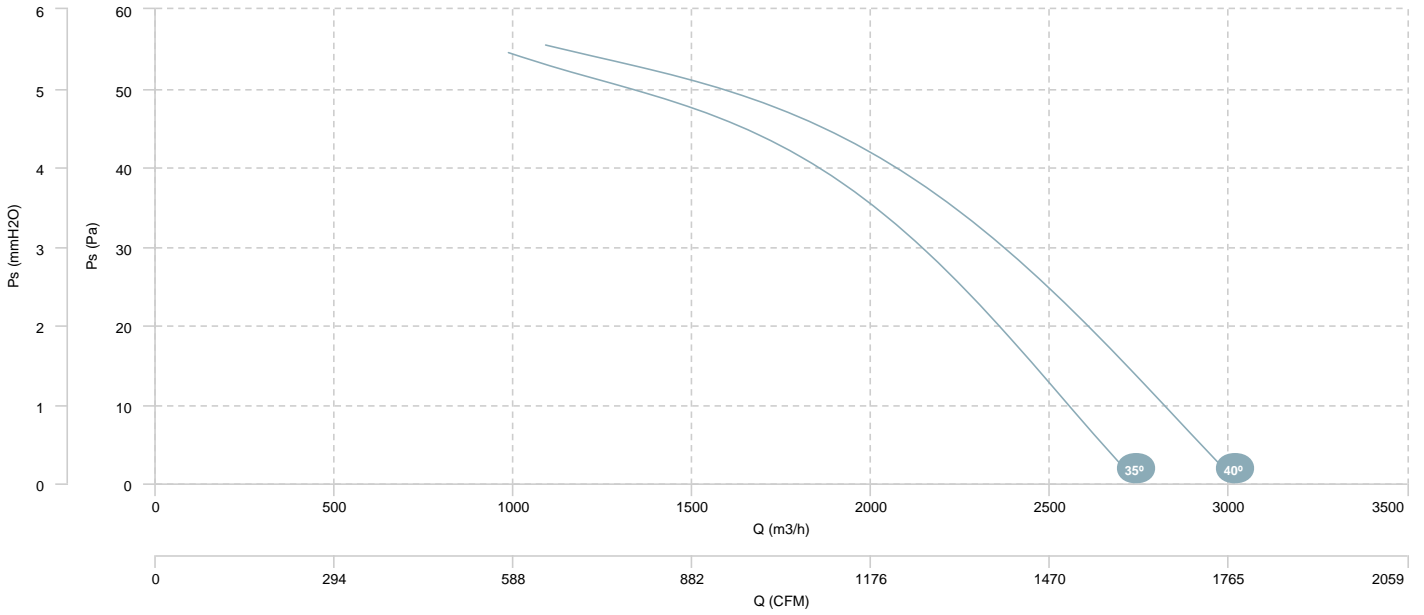


AIR FLOW - MECHANICAL POWER

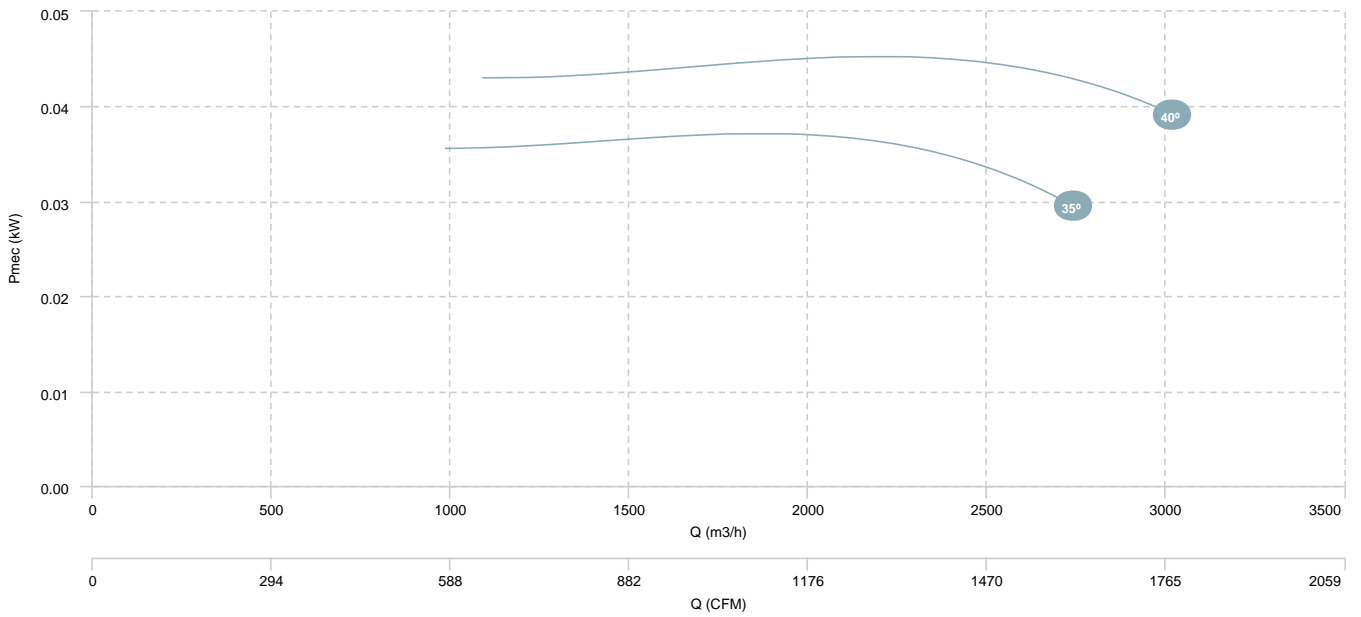


HBA 40 T6 (A0:6)

AIR FLOW - PRESSURE

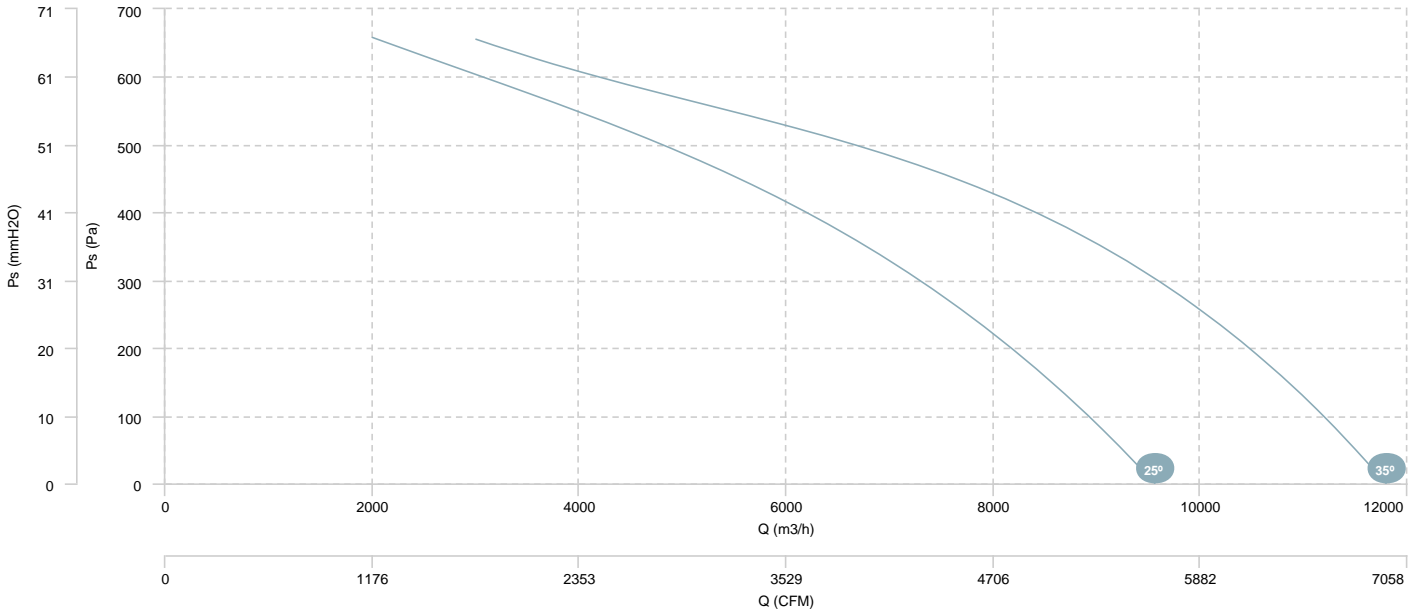


AIR FLOW - MECHANICAL POWER

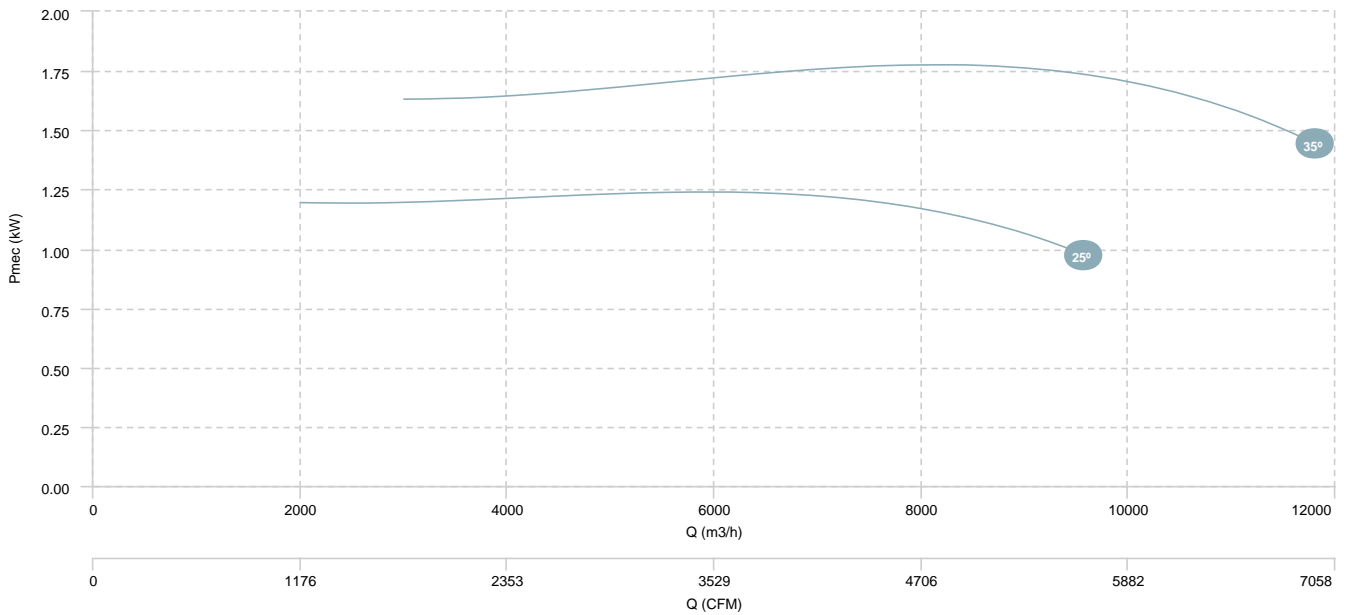


HBA 45 T2 (A0:6)

AIR FLOW - PRESSURE

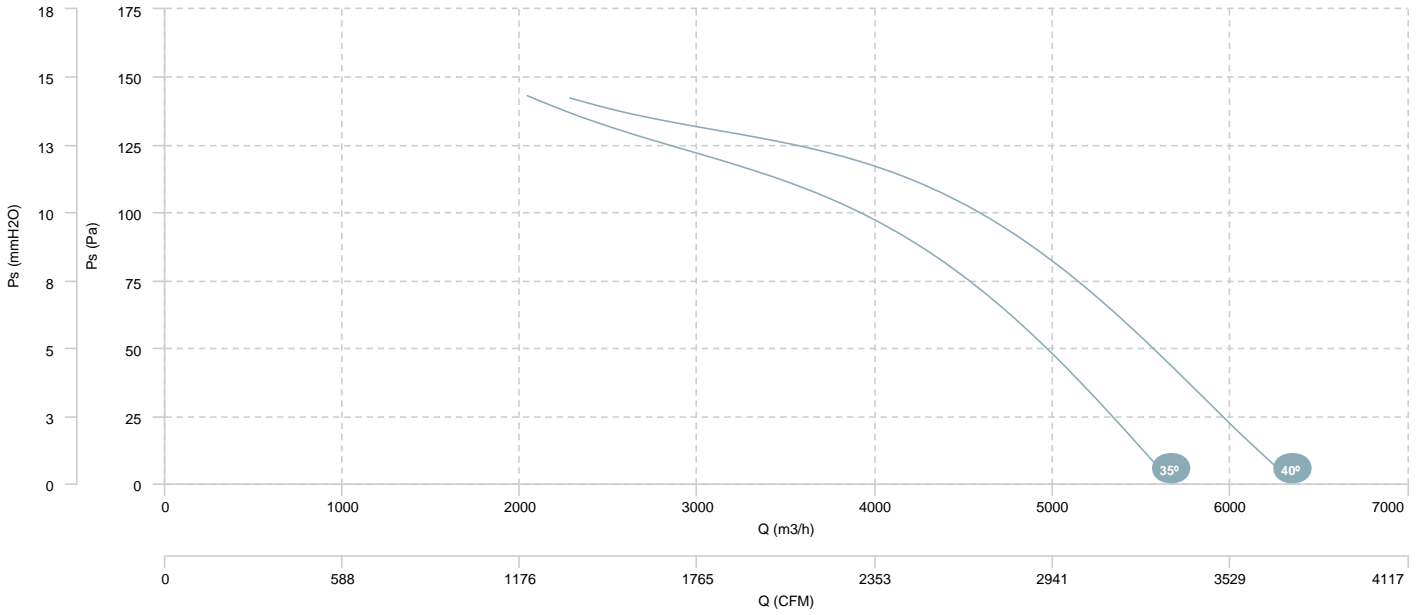


AIR FLOW - MECHANICAL POWER

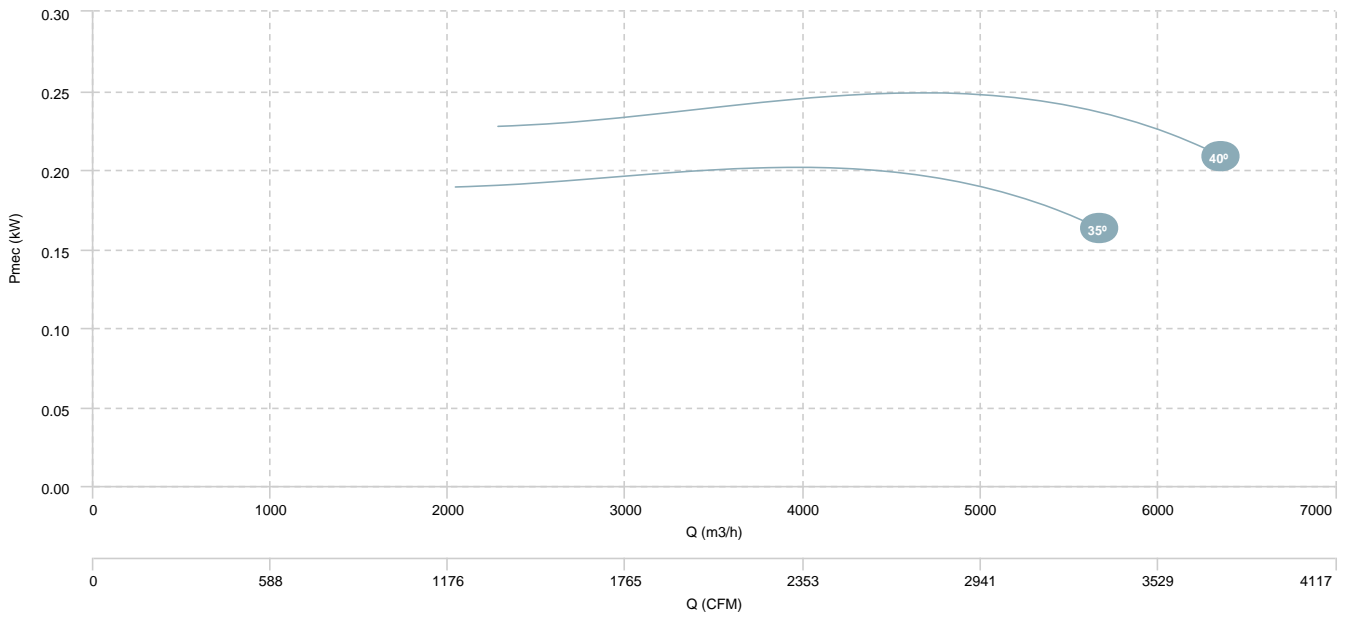


HBA 45 T4 (A0:6)

AIR FLOW - PRESSURE

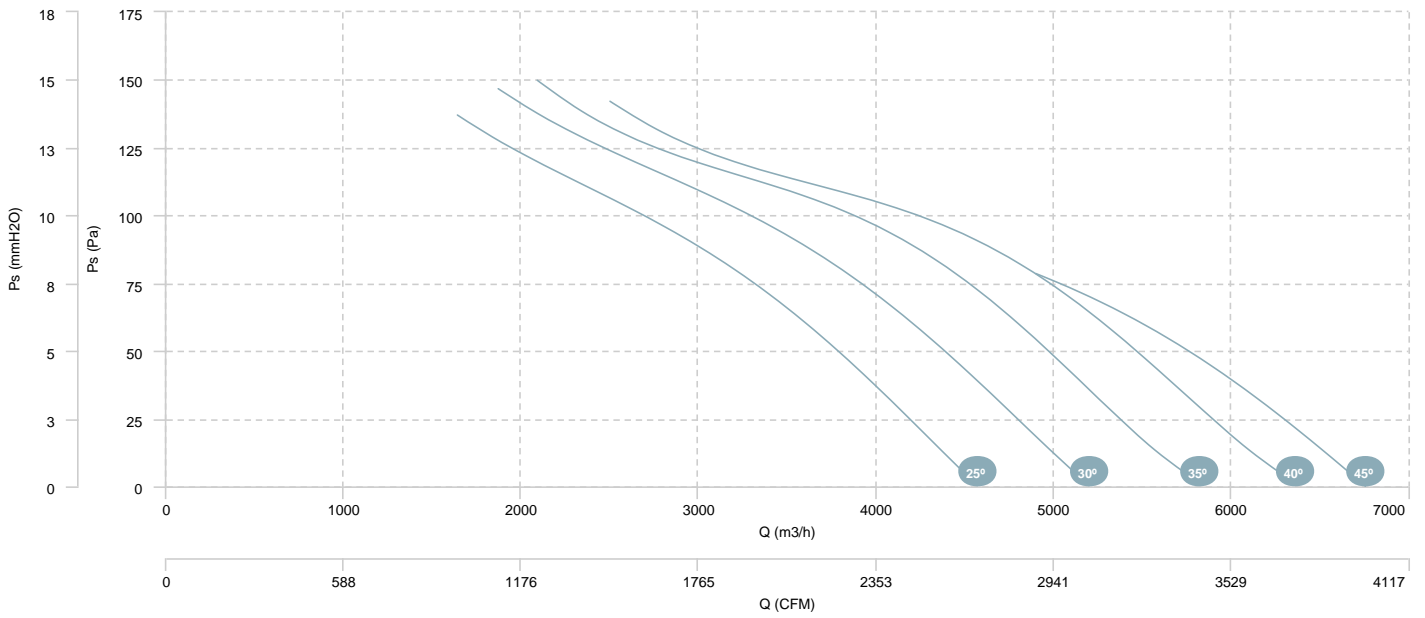


AIR FLOW - MECHANICAL POWER

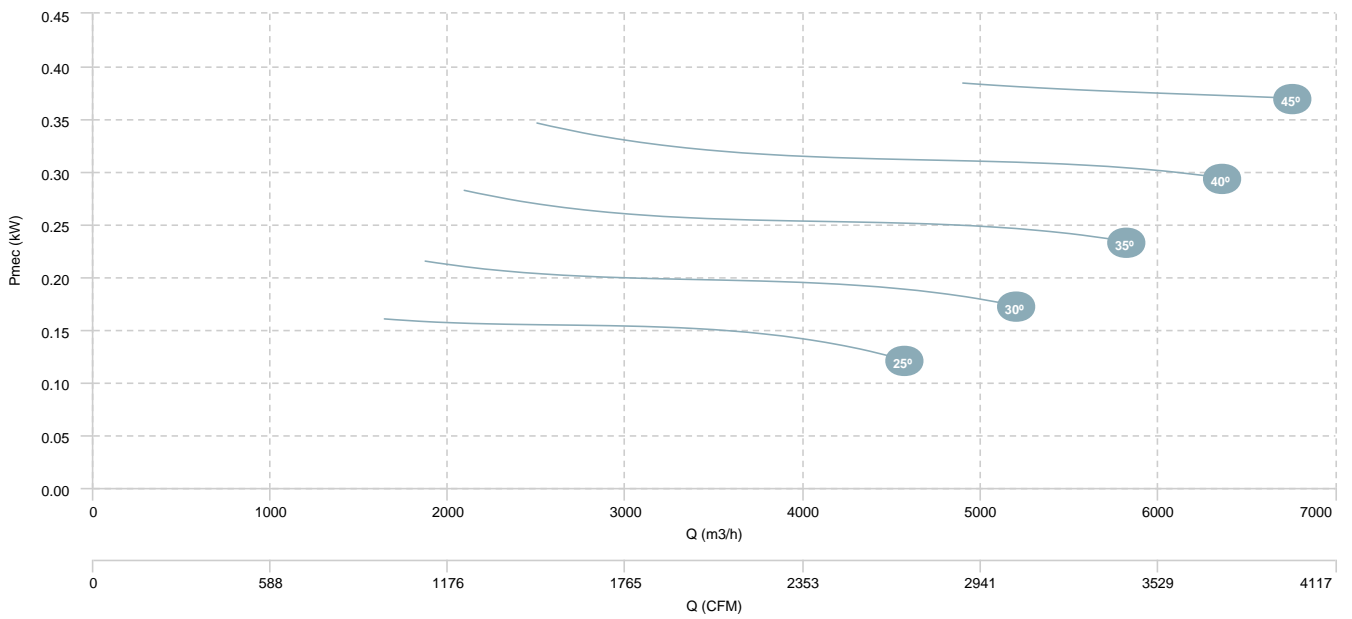


HBA 45 T4 (A5:6)

AIR FLOW - PRESSURE

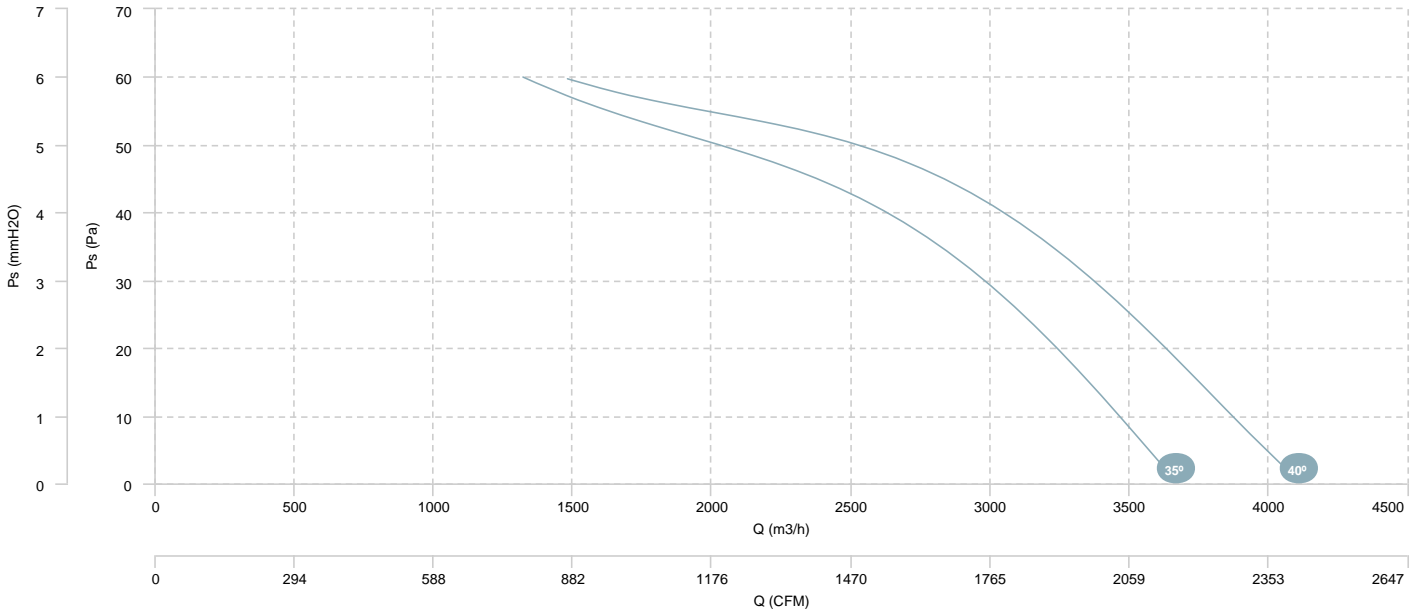


AIR FLOW - MECHANICAL POWER

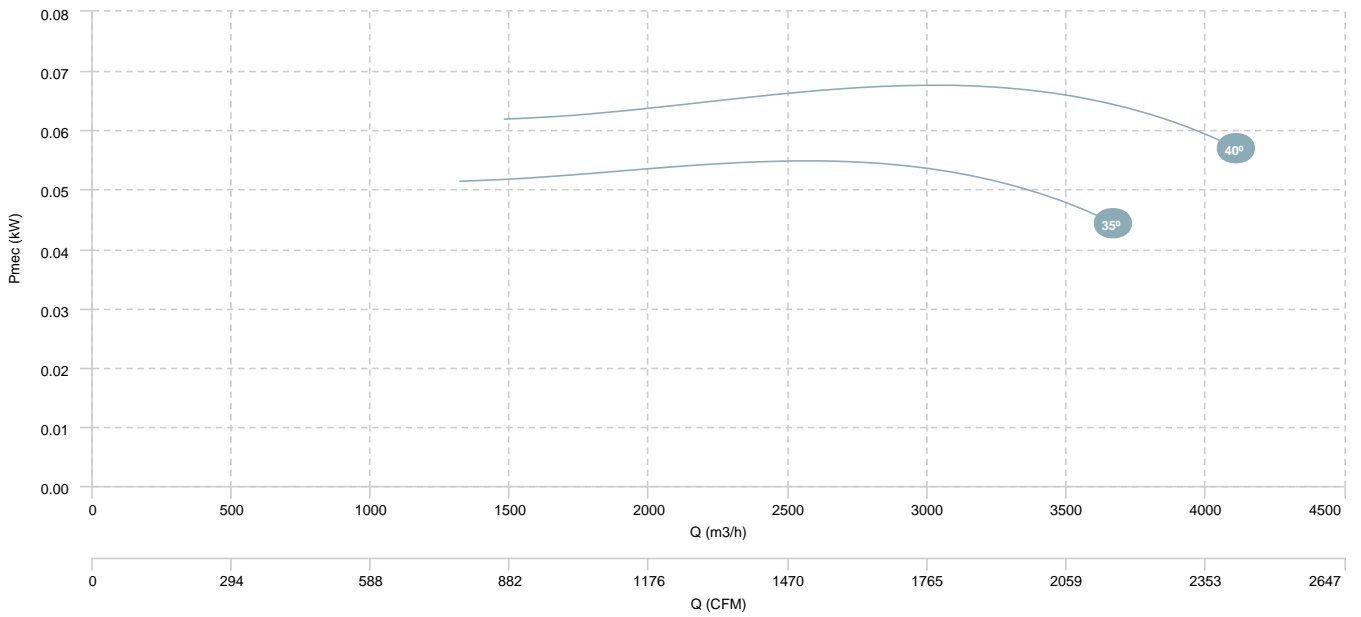


HBA 45 T6 (A0:6)

AIR FLOW - PRESSURE



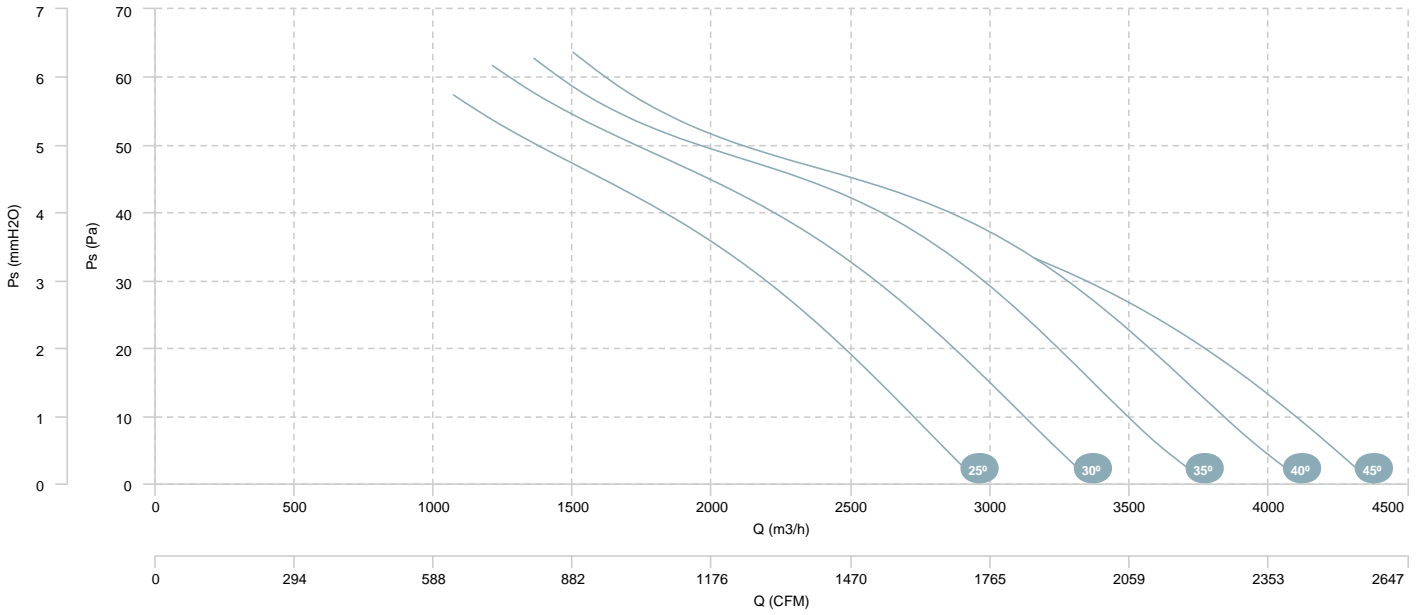
AIR FLOW - MECHANICAL POWER



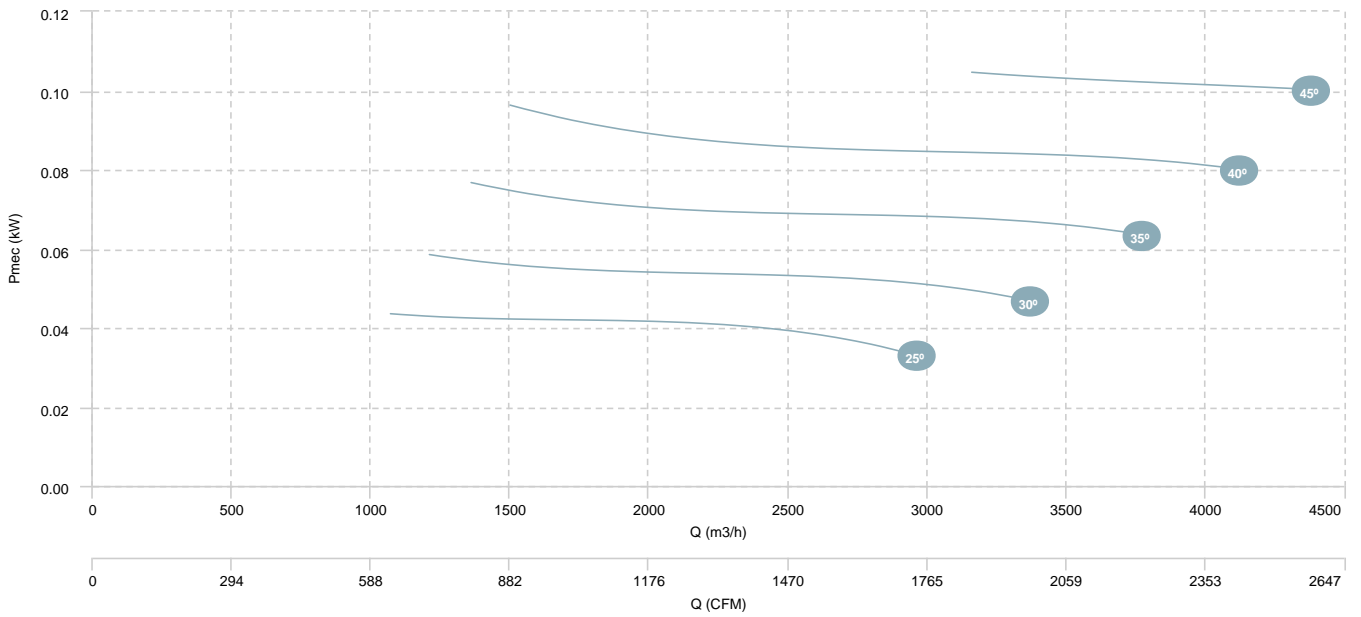


HBA 45 T6 (A5:6)

AIR FLOW - PRESSURE

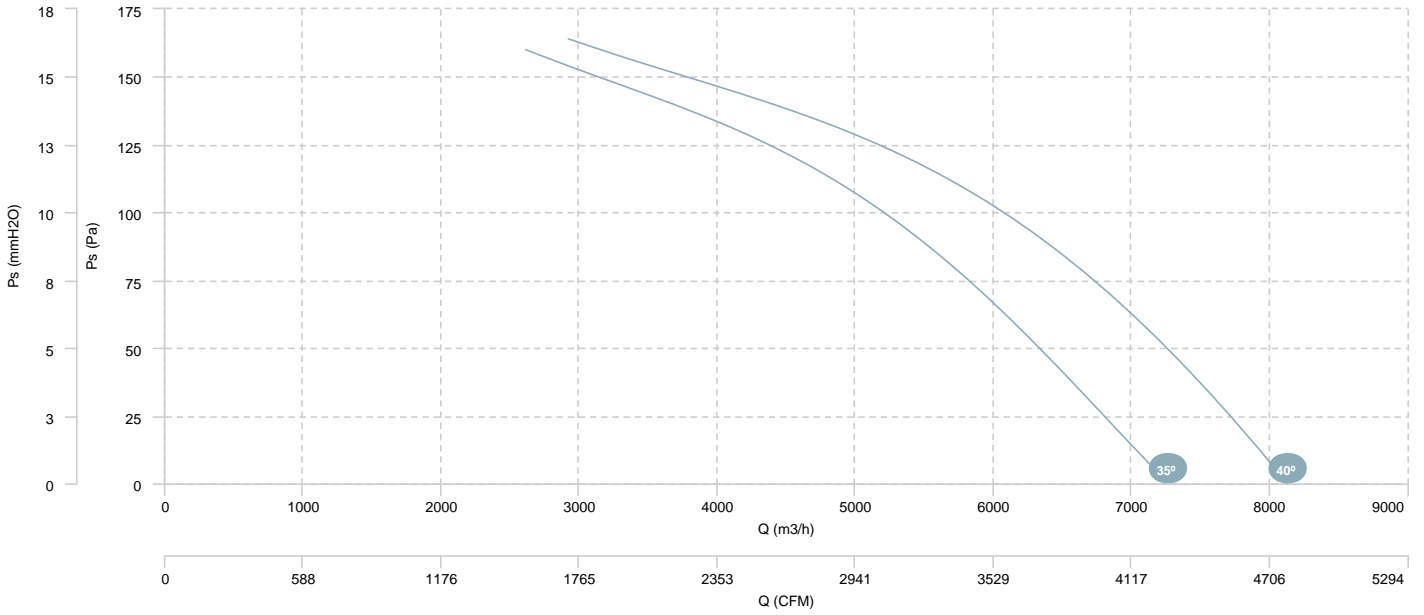


AIR FLOW - MECHANICAL POWER

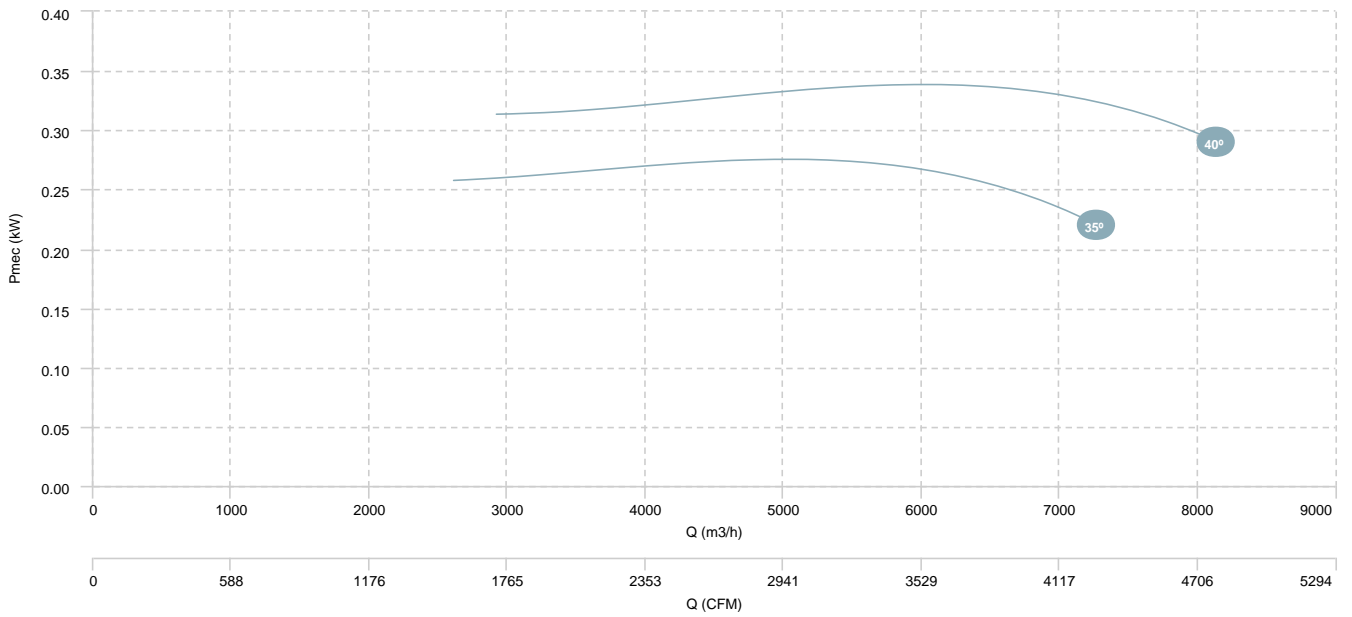


HBA 50 T4 (A0:6)

AIR FLOW - PRESSURE

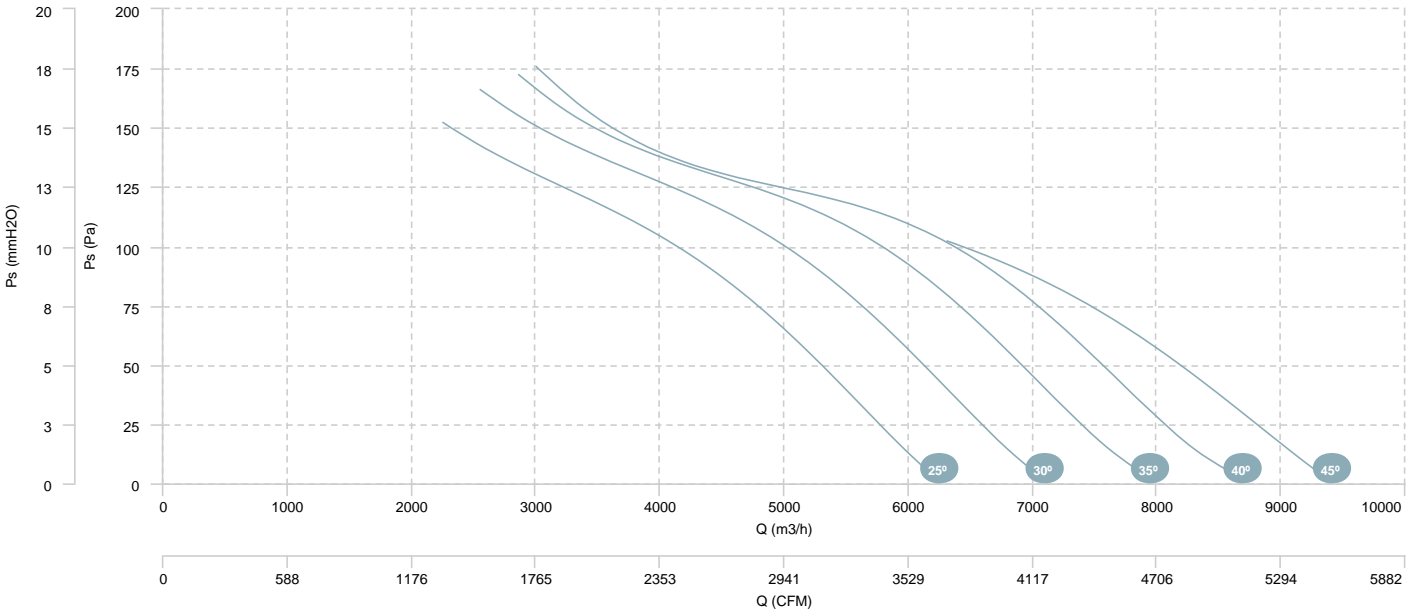


AIR FLOW - MECHANICAL POWER

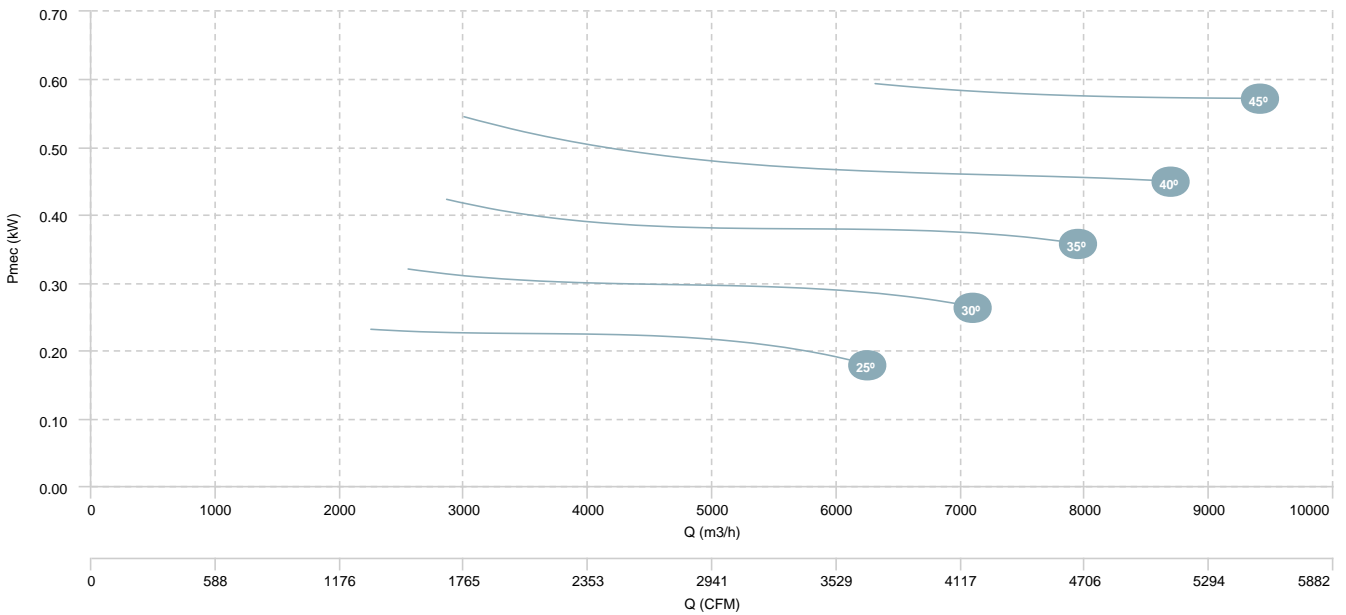


HBA 50 T4 (A5:6)

AIR FLOW - PRESSURE

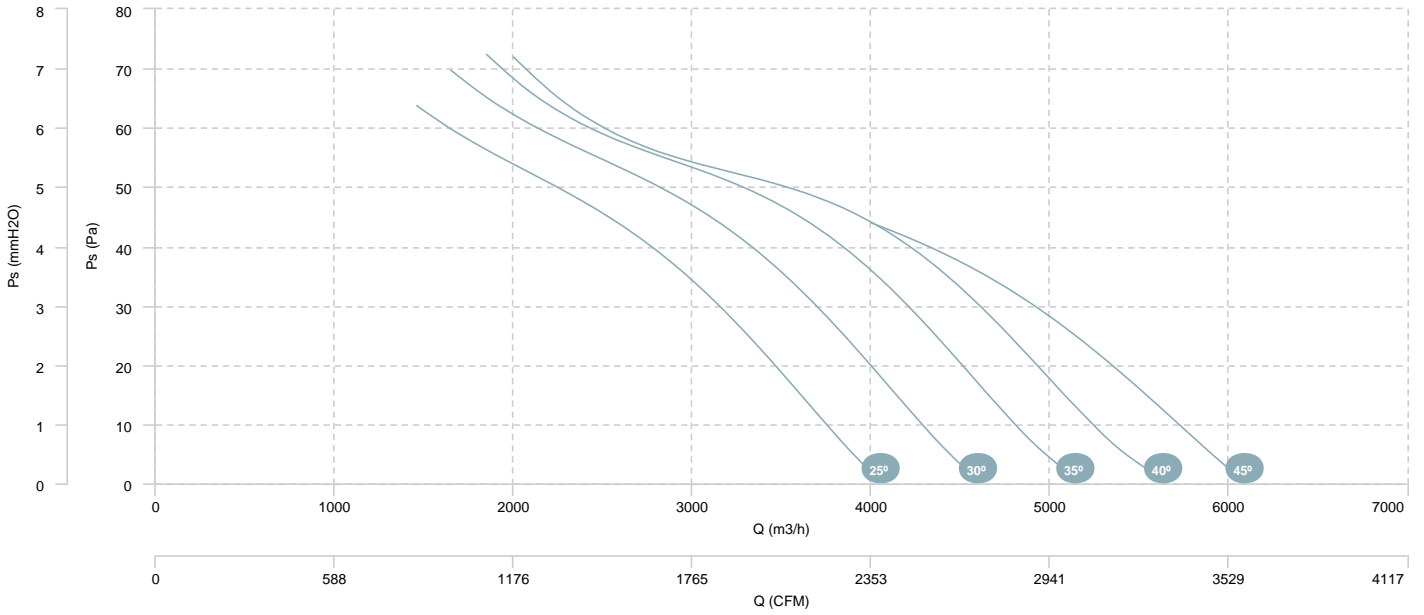


AIR FLOW - MECHANICAL POWER

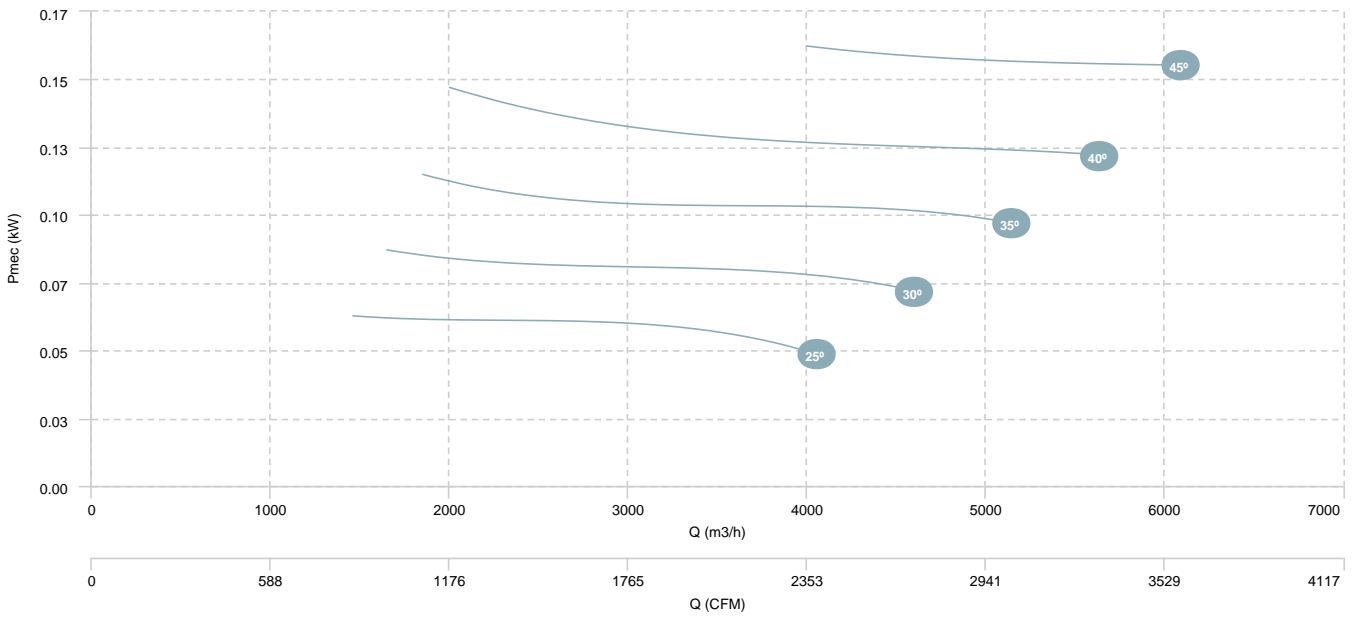


HBA 50 T6 (A5:6)

AIR FLOW - PRESSURE

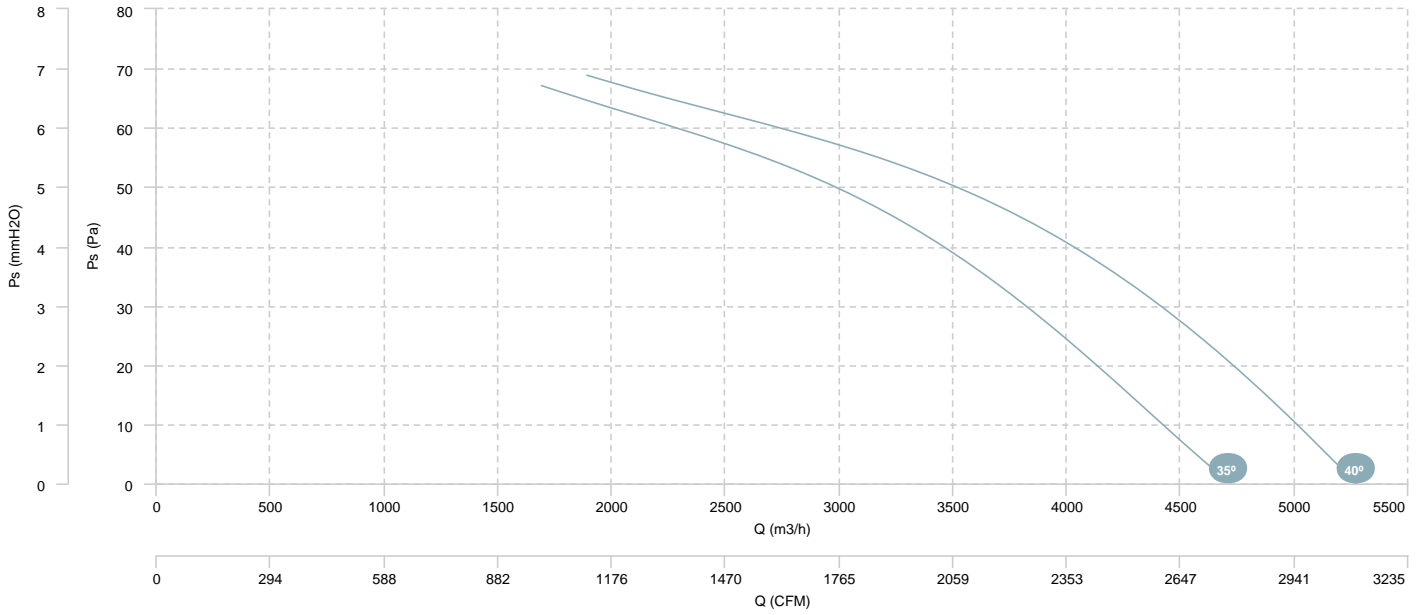


AIR FLOW - MECHANICAL POWER

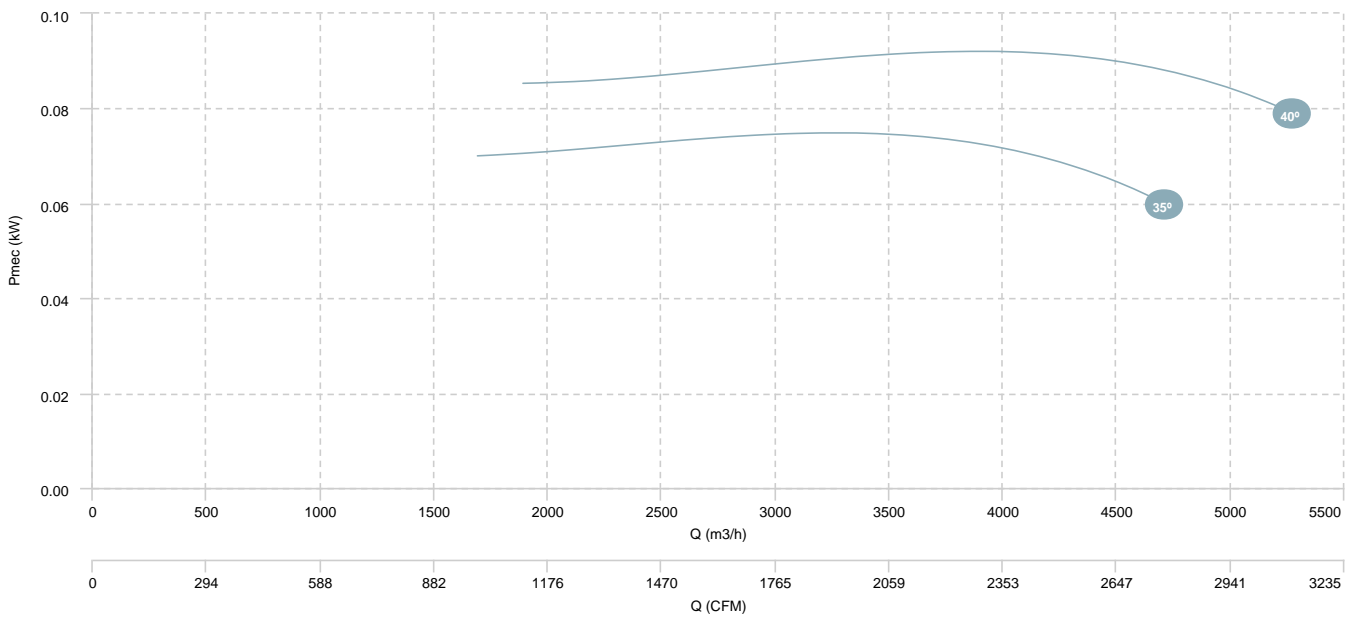


HBA 50 T6 (A0:6)

## AIR FLOW - PRESSURE

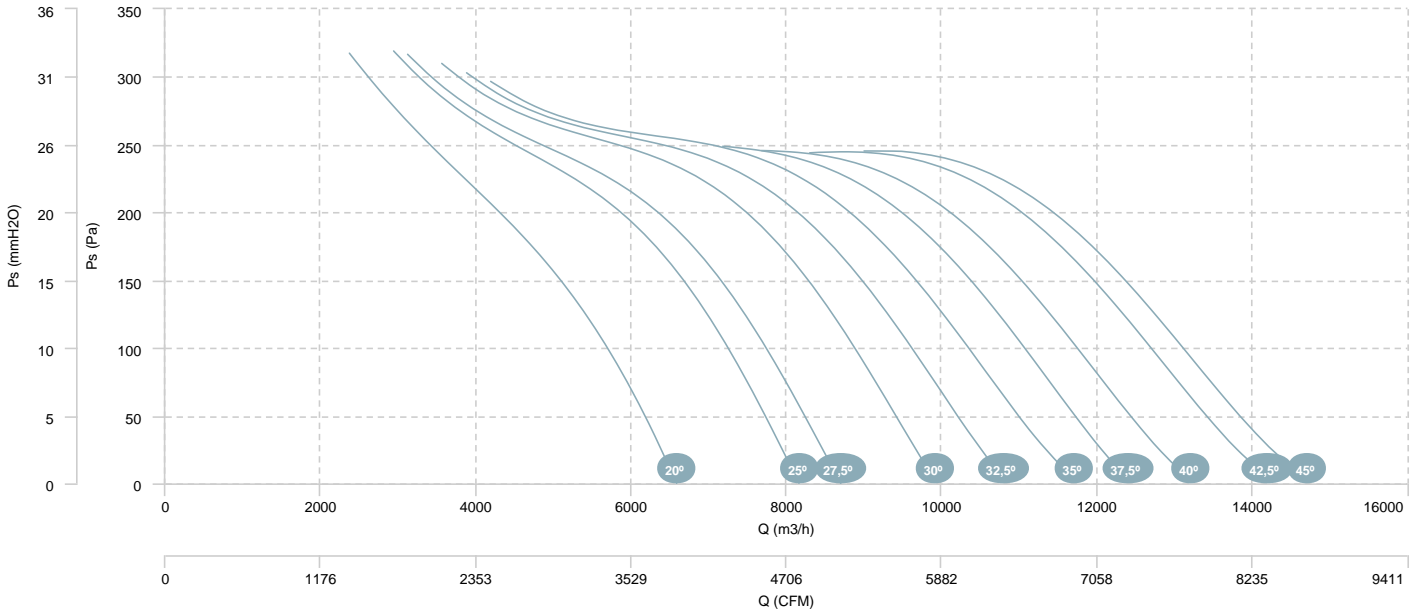


## AIR FLOW - MECHANICAL POWER

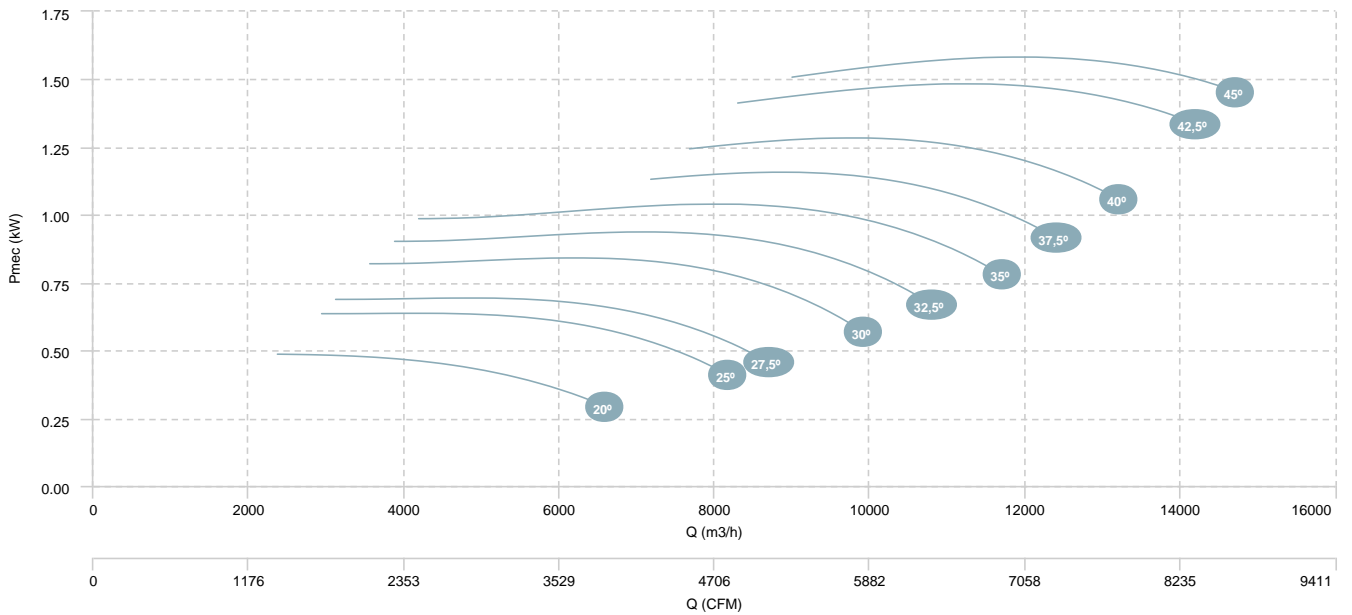


HBA 56 T4 (A2:9)

AIR FLOW - PRESSURE

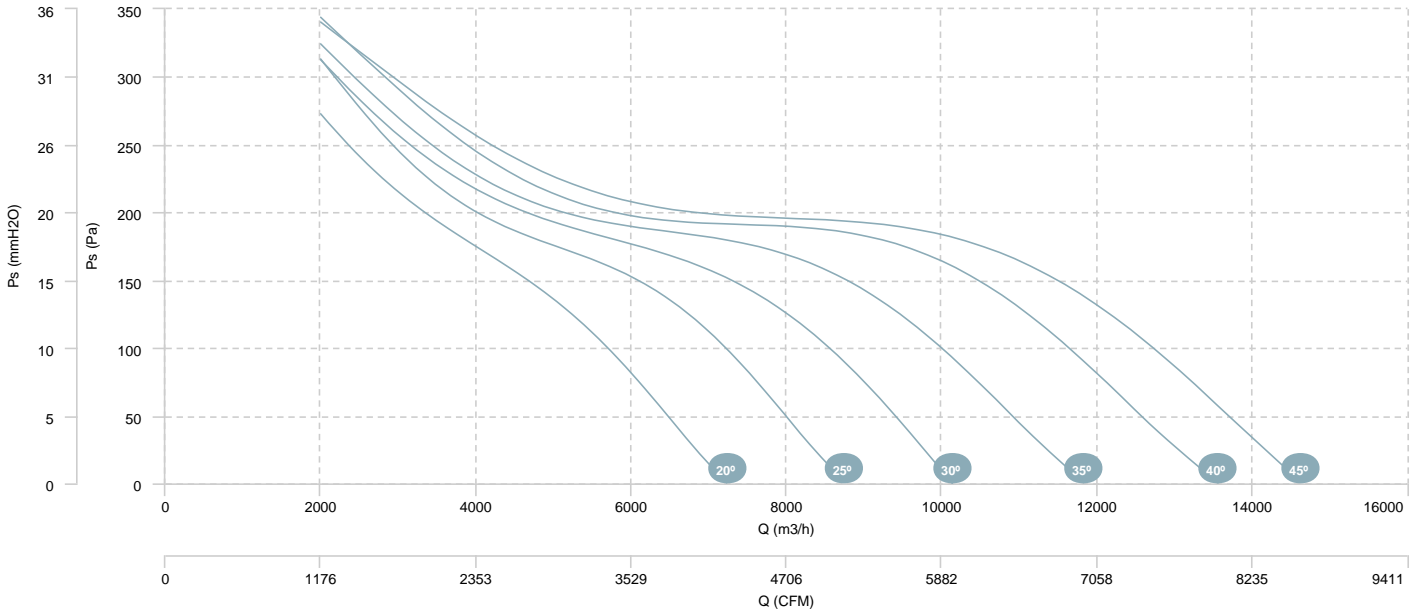


AIR FLOW - MECHANICAL POWER

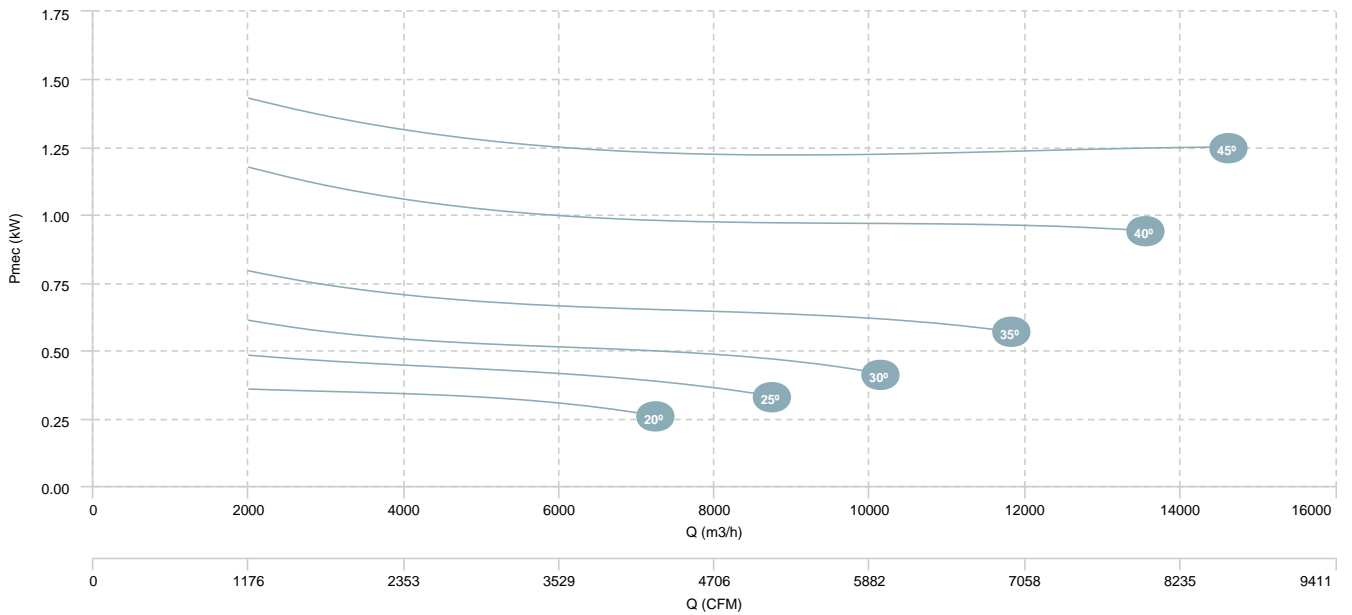


HBA 56 T4 (A5:6)

AIR FLOW - PRESSURE

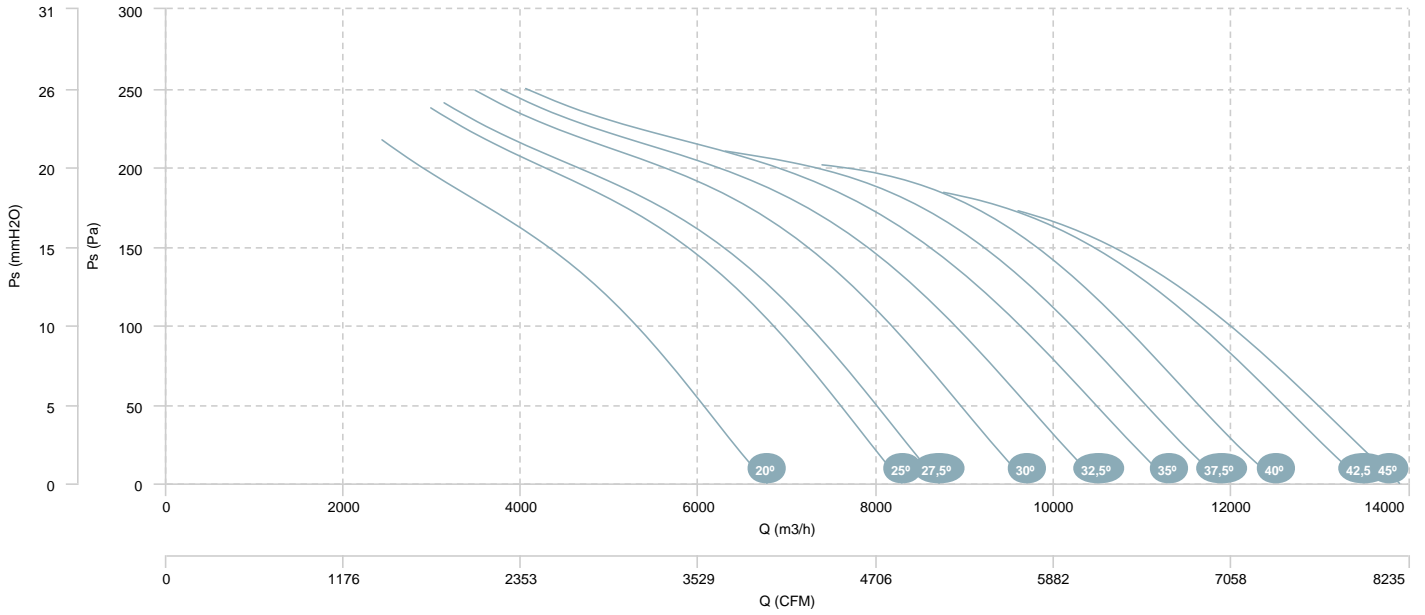


AIR FLOW - MECHANICAL POWER

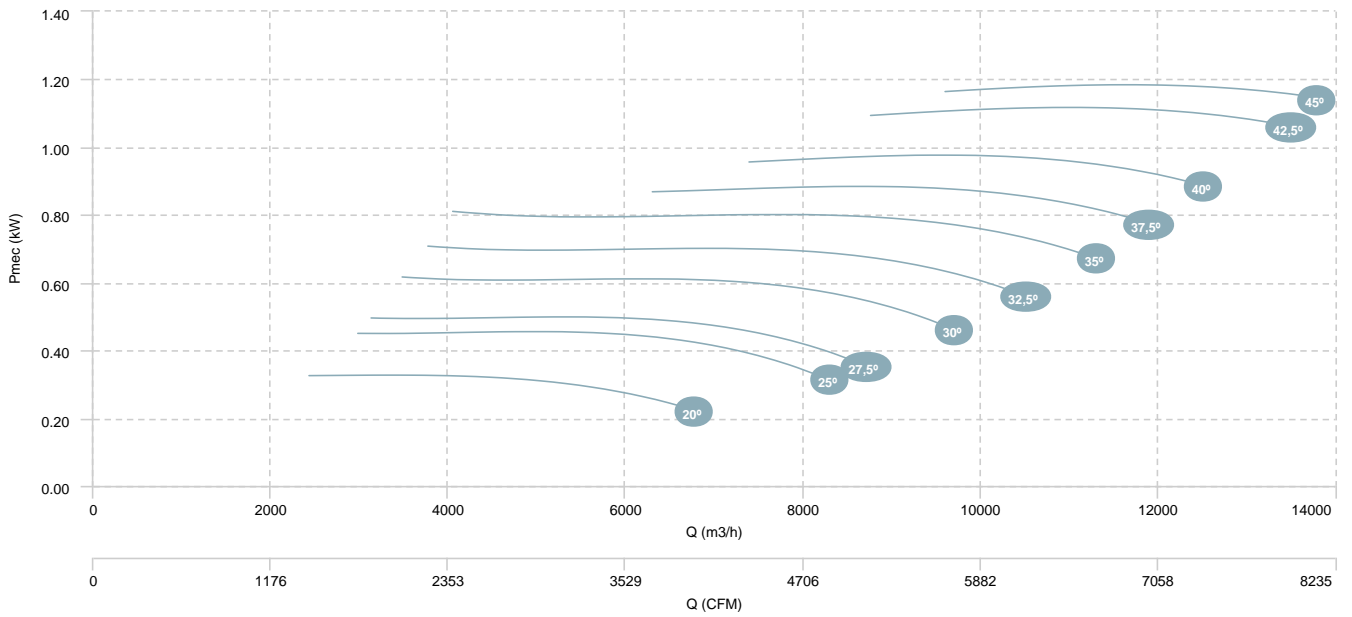


HBA 56 T4 (A2:6)

AIR FLOW - PRESSURE



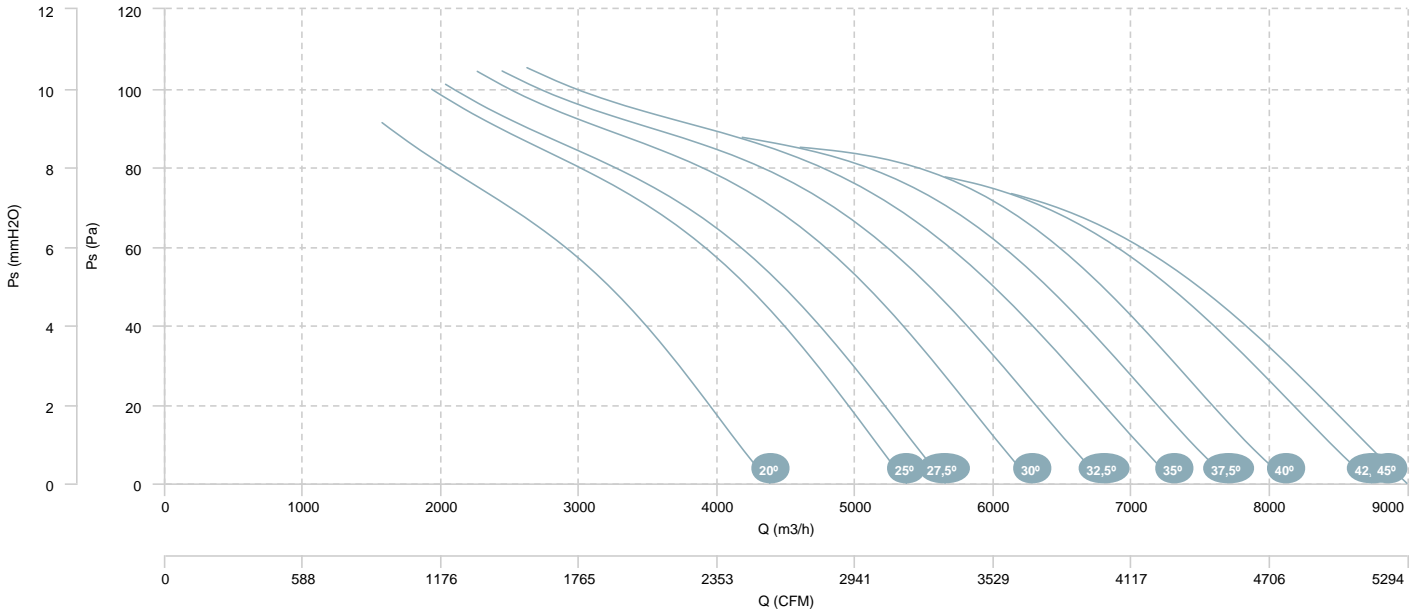
AIR FLOW - MECHANICAL POWER





HBA 56 T6 (A2:6)

AIR FLOW - PRESSURE

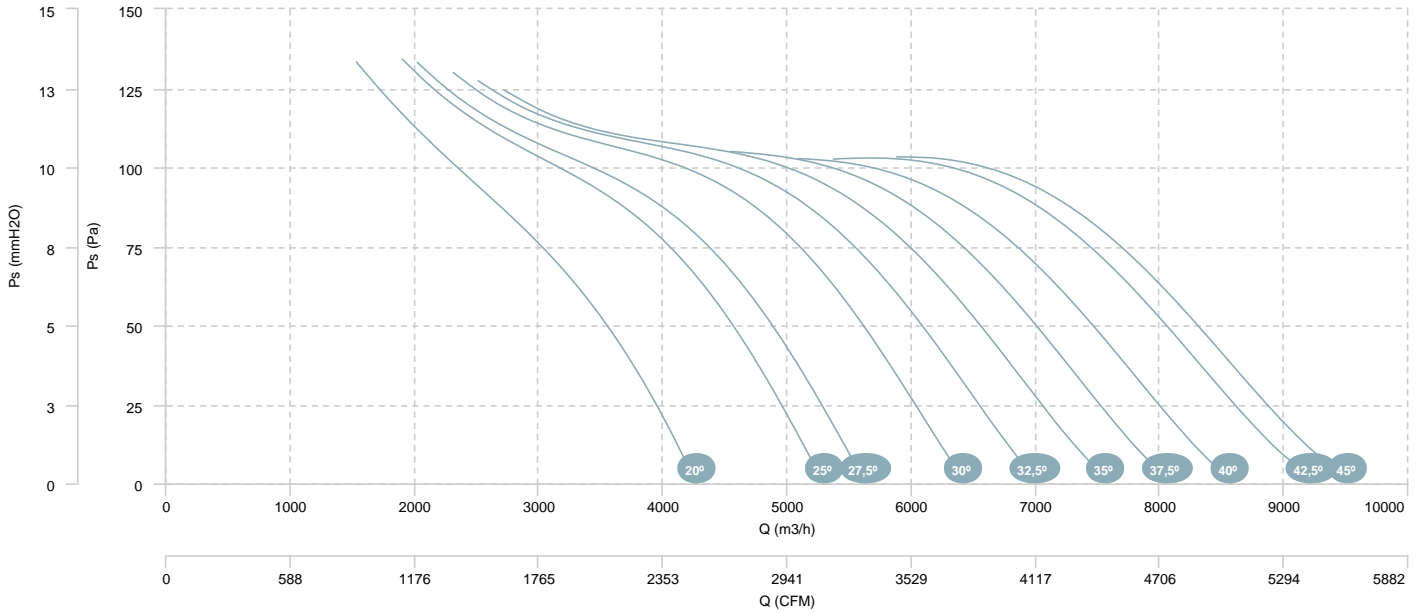


AIR FLOW - MECHANICAL POWER

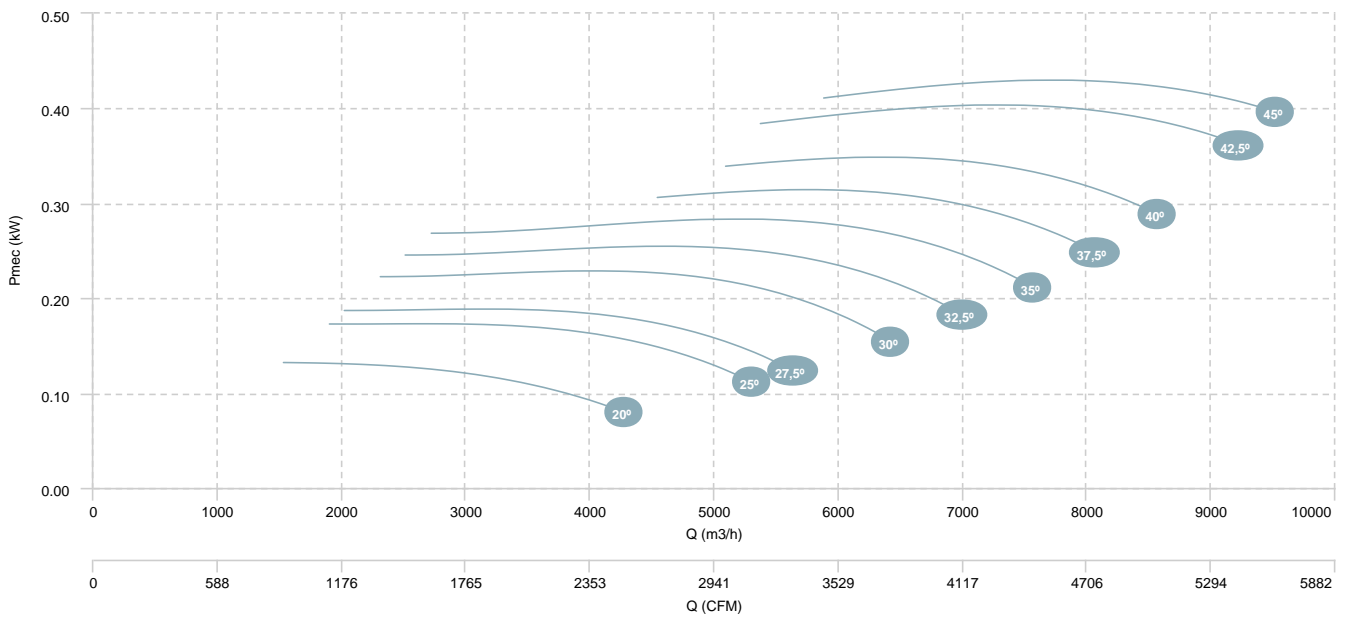


HBA 56 T6 (A2:9)

## AIR FLOW - PRESSURE

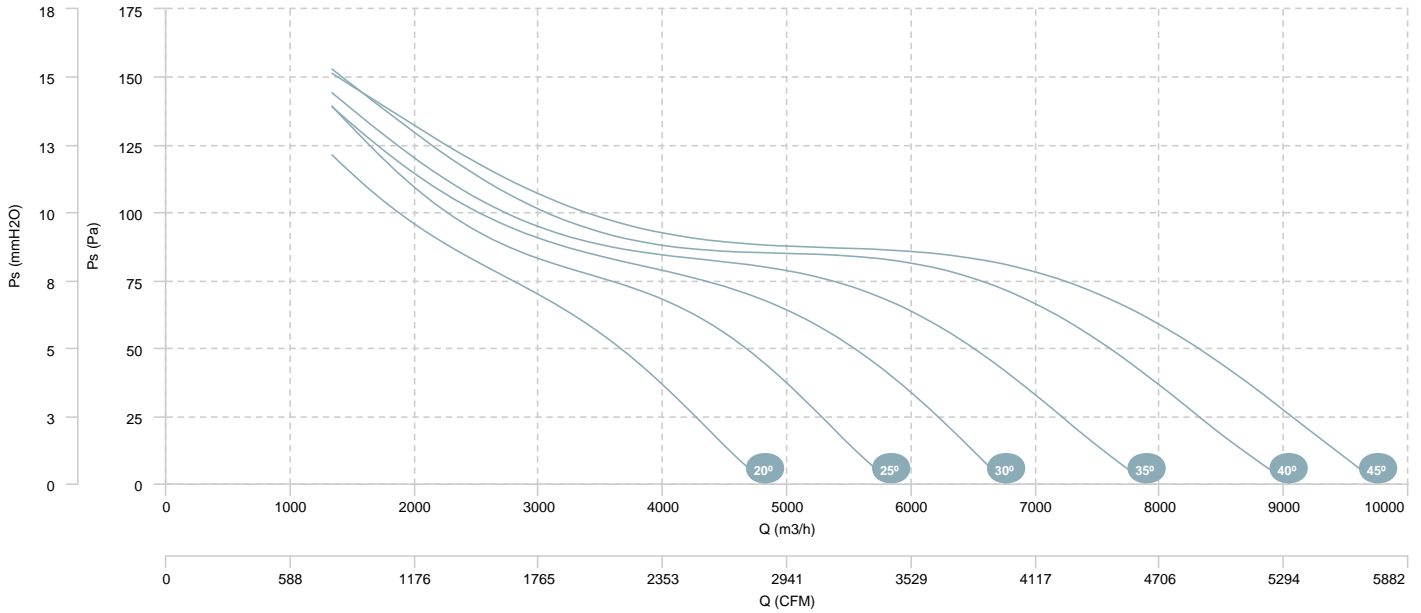


## AIR FLOW - MECHANICAL POWER

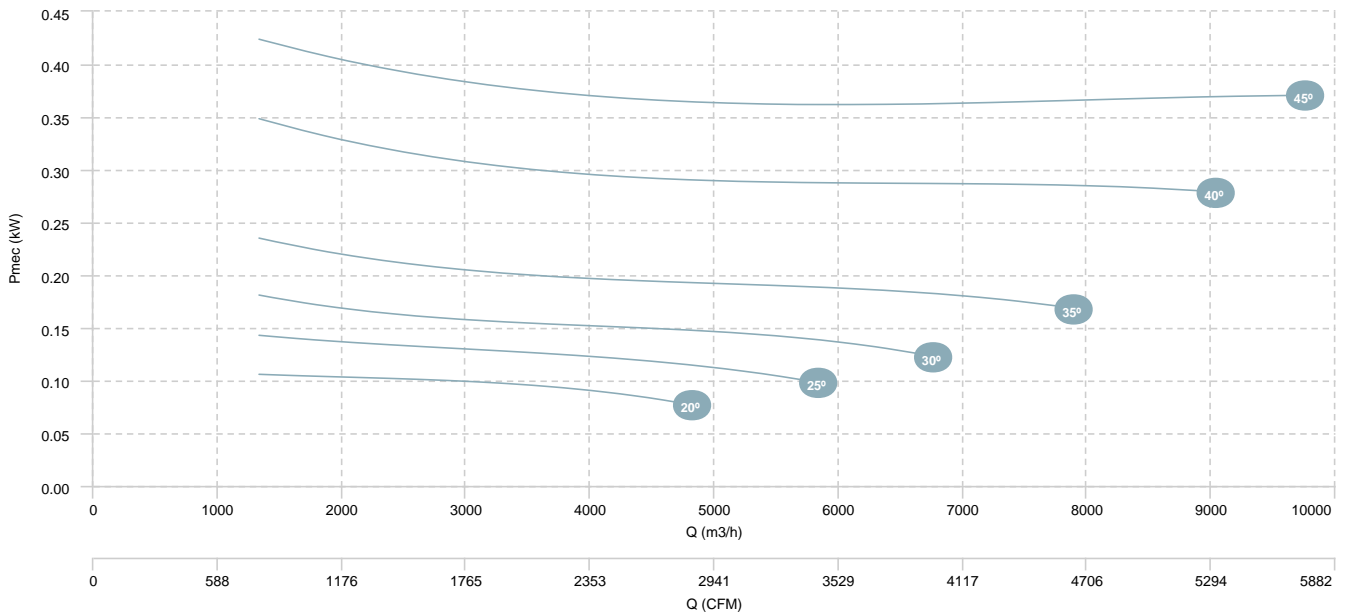


HBA 56 T6 (A5:6)

## AIR FLOW - PRESSURE

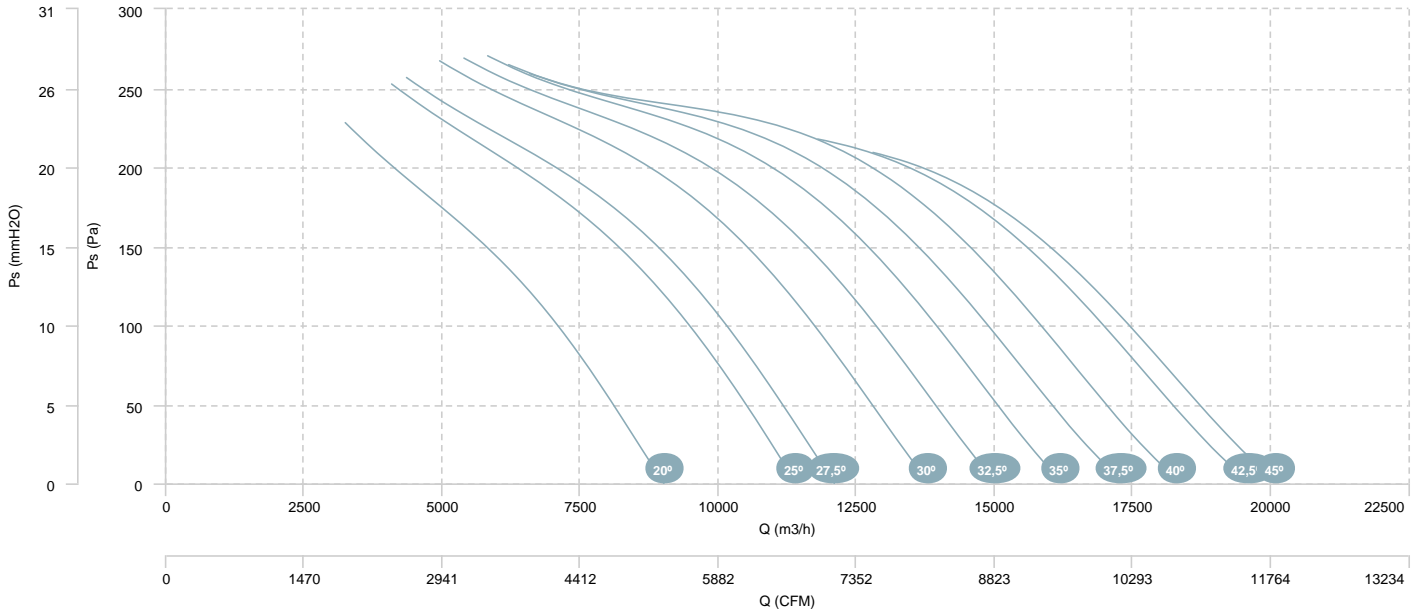


## AIR FLOW - MECHANICAL POWER

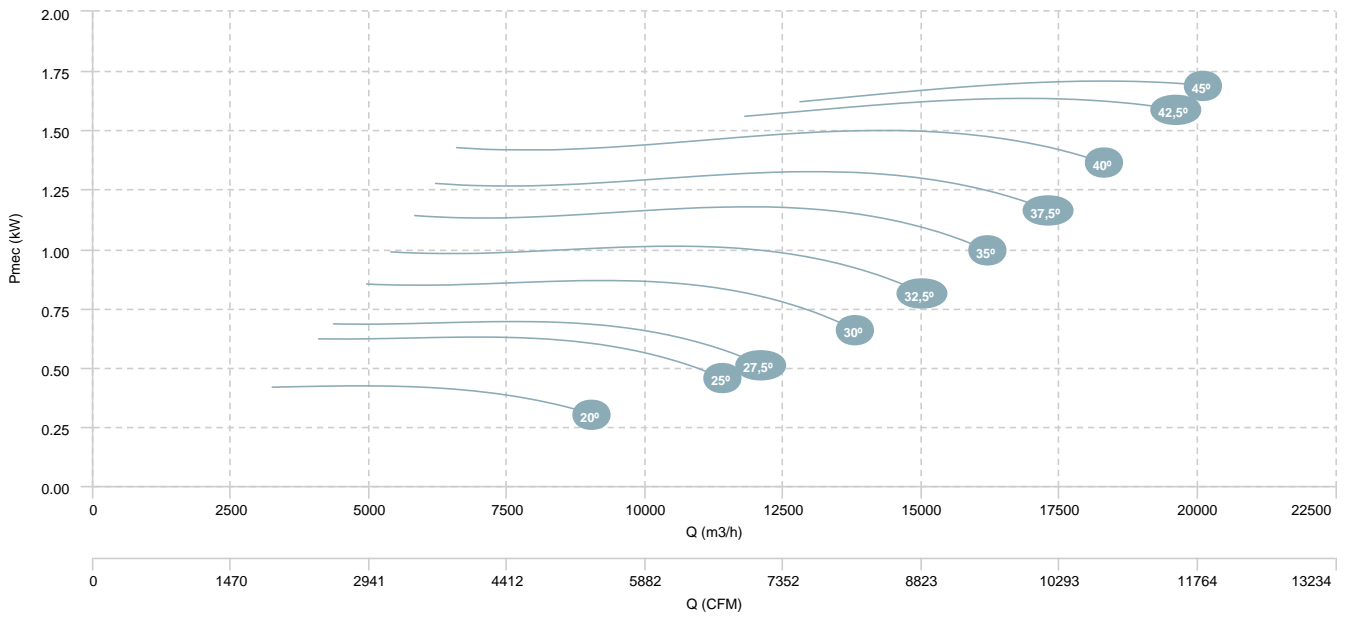


HBA 63 T4 (A2:6)

AIR FLOW - PRESSURE

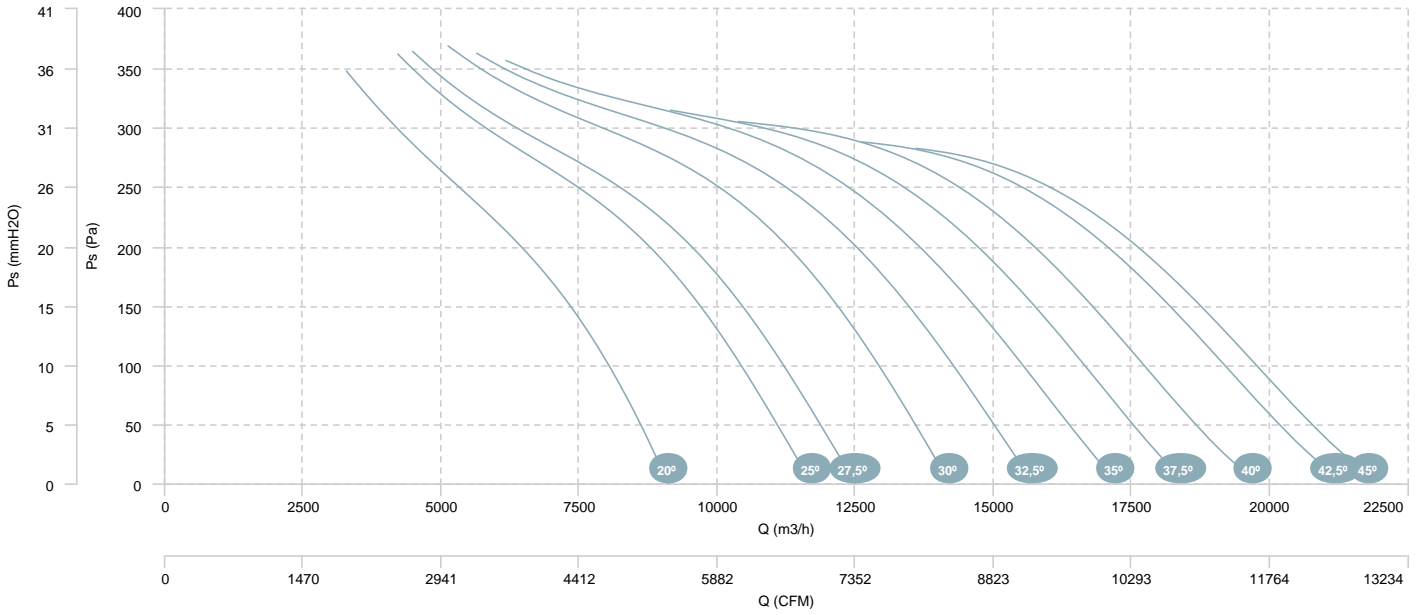


AIR FLOW - MECHANICAL POWER

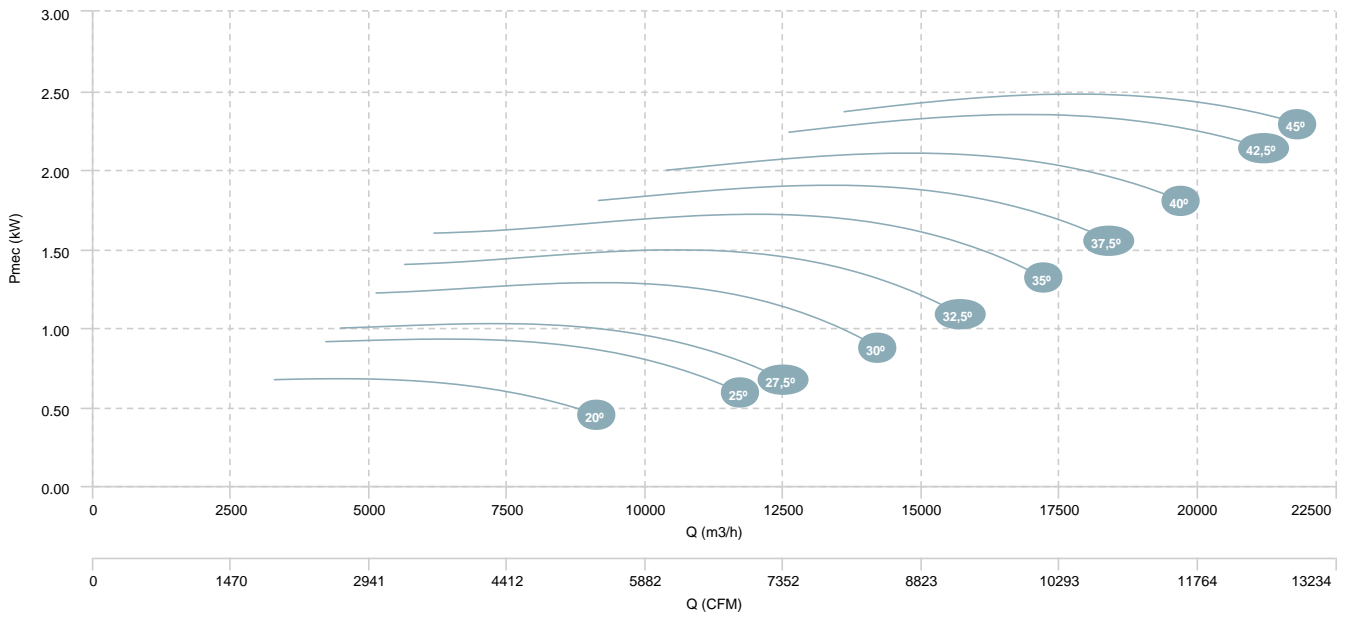


HBA 63 T4 (A2:9)

AIR FLOW - PRESSURE

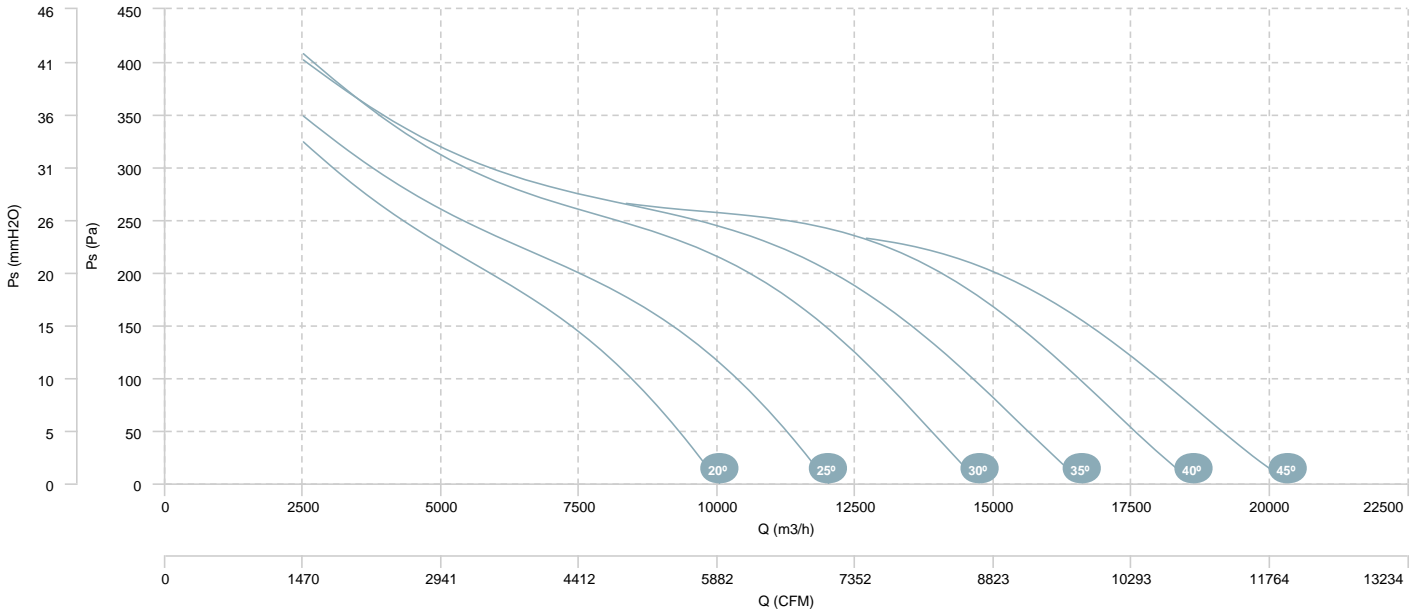


AIR FLOW - MECHANICAL POWER

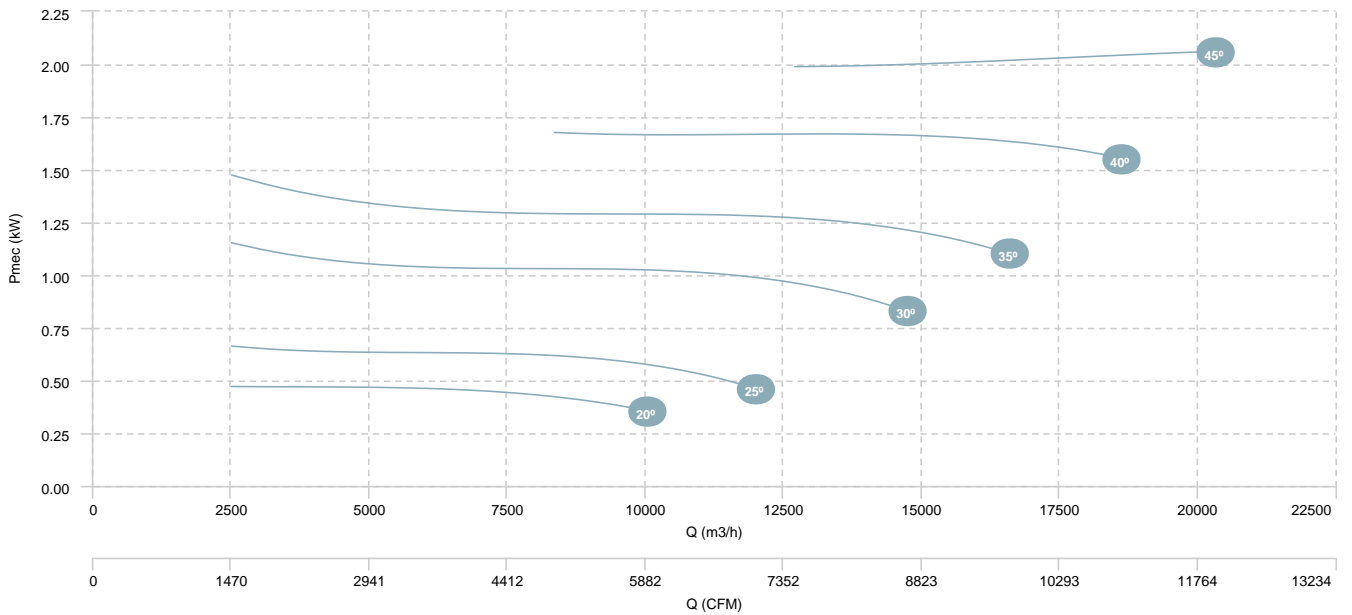


HBA 63 T4 (A5:6)

AIR FLOW - PRESSURE

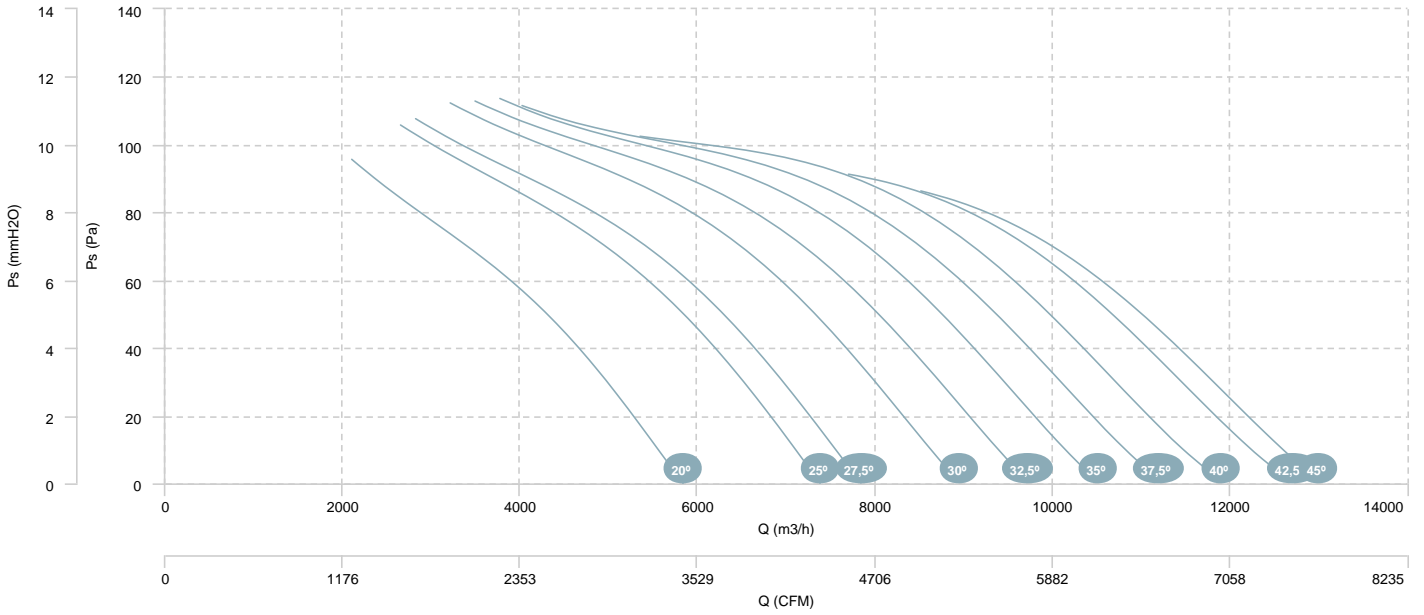


AIR FLOW - MECHANICAL POWER

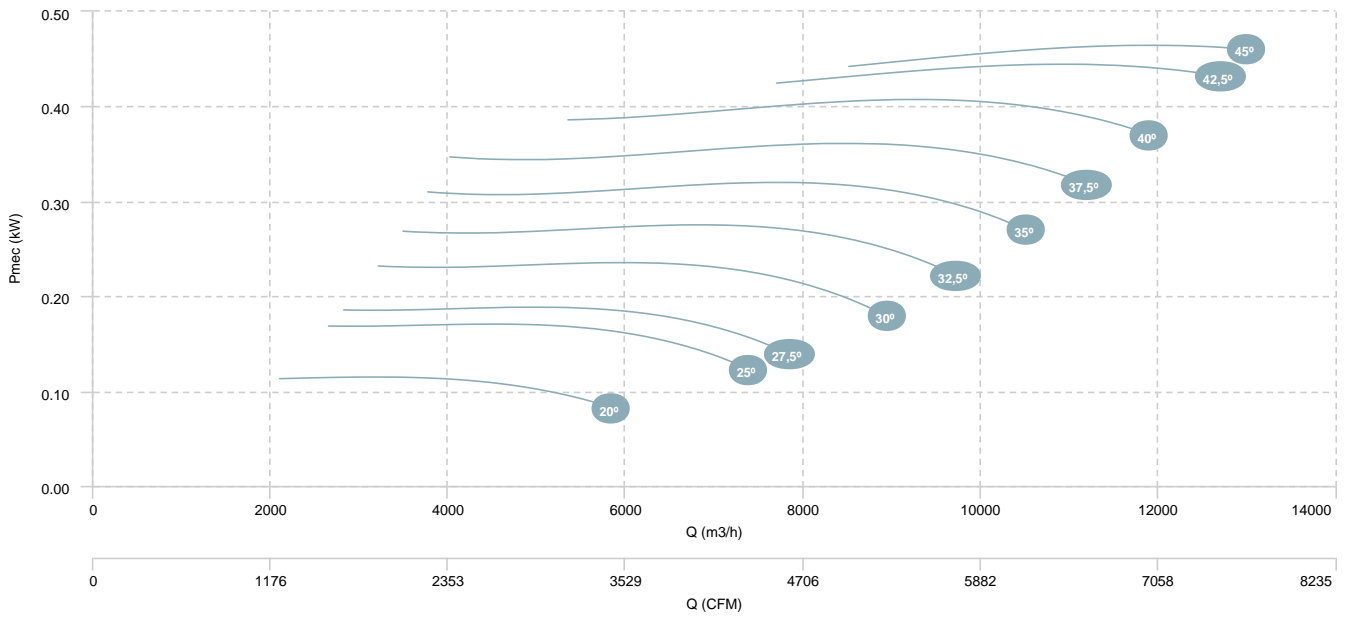


HBA 63 T6 (A2:6)

AIR FLOW - PRESSURE

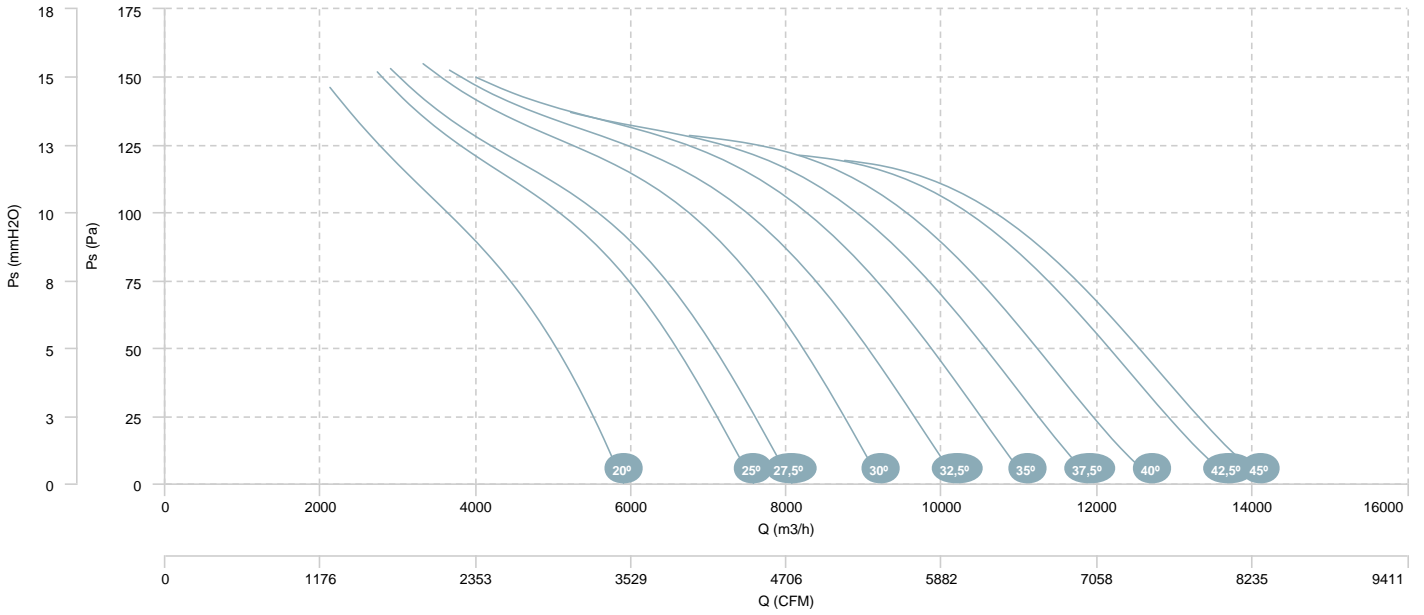


AIR FLOW - MECHANICAL POWER

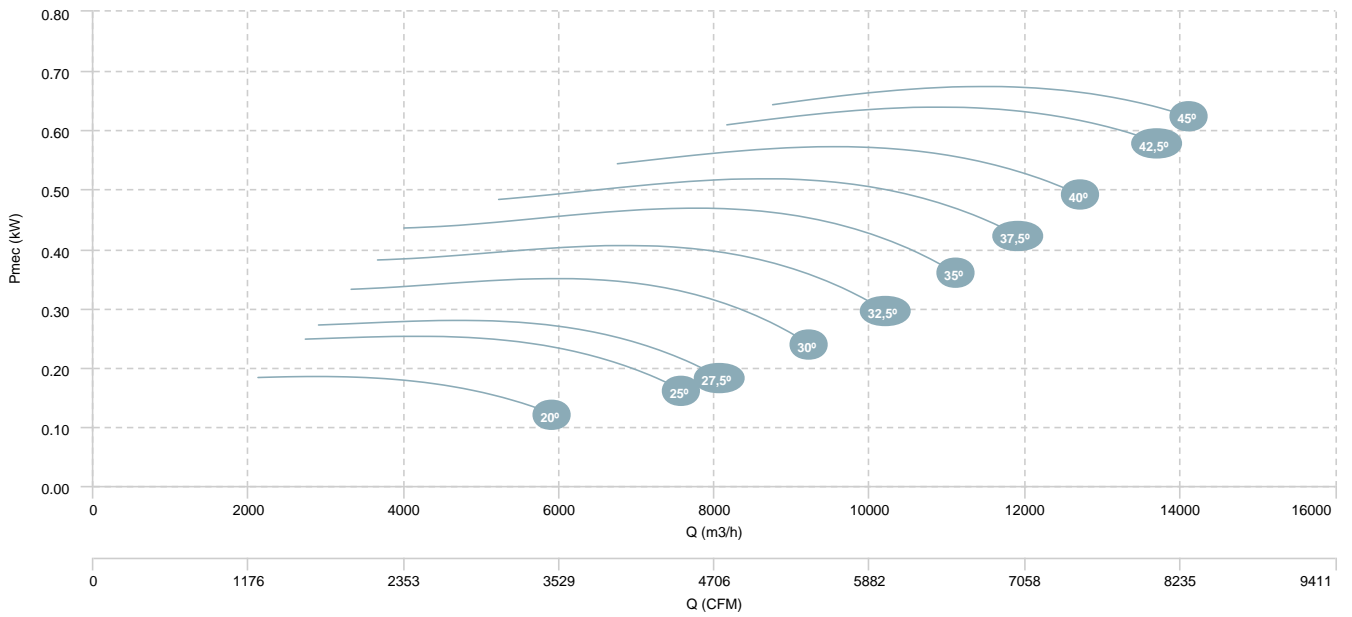


HBA 63 T6 (A2:9)

AIR FLOW - PRESSURE



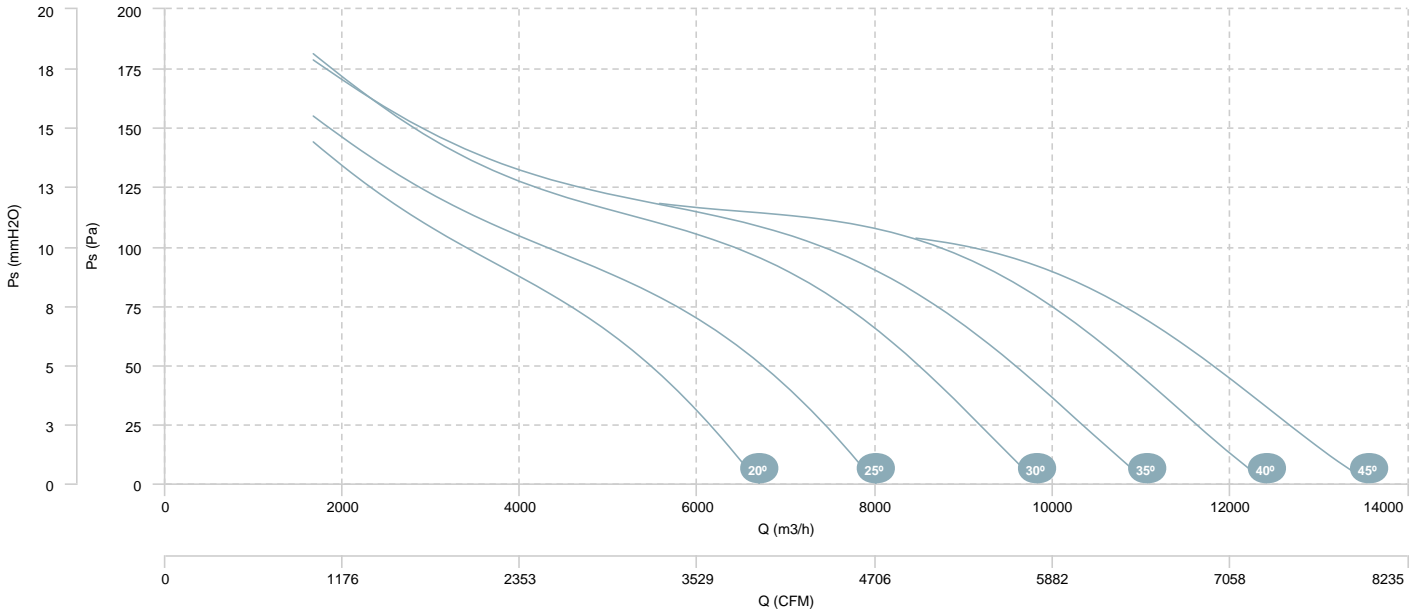
AIR FLOW - MECHANICAL POWER



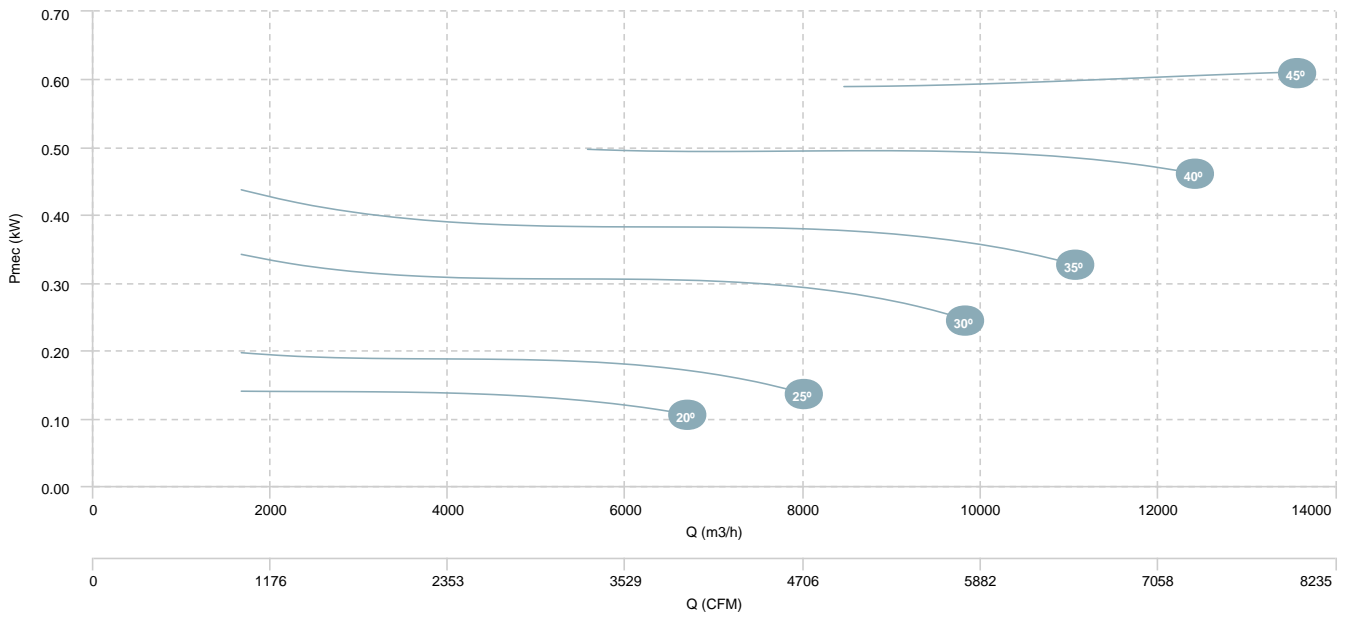


HBA 63 T6 (A5:6)

AIR FLOW - PRESSURE

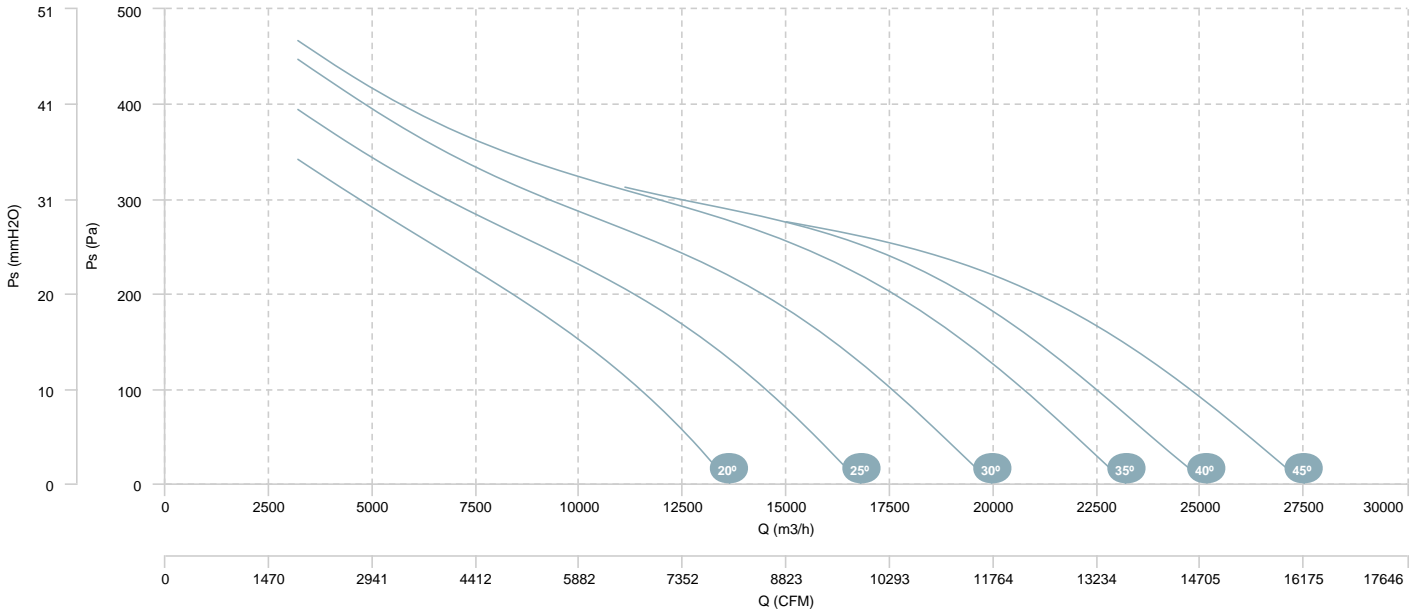


AIR FLOW - MECHANICAL POWER

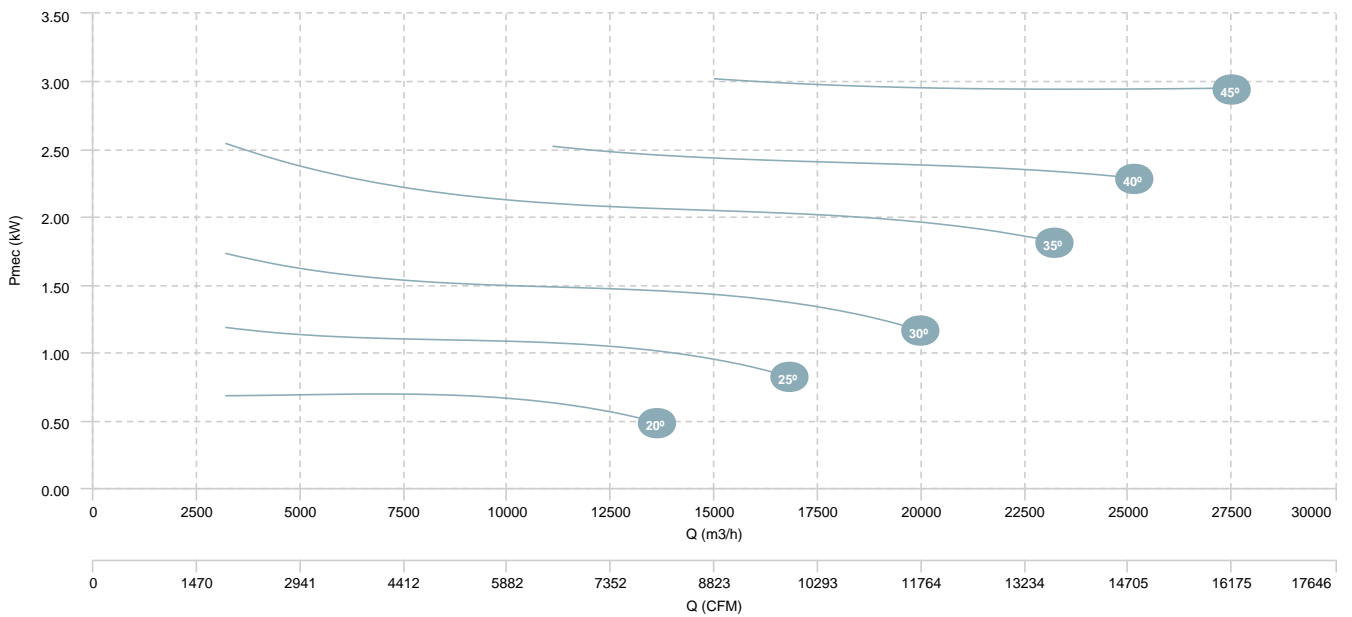


HBA 71 T4 (A5:6)

## AIR FLOW - PRESSURE

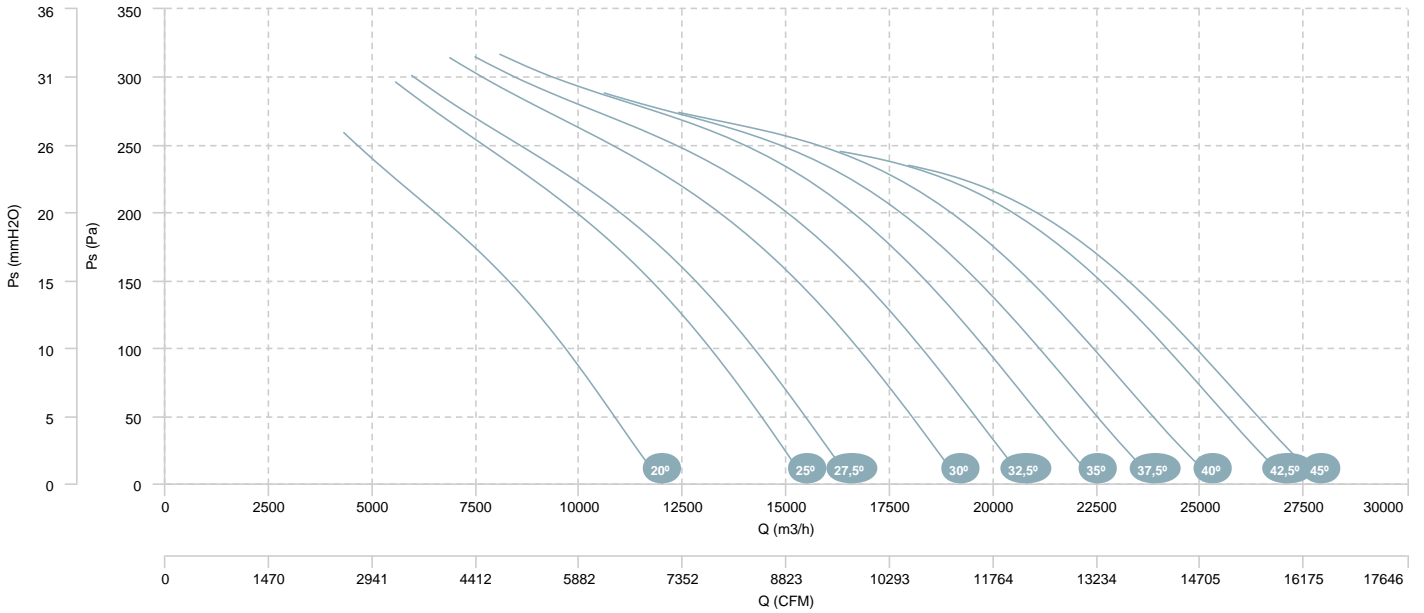


## AIR FLOW - MECHANICAL POWER

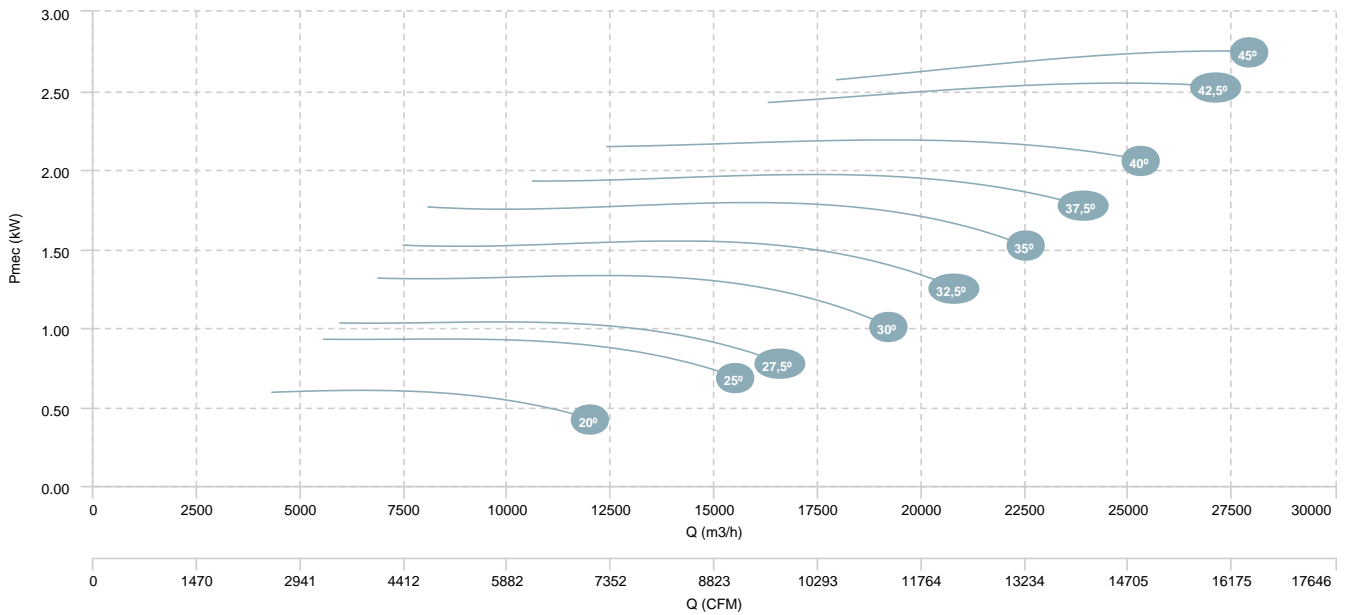


HBA 71 T4 (A2:6)

## AIR FLOW - PRESSURE

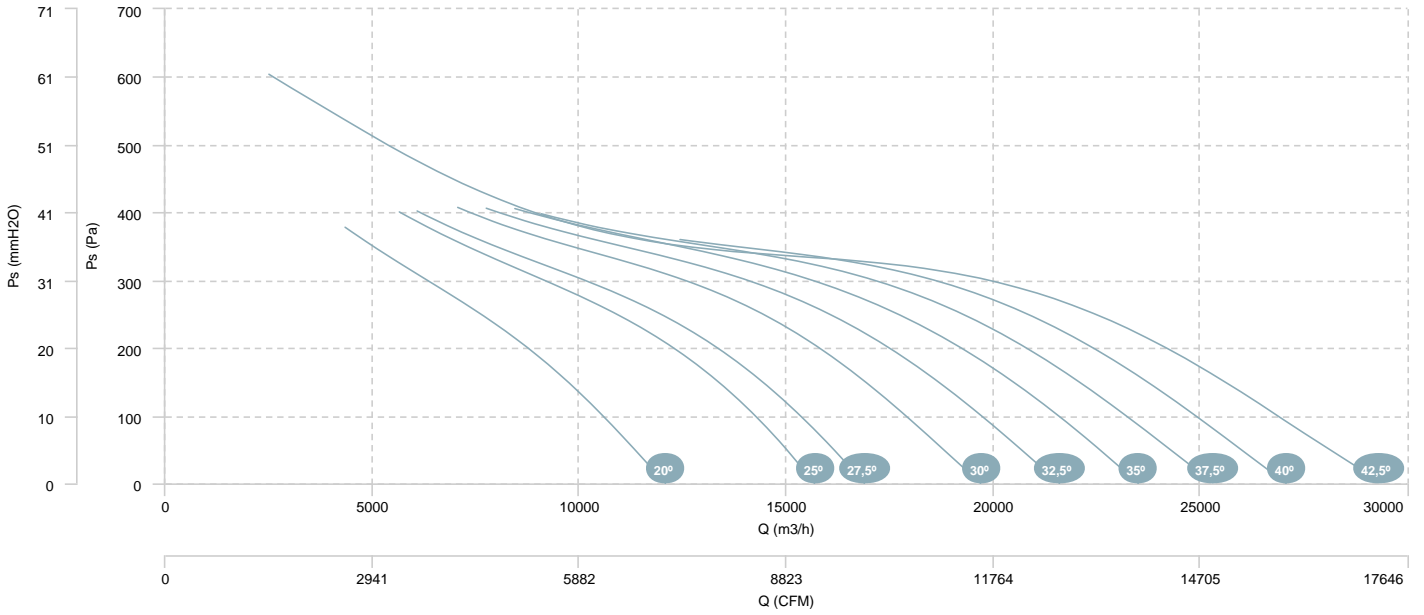


## AIR FLOW - MECHANICAL POWER

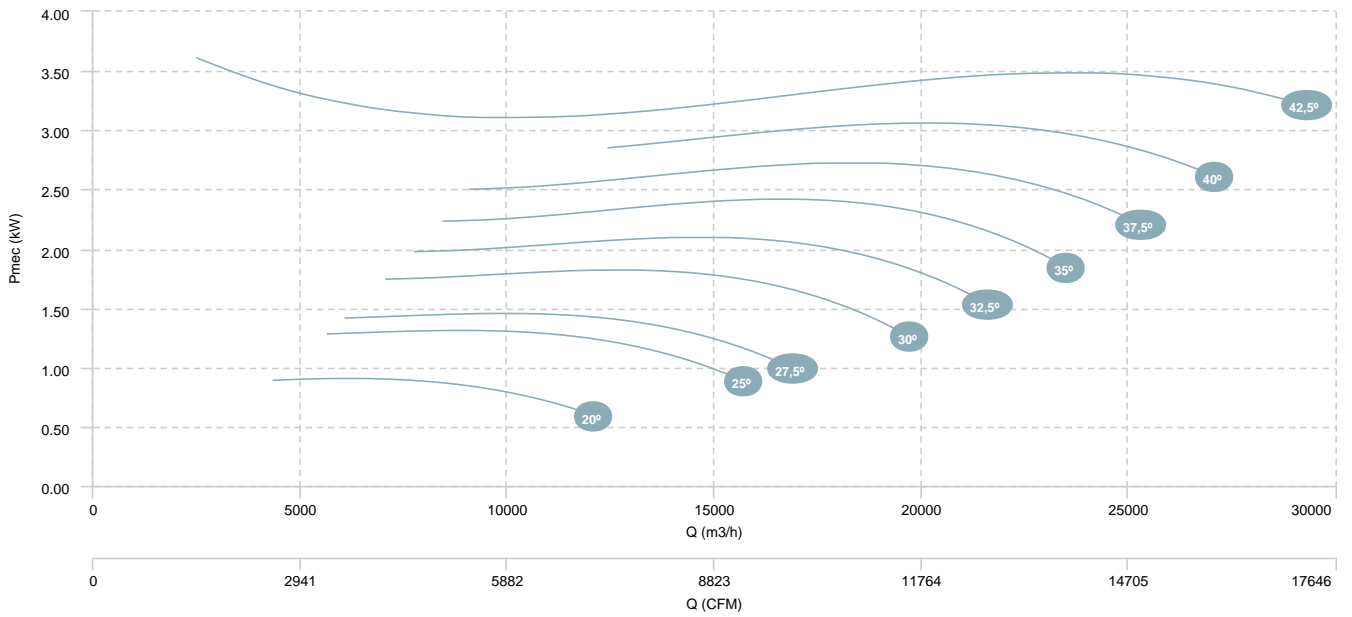


HBA 71 T4 (A2:9)

## AIR FLOW - PRESSURE

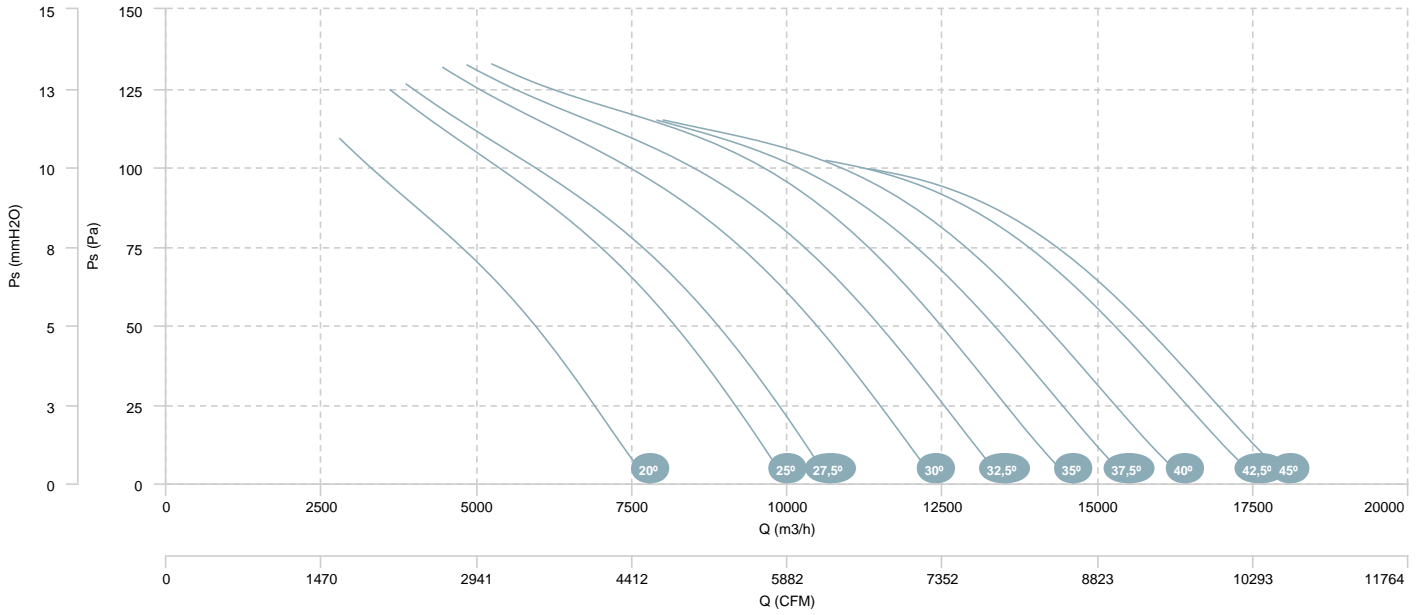


## AIR FLOW - MECHANICAL POWER

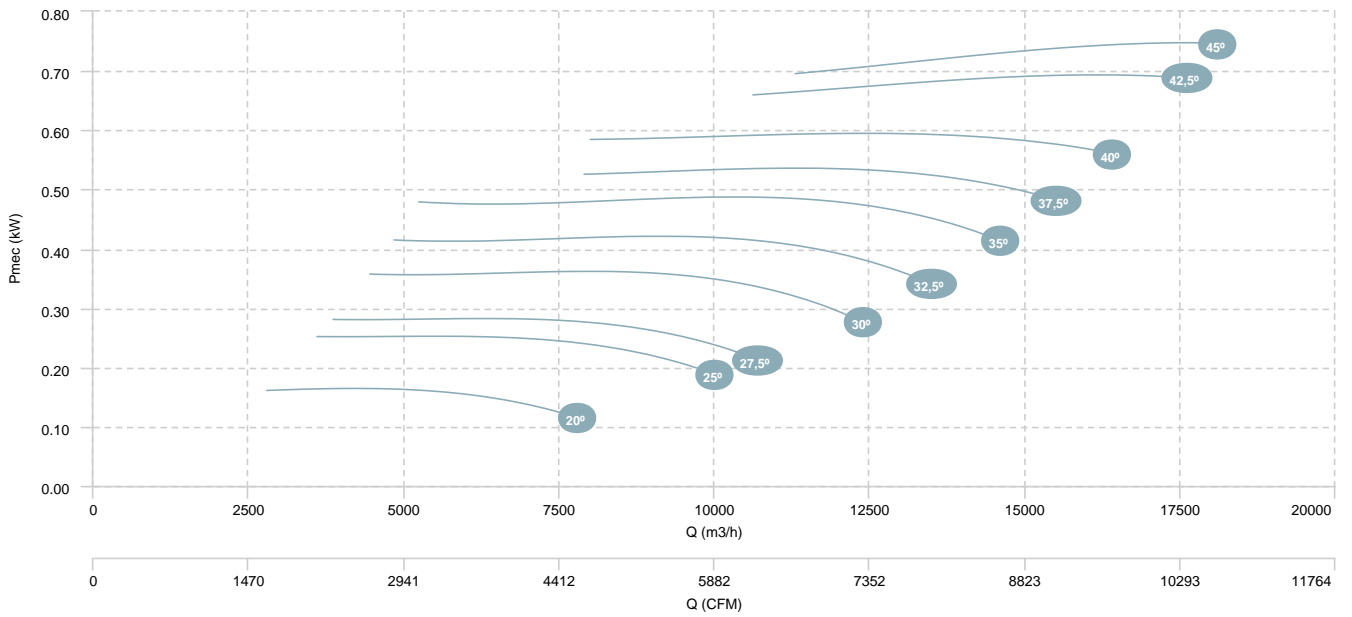


HBA 71 T6 (A2:6)

AIR FLOW - PRESSURE

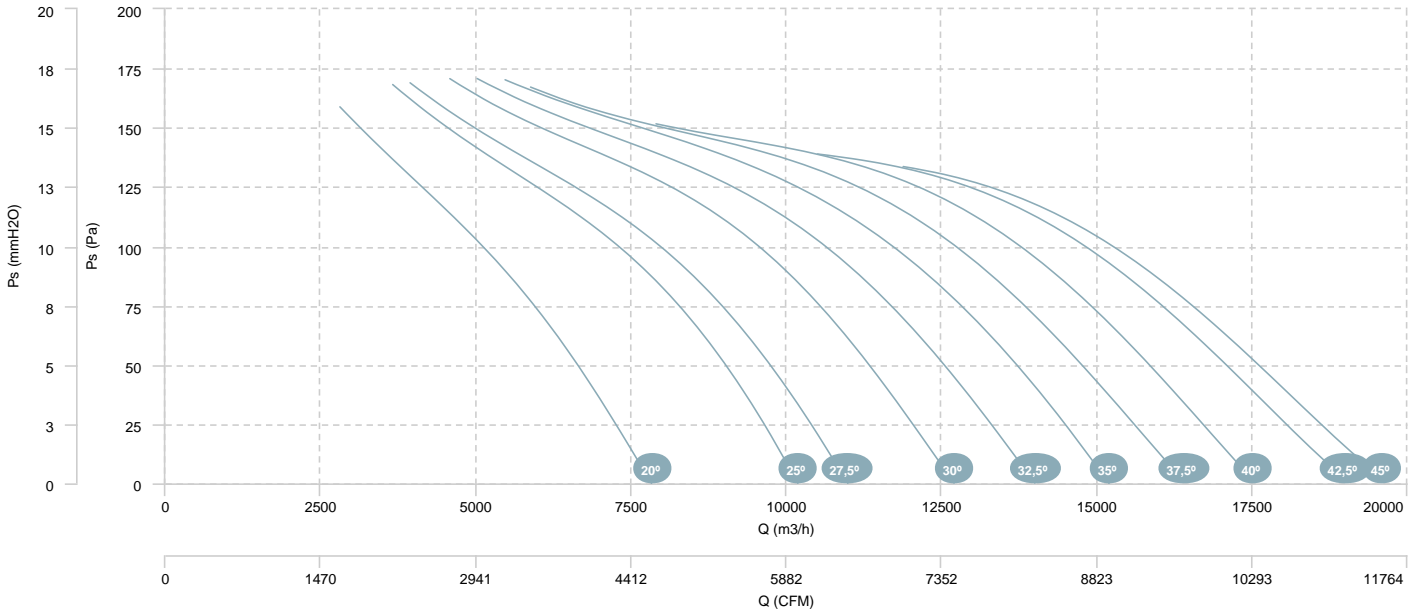


AIR FLOW - MECHANICAL POWER

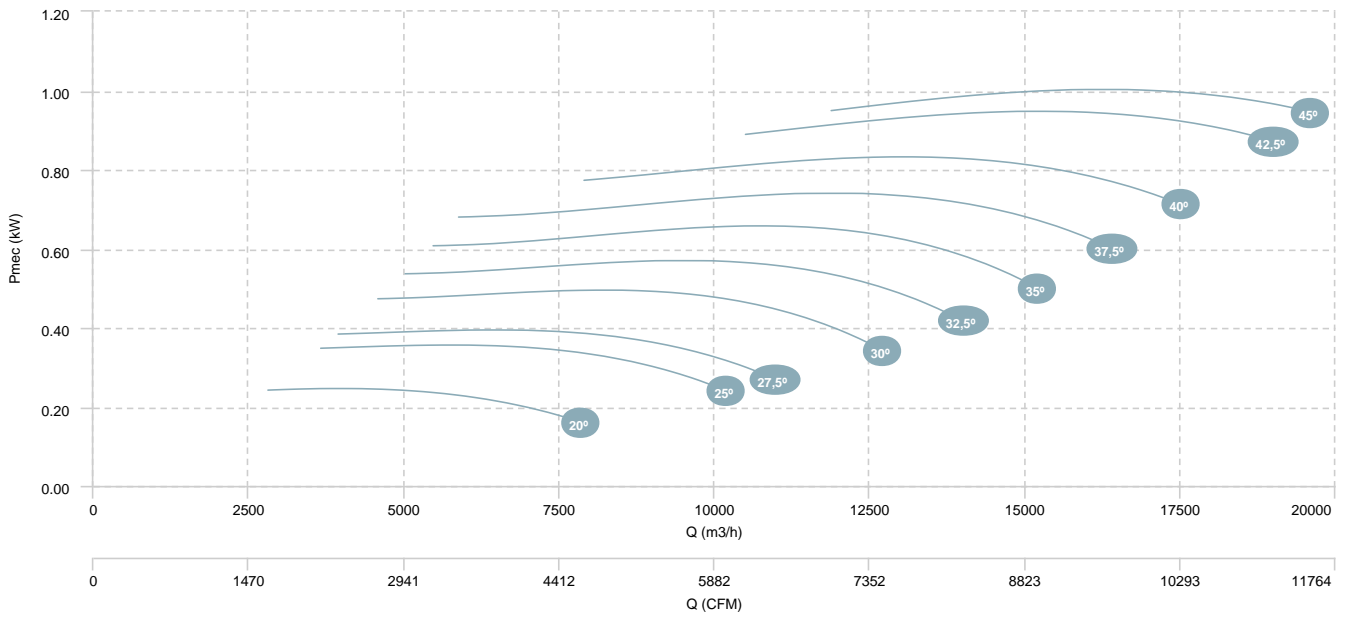


HBA 71 T6 (A2:9)

AIR FLOW - PRESSURE

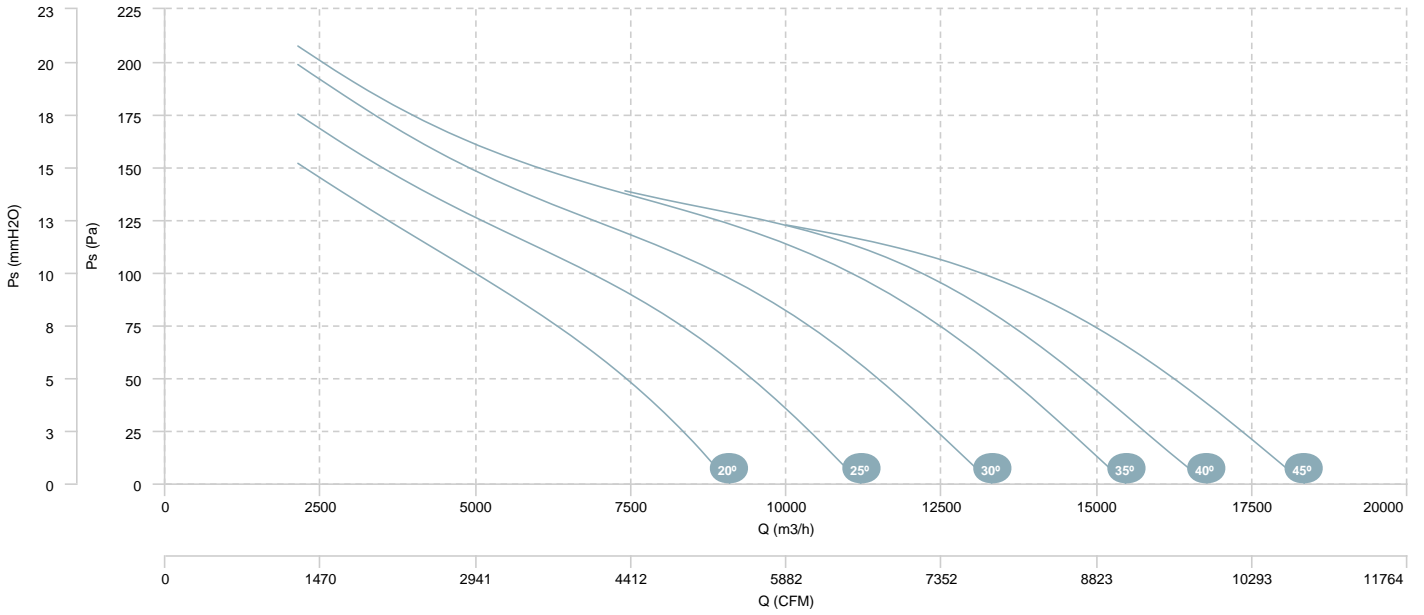


AIR FLOW - MECHANICAL POWER

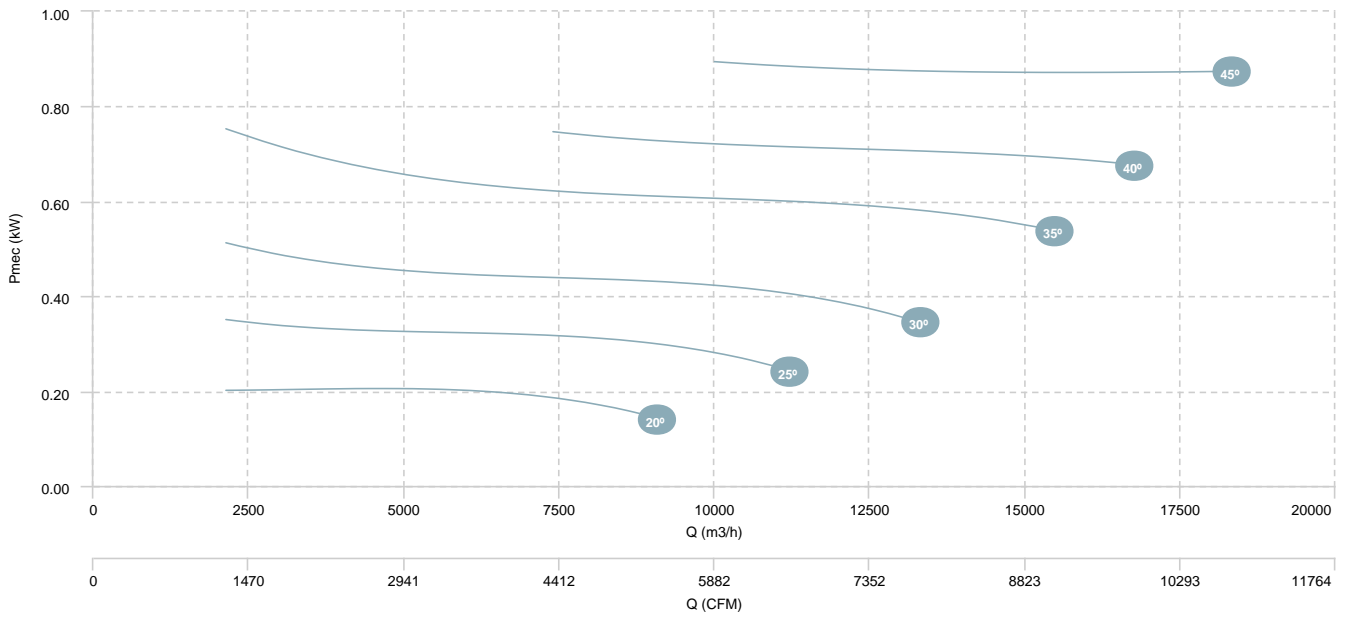


HBA 71 T6 (A5:6)

AIR FLOW - PRESSURE

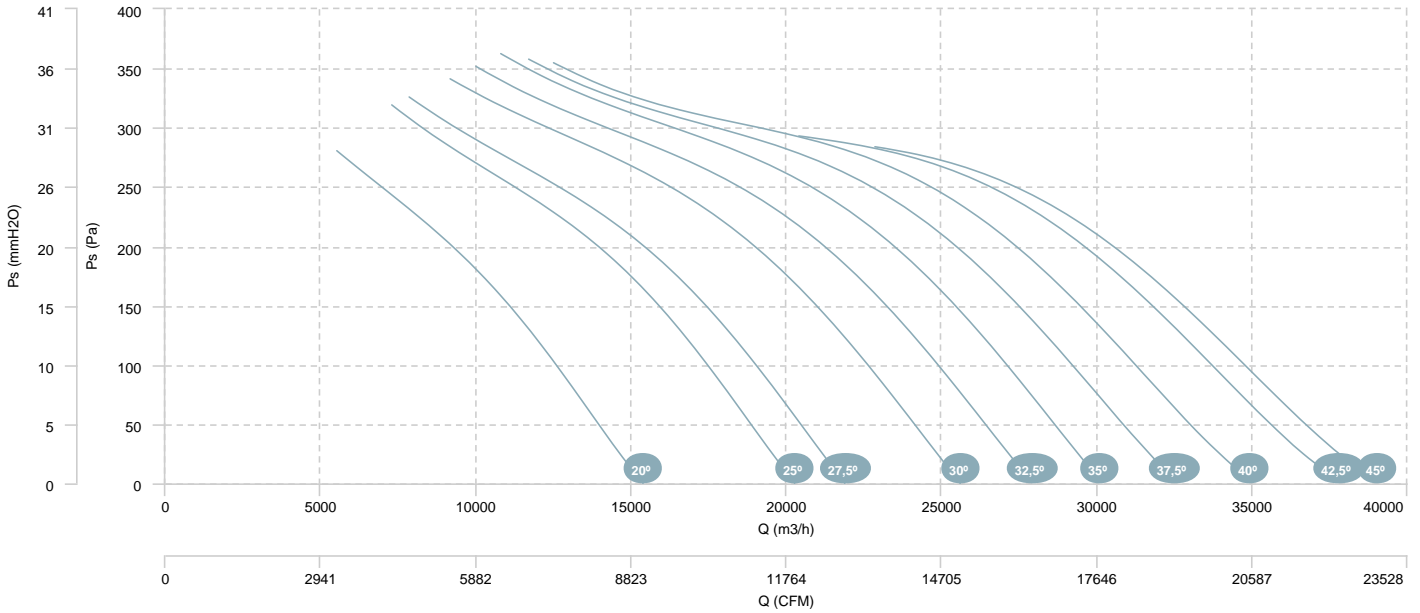


AIR FLOW - MECHANICAL POWER

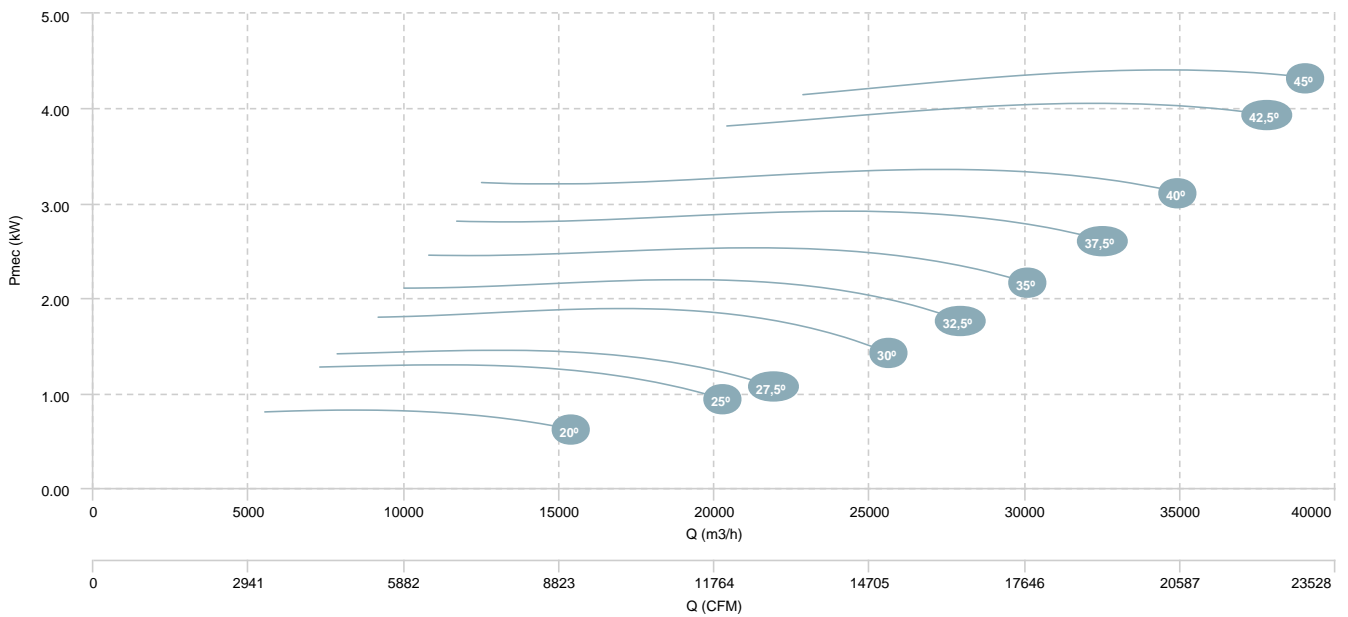


HBA 80 T4 (A2:6)

## AIR FLOW - PRESSURE



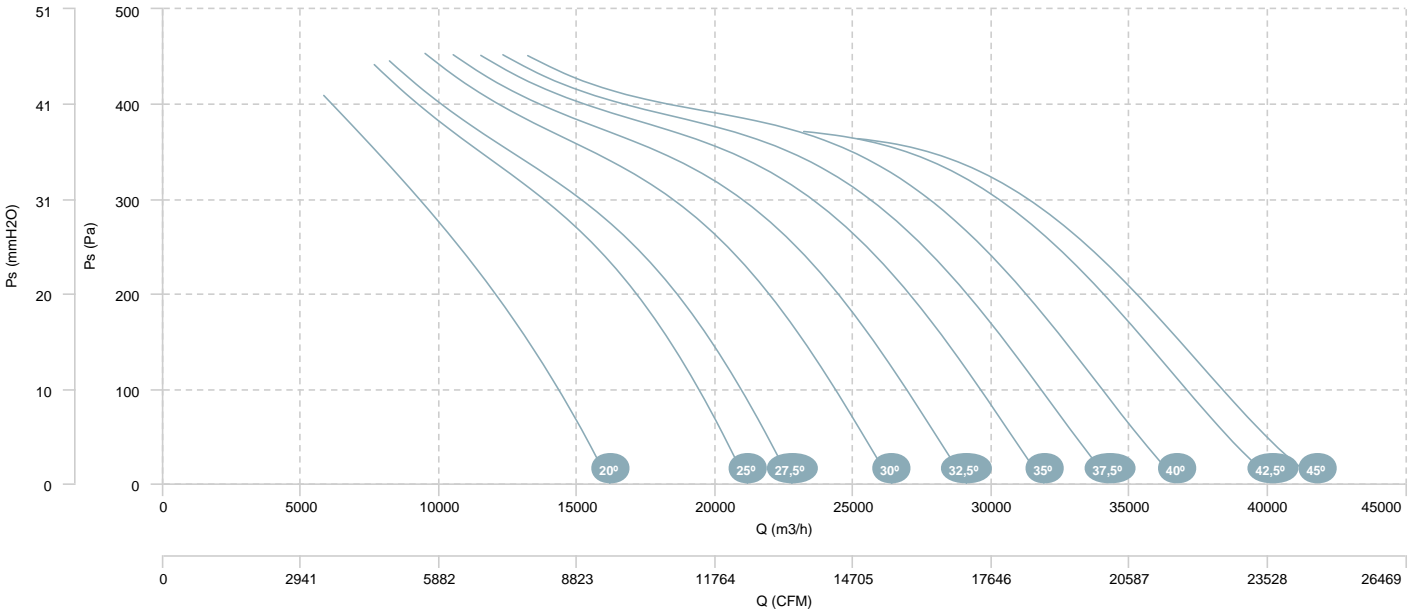
## AIR FLOW - MECHANICAL POWER



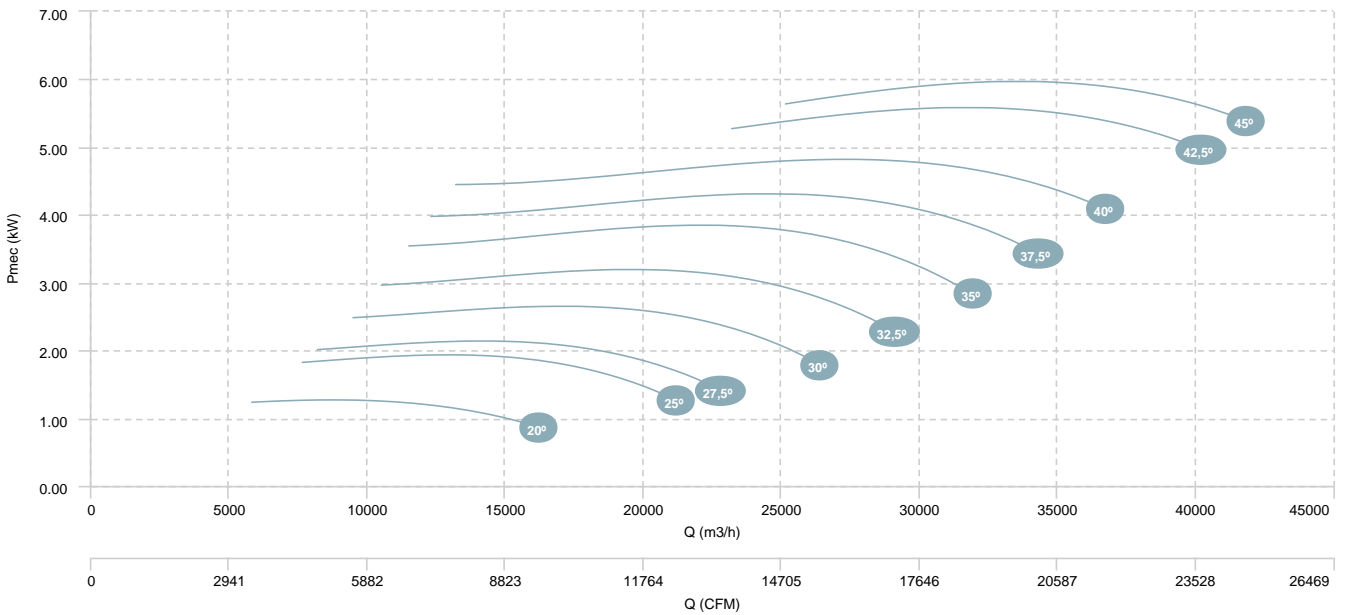


HBA 80 T4 (A2:9)

## AIR FLOW - PRESSURE

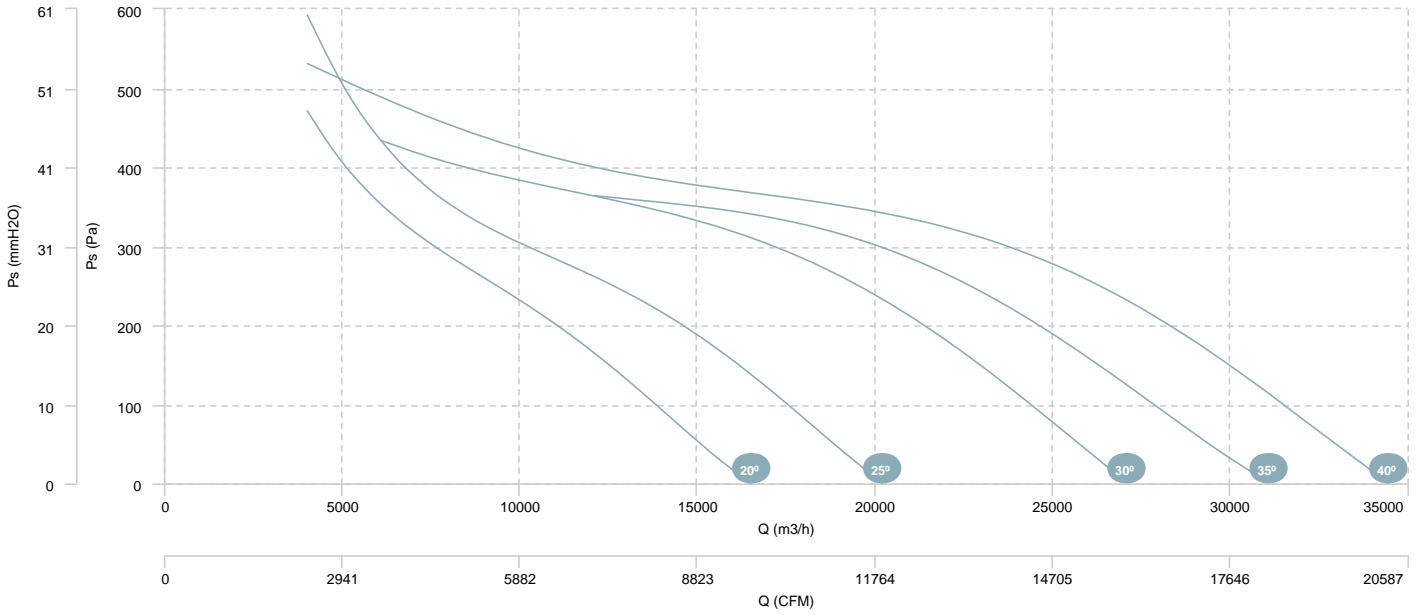


## AIR FLOW - MECHANICAL POWER

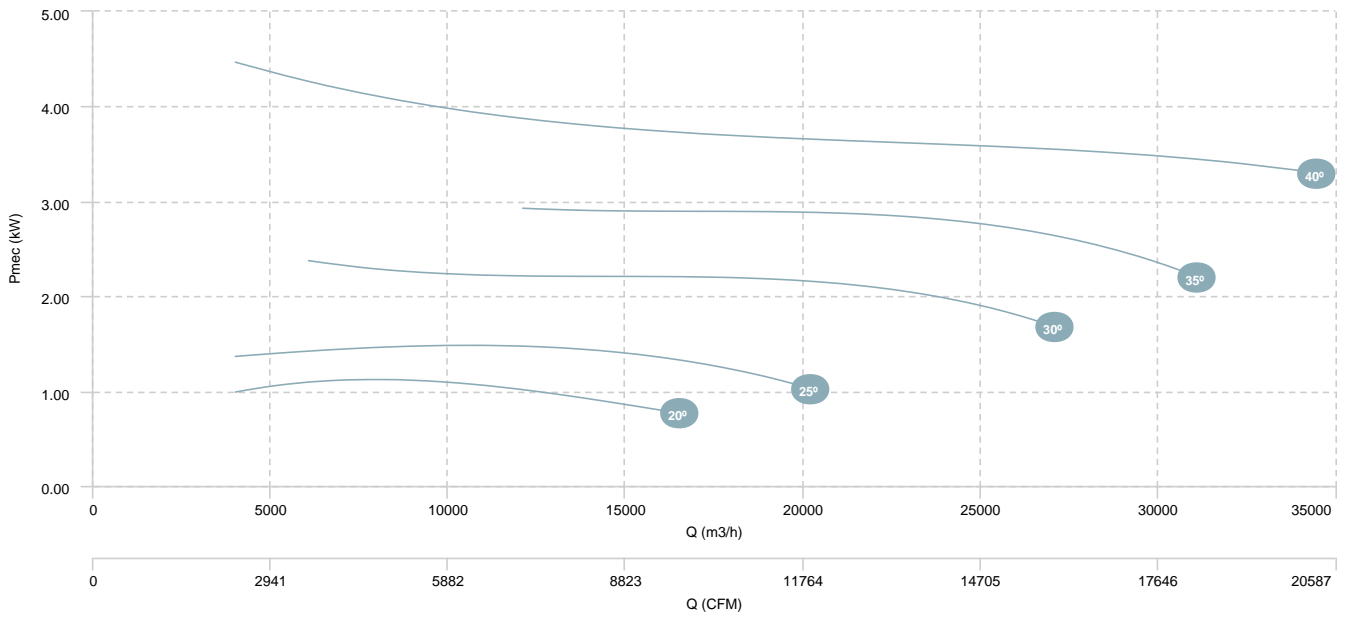


HBA 80 T4 (A5:6)

AIR FLOW - PRESSURE

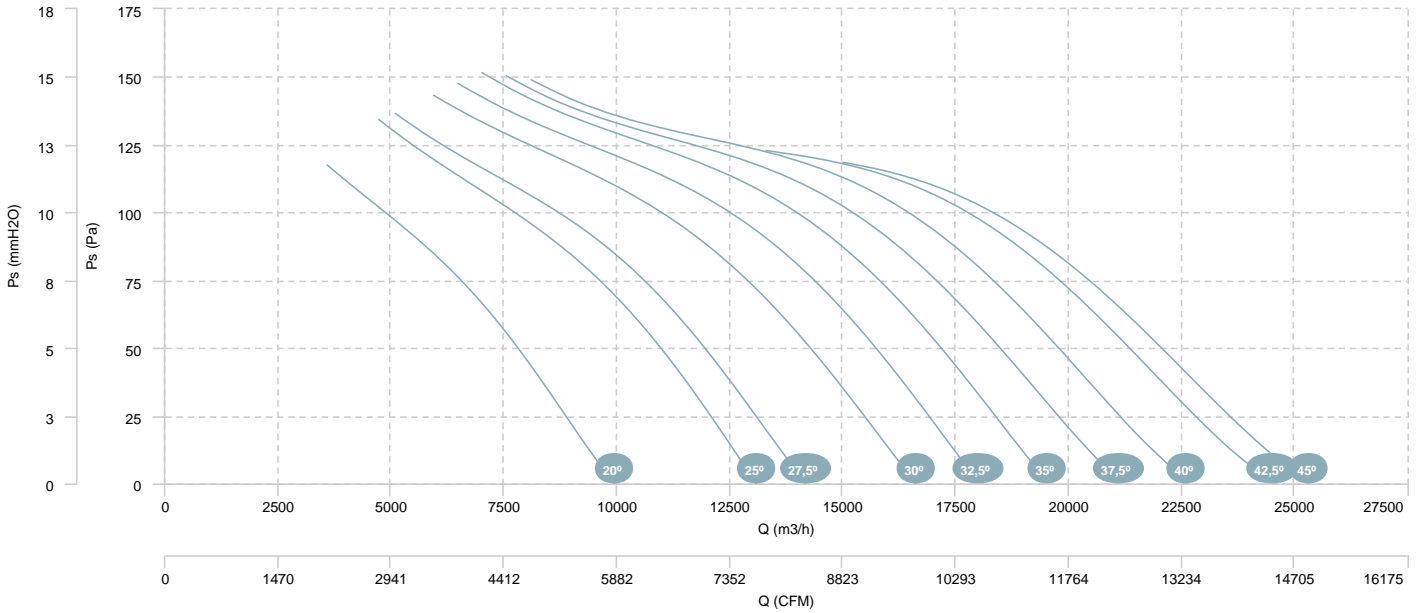


AIR FLOW - MECHANICAL POWER

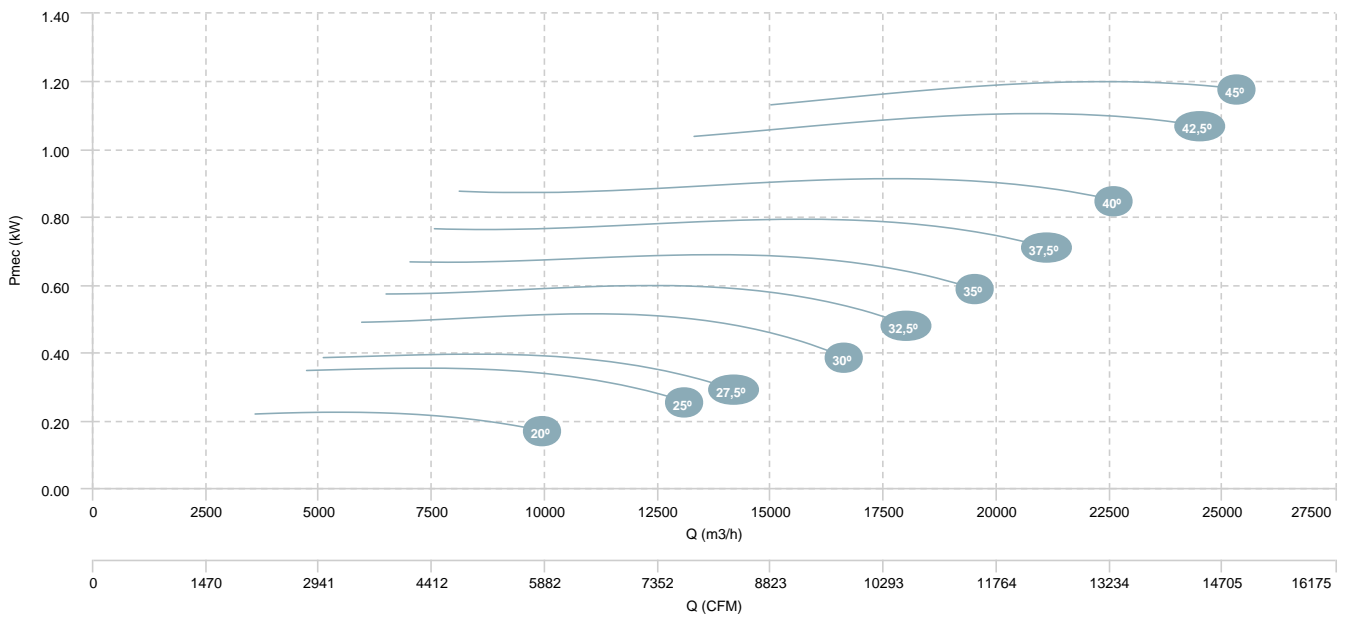


HBA 80 T6 (A2:6)

## AIR FLOW - PRESSURE

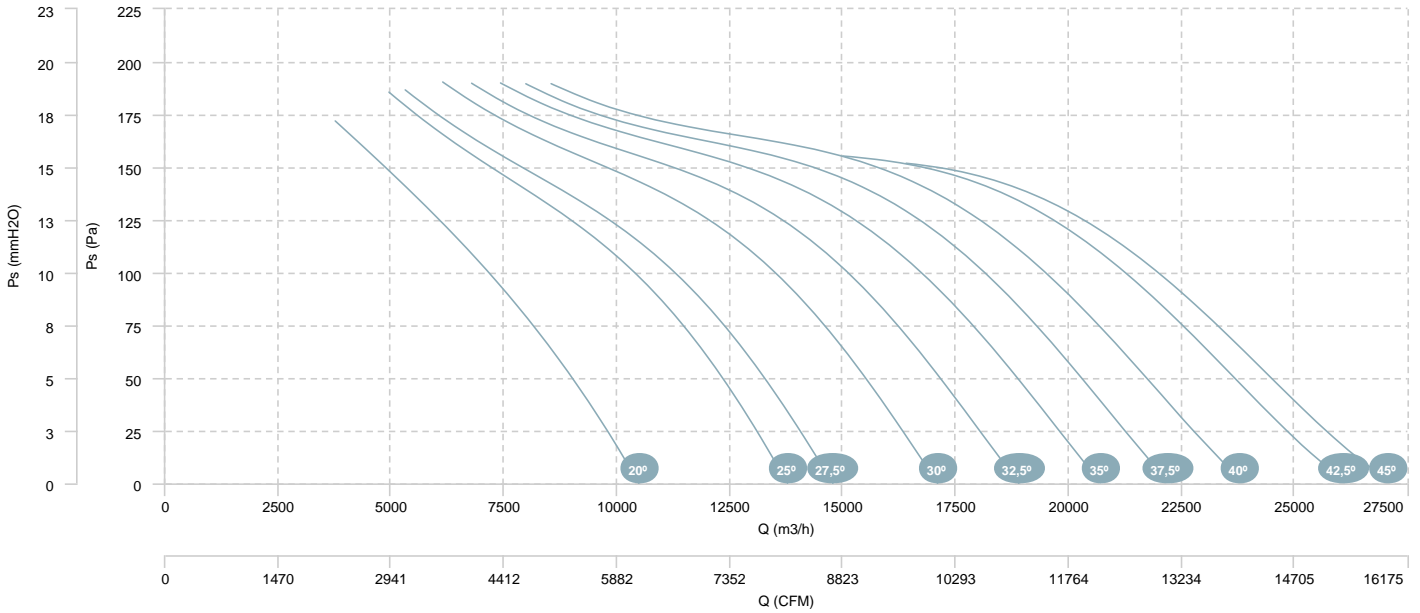


## AIR FLOW - MECHANICAL POWER

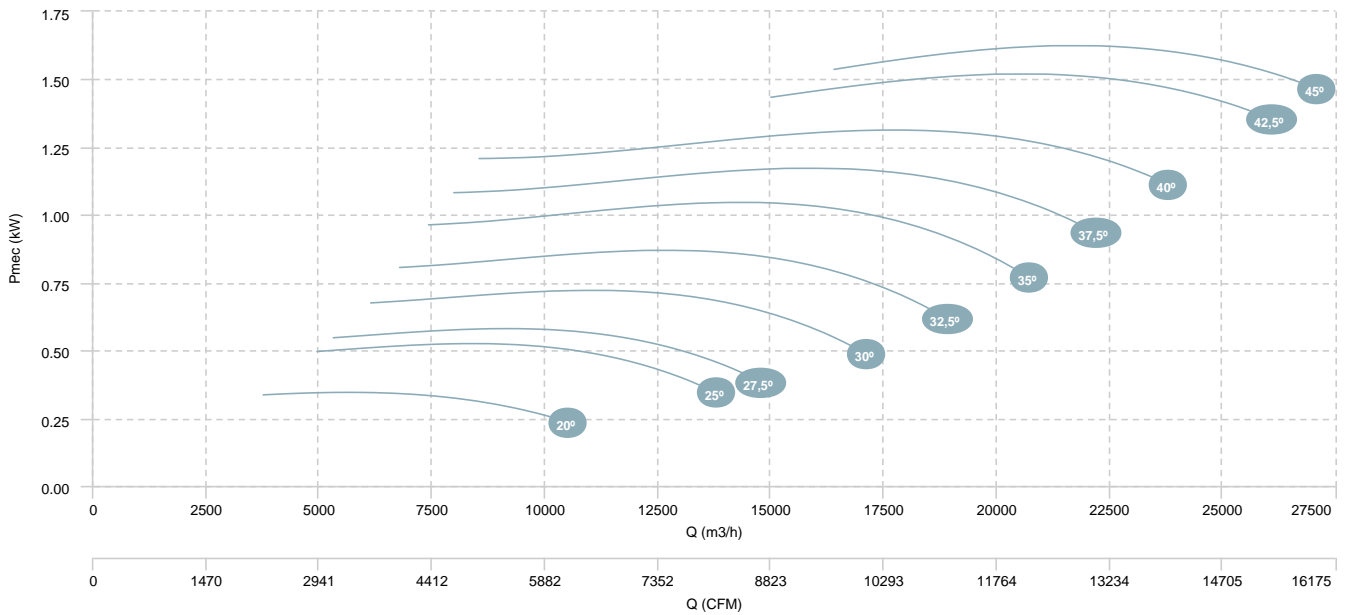


HBA 80 T6 (A2:9)

## AIR FLOW - PRESSURE

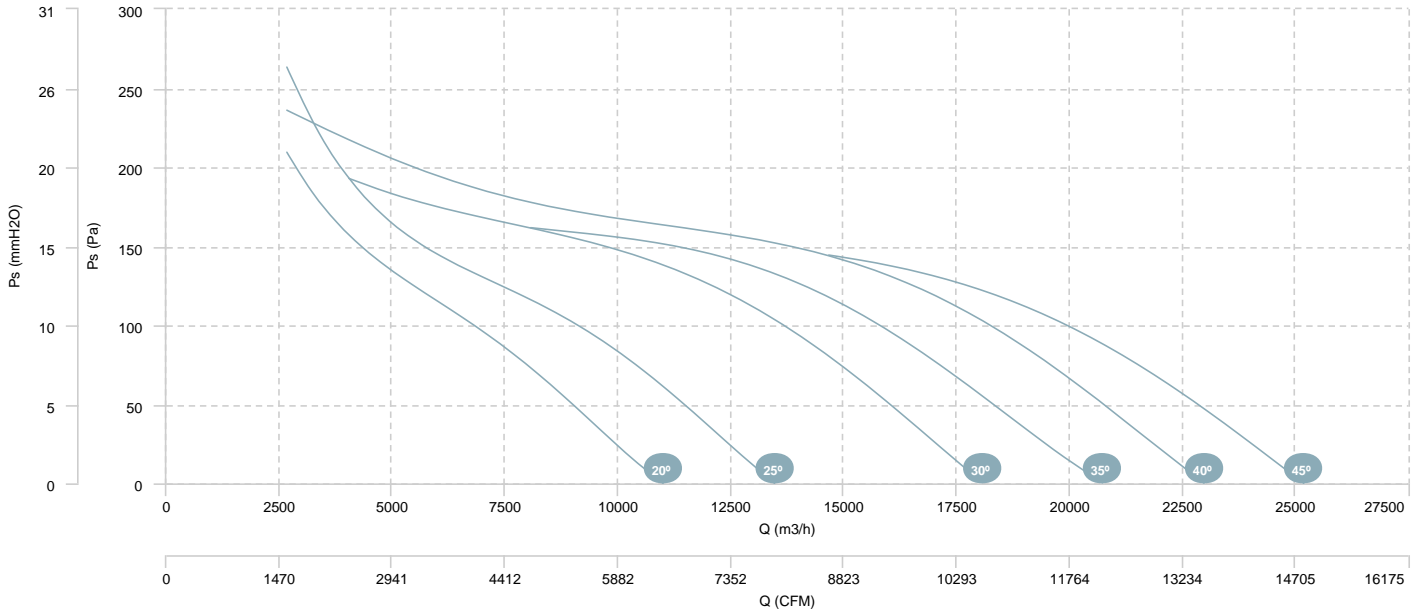


## AIR FLOW - MECHANICAL POWER

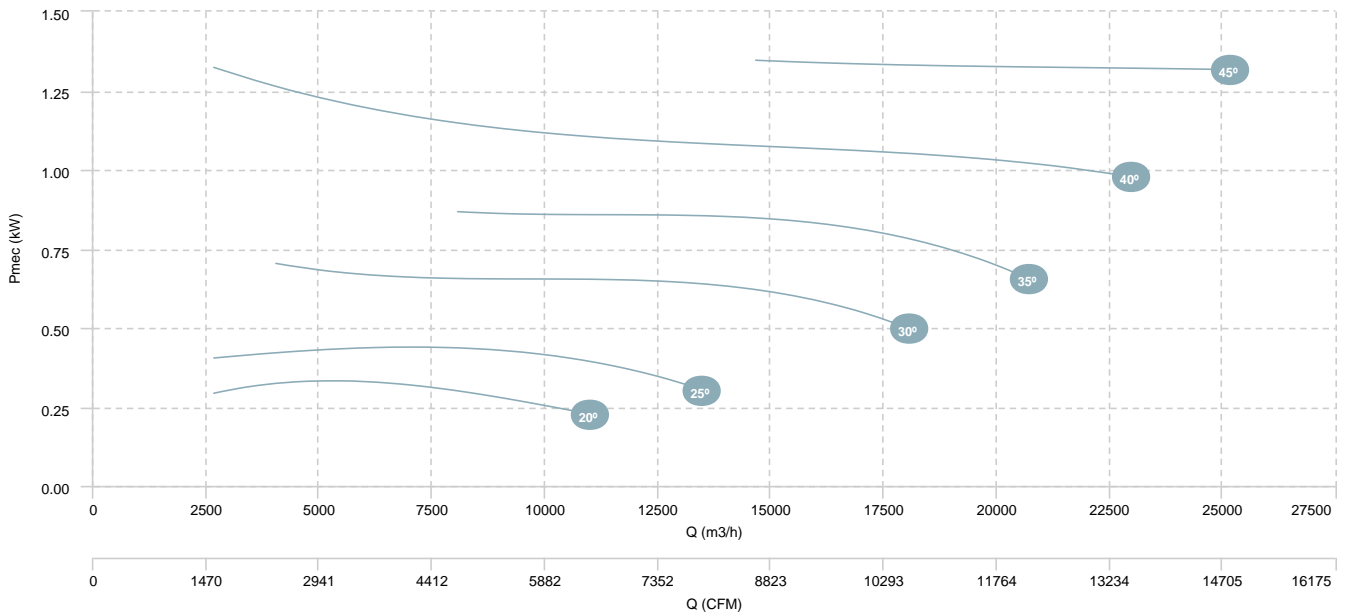


HBA 80 T6 (A5:6)

## AIR FLOW - PRESSURE

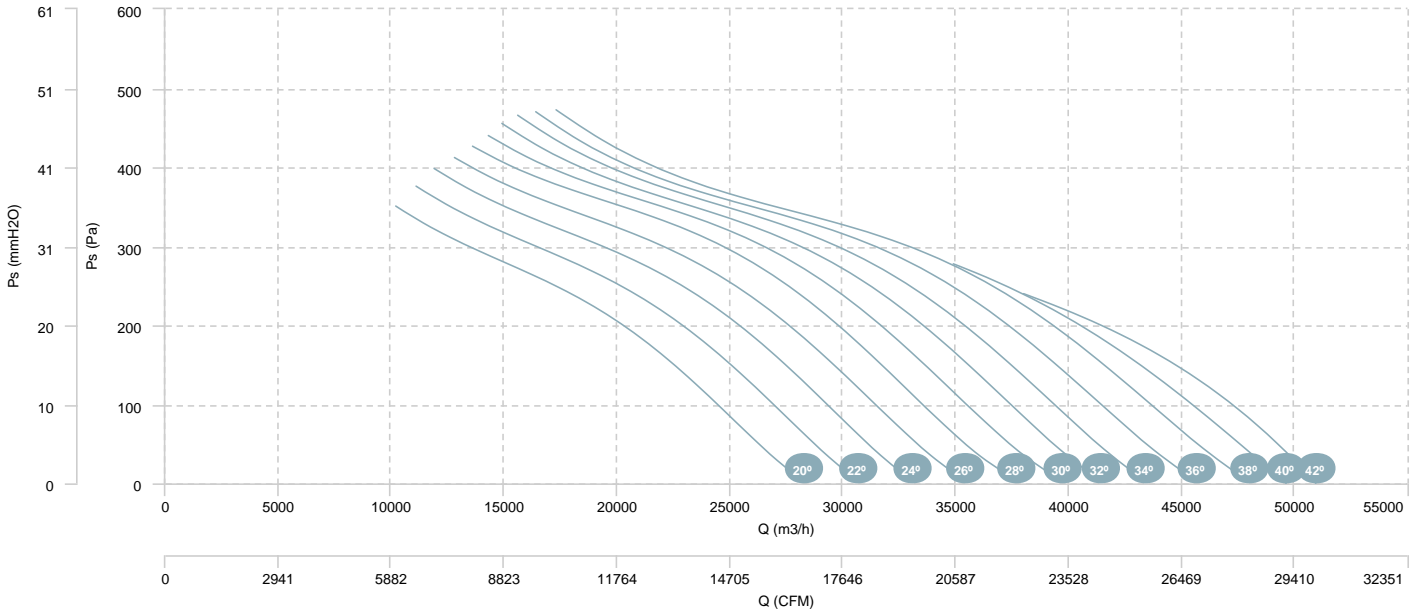


## AIR FLOW - MECHANICAL POWER

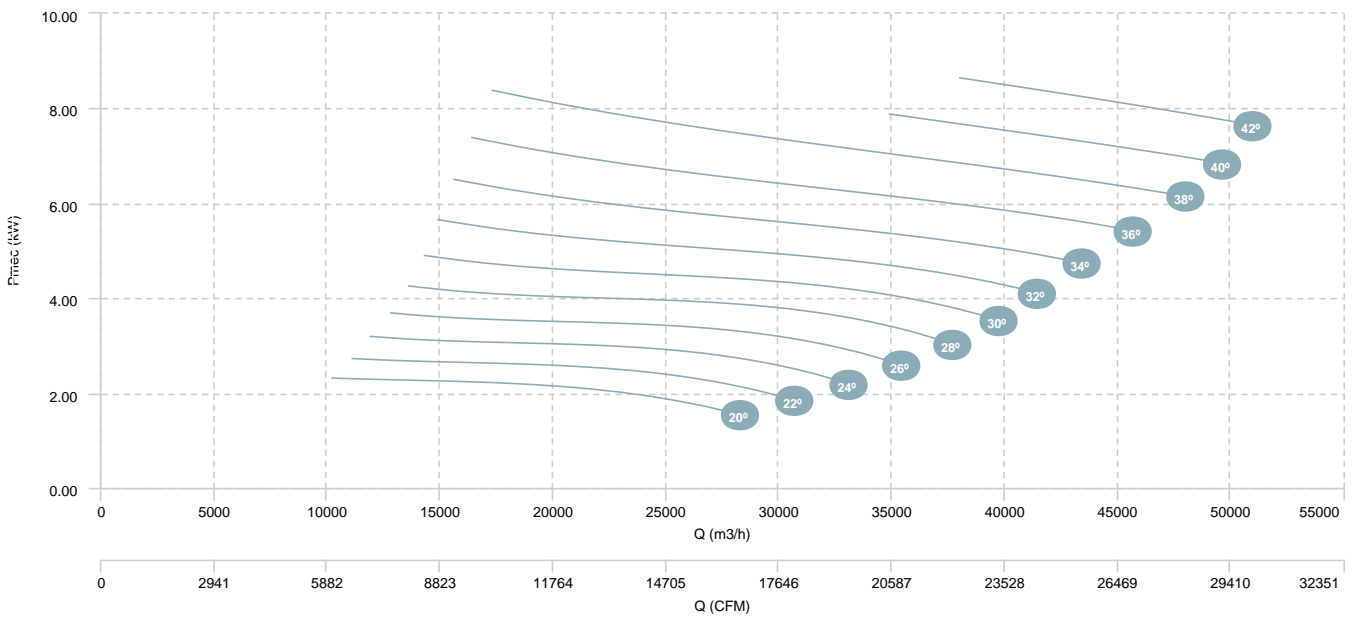


HBA 90 T4 (A6:3)

AIR FLOW - PRESSURE

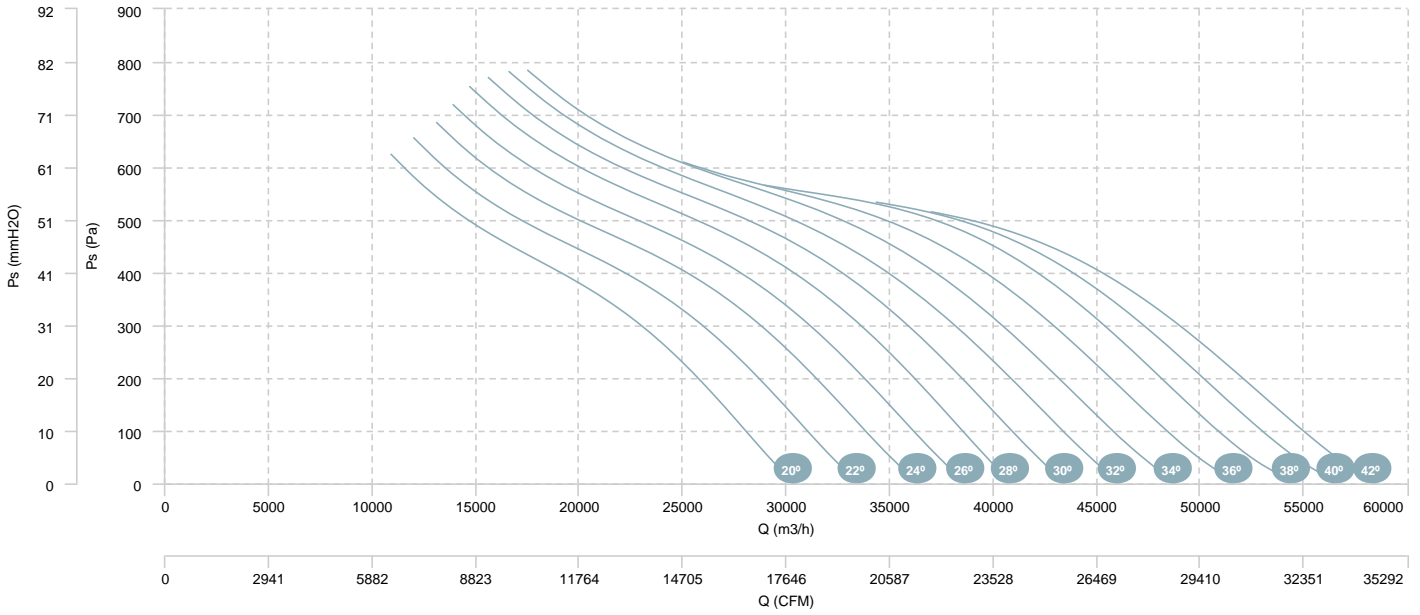


AIR FLOW - MECHANICAL POWER

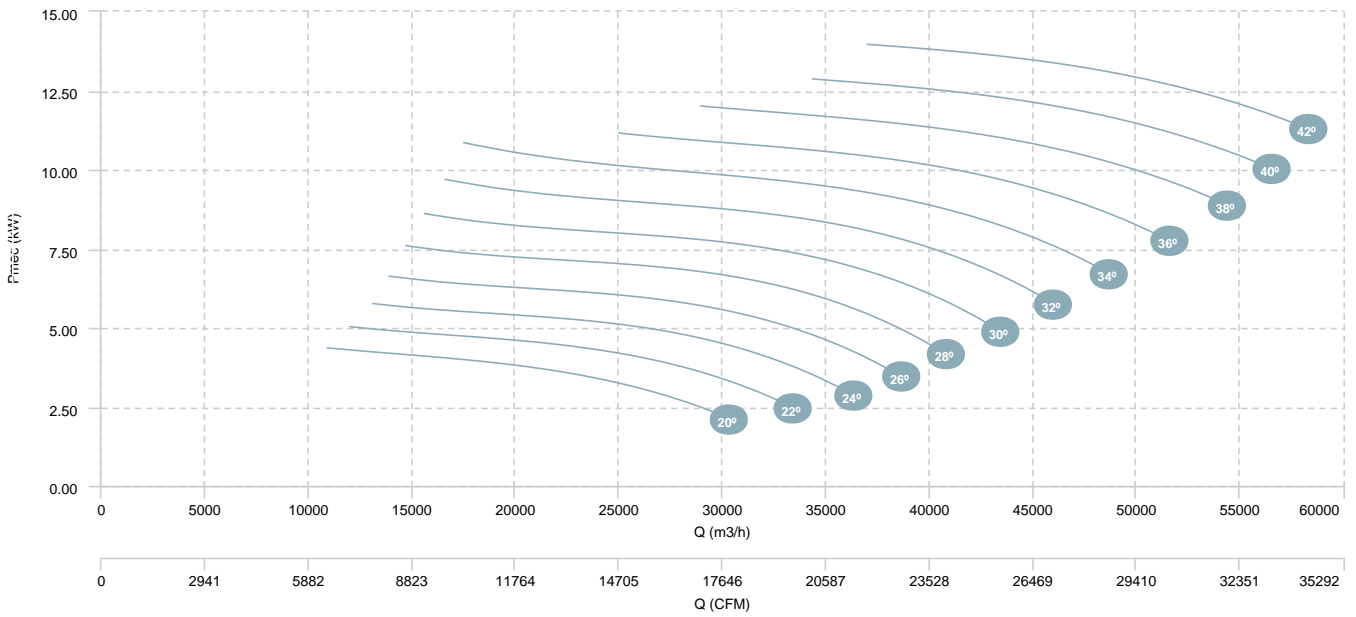


HBA 90 T4 (A6:6)

AIR FLOW - PRESSURE

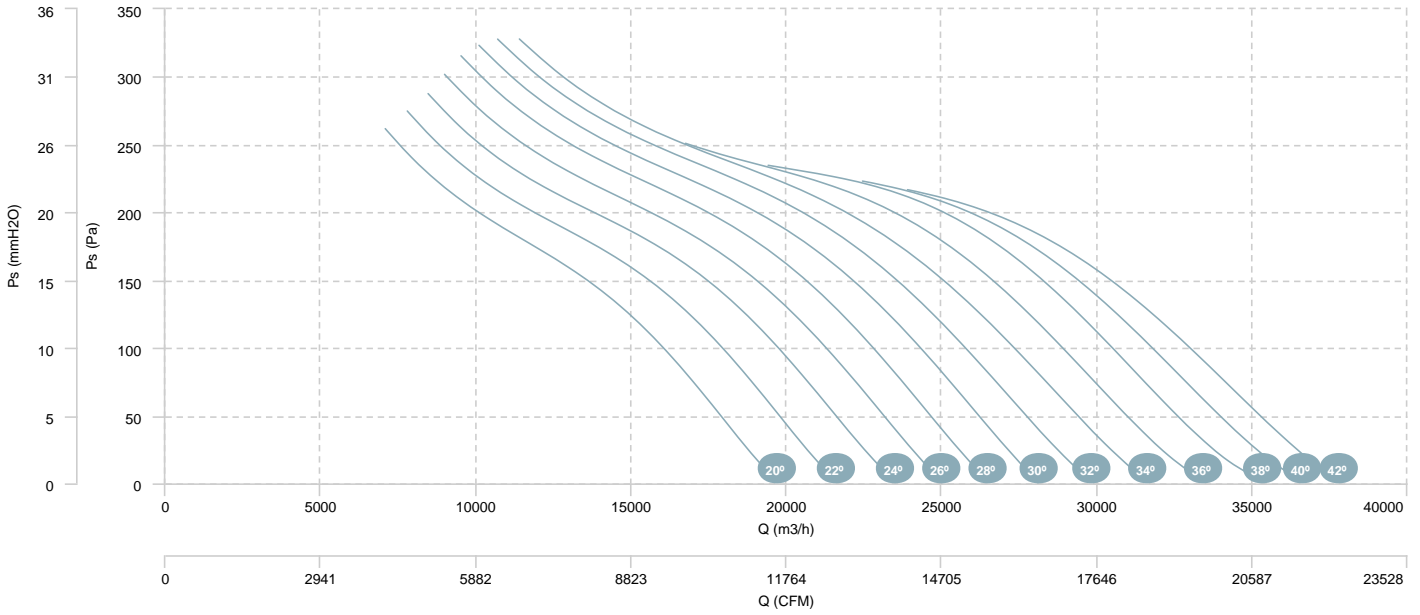


AIR FLOW - MECHANICAL POWER

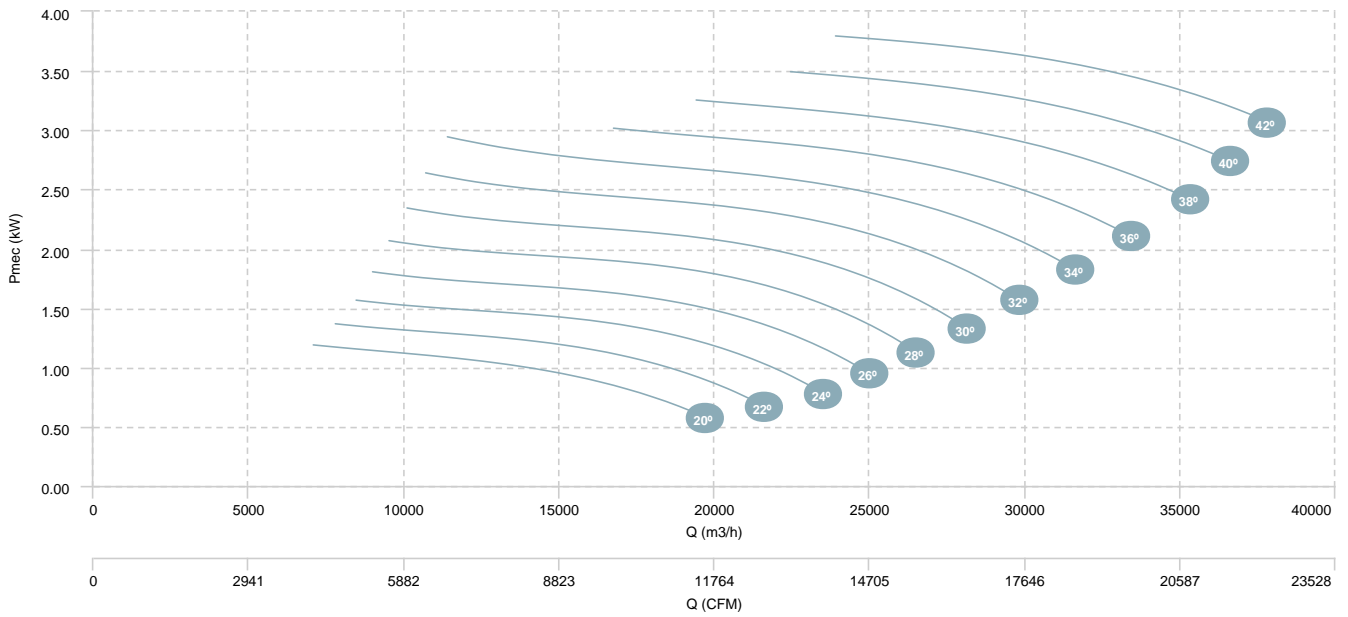


HBA 90 T6 (A6:6)

AIR FLOW - PRESSURE



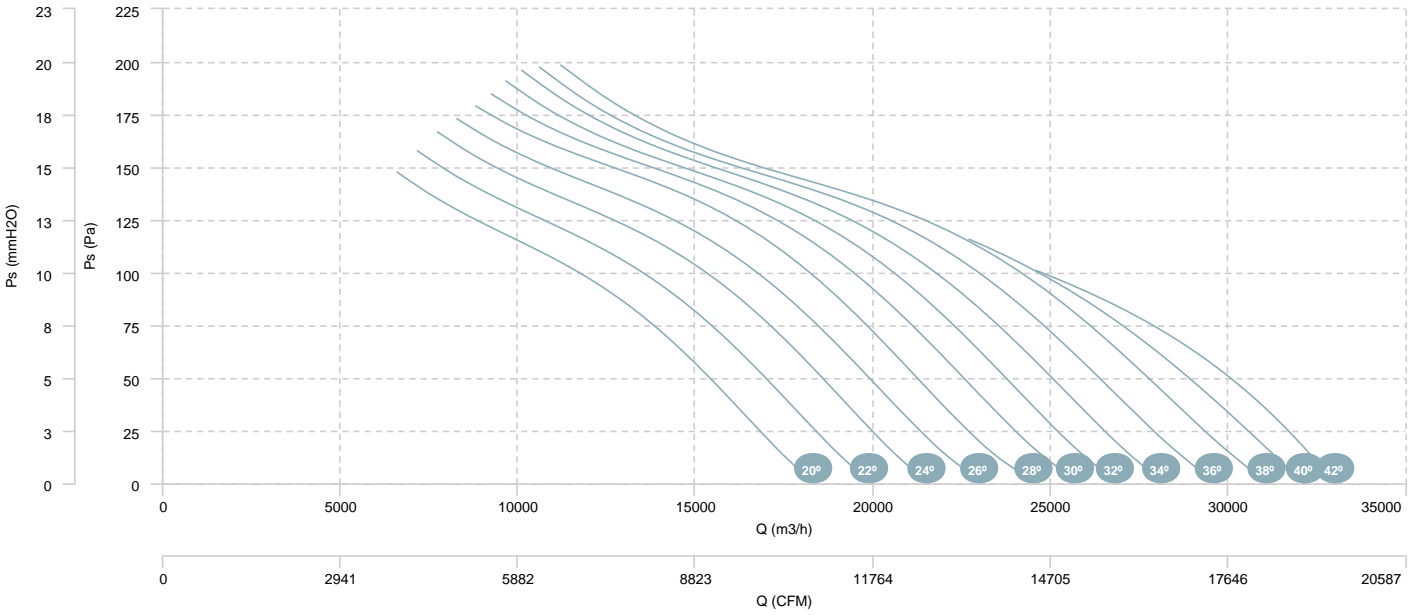
AIR FLOW - MECHANICAL POWER



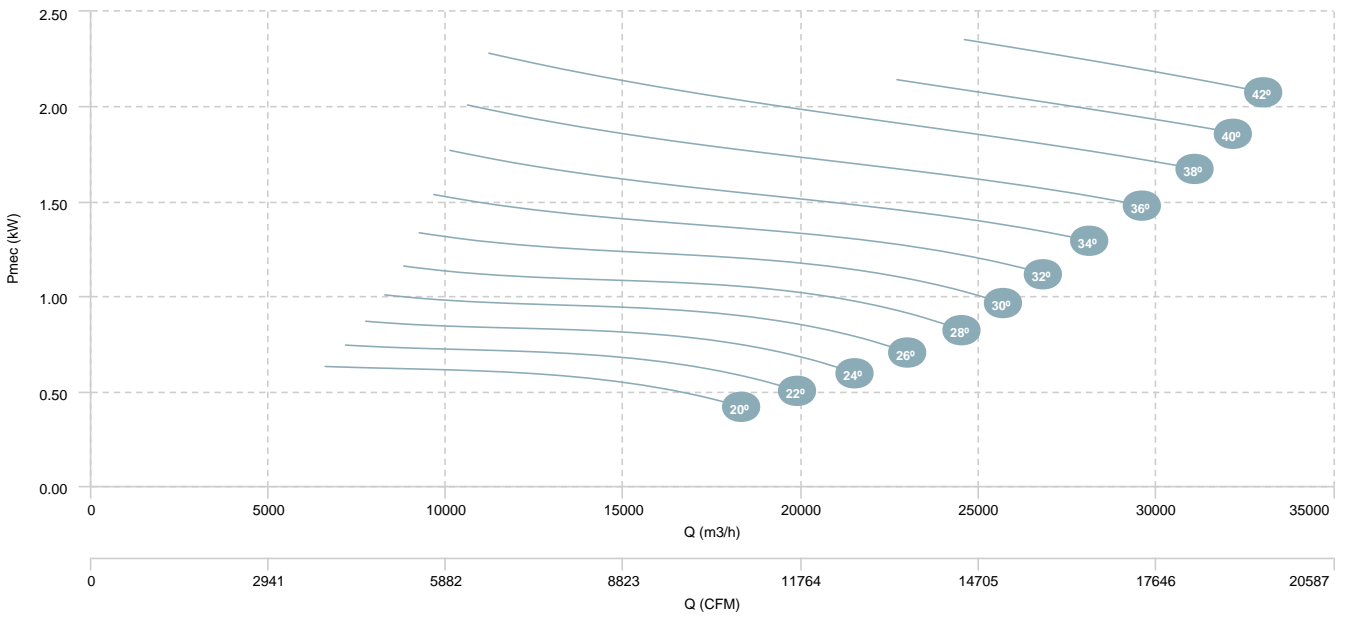


HBA 90 T6 (A6:3)

AIR FLOW - PRESSURE

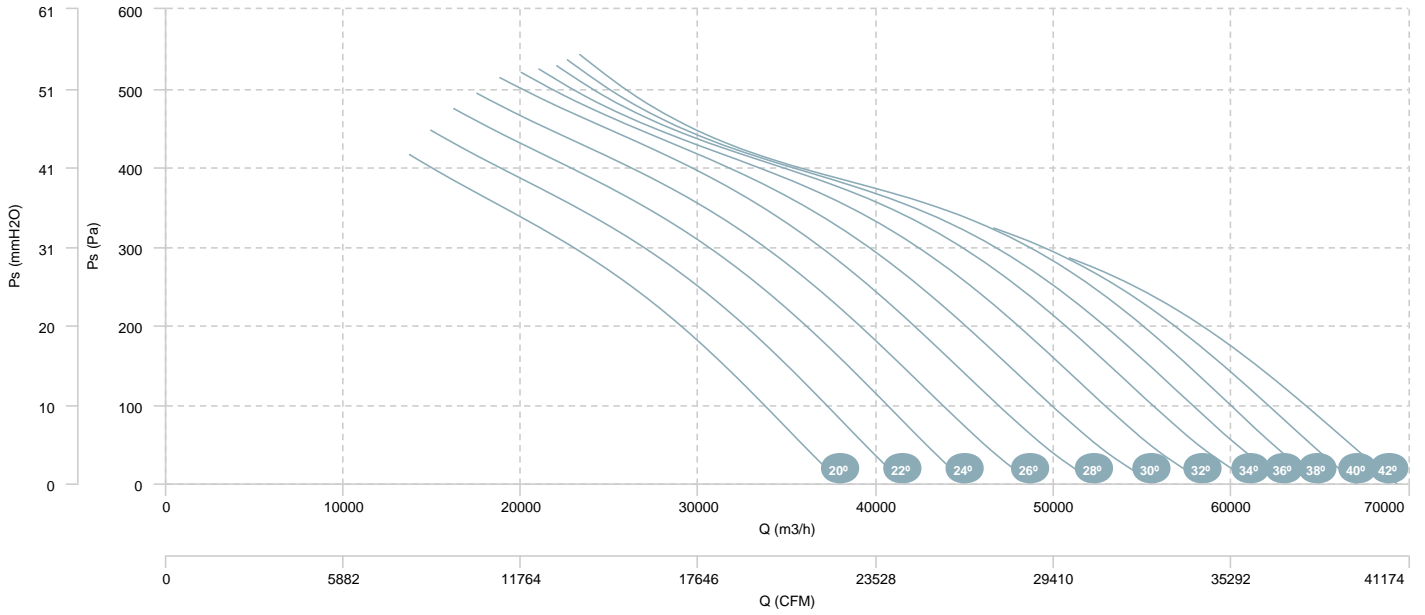


AIR FLOW - MECHANICAL POWER

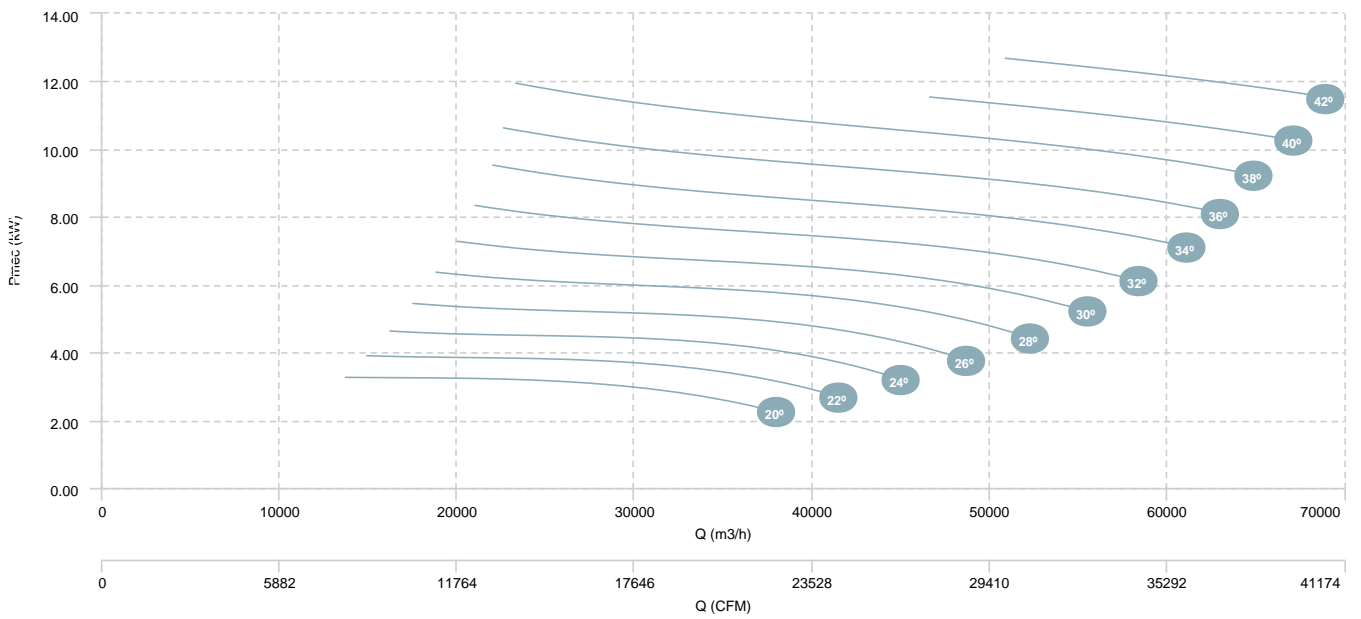


HBA 100 T4 (A6:3)

AIR FLOW - PRESSURE

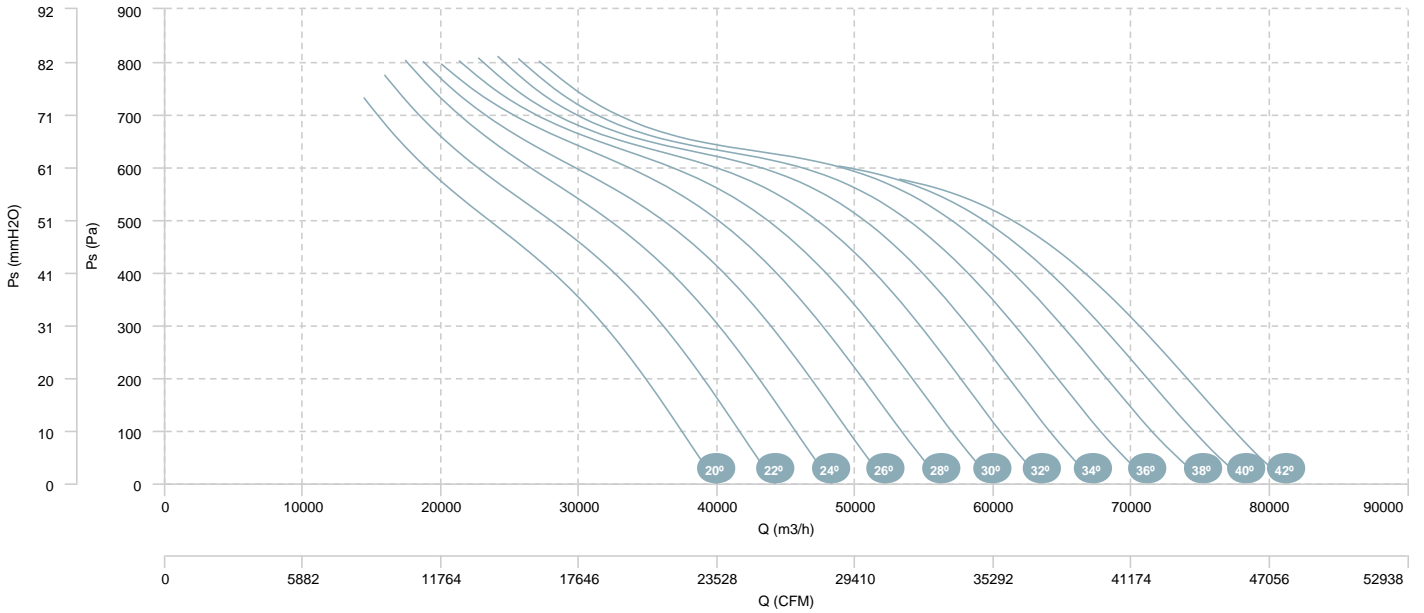


AIR FLOW - MECHANICAL POWER

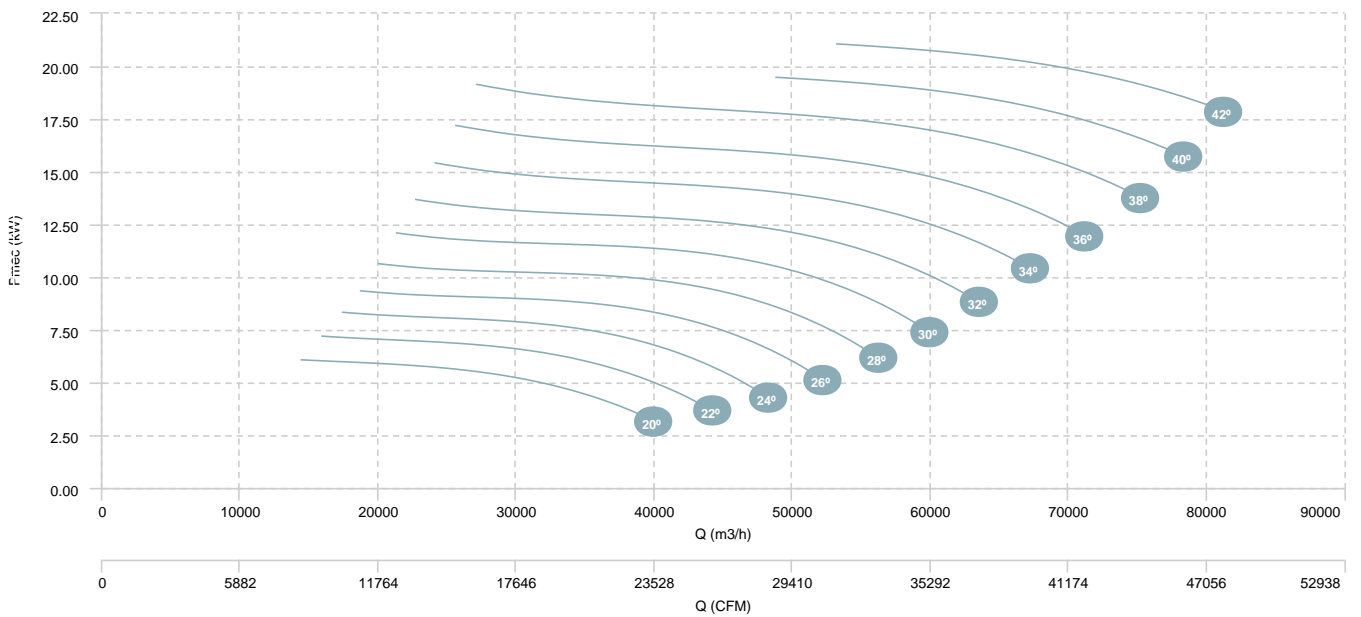


HBA 100 T4 (A6:6)

AIR FLOW - PRESSURE

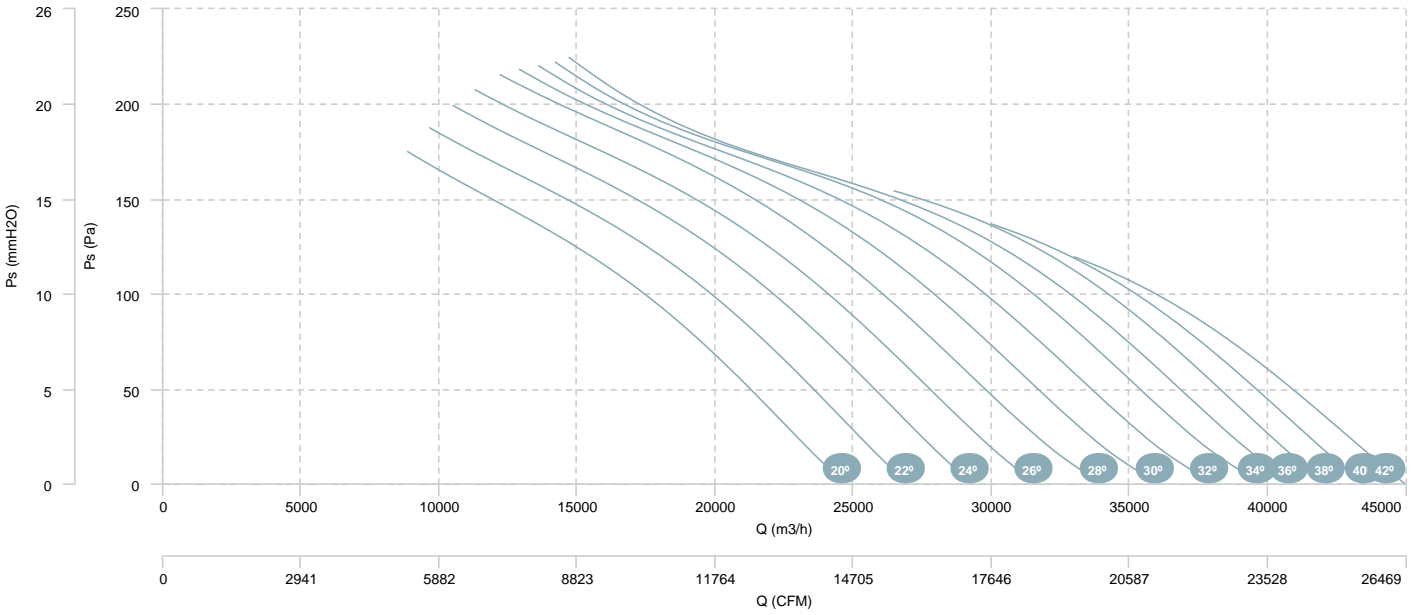


AIR FLOW - MECHANICAL POWER

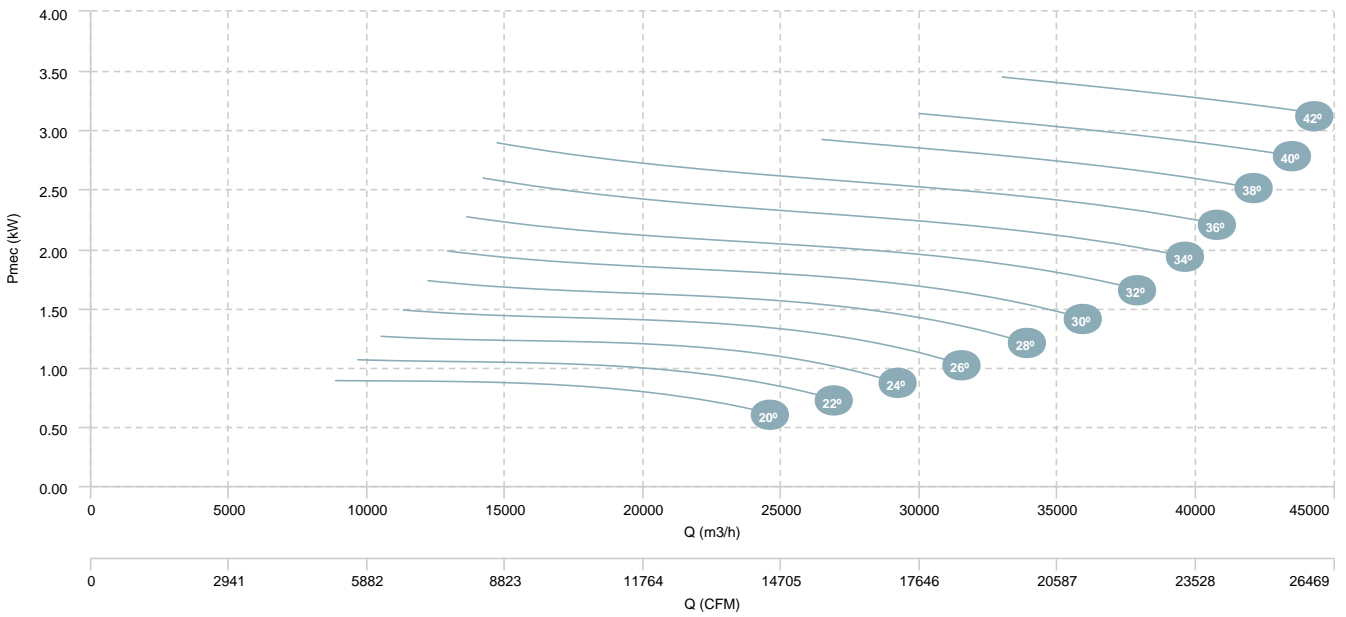


HBA 100 T6 (A6:3)

AIR FLOW - PRESSURE

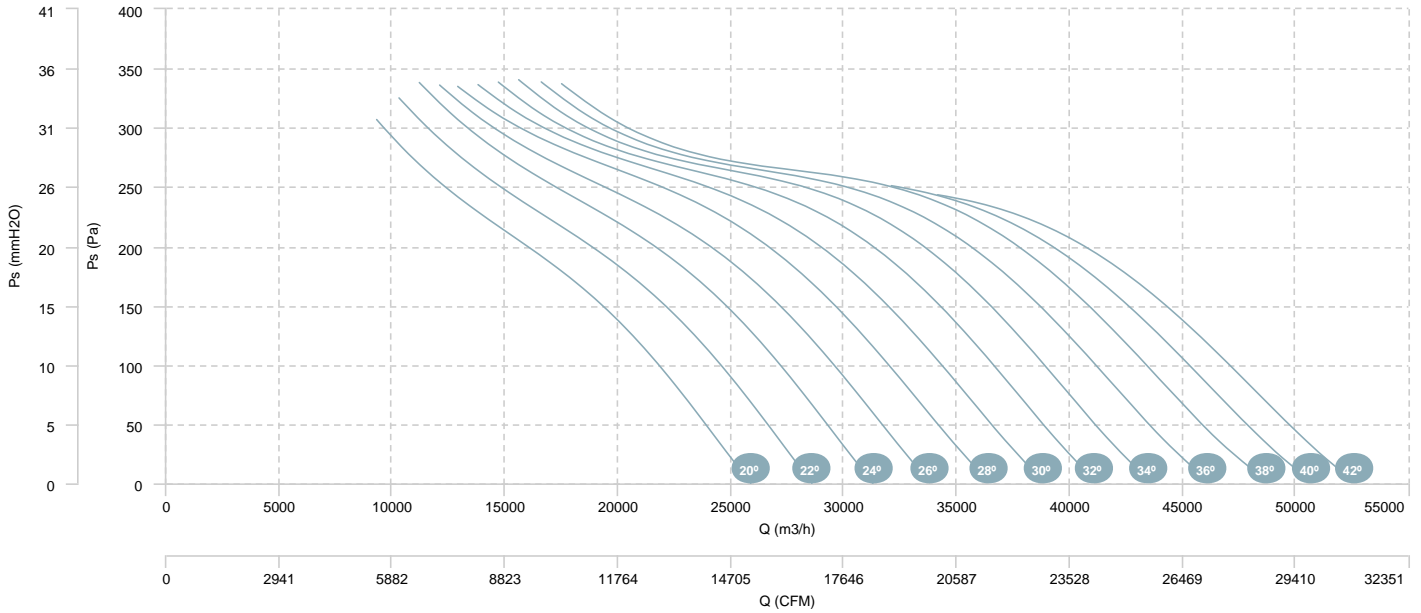


AIR FLOW - MECHANICAL POWER

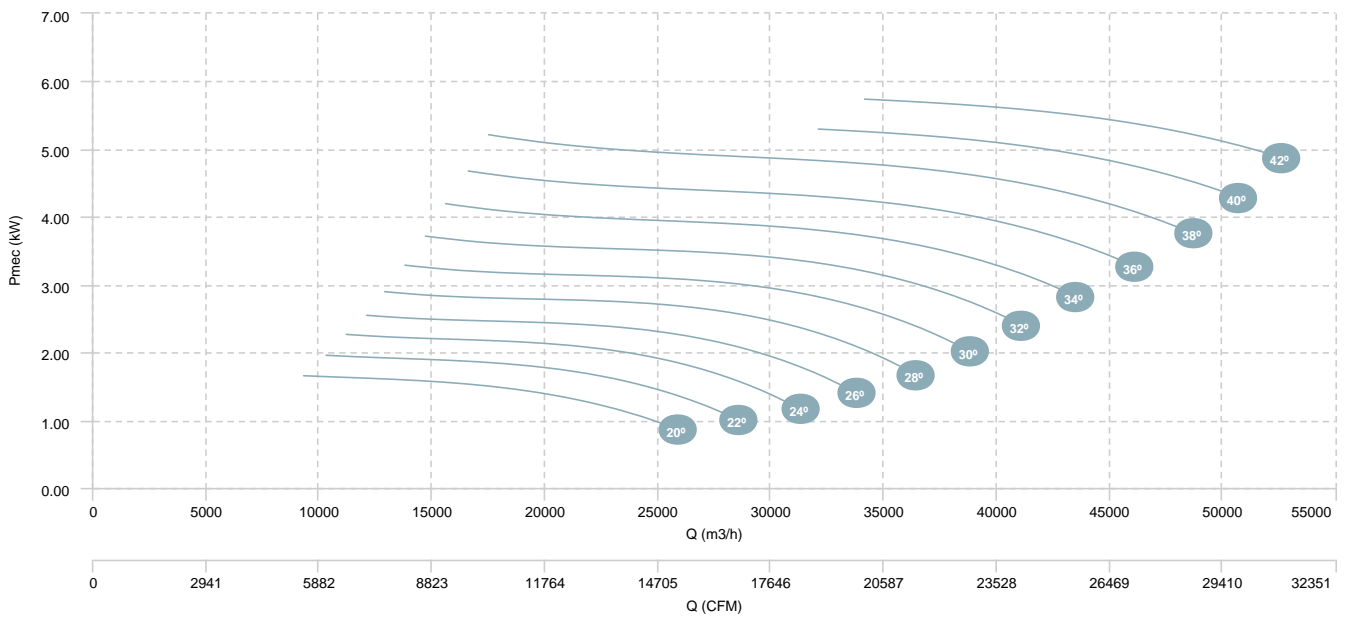


HBA 100 T6 (A6:6)

## AIR FLOW - PRESSURE

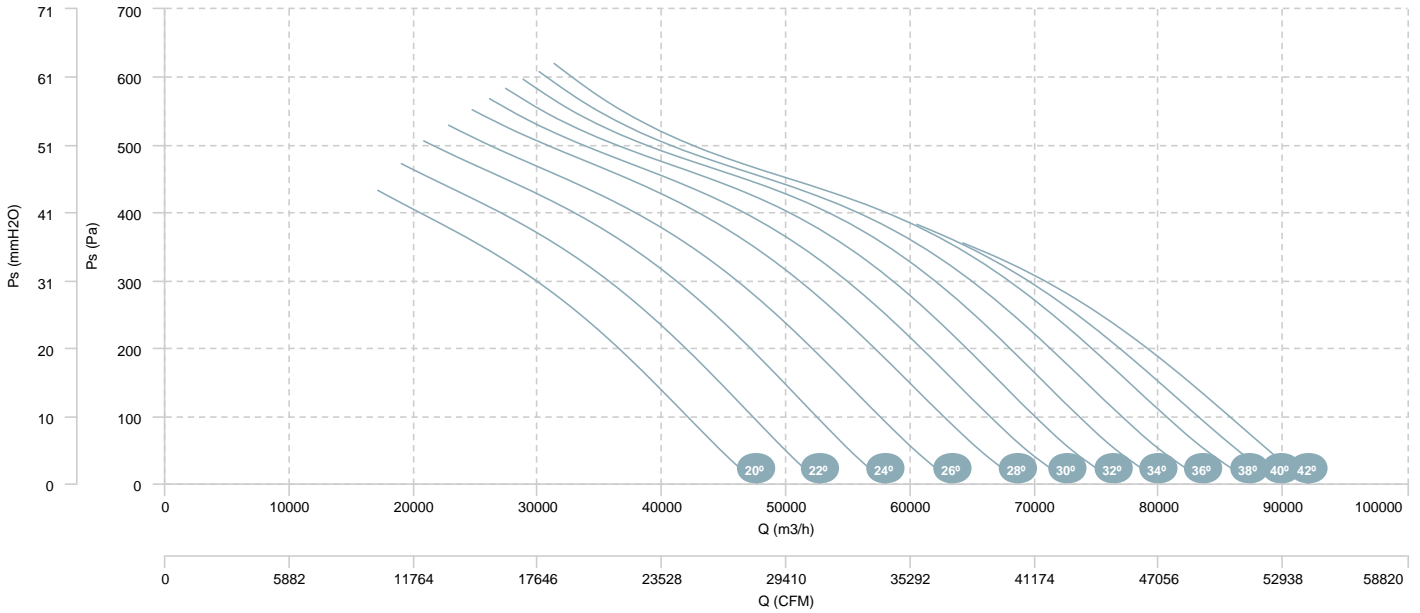


## AIR FLOW - MECHANICAL POWER

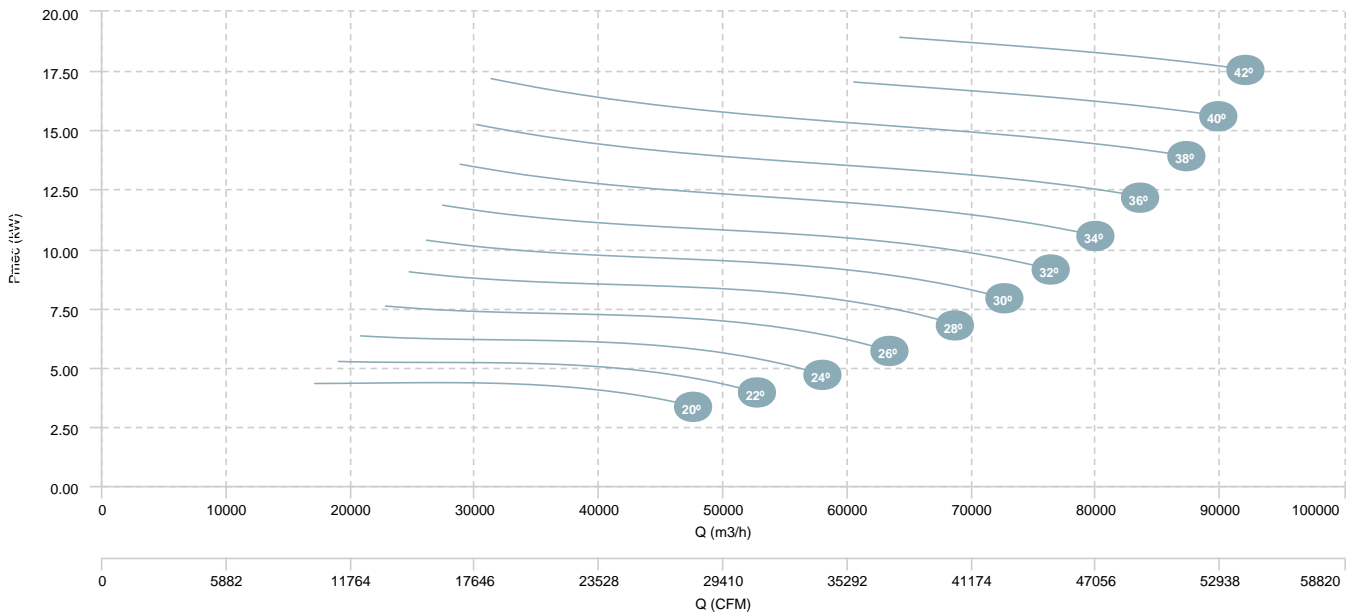


HBA 112 T4 (A6:3)

AIR FLOW - PRESSURE

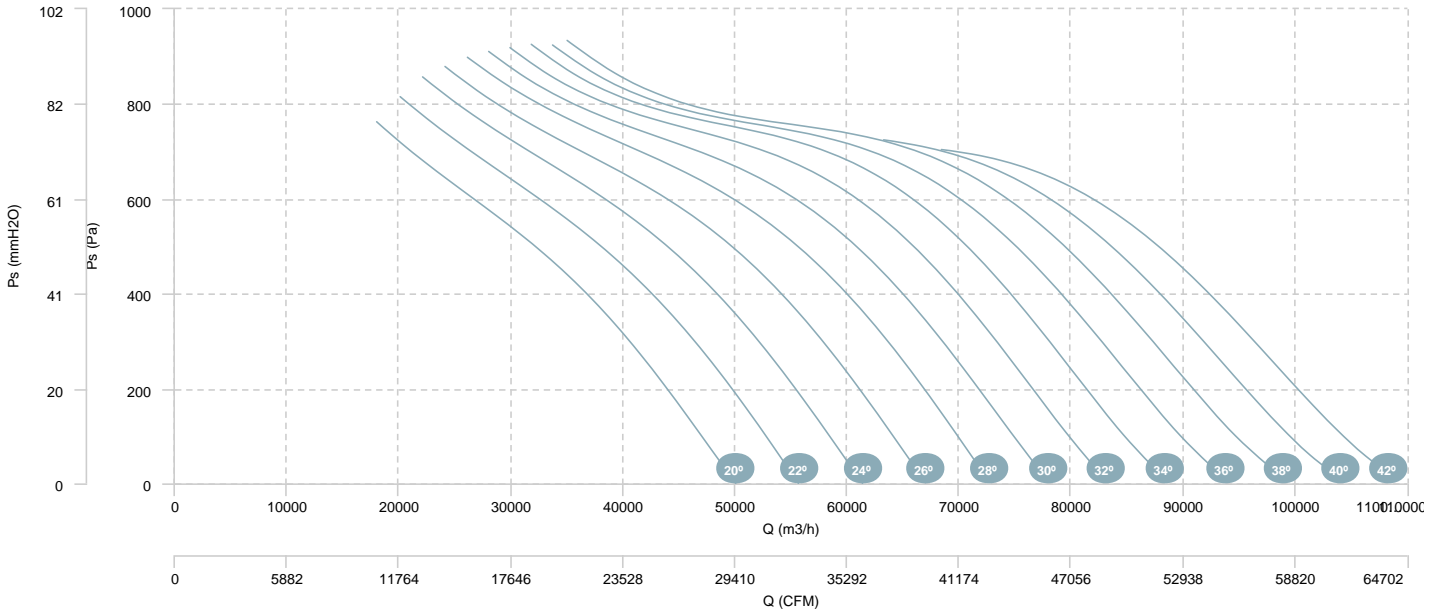


AIR FLOW - MECHANICAL POWER

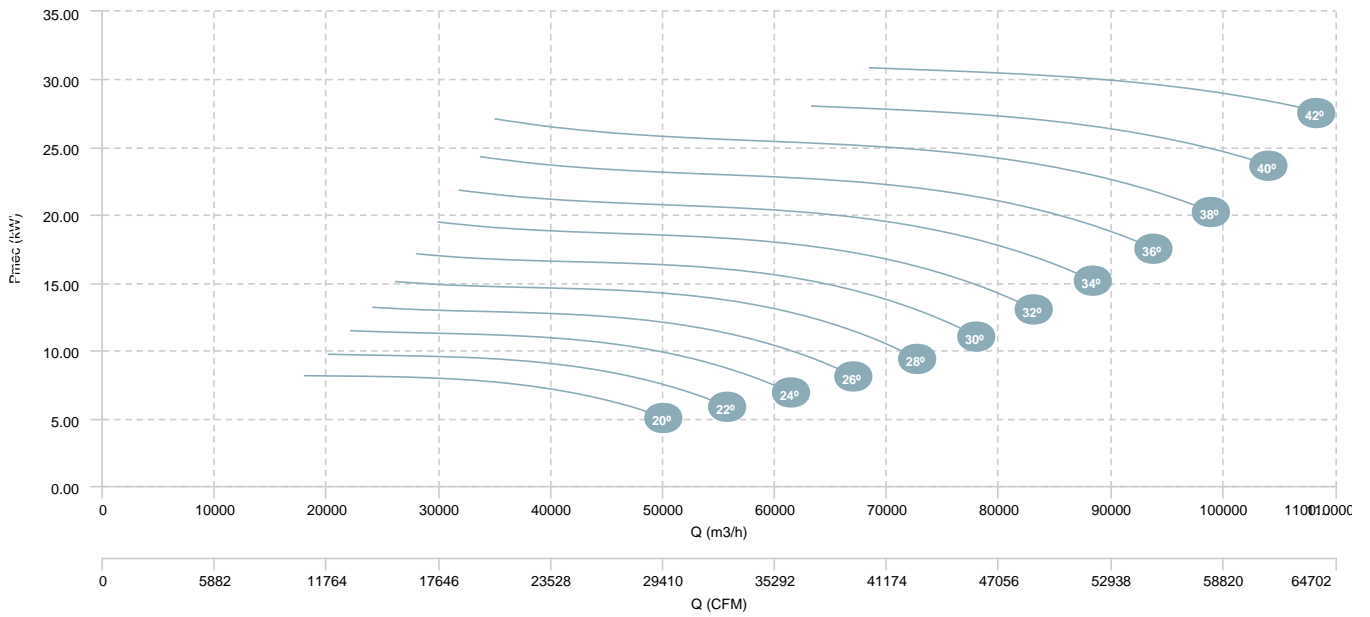


HBA 112 T4 (A6:6)

## AIR FLOW - PRESSURE

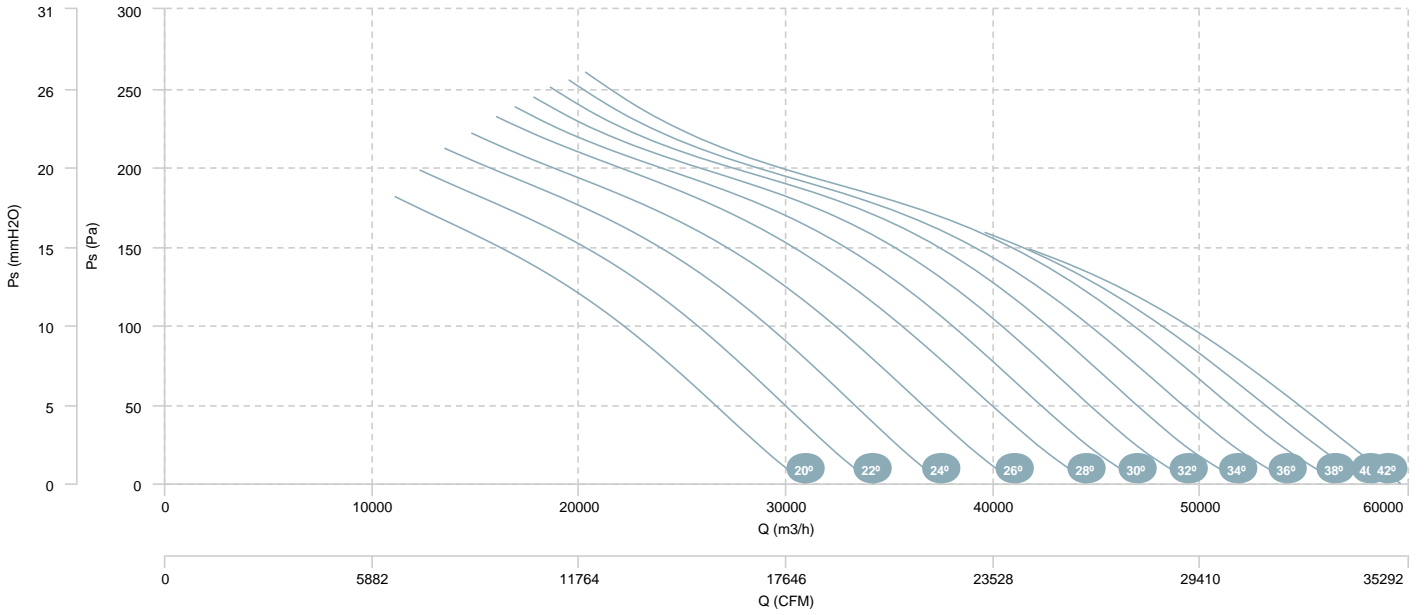


## AIR FLOW - MECHANICAL POWER

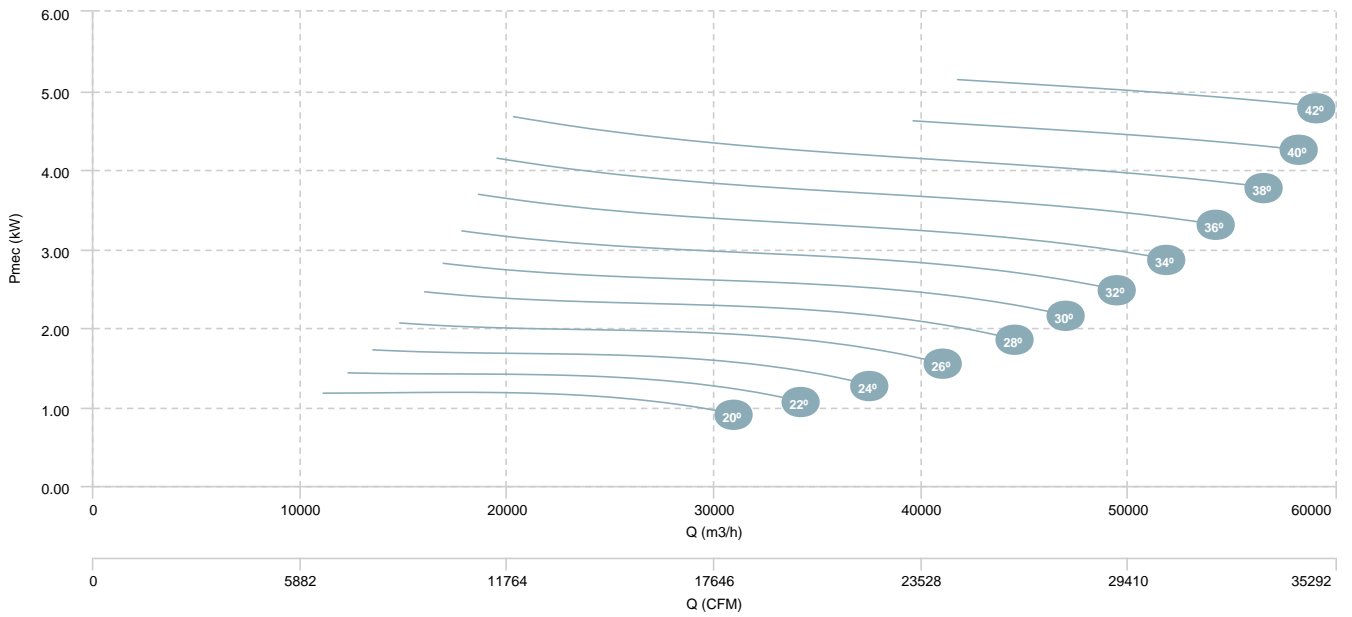


HBA 112 T6 (A6:3)

AIR FLOW - PRESSURE



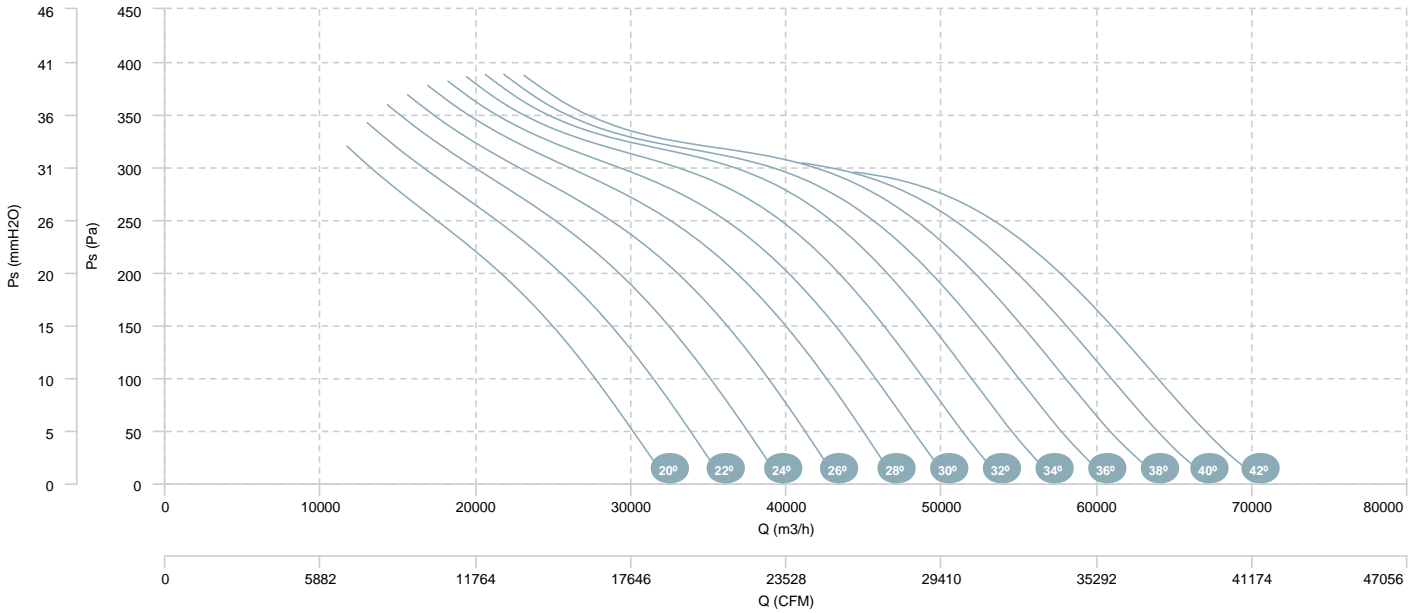
AIR FLOW - MECHANICAL POWER



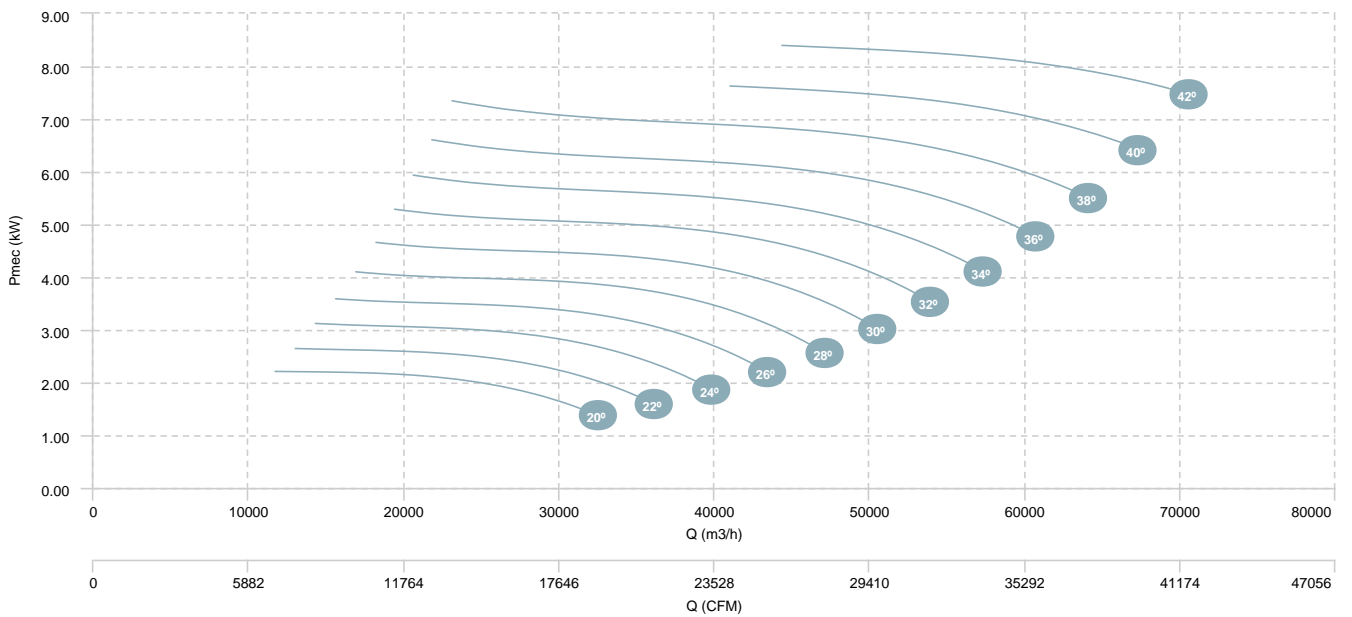


HBA 112 T6 (A6:6)

## AIR FLOW - PRESSURE

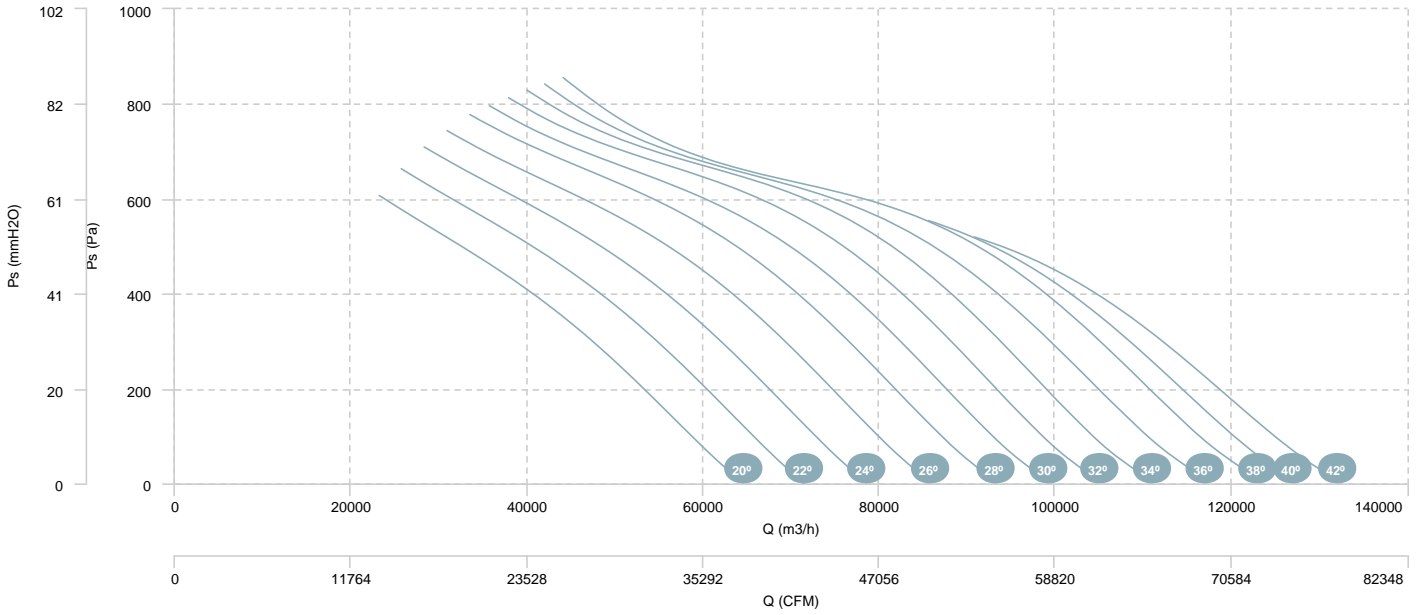


## AIR FLOW - MECHANICAL POWER

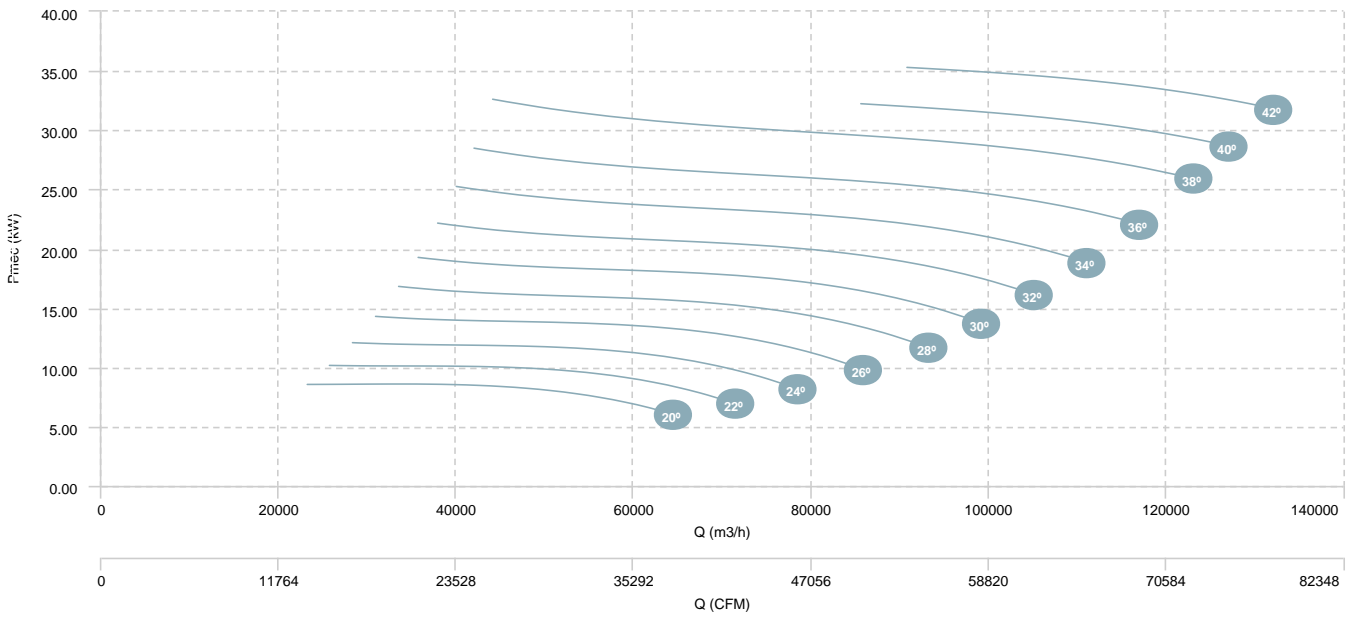


HBA 125 T4 (A7:4)

AIR FLOW - PRESSURE

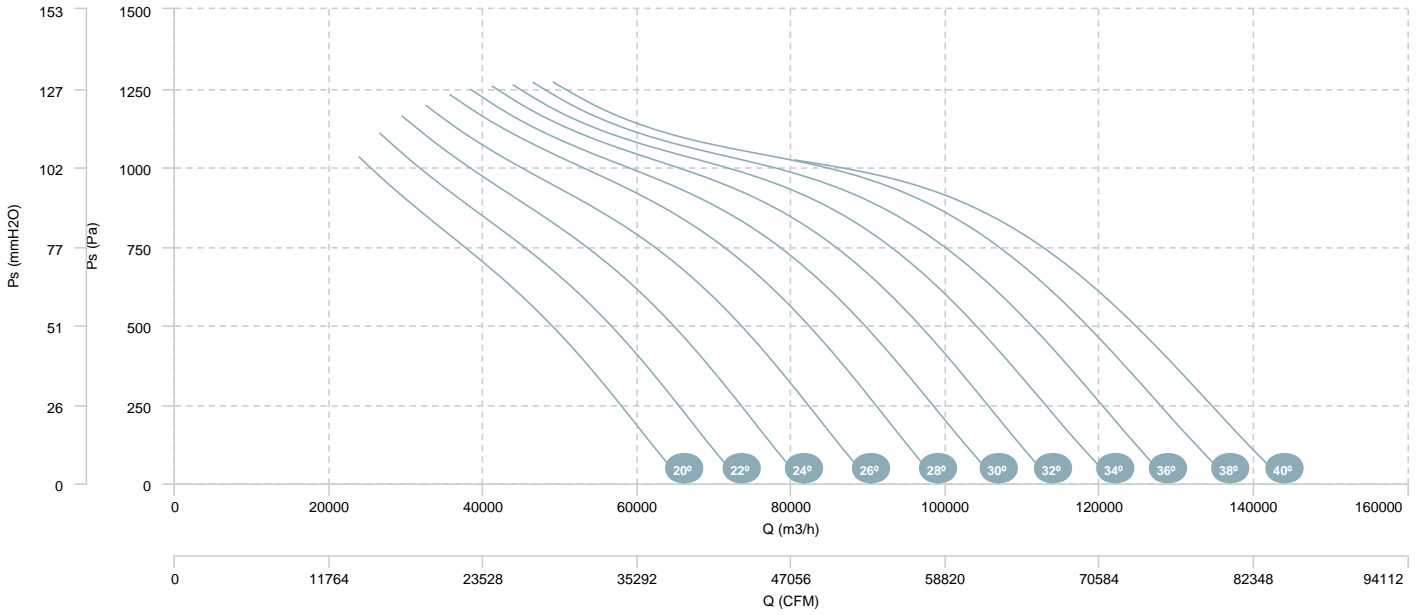


AIR FLOW - MECHANICAL POWER

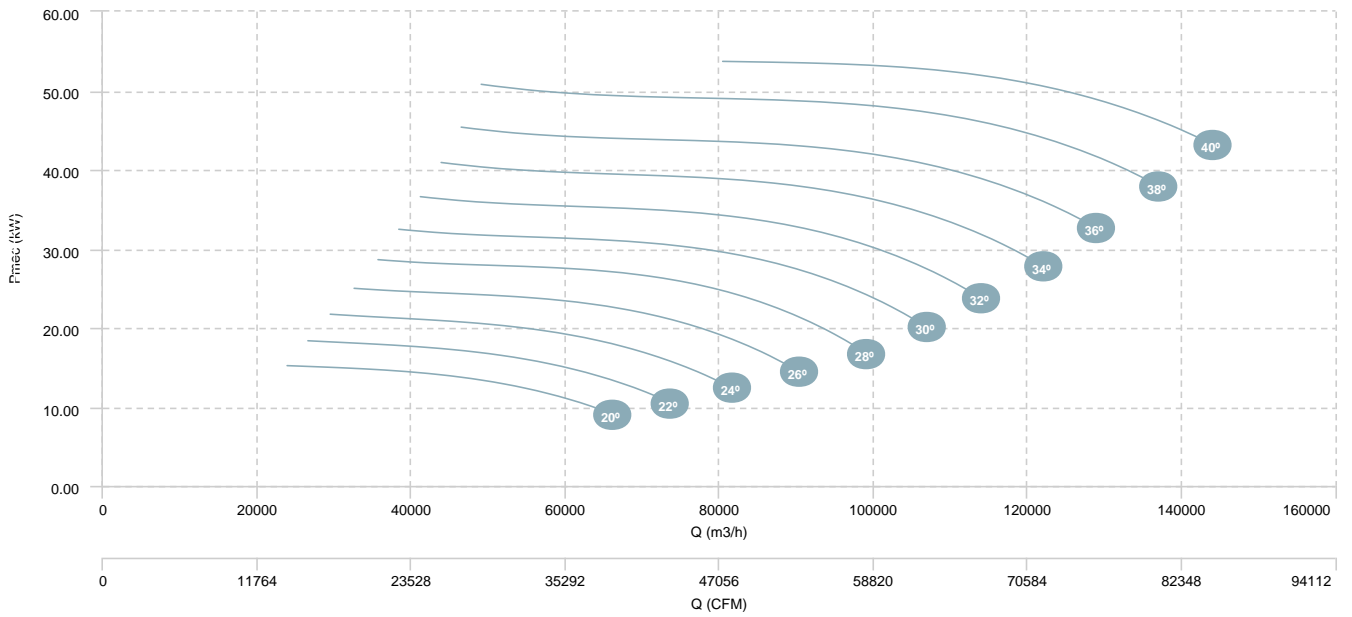


HBA 125 T4 (A7:8)

AIR FLOW - PRESSURE

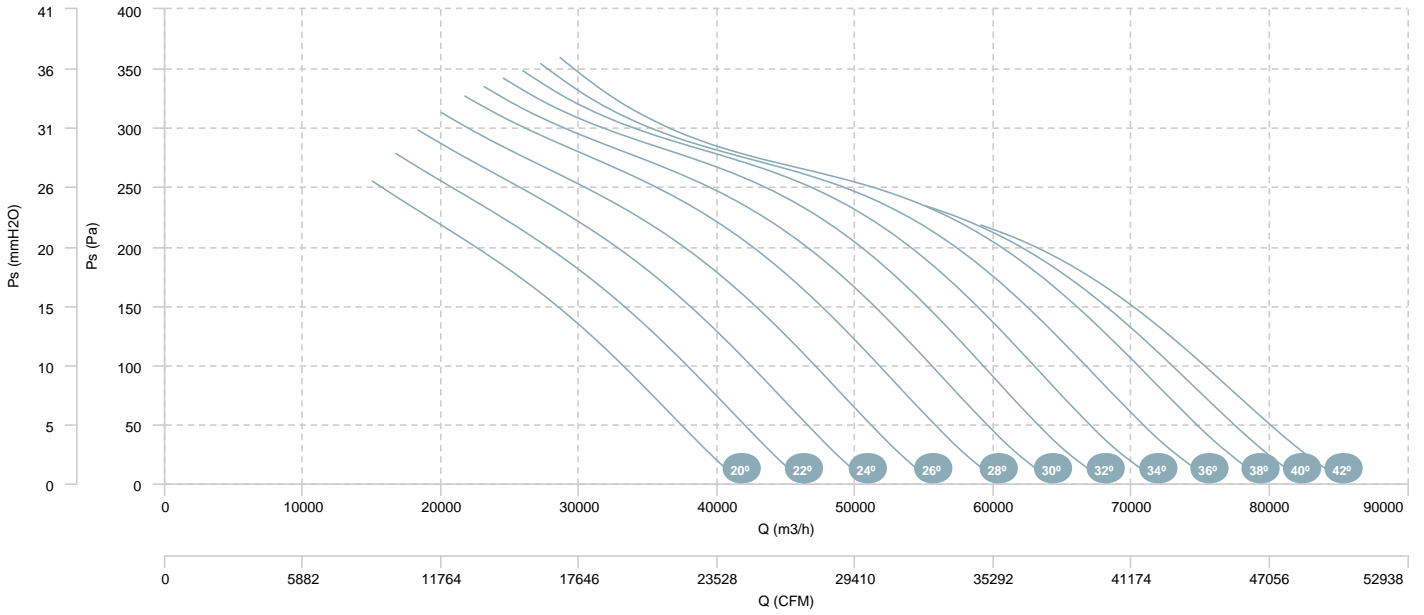


AIR FLOW - MECHANICAL POWER

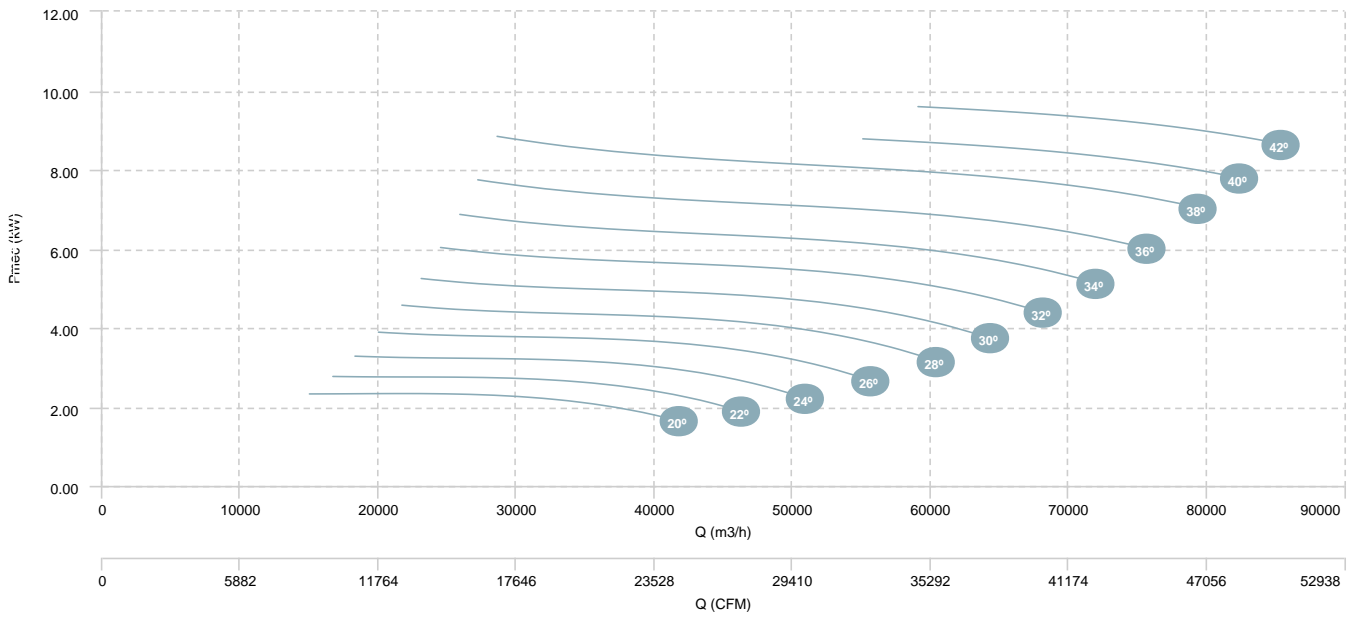


HBA 125 T6 (A7:4)

## AIR FLOW - PRESSURE

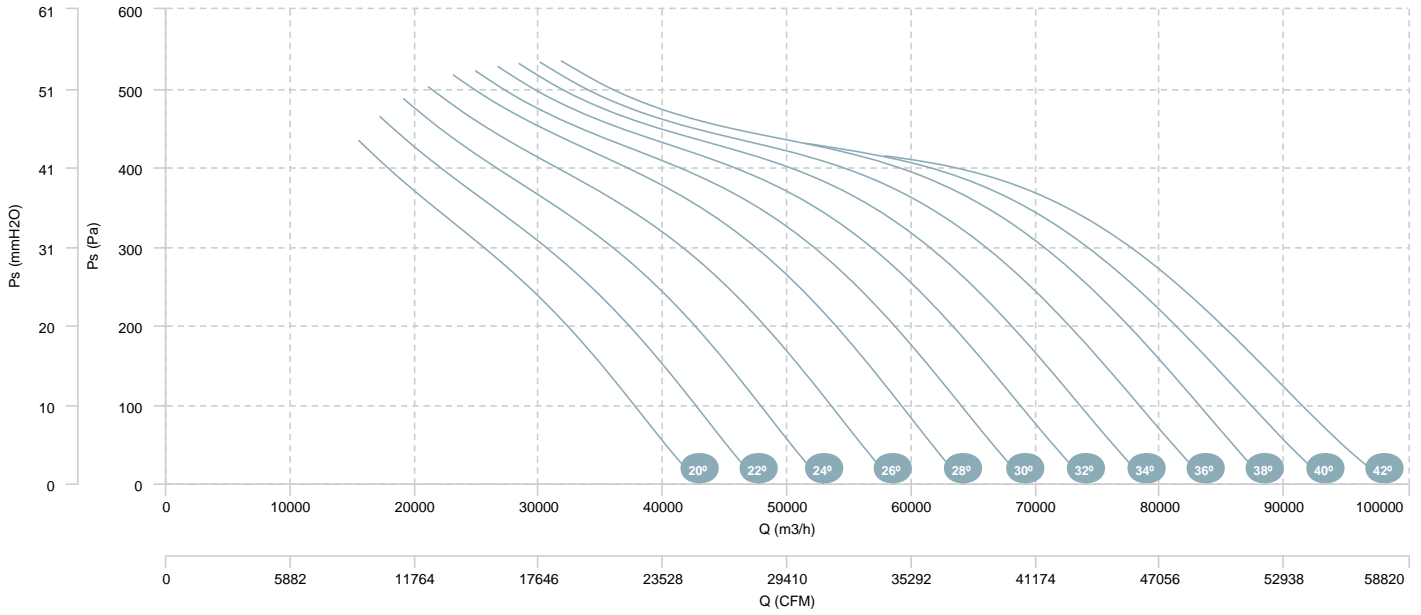


## AIR FLOW - MECHANICAL POWER

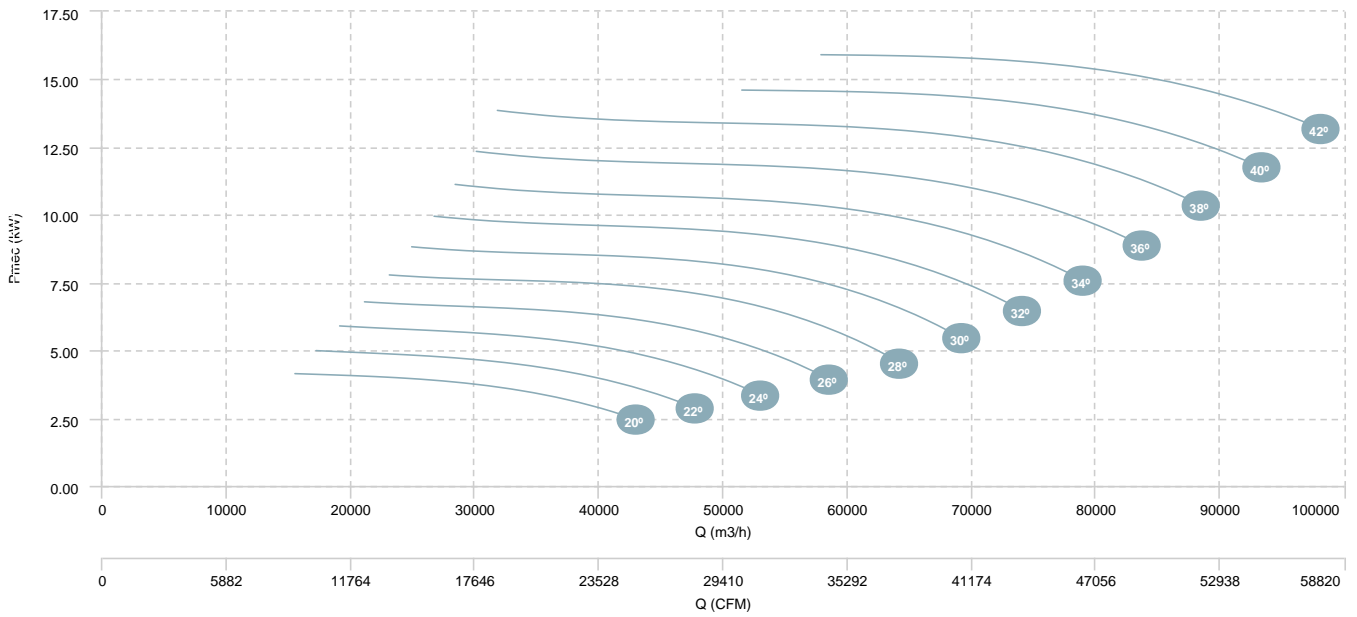


HBA 125 T6 (A7:8)

AIR FLOW - PRESSURE



AIR FLOW - MECHANICAL POWER



## Sound data

### Sound / 2 poles

		Sound power Lw dB (A)								
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 35 M2 (A0:6) (40°)	Inlet	56	64	69	74	76	77	78	72	83
HBA 35 M2 (A0:6) (35°)	Inlet	54	62	68	72	75	75	77	71	82
HBA 35 M2 (A0:6) (30°)	Inlet	55	63	69	76	77	77	78	73	84
HBA 35 M2 (A0:6) (25°)	Inlet	55	65	70	79	80	79	80	75	86
HBA 35 T2 (A0:6) (40°)	Inlet	56	64	69	74	76	77	78	72	83
HBA 35 T2 (A0:6) (35°)	Inlet	54	62	68	72	75	75	77	71	82
HBA 35 T2 (A0:6) (30°)	Inlet	55	63	69	76	77	77	78	73	84
HBA 35 T2 (A0:6) (25°)	Inlet	55	65	70	79	80	79	80	75	86
HBA 40 T2 (A0:6) (40°)	Inlet	62	68	74	78	81	82	82	76	87
HBA 40 T2 (A0:6) (35°)	Inlet	58	65	70	74	77	79	80	73	85
HBA 40 T2 (A0:6) (30°)	Inlet	58	65	70	78	80	80	81	75	86
HBA 40 T2 (A0:6) (25°)	Inlet	56	65	71	80	82	81	82	76	88
HBA 45 T2 (A0:6) (25°)	Inlet	62	71	76	83	88	88	89	85	94
HBA 45 T2 (A0:6) (35°)	Inlet	62	69	74	79	82	82	84	78	89

### 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
HBA 35 M4 (A0:6) (40°)	Inlet	67	65	64	62	61	61	62	58	72
HBA 35 M4 (A0:6) (35°)	Inlet	65	63	62	60	60	59	61	57	71
HBA 35 T4 (A0:6) (40°)	Inlet	67	65	64	62	61	61	62	58	72
HBA 35 T4 (A0:6) (35°)	Inlet	65	63	62	60	60	59	61	57	71
HBA 40 M4 (A0:6) (40°)	Inlet	73	69	68	66	66	66	66	62	77
HBA 40 M4 (A0:6) (35°)	Inlet	69	66	64	62	63	63	64	59	74
HBA 40 T4 (A0:6) (40°)	Inlet	73	69	68	66	66	66	66	62	77
HBA 40 T4 (A0:6) (35°)	Inlet	69	66	64	62	63	63	64	59	74
HBA 45 M4 (A0:6) (40°)	Inlet	73	70	68	67	66	66	67	62	78
HBA 45 M4 (A0:6) (35°)	Inlet	71	68	66	65	65	64	66	62	76
HBA 45 M4 (A5:6) (45°)	Inlet	52	56	64	67	71	71	72	64	77
HBA 45 M4 (A5:6) (40°)	Inlet	53	56	65	66	70	70	71	62	76
HBA 45 M4 (A5:6) (35°)	Inlet	50	54	62	63	68	68	69	59	74
HBA 45 M4 (A5:6) (30°)	Inlet	48	53	60	64	66	67	68	59	73
HBA 45 M4 (A5:6) (25°)	Inlet	45	50	57	64	63	64	66	59	71
HBA 45 T4 (A0:6) (40°)	Inlet	73	70	68	67	66	66	67	62	78
HBA 45 T4 (A0:6) (35°)	Inlet	71	68	66	65	65	64	66	62	76

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 45 T4 (A5:6) (45°)	Inlet	52	56	64	67	71	71	72	64	77
HBA 45 T4 (A5:6) (40°)	Inlet	53	56	65	66	70	70	71	62	76
HBA 45 T4 (A5:6) (35°)	Inlet	50	54	62	63	68	68	69	59	74
HBA 45 T4 (A5:6) (30°)	Inlet	48	53	60	64	66	67	68	59	73
HBA 45 T4 (A5:6) (25°)	Inlet	45	50	57	64	63	64	66	59	71
HBA 50 M4 (A0:6) (40°)	Inlet	75	72	70	68	69	67	68	63	79
HBA 50 M4 (A0:6) (35°)	Inlet	72	69	69	66	66	64	66	61	77
HBA 50 M4 (A5:6) (45°)	Inlet	52	59	64	72	73	73	75	67	80
HBA 50 M4 (A5:6) (40°)	Inlet	49	56	61	67	69	70	72	63	77
HBA 50 M4 (A5:6) (35°)	Inlet	49	54	61	67	69	70	72	63	77
HBA 50 M4 (A5:6) (30°)	Inlet	47	52	59	63	66	67	70	61	74
HBA 50 M4 (A5:6) (25°)	Inlet	44	51	56	61	64	66	68	60	72
HBA 50 T4 (A0:6) (40°)	Inlet	75	72	70	68	69	67	68	63	79
HBA 50 T4 (A0:6) (35°)	Inlet	72	69	69	66	66	64	66	61	77
HBA 50 T4 (A5:6) (45°)	Inlet	52	59	64	72	73	73	75	67	80
HBA 50 T4 (A5:6) (40°)	Inlet	49	56	61	67	69	70	72	63	77
HBA 50 T4 (A5:6) (35°)	Inlet	49	54	61	67	69	70	72	63	77
HBA 50 T4 (A5:6) (30°)	Inlet	47	52	59	63	66	67	70	61	74
HBA 50 T4 (A5:6) (25°)	Inlet	44	51	56	61	64	66	68	60	72
HBA 56 M4 (A2:6) (45°)	Inlet	82	76	77	75	75	76	75	72	86
HBA 56 M4 (A2:6) (43°)	Inlet	81	76	76	75	75	75	75	71	86
HBA 56 M4 (A2:6) (40°)	Inlet	80	77	75	74	74	74	75	71	85
HBA 56 M4 (A2:6) (37°)	Inlet	79	76	74	74	73	74	75	71	84
HBA 56 M4 (A2:6) (35°)	Inlet	78	75	73	74	73	74	74	71	84
HBA 56 M4 (A2:6) (33°)	Inlet	79	76	74	74	73	74	74	71	84
HBA 56 M4 (A2:6) (30°)	Inlet	78	75	74	74	73	73	75	71	83
HBA 56 M4 (A2:6) (27°)	Inlet	76	74	74	76	74	74	75	72	84
HBA 56 M4 (A2:6) (25°)	Inlet	76	73	74	76	75	75	76	73	84
HBA 56 M4 (A2:6) (20°)	Inlet	72	70	73	76	75	74	75	73	83
HBA 56 M4 (A2:9) (45°)	Inlet	80	76	80	76	76	76	77	74	86
HBA 56 M4 (A2:9) (43°)	Inlet	79	76	79	76	76	76	77	73	86
HBA 56 M4 (A2:9) (40°)	Inlet	79	76	78	76	76	76	77	73	86
HBA 56 M4 (A2:9) (37°)	Inlet	79	75	77	76	76	76	77	74	86
HBA 56 M4 (A2:9) (35°)	Inlet	79	75	77	76	76	76	78	74	86
HBA 56 M4 (A2:9) (33°)	Inlet	79	75	77	76	76	76	77	74	86
HBA 56 M4 (A2:9) (30°)	Inlet	80	75	76	76	77	76	77	74	86
HBA 56 M4 (A2:9) (27°)	Inlet	80	75	76	76	76	75	76	72	85
HBA 56 M4 (A2:9) (25°)	Inlet	79	74	76	76	76	75	76	72	85
HBA 56 M4 (A2:9) (20°)	Inlet	80	74	76	76	76	75	76	70	85

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 56 M4 (A5:6) (20°)	Inlet	66	73	78	79	80	78	76	68	86
HBA 56 M4 (A5:6) (25°)	Inlet	53	62	67	73	75	75	76	67	82
HBA 56 M4 (A5:6) (30°)	Inlet	62	72	79	81	81	79	77	69	87
HBA 56 M4 (A5:6) (35°)	Inlet	50	62	67	73	74	75	76	68	81
HBA 56 M4 (A5:6) (40°)	Inlet	56	69	79	85	84	78	76	67	89
HBA 56 M4 (A5:6) (45°)	Inlet	60	73	88	94	91	80	76	67	96
HBA 56 M4 0,55kW (A2:6) (25°)	Inlet	50	57	65	73	75	76	77	72	82
HBA 56 M4 0,55kW (A2:6) (20°)	Inlet	46	54	64	73	75	75	76	72	82
HBA 56 T4 (A2:6) (45°)	Inlet	82	76	77	75	75	76	75	72	86
HBA 56 T4 (A2:6) (43°)	Inlet	81	76	76	75	75	75	75	71	86
HBA 56 T4 (A2:6) (40°)	Inlet	80	77	75	74	74	74	75	71	85
HBA 56 T4 (A2:6) (37°)	Inlet	79	76	74	74	73	74	75	71	84
HBA 56 T4 (A2:6) (35°)	Inlet	78	75	73	74	73	74	74	71	84
HBA 56 T4 (A2:6) (33°)	Inlet	79	76	74	74	73	74	74	71	84
HBA 56 T4 (A2:6) (30°)	Inlet	78	75	74	74	73	73	75	71	83
HBA 56 T4 (A2:6) (27°)	Inlet	76	74	74	76	74	74	75	72	84
HBA 56 T4 (A2:6) (25°)	Inlet	76	73	74	76	75	75	76	73	84
HBA 56 T4 (A2:6) (20°)	Inlet	72	70	73	76	75	74	75	73	83
HBA 56 T4 (A2:9) (45°)	Inlet	80	76	80	76	76	76	77	74	86
HBA 56 T4 (A2:9) (43°)	Inlet	79	76	79	76	76	76	77	73	86
HBA 56 T4 (A2:9) (40°)	Inlet	79	76	78	76	76	76	77	73	86
HBA 56 T4 (A2:9) (37°)	Inlet	79	75	77	76	76	76	77	74	86
HBA 56 T4 (A2:9) (35°)	Inlet	79	75	77	76	76	76	78	74	86
HBA 56 T4 (A2:9) (33°)	Inlet	79	75	77	76	76	76	77	74	86
HBA 56 T4 (A2:9) (30°)	Inlet	80	75	76	76	77	76	77	74	86
HBA 56 T4 (A2:9) (27°)	Inlet	80	75	76	76	76	75	76	72	85
HBA 56 T4 (A2:9) (25°)	Inlet	79	74	76	76	76	75	76	72	85
HBA 56 T4 (A2:9) (20°)	Inlet	80	74	76	76	76	75	76	70	85
HBA 56 T4 (A5:6) (20°)	Inlet	66	73	78	79	80	78	76	68	86
HBA 56 T4 (A5:6) (25°)	Inlet	53	62	67	73	75	75	76	67	82
HBA 56 T4 (A5:6) (30°)	Inlet	62	72	79	81	81	79	77	69	87
HBA 56 T4 (A5:6) (35°)	Inlet	50	62	67	73	74	75	76	68	81
HBA 56 T4 (A5:6) (40°)	Inlet	56	69	79	85	84	78	76	67	89
HBA 56 T4 (A5:6) (45°)	Inlet	60	73	88	94	91	80	76	67	96
HBA 63 M4 (A2:6) (30°)	Inlet	79	76	75	77	75	76	77	74	85
HBA 63 M4 (A2:6) (27°)	Inlet	79	74	76	78	76	76	77	74	86
HBA 63 M4 (A2:6) (25°)	Inlet	79	74	76	78	76	76	77	74	86
HBA 63 M4 (A2:6) (20°)	Inlet	75	67	73	77	73	72	74	71	82
HBA 63 M4 (A2:9) (27°)	Inlet	83	77	79	79	78	78	79	76	88



Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 63 M4 (A2:9) (25°)	Inlet	83	77	79	79	78	77	79	75	88
HBA 63 M4 (A2:9) (20°)	Inlet	83	76	80	80	78	76	78	75	88
HBA 63 M4 (A5:6) (25°)	Inlet	54	63	68	73	77	76	76	70	83
HBA 63 M4 (A5:6) (20°)	Inlet	69	76	81	82	83	80	79	72	89
HBA 63 T4 (A2:6) (45°)	Inlet	84	78	79	77	78	77	77	73	88
HBA 63 T4 (A2:6) (43°)	Inlet	83	78	78	77	77	77	77	73	88
HBA 63 T4 (A2:6) (40°)	Inlet	81	78	76	76	76	76	76	73	86
HBA 63 T4 (A2:6) (37°)	Inlet	80	77	75	76	75	76	76	73	86
HBA 63 T4 (A2:6) (35°)	Inlet	79	76	74	75	74	76	76	73	85
HBA 63 T4 (A2:6) (33°)	Inlet	79	77	75	76	75	76	76	73	85
HBA 63 T4 (A2:6) (30°)	Inlet	79	76	75	77	75	76	77	74	85
HBA 63 T4 (A2:6) (27°)	Inlet	79	74	76	78	76	76	77	74	86
HBA 63 T4 (A2:6) (25°)	Inlet	79	74	76	78	76	76	77	74	86
HBA 63 T4 (A2:6) (20°)	Inlet	75	67	73	77	73	72	74	71	82
HBA 63 T4 (A2:9) (45°)	Inlet	83	80	78	79	78	79	80	76	88
HBA 63 T4 (A2:9) (43°)	Inlet	83	80	78	79	79	79	80	76	89
HBA 63 T4 (A2:9) (40°)	Inlet	83	79	78	79	79	79	79	77	89
HBA 63 T4 (A2:9) (37°)	Inlet	83	79	79	79	79	79	80	77	89
HBA 63 T4 (A2:9) (35°)	Inlet	83	79	79	80	79	79	80	77	89
HBA 63 T4 (A2:9) (33°)	Inlet	83	79	79	80	79	79	80	76	89
HBA 63 T4 (A2:9) (30°)	Inlet	84	79	79	79	78	79	80	76	89
HBA 63 T4 (A2:9) (27°)	Inlet	83	77	79	79	78	78	79	76	88
HBA 63 T4 (A2:9) (25°)	Inlet	83	77	79	79	78	77	79	75	88
HBA 63 T4 (A2:9) (20°)	Inlet	83	76	80	80	78	76	78	75	88
HBA 63 T4 (A5:6) (25°)	Inlet	54	63	68	73	77	76	76	70	83
HBA 63 T4 (A5:6) (30°)	Inlet	57	65	75	82	80	79	79	72	87
HBA 63 T4 (A5:6) (35°)	Inlet	53	65	70	74	78	77	79	72	84
HBA 63 T4 (A5:6) (40°)	Inlet	54	66	77	89	86	81	79	71	92
HBA 63 T4 (A5:6) (20°)	Inlet	69	76	81	82	83	80	79	72	89
HBA 63 T4 (A5:6) (45°)	Inlet	55	66	82	100	92	84	79	71	100
HBA 71 M4 (A2:6) (25°)	Inlet	83	79	80	82	81	81	82	78	90
HBA 71 M4 (A2:6) (20°)	Inlet	81	77	81	82	83	81	83	79	90
HBA 71 M4 (A2:9) (20°)	Inlet	86	82	84	86	85	84	86	80	94
HBA 71 M4 (A5:6) (20°)	Inlet	71	78	83	85	85	83	82	75	92
HBA 71 T4 (A2:6) (45°)	Inlet	88	82	83	80	80	80	80	75	91
HBA 71 T4 (A2:6) (43°)	Inlet	87	82	82	80	80	80	79	75	91
HBA 71 T4 (A2:6) (40°)	Inlet	85	82	80	80	80	80	79	75	90
HBA 71 T4 (A2:6) (37°)	Inlet	84	81	79	79	78	79	79	75	89
HBA 71 T4 (A2:6) (35°)	Inlet	83	80	78	78	77	78	79	75	88

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 71 T4 (A2:6) (33°)	Inlet	83	80	78	79	78	79	80	76	89
HBA 71 T4 (A2:6) (30°)	Inlet	84	80	79	81	79	80	81	78	90
HBA 71 T4 (A2:6) (27°)	Inlet	83	79	80	81	80	80	82	78	90
HBA 71 T4 (A2:6) (25°)	Inlet	83	79	80	82	81	81	82	78	90
HBA 71 T4 (A2:6) (20°)	Inlet	81	77	81	82	83	81	83	79	90
HBA 71 T4 (A2:9) (45°)	Inlet	86	84	82	81	81	81	81	77	91
HBA 71 T4 (A2:9) (43°)	Inlet	86	84	82	81	81	82	82	78	92
HBA 71 T4 (A2:9) (40°)	Inlet	87	84	82	81	82	82	82	79	92
HBA 71 T4 (A2:9) (37°)	Inlet	87	84	82	82	82	82	82	79	92
HBA 71 T4 (A2:9) (35°)	Inlet	86	83	81	82	82	82	82	79	91
HBA 71 T4 (A2:9) (33°)	Inlet	86	83	81	82	82	82	82	79	92
HBA 71 T4 (A2:9) (30°)	Inlet	86	83	81	82	82	82	83	79	92
HBA 71 T4 (A2:9) (27°)	Inlet	86	83	82	84	83	82	84	80	92
HBA 71 T4 (A2:9) (25°)	Inlet	86	83	83	84	83	83	84	80	93
HBA 71 T4 (A2:9) (20°)	Inlet	86	82	84	86	85	84	86	80	94
HBA 71 T4 (A5:6) (20°)	Inlet	71	78	83	85	85	83	82	75	92
HBA 71 T4 (A5:6) (25°)	Inlet	58	68	74	78	81	82	82	73	88
HBA 71 T4 (A5:6) (30°)	Inlet	60	68	75	81	82	81	81	72	87
HBA 71 T4 (A5:6) (35°)	Inlet	53	65	70	75	78	79	80	71	84
HBA 71 T4 (A5:6) (40°)	Inlet	57	68	83	92	88	83	81	72	95
HBA 71 T4 (A5:6) (45°)	Inlet	61	70	92	105	96	87	83	72	105
HBA 80 T4 (A2:6) (45°)	Inlet	88	85	84	82	82	81	81	76	93
HBA 80 T4 (A2:6) (43°)	Inlet	88	85	84	82	82	81	81	76	93
HBA 80 T4 (A2:6) (40°)	Inlet	87	85	83	81	81	81	81	76	92
HBA 80 T4 (A2:6) (37°)	Inlet	88	85	83	81	81	82	82	77	92
HBA 80 T4 (A2:6) (35°)	Inlet	88	85	83	81	81	83	83	78	92
HBA 80 T4 (A2:6) (33°)	Inlet	87	84	82	82	82	83	83	78	92
HBA 80 T4 (A2:6) (30°)	Inlet	86	83	81	82	82	83	83	79	92
HBA 80 T4 (A2:6) (27°)	Inlet	84	81	81	82	82	82	83	80	91
HBA 80 T4 (A2:6) (25°)	Inlet	83	80	81	82	83	82	83	80	91
HBA 80 T4 (A2:6) (20°)	Inlet	80	77	80	82	83	82	83	80	90
HBA 80 T4 (A2:9) (45°)	Inlet	90	87	86	84	84	84	83	79	95
HBA 80 T4 (A2:9) (43°)	Inlet	90	88	86	84	84	84	83	79	95
HBA 80 T4 (A2:9) (40°)	Inlet	90	87	85	84	84	85	85	80	95
HBA 80 T4 (A2:9) (37°)	Inlet	89	86	84	84	85	86	85	81	95
HBA 80 T4 (A2:9) (35°)	Inlet	88	85	83	84	85	86	85	81	94
HBA 80 T4 (A2:9) (33°)	Inlet	89	86	84	86	86	86	86	82	95
HBA 80 T4 (A2:9) (30°)	Inlet	89	86	84	87	87	87	87	83	96
HBA 80 T4 (A2:9) (27°)	Inlet	88	87	85	89	88	87	88	84	96

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 80 T4 (A2:9) (25°)	Inlet	88	87	85	90	89	87	89	84	97
HBA 80 T4 (A2:9) (20°)	Inlet	86	88	86	92	91	88	91	85	98
HBA 80 T4 (A5:6) (30°)	Inlet	61	72	79	89	87	85	85	77	93
HBA 80 T4 (A5:6) (35°)	Inlet	58	70	76	84	89	87	87	78	94
HBA 80 T4 (A5:6) (40°)	Inlet	59	72	88	93	90	86	84	76	97
HBA 80 T4 (A5:6) (20°)	Inlet	74	81	86	88	88	86	85	78	94
HBA 80 T4 (A5:6) (25°)	Inlet	61	68	74	79	81	81	82	74	88
HBA 90 T4 (A6:3) (42°)	Inlet	93	91	91	93	91	91	91	87	101
HBA 90 T4 (A6:3) (40°)	Inlet	92	90	90	92	90	90	90	87	99
HBA 90 T4 (A6:3) (38°)	Inlet	92	89	89	92	89	89	89	86	99
HBA 90 T4 (A6:3) (36°)	Inlet	92	88	88	91	87	88	88	85	98
HBA 90 T4 (A6:3) (34°)	Inlet	92	88	88	90	87	87	88	84	97
HBA 90 T4 (A6:3) (32°)	Inlet	91	87	87	89	86	86	87	84	97
HBA 90 T4 (A6:3) (30°)	Inlet	91	87	87	87	85	85	87	83	96
HBA 90 T4 (A6:3) (28°)	Inlet	90	85	86	85	84	84	86	83	95
HBA 90 T4 (A6:3) (26°)	Inlet	89	84	85	84	83	83	86	82	94
HBA 90 T4 (A6:3) (24°)	Inlet	88	83	84	82	82	82	85	81	93
HBA 90 T4 (A6:3) (22°)	Inlet	87	81	82	80	81	81	84	80	92
HBA 90 T4 (A6:3) (20°)	Inlet	86	79	81	78	79	79	83	79	90
HBA 90 T4 (A6:6) (42°)	Inlet	94	93	91	91	89	89	90	86	101
HBA 90 T4 (A6:6) (40°)	Inlet	94	92	90	91	89	89	90	86	100
HBA 90 T4 (A6:6) (38°)	Inlet	93	92	90	90	88	88	90	86	99
HBA 90 T4 (A6:6) (36°)	Inlet	92	91	89	89	88	88	89	86	98
HBA 90 T4 (A6:6) (34°)	Inlet	92	91	89	90	88	88	90	86	99
HBA 90 T4 (A6:6) (32°)	Inlet	94	93	91	92	90	89	91	88	101
HBA 90 T4 (A6:6) (30°)	Inlet	95	94	92	93	92	91	92	90	102
HBA 90 T4 (A6:6) (28°)	Inlet	94	93	92	93	92	91	92	89	102
HBA 90 T4 (A6:6) (26°)	Inlet	93	93	91	93	92	90	91	89	101
HBA 90 T4 (A6:6) (24°)	Inlet	93	92	91	92	92	90	91	88	101
HBA 90 T4 (A6:6) (22°)	Inlet	92	91	90	92	92	90	90	88	100
HBA 90 T4 (A6:6) (20°)	Inlet	91	91	90	91	92	89	90	87	99
HBA 100 T4 (A6:3) (42°)	Inlet	95	93	92	93	92	92	92	89	102
HBA 100 T4 (A6:3) (40°)	Inlet	95	93	91	93	91	91	91	88	101
HBA 100 T4 (A6:3) (38°)	Inlet	95	92	91	92	90	90	90	87	101
HBA 100 T4 (A6:3) (36°)	Inlet	95	91	91	91	90	89	90	87	101
HBA 100 T4 (A6:3) (34°)	Inlet	95	91	90	90	89	89	89	86	100
HBA 100 T4 (A6:3) (32°)	Inlet	94	89	89	88	87	87	89	85	98
HBA 100 T4 (A6:3) (30°)	Inlet	92	88	87	87	86	86	88	84	97
HBA 100 T4 (A6:3) (28°)	Inlet	92	88	87	86	86	87	89	85	97

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 100 T4 (A6:3) (26°)	Inlet	92	88	87	86	87	87	90	85	97
HBA 100 T4 (A6:3) (24°)	Inlet	92	88	87	86	87	87	90	86	97
HBA 100 T4 (A6:3) (22°)	Inlet	91	88	86	86	87	88	91	86	97
HBA 100 T4 (A6:3) (20°)	Inlet	90	87	85	84	87	87	91	85	97
HBA 100 T4 (A6:6) (42°)	Inlet	98	96	95	94	93	93	94	90	104
HBA 100 T4 (A6:6) (40°)	Inlet	99	97	95	94	93	93	94	90	105
HBA 100 T4 (A6:6) (38°)	Inlet	98	96	95	93	92	92	93	90	104
HBA 100 T4 (A6:6) (36°)	Inlet	97	95	94	92	92	91	93	89	103
HBA 100 T4 (A6:6) (34°)	Inlet	98	96	95	93	92	92	93	90	104
HBA 100 T4 (A6:6) (32°)	Inlet	98	97	95	95	94	93	94	91	105
HBA 100 T4 (A6:6) (30°)	Inlet	99	97	96	97	95	94	96	93	106
HBA 100 T4 (A6:6) (28°)	Inlet	99	97	96	98	95	94	95	93	106
HBA 100 T4 (A6:6) (26°)	Inlet	97	97	95	97	95	94	95	92	105
HBA 100 T4 (A6:6) (24°)	Inlet	96	96	94	97	95	94	94	92	104
HBA 100 T4 (A6:6) (22°)	Inlet	95	96	94	98	95	94	94	92	105
HBA 100 T4 (A6:6) (20°)	Inlet	95	96	94	98	96	94	94	92	105
HBA 112 T4 (A6:3) (42°)	Inlet	99	96	94	95	94	94	94	91	104
HBA 112 T4 (A6:3) (40°)	Inlet	99	95	94	94	93	93	93	91	104
HBA 112 T4 (A6:3) (38°)	Inlet	99	95	94	94	93	92	93	91	104
HBA 112 T4 (A6:3) (36°)	Inlet	99	94	94	93	92	92	93	91	104
HBA 112 T4 (A6:3) (34°)	Inlet	99	93	94	93	92	91	93	91	103
HBA 112 T4 (A6:3) (32°)	Inlet	98	93	93	92	92	91	93	91	103
HBA 112 T4 (A6:3) (30°)	Inlet	97	93	92	92	92	91	94	91	103
HBA 112 T4 (A6:3) (28°)	Inlet	97	93	92	92	92	92	94	91	103
HBA 112 T4 (A6:3) (26°)	Inlet	97	93	92	92	92	92	95	91	103
HBA 112 T4 (A6:3) (24°)	Inlet	96	93	91	91	92	92	94	91	102
HBA 112 T4 (A6:3) (22°)	Inlet	95	92	90	90	92	92	94	91	102
HBA 112 T4 (A6:3) (20°)	Inlet	93	90	88	89	91	91	93	90	101
HBA 112 T4 (A6:6) (42°)	Inlet	105	100	99	97	97	97	97	93	109
HBA 112 T4 (A6:6) (40°)	Inlet	105	101	99	97	97	97	98	93	109
HBA 112 T4 (A6:6) (38°)	Inlet	103	99	98	95	96	96	97	92	107
HBA 112 T4 (A6:6) (36°)	Inlet	101	98	96	94	94	94	95	90	106
HBA 112 T4 (A6:6) (34°)	Inlet	100	97	95	94	94	94	95	90	105
HBA 112 T4 (A6:6) (32°)	Inlet	101	97	95	95	95	95	96	91	106
HBA 112 T4 (A6:6) (30°)	Inlet	101	98	96	97	96	96	97	92	107
HBA 112 T4 (A6:6) (28°)	Inlet	100	98	96	98	97	96	97	93	107
HBA 112 T4 (A6:6) (26°)	Inlet	98	97	95	98	97	96	97	93	106
HBA 112 T4 (A6:6) (24°)	Inlet	97	96	95	98	97	95	96	93	106
HBA 112 T4 (A6:6) (22°)	Inlet	96	96	95	99	98	96	97	94	106

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 112 T4 (A6:6) (20°)	Inlet	95	96	95	101	98	96	97	94	106
HBA 125 T4 (A7:4) (42°)	Inlet	102	99	97	95	95	96	96	91	107
HBA 125 T4 (A7:4) (40°)	Inlet	102	98	96	95	94	95	95	91	106
HBA 125 T4 (A7:4) (38°)	Inlet	101	98	96	94	94	95	95	90	106
HBA 125 T4 (A7:4) (36°)	Inlet	100	97	95	93	93	94	95	89	105
HBA 125 T4 (A7:4) (34°)	Inlet	99	96	94	93	93	94	95	89	105
HBA 125 T4 (A7:4) (32°)	Inlet	100	97	95	93	93	94	95	90	105
HBA 125 T4 (A7:4) (30°)	Inlet	100	97	95	93	94	95	96	91	105
HBA 125 T4 (A7:4) (28°)	Inlet	102	98	96	95	96	97	98	94	107
HBA 125 T4 (A7:4) (26°)	Inlet	102	100	98	97	98	98	99	96	108
HBA 125 T4 (A7:4) (24°)	Inlet	102	101	99	99	100	100	102	99	109
HBA 125 T4 (A7:4) (22°)	Inlet	101	103	101	102	102	102	104	102	111
HBA 125 T4 (A7:4) (20°)	Inlet	98	102	99	101	102	101	103	102	110
HBA 125 T4 (A7:8) (42°)	Inlet	103	100	98	97	97	97	96	92	108
HBA 125 T4 (A7:8) (40°)	Inlet	103	100	98	97	97	98	96	92	108
HBA 125 T4 (A7:8) (38°)	Inlet	104	101	98	97	97	98	97	92	108
HBA 125 T4 (A7:8) (36°)	Inlet	104	100	98	97	97	98	98	92	108
HBA 125 T4 (A7:8) (34°)	Inlet	104	99	98	97	98	99	99	93	109
HBA 125 T4 (A7:8) (32°)	Inlet	103	99	98	97	99	100	101	95	109
HBA 125 T4 (A7:8) (30°)	Inlet	103	99	98	98	100	102	102	97	110
HBA 125 T4 (A7:8) (28°)	Inlet	104	99	99	99	102	104	104	99	111
HBA 125 T4 (A7:8) (26°)	Inlet	104	100	99	101	103	105	105	101	112
HBA 125 T4 (A7:8) (24°)	Inlet	104	101	100	102	105	106	106	102	113
HBA 125 T4 (A7:8) (22°)	Inlet	104	101	101	103	106	108	107	104	114
HBA 125 T4 (A7:8) (20°)	Inlet	104	102	101	104	107	109	108	105	115

## 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
HBA 35 T6 (A0:6) (40°)	Inlet	58	55	54	53	52	52	53	49	63
HBA 35 T6 (A0:6) (35°)	Inlet	56	54	53	51	50	50	51	48	61
HBA 40 T6 (A0:6) (40°)	Inlet	64	60	59	56	56	56	57	52	68
HBA 40 T6 (A0:6) (35°)	Inlet	60	57	55	53	53	54	55	49	64
HBA 45 T6 (A0:6) (40°)	Inlet	64	61	59	57	57	56	57	53	68
HBA 45 T6 (A0:6) (35°)	Inlet	61	59	57	56	56	55	57	52	66
HBA 45 T6 (A5:6) (45°)	Inlet	42	46	54	58	61	62	63	55	68
HBA 45 T6 (A5:6) (40°)	Inlet	43	47	55	57	60	60	62	53	67
HBA 45 T6 (A5:6) (35°)	Inlet	40	44	52	53	58	58	60	49	65

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 45 T6 (A5:6) (30°)	Inlet	39	44	51	55	57	58	59	50	64
HBA 45 T6 (A5:6) (25°)	Inlet	36	41	48	55	53	55	57	49	62
HBA 50 T6 (A0:6) (40°)	Inlet	66	63	61	59	59	57	59	54	70
HBA 50 T6 (A0:6) (35°)	Inlet	63	60	59	57	56	55	56	51	67
HBA 50 T6 (A5:6) (45°)	Inlet	43	50	55	63	64	64	66	58	71
HBA 50 T6 (A5:6) (40°)	Inlet	40	47	52	58	60	61	63	54	67
HBA 50 T6 (A5:6) (35°)	Inlet	39	44	51	58	60	61	63	54	67
HBA 50 T6 (A5:6) (30°)	Inlet	38	43	50	54	57	58	61	52	65
HBA 50 T6 (A5:6) (25°)	Inlet	35	42	47	52	54	57	59	51	63
HBA 56 M6 (A2:6) (45°)	Inlet	73	66	68	66	66	66	66	62	77
HBA 56 M6 (A2:6) (43°)	Inlet	72	67	67	65	65	66	66	62	76
HBA 56 M6 (A2:6) (40°)	Inlet	71	68	66	65	64	65	66	61	75
HBA 56 M6 (A2:6) (37°)	Inlet	70	67	65	65	64	65	65	61	75
HBA 56 M6 (A2:6) (35°)	Inlet	69	66	64	64	63	64	65	62	74
HBA 56 M6 (A2:6) (33°)	Inlet	69	66	64	64	63	64	65	62	74
HBA 56 M6 (A2:6) (30°)	Inlet	68	65	64	64	64	64	65	61	74
HBA 56 M6 (A2:6) (27°)	Inlet	67	64	65	66	65	65	66	63	74
HBA 56 M6 (A2:6) (25°)	Inlet	66	64	65	67	66	65	66	63	75
HBA 56 M6 (A2:6) (20°)	Inlet	63	61	63	67	65	65	66	63	73
HBA 56 M6 (A2:9) (45°)	Inlet	70	67	70	67	67	67	67	64	77
HBA 56 M6 (A2:9) (43°)	Inlet	70	66	70	67	67	67	67	64	77
HBA 56 M6 (A2:9) (40°)	Inlet	70	66	68	66	67	66	67	64	76
HBA 56 M6 (A2:9) (37°)	Inlet	69	66	68	67	67	66	68	64	76
HBA 56 M6 (A2:9) (35°)	Inlet	69	65	67	67	67	67	68	64	76
HBA 56 M6 (A2:9) (33°)	Inlet	70	65	67	67	67	67	68	64	76
HBA 56 M6 (A2:9) (30°)	Inlet	70	66	67	67	67	67	68	64	76
HBA 56 M6 (A2:9) (27°)	Inlet	70	65	67	67	67	66	67	63	76
HBA 56 M6 (A2:9) (25°)	Inlet	70	65	66	67	67	66	67	62	76
HBA 56 M6 (A2:9) (20°)	Inlet	70	65	66	67	67	66	66	61	76
HBA 56 M6 (A5:6) (20°)	Inlet	63	70	75	76	77	75	73	65	82
HBA 56 M6 (A5:6) (25°)	Inlet	50	59	64	70	72	72	73	64	78
HBA 56 M6 (A5:6) (30°)	Inlet	58	68	75	77	78	76	74	66	83
HBA 56 M6 (A5:6) (35°)	Inlet	47	58	63	69	70	71	72	64	78
HBA 56 M6 (A5:6) (40°)	Inlet	53	66	76	81	81	75	73	64	85
HBA 56 M6 (A5:6) (45°)	Inlet	57	69	84	90	88	77	73	63	93
HBA 56 M6 0,25kW (A2:6) (35°)	Inlet	43	50	55	61	63	65	66	61	71
HBA 56 M6 0,25kW (A2:6) (37°)	Inlet	44	51	56	62	64	66	66	60	71
HBA 56 M6 0,25kW (A2:6) (33°)	Inlet	43	50	55	61	63	65	66	61	71
HBA 56 M6 0,25kW (A2:6) (30°)	Inlet	42	49	55	61	64	65	66	60	71

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 56 M6 0,25kW (A2:6) (28°)	Inlet	42	49	56	62	64	65	66	61	71
HBA 56 M6 0,25kW (A2:6) (25°)	Inlet	40	48	56	64	66	66	67	62	73
HBA 56 M6 0,25kW (A2:6) (20°)	Inlet	37	45	54	64	65	66	67	62	72
HBA 56 T6 (A2:6) (45°)	Inlet	73	66	68	66	66	66	66	62	77
HBA 56 T6 (A2:6) (43°)	Inlet	72	67	67	65	65	66	66	62	76
HBA 56 T6 (A2:6) (40°)	Inlet	71	68	66	65	64	65	66	61	75
HBA 56 T6 (A2:6) (37°)	Inlet	70	67	65	65	64	65	65	61	75
HBA 56 T6 (A2:6) (35°)	Inlet	69	66	64	64	63	64	65	62	74
HBA 56 T6 (A2:6) (33°)	Inlet	69	66	64	64	63	64	65	62	74
HBA 56 T6 (A2:6) (30°)	Inlet	68	65	64	64	64	64	65	61	74
HBA 56 T6 (A2:6) (27°)	Inlet	67	64	65	66	65	65	66	63	74
HBA 56 T6 (A2:6) (25°)	Inlet	66	64	65	67	66	65	66	63	75
HBA 56 T6 (A2:6) (20°)	Inlet	63	61	63	67	65	65	66	63	73
HBA 56 T6 (A2:9) (45°)	Inlet	70	67	70	67	67	67	67	64	77
HBA 56 T6 (A2:9) (43°)	Inlet	70	66	70	67	67	67	67	64	77
HBA 56 T6 (A2:9) (40°)	Inlet	70	66	68	66	67	66	67	64	76
HBA 56 T6 (A2:9) (37°)	Inlet	69	66	68	67	67	66	68	64	76
HBA 56 T6 (A2:9) (35°)	Inlet	69	65	67	67	67	67	68	64	76
HBA 56 T6 (A2:9) (33°)	Inlet	70	65	67	67	67	67	68	64	76
HBA 56 T6 (A2:9) (30°)	Inlet	70	66	67	67	67	67	68	64	76
HBA 56 T6 (A2:9) (27°)	Inlet	70	65	67	67	67	66	67	63	76
HBA 56 T6 (A2:9) (25°)	Inlet	70	65	66	67	67	66	67	62	76
HBA 56 T6 (A2:9) (20°)	Inlet	70	65	66	67	67	66	66	61	76
HBA 56 T6 (A5:6) (20°)	Inlet	63	70	75	76	77	75	73	65	82
HBA 56 T6 (A5:6) (25°)	Inlet	50	59	64	70	72	72	73	64	78
HBA 56 T6 (A5:6) (30°)	Inlet	58	68	75	77	78	76	74	66	83
HBA 56 T6 (A5:6) (35°)	Inlet	47	58	63	69	70	71	72	64	78
HBA 56 T6 (A5:6) (40°)	Inlet	53	66	76	81	81	75	73	64	85
HBA 56 T6 (A5:6) (45°)	Inlet	57	69	84	90	88	77	73	63	93
HBA 63 M6 (A2:6) (45°)	Inlet	75	69	70	68	68	68	68	64	79
HBA 63 M6 (A2:6) (43°)	Inlet	74	69	69	68	68	68	68	64	78
HBA 63 M6 (A2:6) (40°)	Inlet	72	68	67	67	66	67	67	63	77
HBA 63 M6 (A2:6) (37°)	Inlet	71	68	66	66	66	67	67	63	76
HBA 63 M6 (A2:6) (35°)	Inlet	70	67	65	66	65	66	67	63	75
HBA 63 M6 (A2:6) (33°)	Inlet	70	67	65	67	65	67	67	64	76
HBA 63 M6 (A2:6) (30°)	Inlet	70	67	66	67	66	67	67	65	76
HBA 63 M6 (A2:6) (27°)	Inlet	69	65	66	68	67	67	68	65	76
HBA 63 M6 (A2:6) (25°)	Inlet	69	64	67	69	67	67	68	65	76
HBA 63 M6 (A2:6) (20°)	Inlet	65	58	63	67	64	63	65	61	73

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 63 M6 (A2:9) (45°)	Inlet	73	70	68	69	69	69	70	67	79
HBA 63 M6 (A2:9) (43°)	Inlet	73	70	68	69	69	69	70	67	79
HBA 63 M6 (A2:9) (40°)	Inlet	74	70	69	69	69	69	70	67	79
HBA 63 M6 (A2:9) (37°)	Inlet	74	70	69	70	69	70	70	67	79
HBA 63 M6 (A2:9) (35°)	Inlet	73	70	70	70	69	70	71	67	79
HBA 63 M6 (A2:9) (33°)	Inlet	74	69	70	70	69	69	70	67	79
HBA 63 M6 (A2:9) (30°)	Inlet	74	69	69	70	69	69	70	67	79
HBA 63 M6 (A2:9) (27°)	Inlet	74	68	69	70	69	68	70	66	79
HBA 63 M6 (A2:9) (25°)	Inlet	74	67	69	70	69	68	69	66	79
HBA 63 M6 (A2:9) (20°)	Inlet	74	66	70	70	69	67	69	66	79
HBA 63 M6 (A5:6) (25°)	Inlet	51	60	65	70	74	73	73	67	79
HBA 63 M6 (A5:6) (30°)	Inlet	54	62	72	79	77	76	76	69	83
HBA 63 M6 (A5:6) (35°)	Inlet	50	62	67	71	75	74	76	69	81
HBA 63 M6 (A5:6) (40°)	Inlet	51	63	74	86	83	78	76	68	88
HBA 63 M6 (A5:6) (20°)	Inlet	66	73	78	79	80	77	76	69	85
HBA 63 M6 (A5:6) (45°)	Inlet	52	63	79	96	88	81	76	67	97
HBA 63 T6 (A2:6) (45°)	Inlet	75	69	70	68	68	68	68	64	79
HBA 63 T6 (A2:6) (43°)	Inlet	74	69	69	68	68	68	68	64	78
HBA 63 T6 (A2:6) (40°)	Inlet	72	68	67	67	66	67	67	63	77
HBA 63 T6 (A2:6) (37°)	Inlet	71	68	66	66	66	67	67	63	76
HBA 63 T6 (A2:6) (35°)	Inlet	70	67	65	66	65	66	67	63	75
HBA 63 T6 (A2:6) (33°)	Inlet	70	67	65	67	65	67	67	64	76
HBA 63 T6 (A2:6) (30°)	Inlet	70	67	66	67	66	67	67	65	76
HBA 63 T6 (A2:6) (27°)	Inlet	69	65	66	68	67	67	68	65	76
HBA 63 T6 (A2:6) (25°)	Inlet	69	64	67	69	67	67	68	65	76
HBA 63 T6 (A2:6) (20°)	Inlet	65	58	63	67	64	63	65	61	73
HBA 63 T6 (A2:9) (45°)	Inlet	73	70	68	69	69	69	70	67	79
HBA 63 T6 (A2:9) (43°)	Inlet	73	70	68	69	69	69	70	67	79
HBA 63 T6 (A2:9) (40°)	Inlet	74	70	69	69	69	69	70	67	79
HBA 63 T6 (A2:9) (37°)	Inlet	74	70	69	70	69	70	70	67	79
HBA 63 T6 (A2:9) (35°)	Inlet	73	70	70	70	69	70	71	67	79
HBA 63 T6 (A2:9) (33°)	Inlet	74	69	70	70	69	69	70	67	79
HBA 63 T6 (A2:9) (30°)	Inlet	74	69	69	70	69	69	70	67	79
HBA 63 T6 (A2:9) (27°)	Inlet	74	68	69	70	69	68	70	66	79
HBA 63 T6 (A2:9) (25°)	Inlet	74	67	69	70	69	68	69	66	79
HBA 63 T6 (A2:9) (20°)	Inlet	74	66	70	70	69	67	69	66	79
HBA 63 T6 (A5:6) (25°)	Inlet	51	60	65	70	74	73	73	67	79
HBA 63 T6 (A5:6) (30°)	Inlet	54	62	72	79	77	76	76	69	83
HBA 63 T6 (A5:6) (35°)	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
HBA 63 T6 (A5:6) (40°)	Inlet	51	63	74	86	83	78	76	68	88
HBA 63 T6 (A5:6) (20°)	Inlet	66	73	78	79	80	77	76	69	85
HBA 63 T6 (A5:6) (45°)	Inlet	52	63	79	96	88	81	76	67	97
HBA 71 M6 (A2:6) (45°)	Inlet	78	72	73	71	71	70	70	66	82
HBA 71 M6 (A2:6) (43°)	Inlet	77	72	72	71	71	70	70	66	81
HBA 71 M6 (A2:6) (40°)	Inlet	76	73	71	70	70	70	70	66	81
HBA 71 M6 (A2:6) (37°)	Inlet	75	72	70	69	69	70	70	66	80
HBA 71 M6 (A2:6) (35°)	Inlet	73	70	68	69	68	69	70	65	79
HBA 71 M6 (A2:6) (33°)	Inlet	74	71	69	70	69	70	70	67	79
HBA 71 M6 (A2:6) (30°)	Inlet	74	71	70	71	70	71	71	68	80
HBA 71 M6 (A2:6) (27°)	Inlet	74	70	70	72	71	71	72	69	80
HBA 71 M6 (A2:6) (25°)	Inlet	73	69	71	72	72	71	73	69	80
HBA 71 M6 (A2:6) (20°)	Inlet	71	67	71	73	73	71	74	69	81
HBA 71 M6 (A2:9) (45°)	Inlet	77	74	72	72	72	72	72	68	82
HBA 71 M6 (A2:9) (43°)	Inlet	77	74	73	72	72	72	72	68	82
HBA 71 M6 (A2:9) (40°)	Inlet	78	75	73	72	73	73	73	69	83
HBA 71 M6 (A2:9) (37°)	Inlet	77	74	72	72	73	73	73	69	83
HBA 71 M6 (A2:9) (35°)	Inlet	76	73	71	73	73	73	73	69	82
HBA 71 M6 (A2:9) (33°)	Inlet	76	73	71	73	73	73	73	70	82
HBA 71 M6 (A2:9) (30°)	Inlet	77	73	72	73	72	72	73	70	82
HBA 71 M6 (A2:9) (27°)	Inlet	77	73	73	74	74	73	74	70	83
HBA 71 M6 (A2:9) (25°)	Inlet	77	73	73	75	74	73	75	70	83
HBA 71 M6 (A2:9) (20°)	Inlet	77	73	75	76	76	74	76	71	84
HBA 71 M6 (A5:6) (20°)	Inlet	68	75	80	82	82	80	79	72	88
HBA 71 M6 (A5:6) (25°)	Inlet	55	65	71	75	78	79	79	70	84
HBA 71 M6 (A5:6) (30°)	Inlet	57	65	71	77	78	78	77	68	84
HBA 71 M6 (A5:6) (35°)	Inlet	49	61	66	71	74	75	76	67	81
HBA 71 M6 (A5:6) (40°)	Inlet	54	64	79	89	85	80	78	68	91
HBA 71 M6 (A5:6) (45°)	Inlet	57	66	88	101	92	83	79	69	102
HBA 71 T6 (A2:6) (45°)	Inlet	78	72	73	71	71	70	70	66	82
HBA 71 T6 (A2:6) (43°)	Inlet	77	72	72	71	71	70	70	66	81
HBA 71 T6 (A2:6) (40°)	Inlet	76	73	71	70	70	70	70	66	81
HBA 71 T6 (A2:6) (37°)	Inlet	75	72	70	69	69	70	70	66	80
HBA 71 T6 (A2:6) (35°)	Inlet	73	70	68	69	68	69	70	65	79
HBA 71 T6 (A2:6) (33°)	Inlet	74	71	69	70	69	70	70	67	79
HBA 71 T6 (A2:6) (30°)	Inlet	74	71	70	71	70	71	71	68	80
HBA 71 T6 (A2:6) (27°)	Inlet	74	70	70	72	71	71	72	69	80
HBA 71 T6 (A2:6) (25°)	Inlet	73	69	71	72	72	71	73	69	80
HBA 71 T6 (A2:6) (20°)	Inlet	71	67	71	73	73	71	74	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
HBA 71 T6 (A2:9) (45°)	Inlet	77	74	72	72	72	72	72	68	82
HBA 71 T6 (A2:9) (43°)	Inlet	77	74	73	72	72	72	72	68	82
HBA 71 T6 (A2:9) (40°)	Inlet	78	75	73	72	73	73	73	69	83
HBA 71 T6 (A2:9) (37°)	Inlet	77	74	72	72	73	73	73	69	83
HBA 71 T6 (A2:9) (35°)	Inlet	76	73	71	73	73	73	73	69	82
HBA 71 T6 (A2:9) (33°)	Inlet	76	73	71	73	73	73	73	70	82
HBA 71 T6 (A2:9) (30°)	Inlet	77	73	72	73	72	72	73	70	82
HBA 71 T6 (A2:9) (27°)	Inlet	77	73	73	74	74	73	74	70	83
HBA 71 T6 (A2:9) (25°)	Inlet	77	73	73	75	74	73	75	70	83
HBA 71 T6 (A2:9) (20°)	Inlet	77	73	75	76	76	74	76	71	84
HBA 71 T6 (A5:6) (20°)	Inlet	68	75	80	82	82	80	79	72	88
HBA 71 T6 (A5:6) (25°)	Inlet	55	65	71	75	78	79	79	70	84
HBA 71 T6 (A5:6) (30°)	Inlet	57	65	71	77	78	78	77	68	84
HBA 71 T6 (A5:6) (35°)	Inlet	49	61	66	71	74	75	76	67	81
HBA 71 T6 (A5:6) (40°)	Inlet	54	64	79	89	85	80	78	68	91
HBA 71 T6 (A5:6) (45°)	Inlet	57	66	88	101	92	83	79	69	102
HBA 80 T6 (A2:6) (45°)	Inlet	79	76	75	73	73	72	72	67	83
HBA 80 T6 (A2:6) (43°)	Inlet	78	76	75	72	72	72	72	67	83
HBA 80 T6 (A2:6) (40°)	Inlet	78	76	74	72	72	72	71	67	83
HBA 80 T6 (A2:6) (37°)	Inlet	79	76	74	72	72	72	72	68	83
HBA 80 T6 (A2:6) (35°)	Inlet	78	75	73	72	72	73	73	68	83
HBA 80 T6 (A2:6) (33°)	Inlet	77	74	72	72	72	73	74	69	83
HBA 80 T6 (A2:6) (30°)	Inlet	76	73	71	72	72	73	74	69	82
HBA 80 T6 (A2:6) (27°)	Inlet	75	72	71	73	73	73	74	70	82
HBA 80 T6 (A2:6) (25°)	Inlet	74	71	71	73	73	73	74	70	82
HBA 80 T6 (A2:6) (20°)	Inlet	71	68	71	73	74	72	74	71	81
HBA 80 T6 (A2:9) (45°)	Inlet	80	78	77	74	74	74	74	70	85
HBA 80 T6 (A2:9) (43°)	Inlet	81	78	76	74	74	75	74	70	85
HBA 80 T6 (A2:9) (40°)	Inlet	81	78	76	74	75	76	75	71	85
HBA 80 T6 (A2:9) (37°)	Inlet	80	77	75	75	75	76	75	71	85
HBA 80 T6 (A2:9) (35°)	Inlet	79	76	74	75	76	76	76	72	85
HBA 80 T6 (A2:9) (33°)	Inlet	80	77	75	76	77	77	77	73	86
HBA 80 T6 (A2:9) (30°)	Inlet	80	77	75	77	77	77	78	74	86
HBA 80 T6 (A2:9) (27°)	Inlet	79	78	76	79	79	78	79	74	87
HBA 80 T6 (A2:9) (25°)	Inlet	78	78	76	80	79	78	79	74	87
HBA 80 T6 (A2:9) (20°)	Inlet	76	78	77	83	82	79	81	75	89
HBA 80 T6 (A5:6) (30°)	Inlet	58	69	76	86	84	82	82	74	90
HBA 80 T6 (A5:6) (35°)	Inlet	55	67	73	81	86	84	84	75	90
HBA 80 T6 (A5:6) (40°)	Inlet	56	69	85	90	87	83	81	73	93

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 80 T6 (A5:6) (20°)	Inlet	71	78	83	85	85	83	82	75	91
HBA 80 T6 (A5:6) (25°)	Inlet	58	65	71	76	78	78	79	71	84
HBA 80 T6 (A5:6) (45°)	Inlet	56	70	93	96	87	82	79	71	98
HBA 90 T6 (A6:3) (42°)	Inlet	83	82	81	83	81	82	81	78	91
HBA 90 T6 (A6:3) (40°)	Inlet	83	81	81	83	80	81	81	77	90
HBA 90 T6 (A6:3) (38°)	Inlet	83	80	80	82	79	79	80	76	89
HBA 90 T6 (A6:3) (36°)	Inlet	82	79	79	81	78	78	79	75	88
HBA 90 T6 (A6:3) (34°)	Inlet	82	78	78	80	77	77	78	75	88
HBA 90 T6 (A6:3) (32°)	Inlet	82	78	78	79	77	77	78	74	87
HBA 90 T6 (A6:3) (30°)	Inlet	82	77	77	78	76	76	78	74	87
HBA 90 T6 (A6:3) (28°)	Inlet	81	76	76	76	75	75	77	73	86
HBA 90 T6 (A6:3) (26°)	Inlet	80	75	75	74	74	74	76	72	85
HBA 90 T6 (A6:3) (24°)	Inlet	79	73	74	72	73	73	75	71	84
HBA 90 T6 (A6:3) (22°)	Inlet	78	72	73	70	71	71	74	70	82
HBA 90 T6 (A6:3) (20°)	Inlet	77	70	72	68	70	70	73	69	81
HBA 90 T6 (A6:6) (42°)	Inlet	84	84	82	82	80	80	81	77	91
HBA 90 T6 (A6:6) (40°)	Inlet	84	83	81	81	79	79	81	77	90
HBA 90 T6 (A6:6) (38°)	Inlet	83	82	80	81	79	79	80	77	90
HBA 90 T6 (A6:6) (36°)	Inlet	83	81	79	80	78	78	80	76	89
HBA 90 T6 (A6:6) (34°)	Inlet	83	82	80	80	79	79	80	77	89
HBA 90 T6 (A6:6) (32°)	Inlet	84	83	81	82	80	80	82	78	91
HBA 90 T6 (A6:6) (30°)	Inlet	85	84	83	84	82	81	83	80	92
HBA 90 T6 (A6:6) (28°)	Inlet	85	84	82	84	83	81	83	80	92
HBA 90 T6 (A6:6) (26°)	Inlet	84	83	82	83	83	81	82	79	91
HBA 90 T6 (A6:6) (24°)	Inlet	83	83	82	83	83	81	82	79	91
HBA 90 T6 (A6:6) (22°)	Inlet	82	82	81	82	83	80	81	78	90
HBA 90 T6 (A6:6) (20°)	Inlet	82	81	80	82	83	80	80	78	90
HBA 100 T6 (A6:3) (42°)	Inlet	86	84	82	84	83	82	82	79	92
HBA 100 T6 (A6:3) (40°)	Inlet	86	83	82	83	82	81	82	79	92
HBA 100 T6 (A6:3) (38°)	Inlet	86	83	82	82	81	81	81	78	91
HBA 100 T6 (A6:3) (36°)	Inlet	86	82	82	82	80	80	80	77	91
HBA 100 T6 (A6:3) (34°)	Inlet	86	81	81	81	79	79	80	77	90
HBA 100 T6 (A6:3) (32°)	Inlet	84	80	79	79	78	78	79	76	89
HBA 100 T6 (A6:3) (30°)	Inlet	82	79	77	77	77	77	79	75	87
HBA 100 T6 (A6:3) (28°)	Inlet	82	79	77	77	77	77	79	75	87
HBA 100 T6 (A6:3) (26°)	Inlet	82	79	77	77	77	78	80	76	88
HBA 100 T6 (A6:3) (24°)	Inlet	82	79	77	77	78	78	81	76	88
HBA 100 T6 (A6:3) (22°)	Inlet	82	79	77	76	78	78	82	76	88
HBA 100 T6 (A6:3) (20°)	Inlet	81	78	76	75	77	78	81	76	87

**Sound power Lw dB (A)**

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 100 T6 (A6:6) (42°)	Inlet	89	87	86	85	84	83	84	81	95
HBA 100 T6 (A6:6) (40°)	Inlet	89	87	86	85	84	84	85	81	95
HBA 100 T6 (A6:6) (38°)	Inlet	89	87	85	84	83	83	84	80	94
HBA 100 T6 (A6:6) (36°)	Inlet	88	86	85	83	82	82	83	80	93
HBA 100 T6 (A6:6) (34°)	Inlet	88	86	85	84	83	82	84	81	94
HBA 100 T6 (A6:6) (32°)	Inlet	89	87	86	86	84	84	85	82	95
HBA 100 T6 (A6:6) (30°)	Inlet	90	88	87	88	86	85	86	83	96
HBA 100 T6 (A6:6) (28°)	Inlet	89	88	87	88	86	85	86	83	96
HBA 100 T6 (A6:6) (26°)	Inlet	88	87	86	88	86	85	85	83	95
HBA 100 T6 (A6:6) (24°)	Inlet	86	86	85	88	86	84	85	82	95
HBA 100 T6 (A6:6) (22°)	Inlet	86	86	84	88	86	84	85	82	95
HBA 100 T6 (A6:6) (20°)	Inlet	85	86	84	89	87	85	85	83	95
HBA 112 T6 (A6:3) (42°)	Inlet	89	86	84	85	84	84	84	82	95
HBA 112 T6 (A6:3) (40°)	Inlet	89	85	84	85	84	83	84	81	94
HBA 112 T6 (A6:3) (38°)	Inlet	90	85	85	84	83	83	84	82	94
HBA 112 T6 (A6:3) (36°)	Inlet	89	84	85	84	83	82	84	81	94
HBA 112 T6 (A6:3) (34°)	Inlet	89	84	84	83	83	82	84	81	94
HBA 112 T6 (A6:3) (32°)	Inlet	89	84	84	83	82	82	84	81	93
HBA 112 T6 (A6:3) (30°)	Inlet	88	83	83	83	82	82	84	81	93
HBA 112 T6 (A6:3) (28°)	Inlet	88	84	83	83	83	83	85	82	93
HBA 112 T6 (A6:3) (26°)	Inlet	87	84	82	82	83	83	85	82	93
HBA 112 T6 (A6:3) (24°)	Inlet	86	83	81	82	83	83	85	82	93
HBA 112 T6 (A6:3) (22°)	Inlet	85	82	80	81	82	82	84	81	92
HBA 112 T6 (A6:3) (20°)	Inlet	84	81	79	80	82	82	84	81	91
HBA 112 T6 (A6:6) (42°)	Inlet	95	91	90	88	87	87	88	83	99
HBA 112 T6 (A6:6) (40°)	Inlet	95	91	90	88	88	88	88	84	99
HBA 112 T6 (A6:6) (38°)	Inlet	93	90	88	86	86	86	87	82	97
HBA 112 T6 (A6:6) (36°)	Inlet	91	88	86	84	85	85	86	81	96
HBA 112 T6 (A6:6) (34°)	Inlet	91	88	86	84	84	85	86	81	95
HBA 112 T6 (A6:6) (32°)	Inlet	91	88	86	86	85	86	87	82	96
HBA 112 T6 (A6:6) (30°)	Inlet	91	88	86	88	87	87	87	83	97
HBA 112 T6 (A6:6) (28°)	Inlet	91	88	86	89	87	87	88	83	97
HBA 112 T6 (A6:6) (26°)	Inlet	89	88	86	89	87	86	87	83	96
HBA 112 T6 (A6:6) (24°)	Inlet	87	87	85	89	87	86	87	83	96
HBA 112 T6 (A6:6) (22°)	Inlet	87	87	86	90	88	86	87	84	96
HBA 112 T6 (A6:6) (20°)	Inlet	86	87	85	91	89	86	88	85	96
HBA 125 T6 (A7:4) (42°)	Inlet	92	89	87	86	85	87	86	82	97
HBA 125 T6 (A7:4) (40°)	Inlet	92	89	87	85	85	86	86	81	96
HBA 125 T6 (A7:4) (38°)	Inlet	91	88	86	85	85	86	86	81	96

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
HBA 125 T6 (A7:4) (36°)	Inlet	90	87	85	84	84	85	85	80	95
HBA 125 T6 (A7:4) (34°)	Inlet	90	87	85	83	84	84	85	80	95
HBA 125 T6 (A7:4) (32°)	Inlet	90	87	85	84	84	85	86	81	95
HBA 125 T6 (A7:4) (30°)	Inlet	90	87	85	84	85	85	86	82	95
HBA 125 T6 (A7:4) (28°)	Inlet	92	89	87	86	87	87	88	85	97
HBA 125 T6 (A7:4) (26°)	Inlet	92	90	88	88	88	89	90	87	98
HBA 125 T6 (A7:4) (24°)	Inlet	92	91	89	90	90	90	92	90	100
HBA 125 T6 (A7:4) (22°)	Inlet	91	93	91	92	92	92	94	92	102
HBA 125 T6 (A7:4) (20°)	Inlet	88	92	90	91	92	91	93	92	101
HBA 125 T6 (A7:8) (42°)	Inlet	93	90	88	87	87	88	86	82	98
HBA 125 T6 (A7:8) (40°)	Inlet	94	91	89	87	87	88	87	83	98
HBA 125 T6 (A7:8) (38°)	Inlet	94	91	89	88	88	89	88	83	99
HBA 125 T6 (A7:8) (36°)	Inlet	94	91	89	88	88	89	88	83	99
HBA 125 T6 (A7:8) (34°)	Inlet	94	90	89	88	88	89	89	84	99
HBA 125 T6 (A7:8) (32°)	Inlet	94	89	89	88	89	91	91	86	99
HBA 125 T6 (A7:8) (30°)	Inlet	93	89	89	88	91	92	92	88	100
HBA 125 T6 (A7:8) (28°)	Inlet	94	90	89	90	92	94	94	90	102
HBA 125 T6 (A7:8) (26°)	Inlet	94	90	90	91	94	95	95	91	102
HBA 125 T6 (A7:8) (24°)	Inlet	94	91	90	92	95	96	96	92	103
HBA 125 T6 (A7:8) (22°)	Inlet	94	92	91	93	96	98	98	94	105
HBA 125 T6 (A7:8) (20°)	Inlet	94	92	91	94	98	99	98	95	106