

# CMX

## VENT-SET centrifugal extractor fans, belt-driven and fitted with a reaction impeller

Belt-driven VENT-SET centrifugal extractors with reaction impeller fitted with electric motors and a standardised set of pulleys, belts and protectors in accordance with standards EN-294 and ISO-13852.



Extremely robust, high performance reaction impeller

**Fan:**

- Sheet steel casing.
- Impeller with reaction blades made of sheet steel.
- Standardised set of pulleys, belts and protectors in accordance with standard EN-294 and ISO-13852.
- Fitted with an inspection hatch.

**Motor:**

- IE3 efficiency motors for powers equal to or greater than 0.75kW except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Multi voltage motor, special design valid for 220/380V 60Hz, 254/440V 60Hz, 265/460V 60Hz, 277/480V 60Hz.
- Maximum temperature of air to be carried: -20 °C + 150 °C.

**Finish:**

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

**On request:**

- Special windings for different voltages.

### Order code



CMX: Centrifugal, belt-driven extractor fans fitted with a reaction impeller

Impeller size

Motor power (hp)

60Hz

### Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Approx. weight (kg)
		220-277V	380-480V			
CMX-250-0.25	1920	0.96	0.55	0.18	1575	22
CMX-250-0.33	2140	1.36	0.78	0.25	1755	23
CMX-250-0.5	2435	1.84	1.06	0.37	2000	24
CMX-250-0.75	2775	2.57	1.49	0.55	2275	26
CMX-250-1	3075	2.78	1.60	0.75	2525	28
CMX-250-1.5	3490	4.20	2.40	1.10	2865	30
CMX-280-0.33	1760	1.36	0.78	0.25	2030	25
CMX-280-0.5	2010	1.84	1.06	0.37	2315	26
CMX-280-0.75	2305	2.57	1.49	0.55	2655	28
CMX-280-1	2560	2.78	1.60	0.75	2950	30
CMX-280-1.5	2910	4.20	2.40	1.10	3355	32
CMX-280-2	3225	5.44	3.13	1.50	3720	35
CMX-315-0.5	1650	1.84	1.06	0.37	2700	30
CMX-315-0.75	1880	2.57	1.49	0.55	3075	32
CMX-315-1	2095	2.78	1.60	0.75	3430	34
CMX-315-1.5	2375	4.20	2.40	1.10	3885	36
CMX-315-2	2655	5.44	3.13	1.50	4345	39
CMX-315-3	3000	7.77	4.47	2.20	4910	42
CMX-315-4	3380	10.18	5.88	3.00	5530	47
CMX-355-0.5	1385	1.84	1.06	0.37	3235	39
CMX-355-0.75	1580	2.57	1.49	0.55	3685	41
CMX-355-1	1765	2.78	1.60	0.75	4120	44
CMX-355-1.5	2010	4.20	2.40	1.10	4690	46
CMX-355-2	2225	5.44	3.13	1.50	5190	48
CMX-355-3	2530	7.77	4.47	2.20	5905	53
CMX-355-4	2860	10.18	5.88	3.00	6675	57
CMX-355-5.5	3100	13.60	7.82	4.00	7235	63
CMX-400-0.75	1320	2.28	1.31	0.55	4375	49
CMX-400-1	1465	3.10	1.79	0.75	4855	52
CMX-400-1.5	1665	4.03	2.32	1.10	5515	54
CMX-400-2	1845	5.96	3.44	1.50	6110	56
CMX-400-3	2100	8.36	4.83	2.20	6955	59
CMX-400-4	2370	10.18	5.88	3.00	7850	64
CMX-400-5.5	2610	13.60	7.82	4.00	8645	72
CMX-450-0.75	1095	2.28	1.31	0.55	5045	61

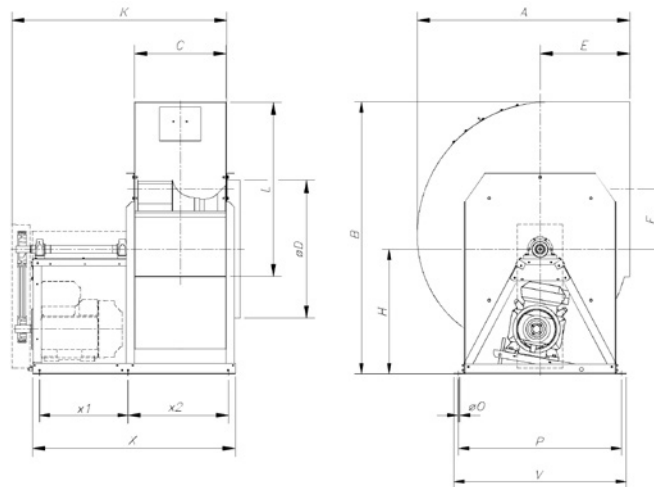
### Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Approx. weight (kg)
		220-277V	380-480V			
CMX-450-1	1220	3.10	1.79	0.75	5620	64
CMX-450-1.5	1390	4.03	2.32	1.10	6405	66
CMX-450-2	1540	5.96	3.44	1.50	7095	68
CMX-450-3	1750	8.36	4.83	2.20	8065	72
CMX-450-4	1980	10.18	5.88	3.00	9120	76
CMX-450-5.5	2180	13.60	7.82	4.00	10045	85
CMX-450-7.5	2420		10.50	5.50	11150	95
CMX-450-10	2670		14.50	7.50	12300	100
CMX-500-1	1005	3.10	1.79	0.75	6465	86
CMX-500-1.5	1140	4.03	2.32	1.10	7330	88
CMX-500-2	1270	5.96	3.44	1.50	8165	90
CMX-500-3	1445	8.36	4.83	2.20	9290	93
CMX-500-4	1635	10.96	6.33	3.00	10510	98
CMX-500-5.5	1800	14.10	8.12	4.00	11570	107
CMX-500-7.5	2000		10.50	5.50	12855	116
CMX-500-10	2220		14.50	7.50	14270	121
CMX-500-15	2300		20.20	11.00	14785	155
CMX-560-2	1035	5.96	3.44	1.50	9885	100
CMX-560-3	1185	8.36	4.83	2.20	11360	103
CMX-560-4	1340	10.96	6.33	3.00	12880	108
CMX-560-5.5	1475	14.10	8.12	4.00	14210	117
CMX-560-7.5	1640		11.60	5.50	15830	122
CMX-560-10	1815		14.50	7.50	17555	132
CMX-560-15	2065		20.20	11.00	20010	166
CMX-630-3	1010	8.36	4.83	2.20	12120	119
CMX-630-4	1140	10.96	6.33	3.00	13680	123
CMX-630-5.5	1255	14.10	8.12	4.00	15060	132
CMX-630-7.5	1395		11.60	5.50	16740	138
CMX-630-10	1550		14.50	7.50	18600	147
CMX-630-15	1760		20.20	11.00	21120	181
CMX-630-20	1900		27.50	15.00	22800	202
CMX-710-4	960	10.96	6.33	3.00	17065	186
CMX-710-5.5	1060	14.10	8.12	4.00	18845	195
CMX-710-7.5	1180		11.60	5.50	20980	200
CMX-710-10	1305		14.20	7.50	23200	210
CMX-710-15	1485		20.20	11.00	26400	244
CMX-710-20	1670		27.50	15.00	29690	265
CMX-710-25	1750		35.00	18.50	31110	285
CMX-800-4	765	10.96	6.33	3.00	19975	226
CMX-800-5.5	845	14.10	8.12	4.00	22065	234
CMX-800-7.5	940		11.60	5.50	24545	240
CMX-800-10	1040		14.50	7.50	27155	250
CMX-800-15	1185		20.20	11.00	30940	284
CMX-800-20	1330		27.50	15.00	34730	305
CMX-800-25	1420		35.00	18.50	37080	325
CMX-900-4	640	10.96	6.33	3.00	21200	281
CMX-900-5.5	705	14.10	8.12	4.00	23355	289
CMX-900-7.5	785		11.60	5.50	26005	295
CMX-900-10	870		14.50	7.50	28820	305
CMX-900-15	990		20.20	11.00	32795	339
CMX-900-20	1100		27.50	15.00	36440	360
CMX-900-25	1150		35.00	18.50	38095	380
CMX-900-30	1200		42.00	22.00	39750	399
CMX-1000-5.5	575	14.10	8.12	4.00	25555	342
CMX-1000-7.5	645		11.60	5.50	28665	348
CMX-1000-10	715		14.50	7.50	31780	358
CMX-1000-15	815		20.20	11.00	36220	392
CMX-1000-20	915		27.50	15.00	40665	413
CMX-1000-25	980		35.00	18.50	43555	432
CMX-1000-30	1040		42.00	22.00	46220	452
CMX-1000-40	1120		55.00	30.00	49780	506

### Accessories



Dimensions mm

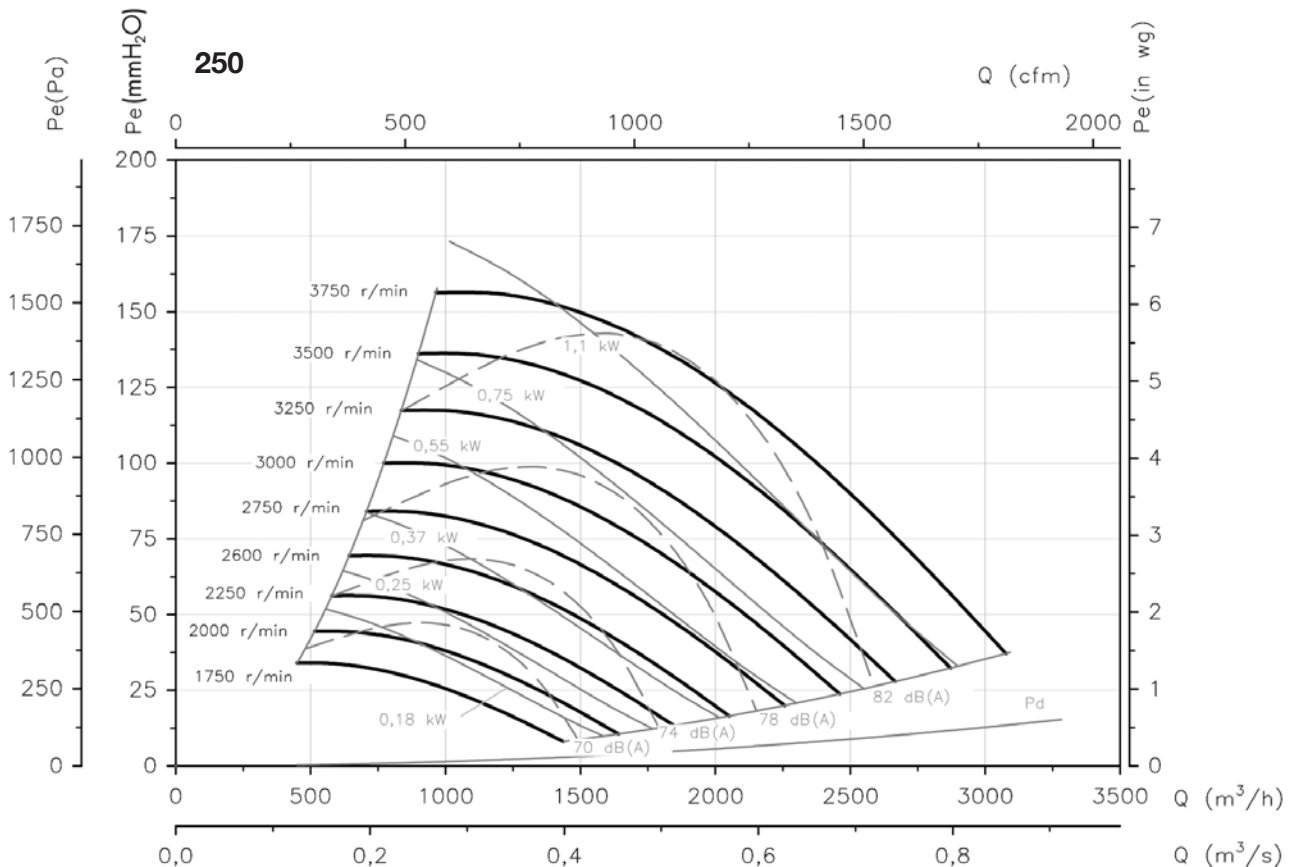


Model	A	B	C	L	øD	H	E	F	K	X	øO	P	V	x1	x2
CMX-250	437	637	180	320	248	336	209	111	582	572	10	370	410	270	242
CMX-280	468	707.5	197	361	278	376	215	121	600	590	10	410	450	270	260
CMX-315	522	741.5	223	404	313	400	236	139.5	748.5	691.5	12	454	504	315	306.5
CMX-355	582.5	839.5	247	453	353	450	261	158	772.5	715.5	12	496	546	315	330.5
CMX-400	651	933	274	507	398	500	290	179.5	799.5	742.5	12	542	592	315	357.5
CMX-450	727.5	1037	308	569	448	550	322	202.5	938.5	841.5	12	595	645	380	391.5
CMX-500	801	1140	344	638	498	600	352	221	974.5	887.5	12	654	704	380	437.5
CMX-560	892.5	1255	383	715	558	650	390	247.5	1171.5	1076.5	12	715	765	515	484
CMX-630	998.5	1449.5	432	801	628	769	434	280	1220.5	1125.5	12	780	830	515	533
CMX-710	1117	1507	479	902	708	730	481.5	316	1267.5	1172.5	14	890	930	515	580
CMX-800	1250	1615.5	533	1010	798	762	535	358.5	1321.5	1231.5	14	980	1050	515	614
CMX-900	1408	1475	595	1130	898	850	604	407	1383.5	1293.5	14	1080	1150	515	676
CMX-1000	1541	1966	663	1260	998	900	651	433	1559.5	1468.5	14	1180	1250	642	729.5

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

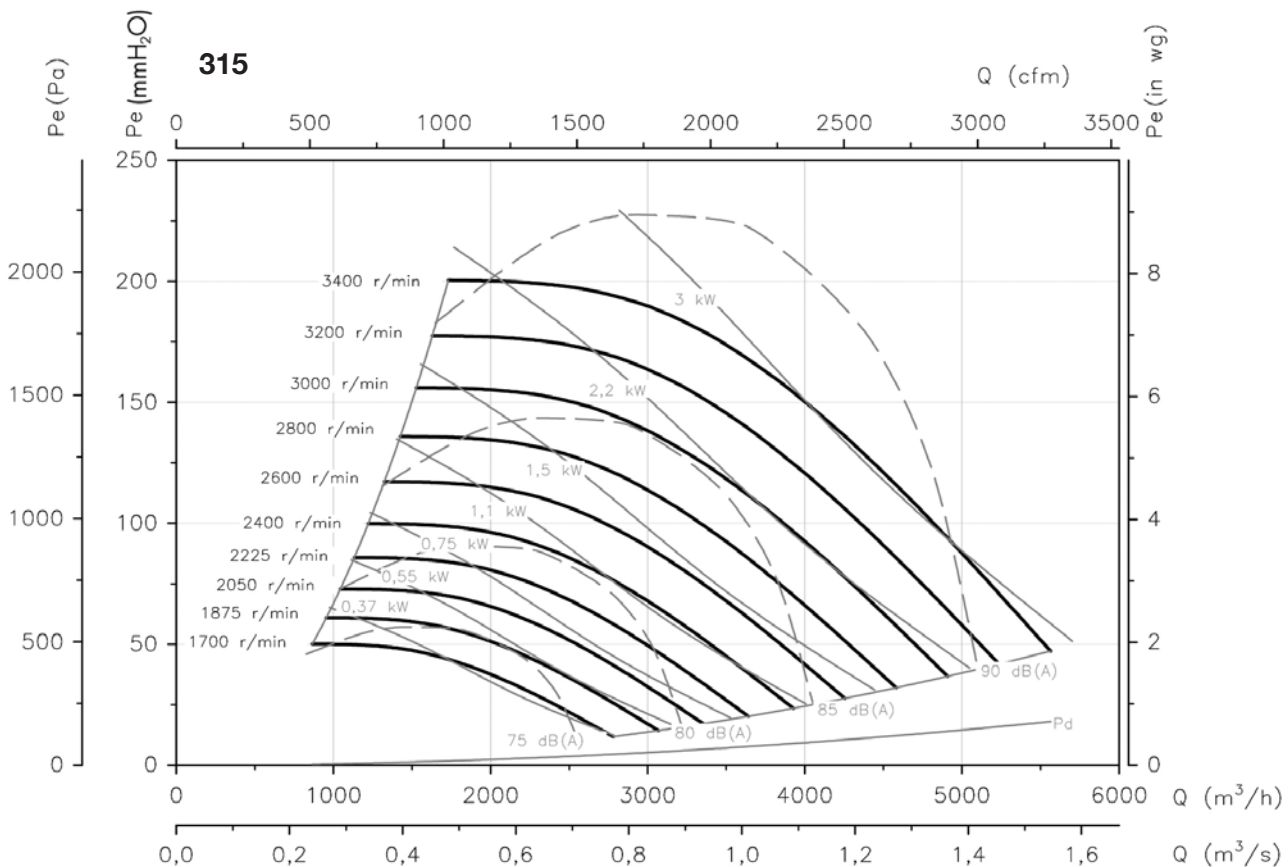
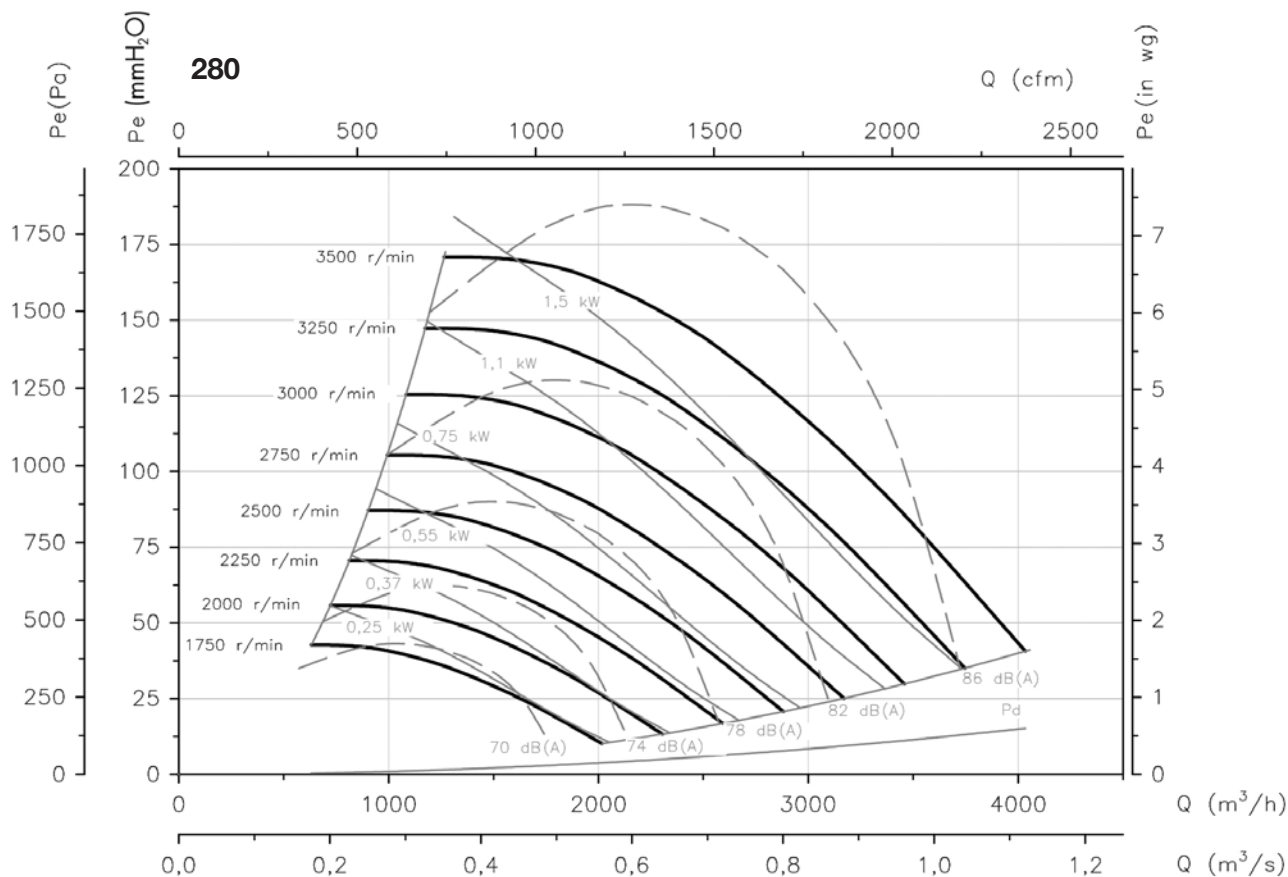
Pe= Static pressure in mm H²O, Pa and inwg.



**Characteristic curves**

Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm.

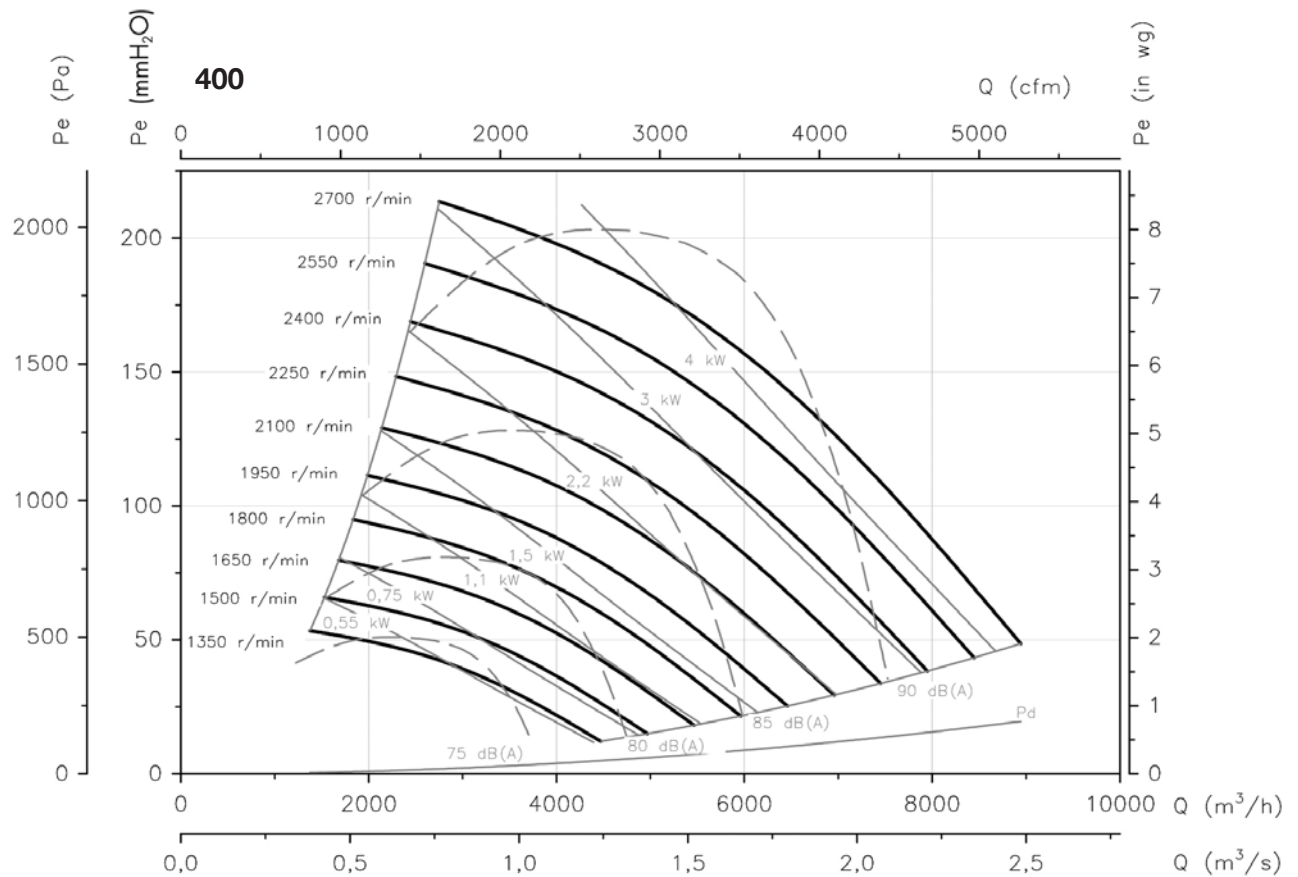
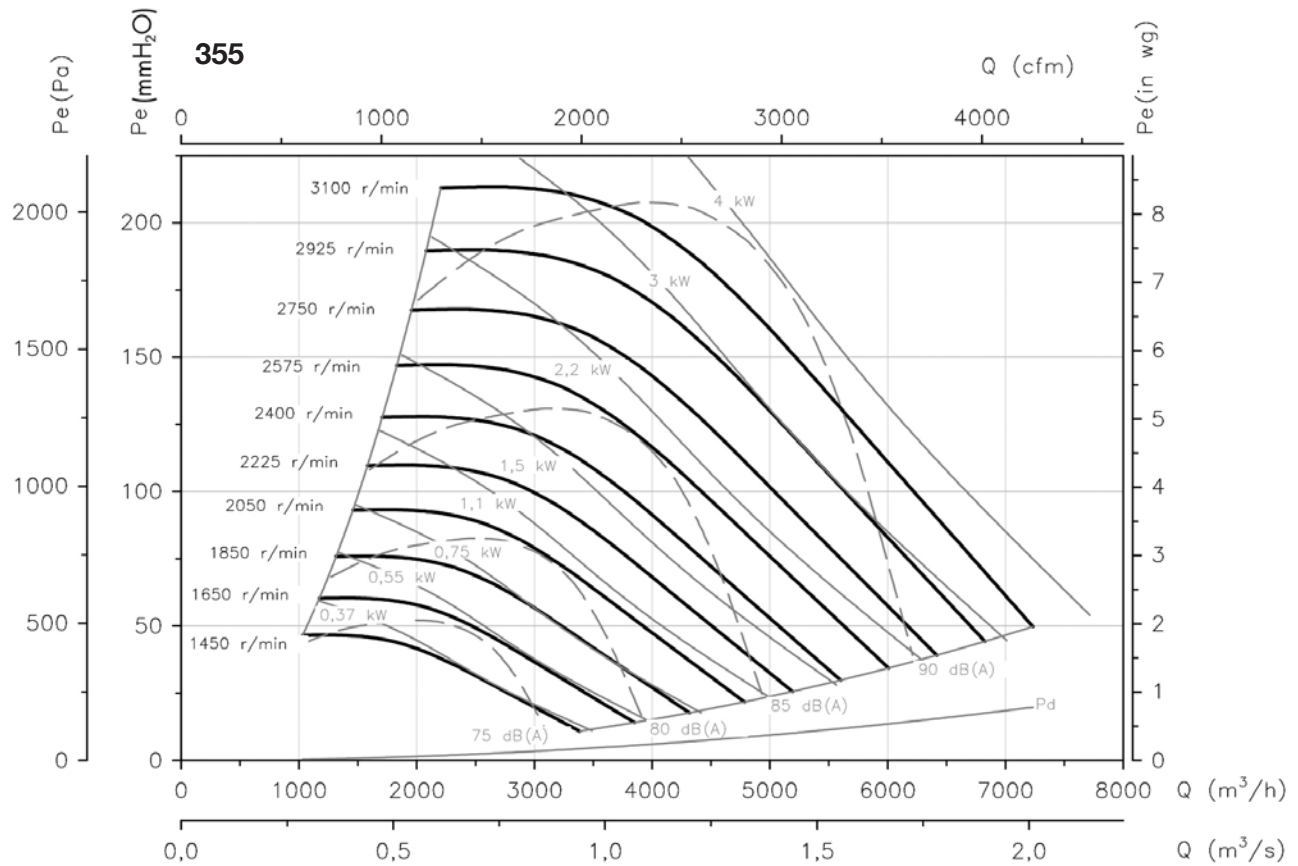
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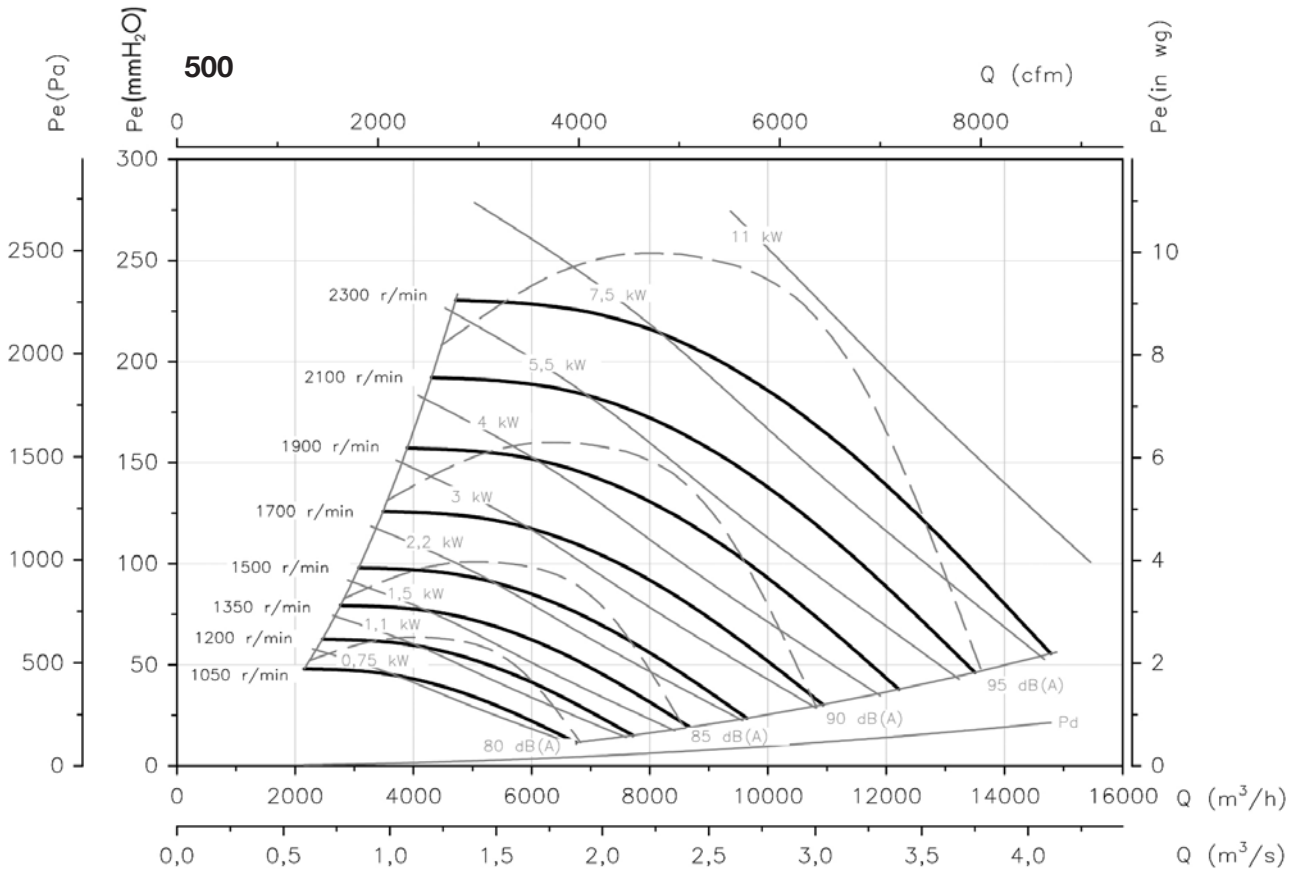
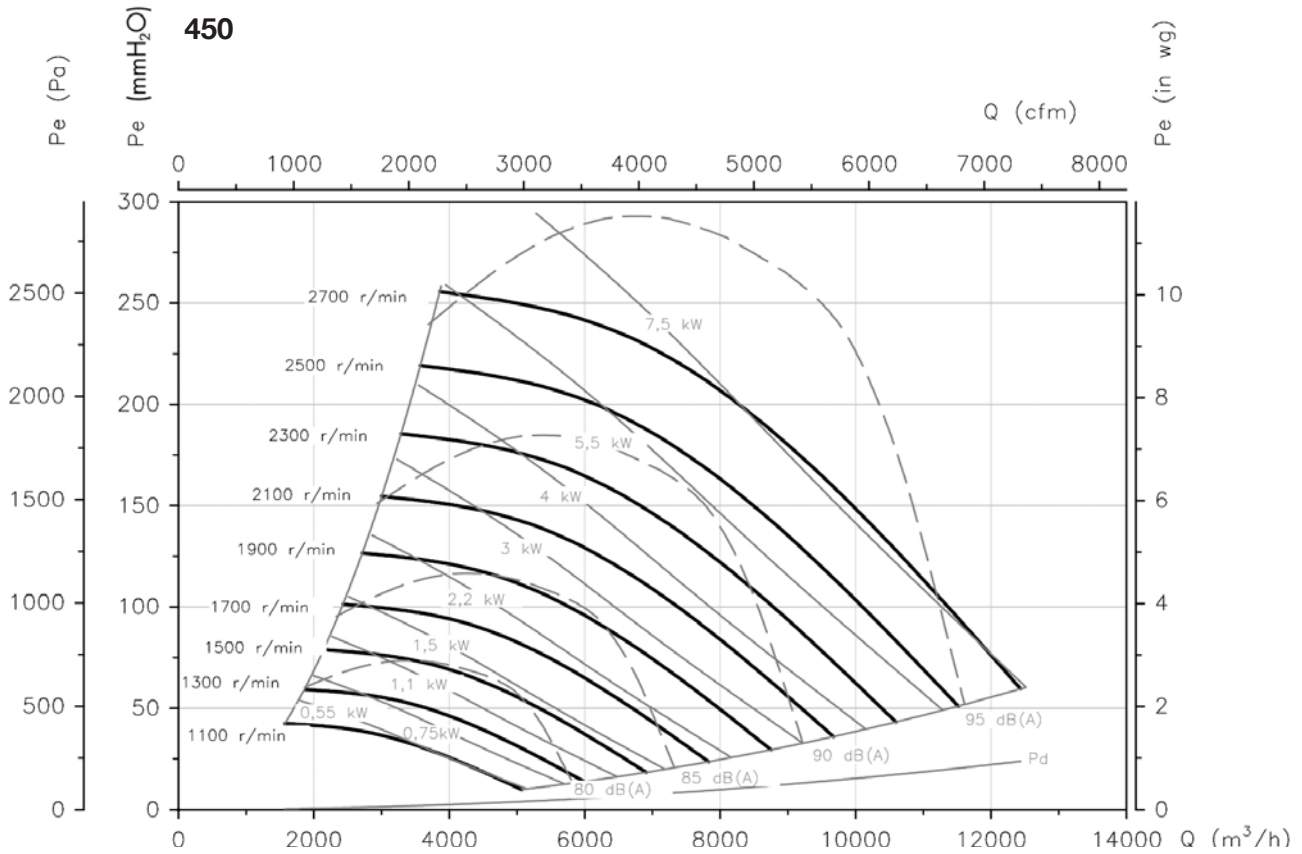
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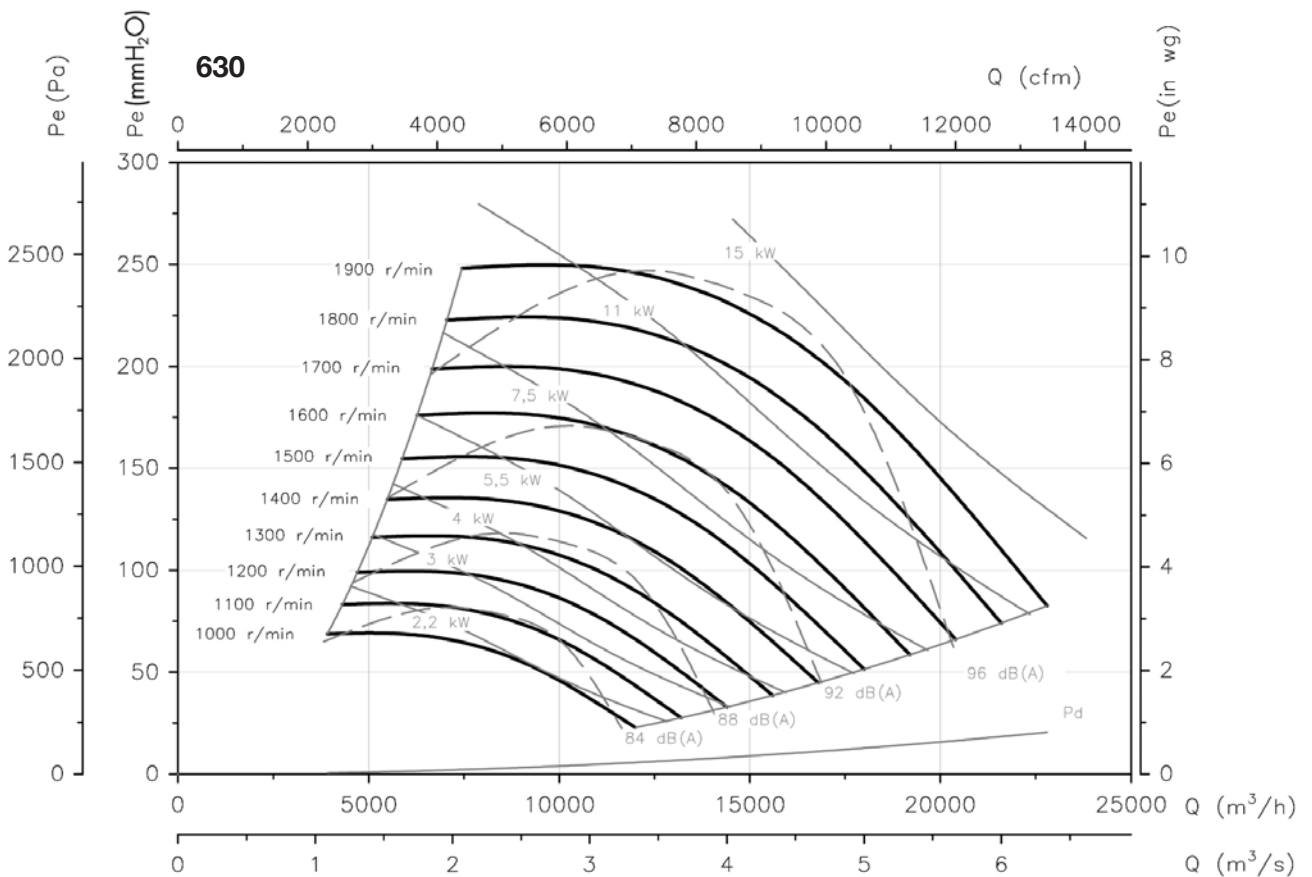
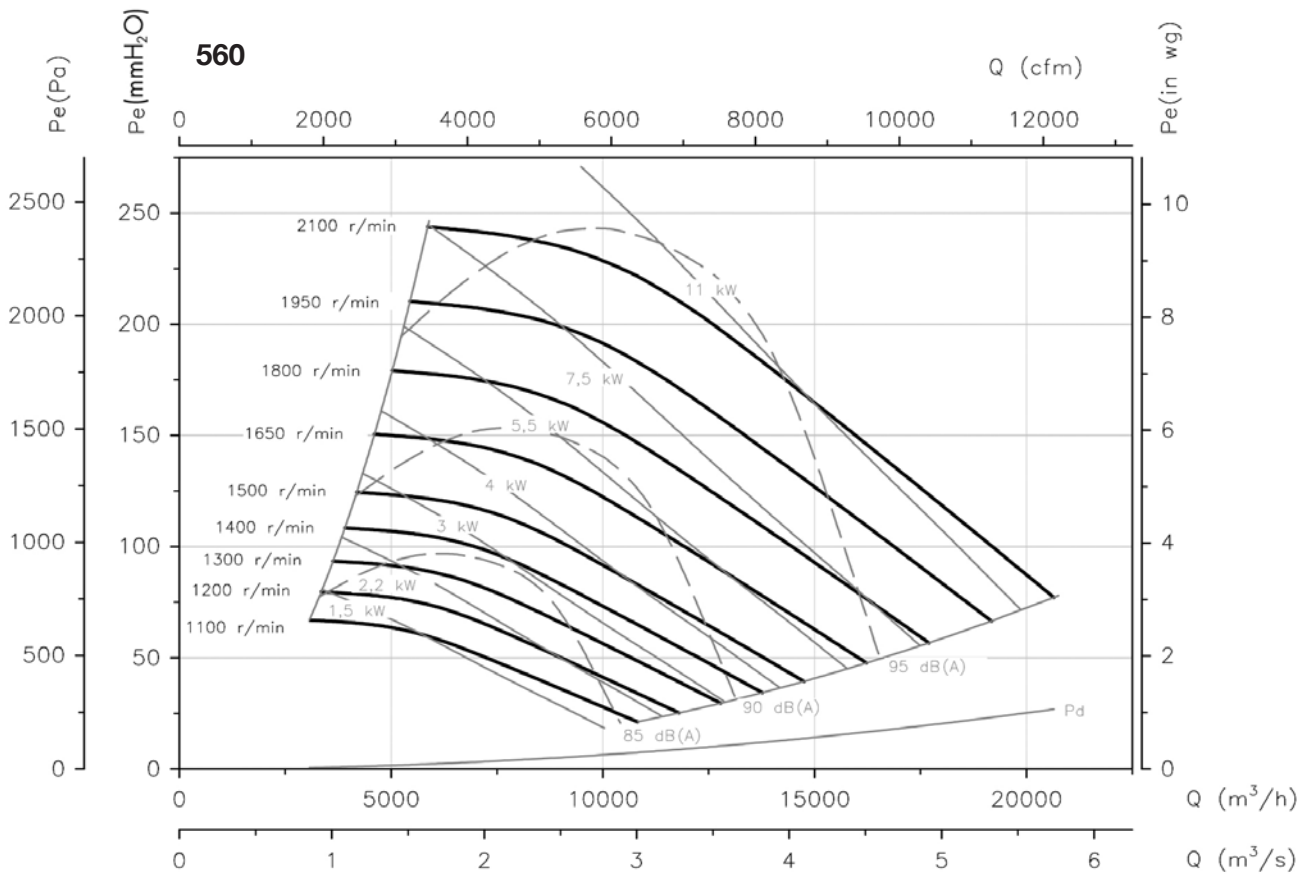




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Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm.

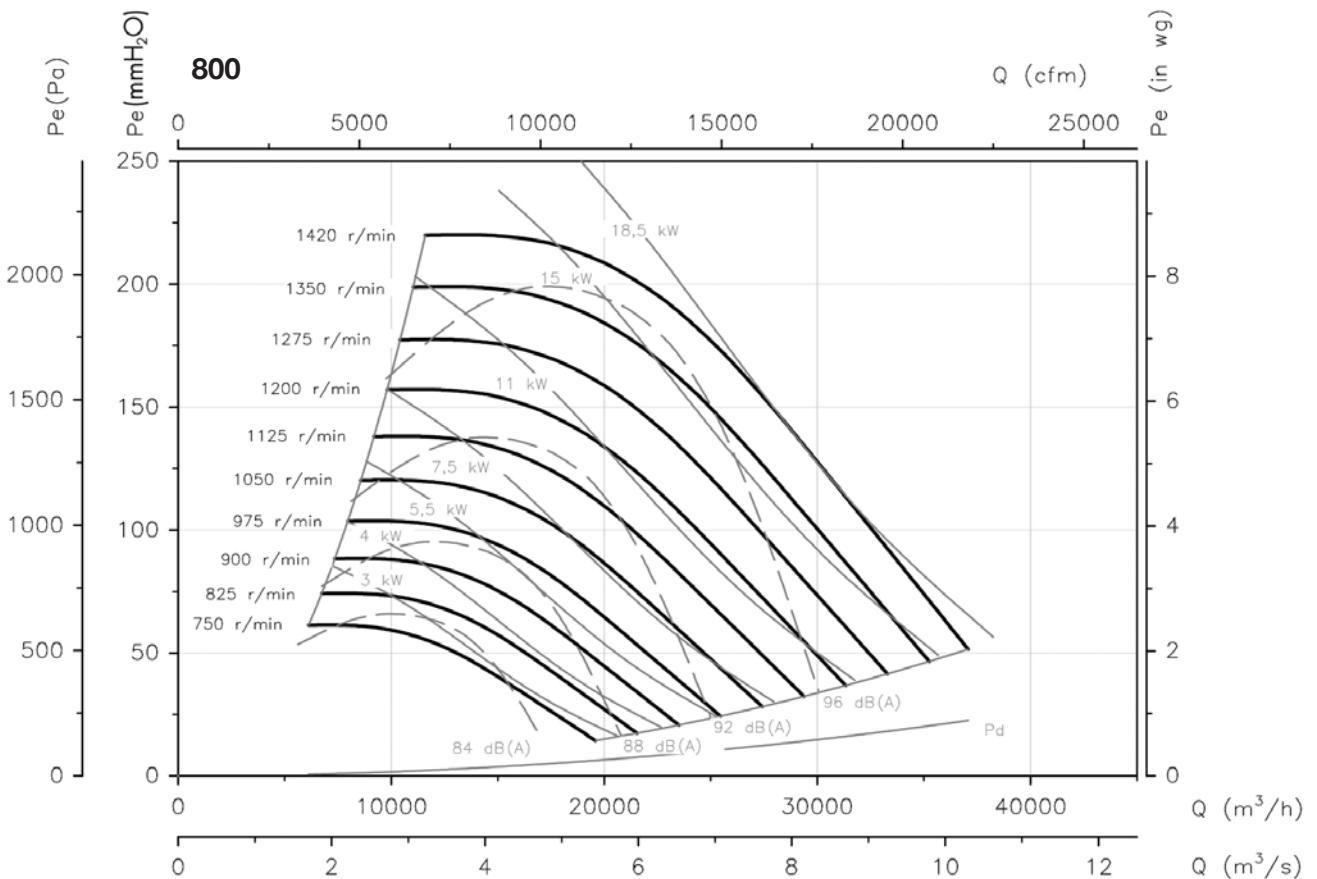
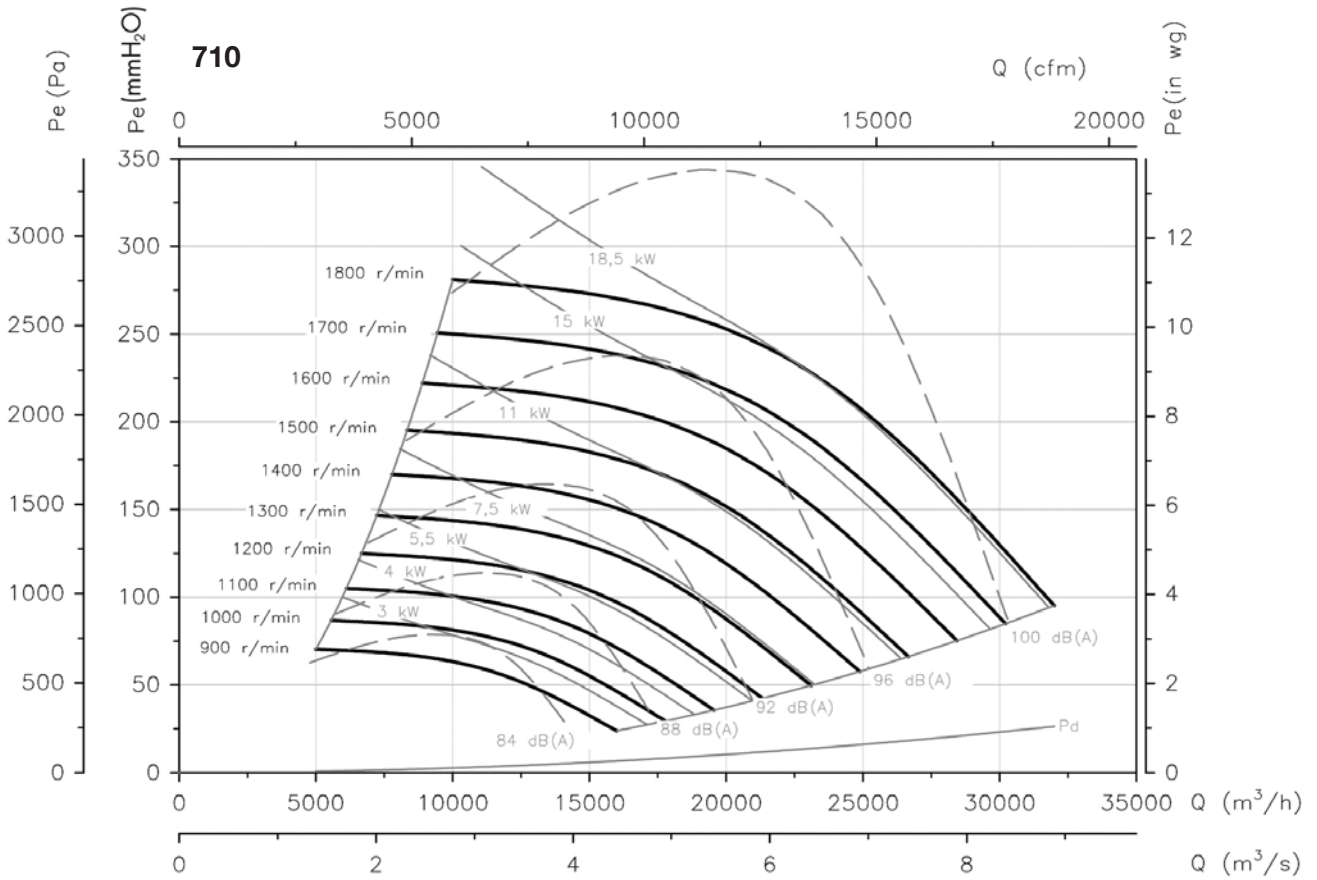
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