

CJSX



Motor outside the airflow path

400°C/2h belt-driven extraction units with single-inlet fan

400°C/2h extraction units with motor outside the airflow path to work outside fire danger zones.

Fan:

- Galvanised sheet steel structure.
- Impeller with forward-facing blades made from galvanised sheet steel
- Approval according to Standard EN 12101-3:2002/AC:2006, with certification No: 0370-CPR-0503

Motor:

- Class F insulation, IP55
- Three-phase 230/400V.-50Hz. (up to 5.5HP) and 400/690V.-50Hz. (power over 5.5HP)
- Max. air temperature to transport: S1 Service -20°C +120°C for ongoing use, S2 Service 300°C/2h and 400°C/2h

Finish:

- Anti-corrosive galvanised sheet steel.

On request:

- Fans with two-speed motor.
- Fans with vertical outlet

Order code

CJSX — 22/11 — 3 — F-400

400°C/2h centrifugal fans with forward-facing impeller.

Impeller size

Motor power (HP)

F-400: Officially approved 400°C/2h

For Service S2: 300°C/2h and 400°C/2h

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V (A)	690V				
CJSX-12/6-0.75	1000	2.28	1.31		0.55	2600	69	73
CJSX-12/6-1	1100	3.10	1.79		0.75	3100	71	74
CJSX-12/6-1.5	1250	4.03	2.32		1.10	3500	74	77
CJSX-12/6-2	1300	5.96	3.44		1.50	4250	77	80
CJSX-12/6-3	1500	8.36	4.83		2.20	4800	79	85
CJSX-15/7-1	800	3.10	1.79		0.75	4000	67	92
CJSX-15/7-1.5	850	4.03	2.32		1.10	4800	69	95
CJSX-15/7-2	920	5.96	3.44		1.50	5400	72	98
CJSX-15/7-3	1000	8.36	4.83		2.20	6400	75	103
CJSX-15/7-4	1050	10.96	6.33		3.00	7400	77	106
CJSX-18/9-1.5	750	4.03	2.32		1.10	5800	68	111
CJSX-18/9-2	790	5.96	3.44		1.50	6600	70	114
CJSX-18/9-3	800	8.36	4.83		2.20	8200	74	119
CJSX-18/9-4	850	10.96	6.33		3.00	9000	76	122
CJSX-18/9-5.5	920	14.10	8.12		4.00	10500	78	125
CJSX-20/10-2	650	5.96	3.44		1.50	8100	65	203
CJSX-20/10-3	690	8.36	4.83		2.20	10100	68	208
CJSX-20/10-4	750	10.96	6.33		3.00	11500	70	211
CJSX-20/10-5.5	790	14.10	8.12		4.00	13100	73	214

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Power installed (kW)	Airflow maximum (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V (A)	690V				
CJSX-20/10-7.5	850		11.60	6.72	5.50	15000	75	227
CJSX-22/11-3	580	8.36	4.83		2.20	11200	67	219
CJSX-22/11-4	610	10.96	6.33		3.00	13000	70	222
CJSX-22/11-5.5	650	14.10	8.12		4.00	15000	72	225
CJSX-22/11-7.5	690		11.60	6.72	5.50	17000	74	238
CJSX-22/11-10	750		14.20	8.20	7.50	19000	76	246
CJSX-22/11-15	830		20.20	11.60	11.00	22000	79	273
CJSX-22/11-20	910		27.50	15.90	15.00	24500	81	292
CJSX-22/11-25	1000		35.00	20.00	18.50	26000	83	322
CJSX-25/13-4	520	10.96	6.33		3.00	14000	62	254
CJSX-25/13-5.5	550	14.10	8.12		4.00	17000	65	257
CJSX-25/13-7.5	590		11.60	6.72	5.50	19500	67	270
CJSX-25/13-10	620		14.20	8.20	7.50	23000	70	278
CJSX-25/13-15	690		20.20	11.60	11.00	26500	74	305
CJSX-25/13-20	750		27.50	15.90	15.00	29500	75	324
CJSX-25/13-25	810		35.00	20.00	18.50	32000	77	354
CJSX-30/14-5.5	400	14.10	8.12		4.00	21000	69	331
CJSX-30/14-7.5	425		11.60	6.72	5.50	24000	72	344
CJSX-30/14-10	460		14.20	8.20	7.50	27500	74	352
CJSX-30/14-15	500		20.20	11.60	11.00	33000	77	379
CJSX-30/14-20	550		27.50	15.90	15.00	36500	78	398
CJSX-30/14-25	600		35.00	20.00	18.50	38000	81	428



Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ne[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Input power
T	Total	[m³/h]	Airflow
VSD	Variable-speed drive	[mmH₂O]	Static or total pressure (According to EC)
SR	Specific ratio	[RPM]	Speed

Model	MC	EC	VSD	SR	ne[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
CJSX-12/6-0.75	C	S	NO	1.00	36.0%	44.7	0.423	1532	36.46	1000
CJSX-12/6-1	C	S	NO	1.00	40.4%	48.6	0.502	1685	44.12	1100
CJSX-12/6-1.5	C	S	NO	1.01	41.6%	48.9	0.715	1915	56.97	1250
CJSX-12/6-2	C	S	NO	1.01	42.0%	49.0	0.796	1992	61.62	1300
CJSX-12/6-3	C	S	NO	1.01	42.8%	48.6	1.201	2298	82.04	1500
CJSX-15/7-1	C	S	NO	1.00	45.9%	54.7	0.403	2011	33.76	800
CJSX-15/7-1.5	C	S	NO	1.00	47.3%	55.7	0.469	2137	38.11	850
CJSX-15/7-2	C	S	NO	1.00	47.8%	55.5	0.589	2313	44.64	920
CJSX-15/7-3	C	S	NO	1.01	48.6%	55.8	0.743	2514	52.74	1000
CJSX-15/7-4	C	S	NO	1.01	49.3%	56.1	0.848	2639	58.15	1050
CJSX-18/9-1.5	C	S	NO	1.00	56.0%	63.6	0.622	2983	42.82	750
CJSX-18/9-2	C	S	NO	1.00	56.5%	63.8	0.720	3143	47.51	790
CJSX-18/9-3	C	S	NO	1.00	57.6%	64.7	0.734	3182	48.72	800
CJSX-18/9-4	C	S	NO	1.01	58.4%	65.1	0.868	3381	55.00	850
CJSX-18/9-5.5	C	S	NO	1.01	59.4%	65.5	1.082	3660	64.44	920
CJSX-20/10-2	C	S	NO	1.00	58.5%	66.0	0.647	3584	38.75	650
CJSX-20/10-3	C	S	NO	1.00	59.5%	66.6	0.761	3804	43.67	690
CJSX-20/10-4	C	S	NO	1.01	60.4%	66.8	0.963	4135	51.59	750
CJSX-20/10-5.5	C	S	NO	1.01	61.4%	67.5	1.106	4356	57.24	790
CJSX-20/10-7.5	C	S	NO	1.01	62.2%	67.7	1.360	4686	66.27	850
CJSX-22/11-3	C	S	NO	1.00	49.8%	55.0	1.471	6976	38.50	580
CJSX-22/11-4	C	S	NO	1.00	50.6%	55.5	1.684	7337	42.59	610
CJSX-22/11-5.5	C	S	NO	1.01	51.6%	56.1	1.996	7818	48.36	650
CJSX-22/11-7.5	C	S	NO	1.01	52.4%	56.4	2.352	8299	54.49	690
CJSX-22/11-10	C	S	NO	1.01	53.1%	56.5	2.980	9021	64.38	750
CJSX-22/11-15	C	S	NO	1.01	54.3%	56.8	3.952	9983	78.85	830
CJSX-22/11-20	C	S	NO	1.01	55.4%	57.2	5.105	10946	94.78	910
CJSX-22/11-25	C	S	NO	1.01	55.3%	56.4	6.785	12028	114.46	1000
CJSX-25/13-4	C	S	NO	1.00	47.2%	52.3	1.546	6778	39.51	520
CJSX-25/13-5.5	C	S	NO	1.00	48.2%	52.9	1.793	7169	44.20	550
CJSX-25/13-7.5	C	S	NO	1.01	48.9%	53.1	2.181	7691	50.87	590
CJSX-25/13-10	C	S	NO	1.01	49.4%	53.2	2.503	8082	56.17	620
CJSX-25/13-15	C	S	NO	1.01	50.5%	53.5	3.379	8994	69.57	690

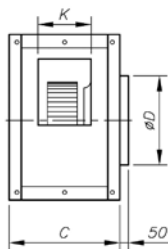
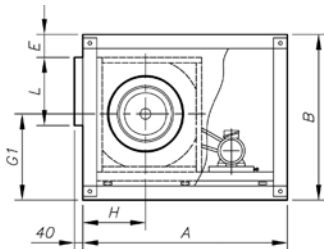


Erp. BEP (best efficiency point) characteristics

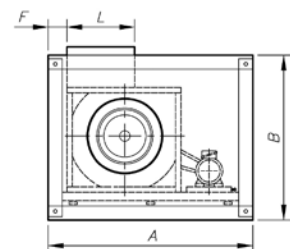
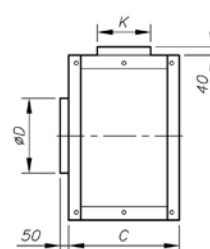
Model	MC	EC	VSD	SR	η_e [%]	N	(kW)	(m ³ /h)	(mmH ₂ O)	(RPM)
CJSX-25/13-20	C	S	NO	1.01	51.3%	53.7	4.264	9776	82.20	750
CJSX-25/13-25	C	S	NO	1.01	51.5%	53.3	5.354	10558	95.87	810
CJSX-30/14-5.5	C	S	NO	1.00	50.3%	54.5	2.235	11535	35.79	400
CJSX-30/14-7.5	C	S	NO	1.00	51.1%	54.8	2.640	12256	40.40	425
CJSX-30/14-10	C	S	NO	1.01	51.8%	54.9	3.300	13265	47.33	460
CJSX-30/14-15	C	S	NO	1.01	52.9%	55.3	4.152	14419	55.91	500
CJSX-30/14-20	C	S	NO	1.01	54.0%	55.7	5.410	15861	67.66	550
CJSX-30/14-25	C	S	NO	1.01	53.8%	54.8	7.056	17303	80.52	600

Dimensions in mm

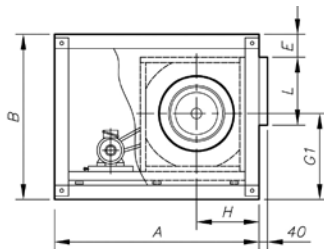
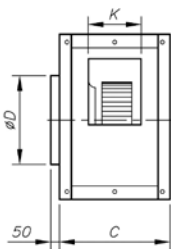
Standard supply horizontal outlet (H) RD-90



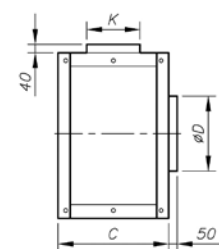
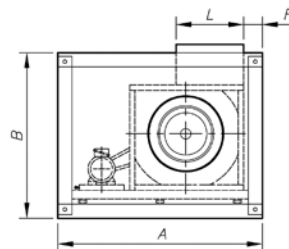
Supply on demand vertical outlet (V) RD-90



Supply on demand horizontal outlet (H) LG-90



Supply on demand vertical outlet (V) LG-90

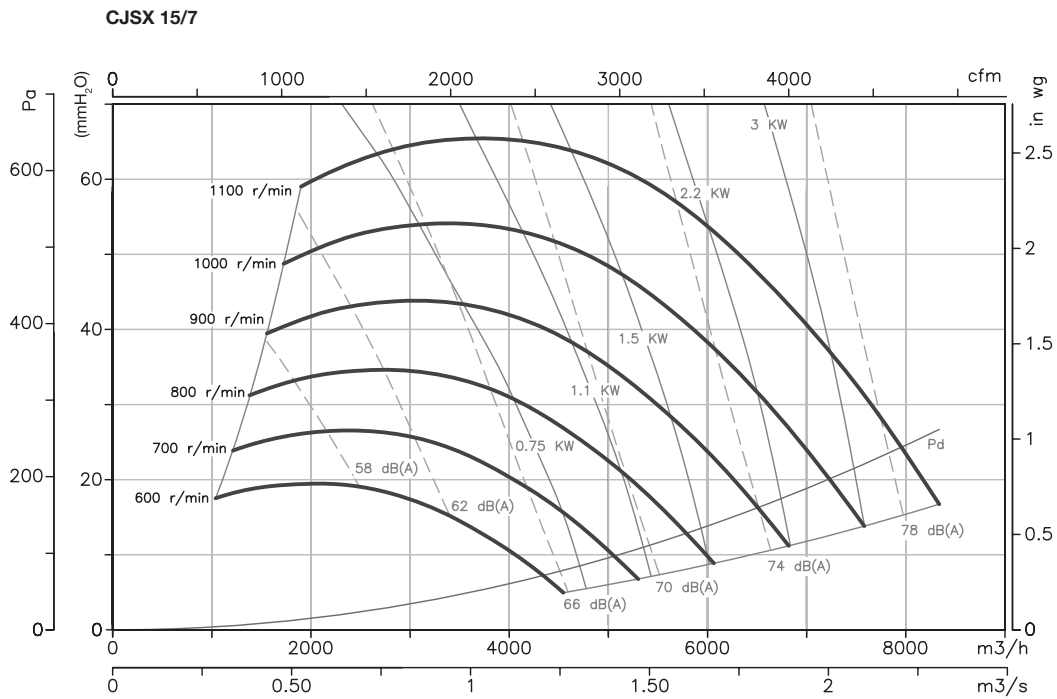
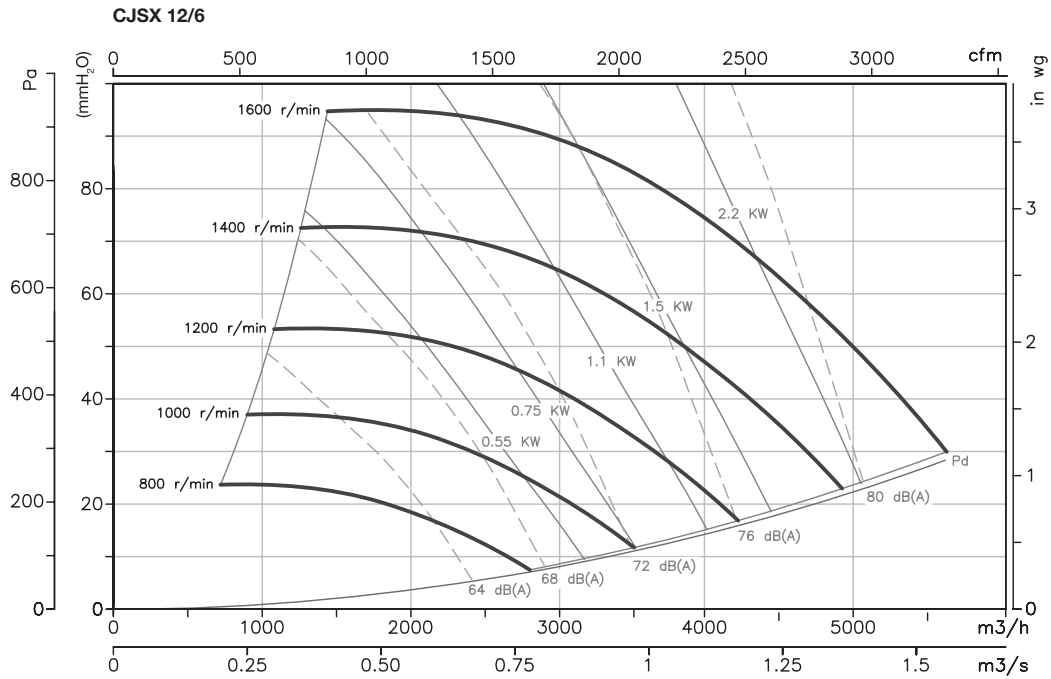


Modelo	A	B	C	ØD	E	E	F	G1	G1	H	L	L	K
CJSX-12/6-H	850	650	540	330	74	-	-	288	-	288	346	-	210
CJSX-12/6-V	850	650	540	330	-	-	30	318	-	328	346	-	210
CJSX-15/7-H	1000	755	600	400	74	-	-	328	-	328	411	-	270
CJSX-15/7-V	1000	755	600	400	-	-	30	378	-	383	411	-	270
CJSX-18/9-H	1200	875	620	480	74	-	-	383	-	388	491	-	305
CJSX-18/9-V	1200	875	620	480	-	-	30	433	-	448	491	-	305
CJSX-20/10-H	1485	1175	730	565	175	120	-	475	530	440	613	605	343
CJSX-20/10-V	1485	1175	730	565	-	-	75	535	-	585	613	-	343
CJSX-22/11-H	1570	1250	760	615	165	110	-	510	565	470	708	700	373
CJSX-22/11-V	1570	1250	760	615	-	-	75	570	-	640	708	-	373
CJSX-25/13-H	1610	1375	820	685	175	120	-	550	605	495	803	795	423
CJSX-25/13-V	1610	1375	820	685	-	-	75	625	-	705	803	-	423
CJSX-30/14-H	1845	1600	855	820	160	95	-	655	710	580	943	935	488
CJSX-30/14-V	1845	1600	855	820	-	-	75	760	-	825	943	-	488

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

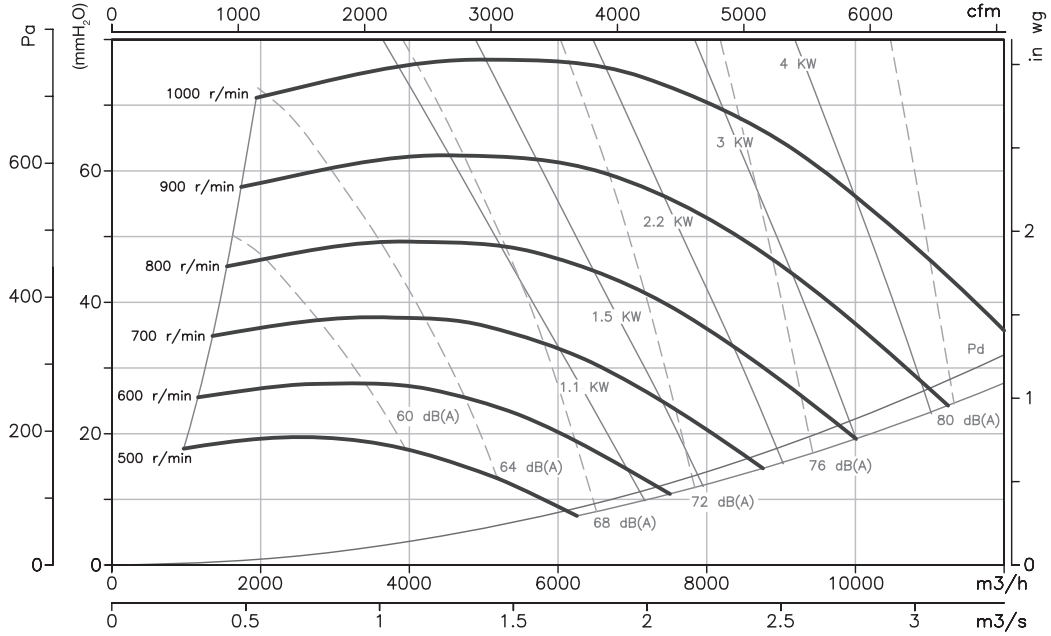


Characteristic curves

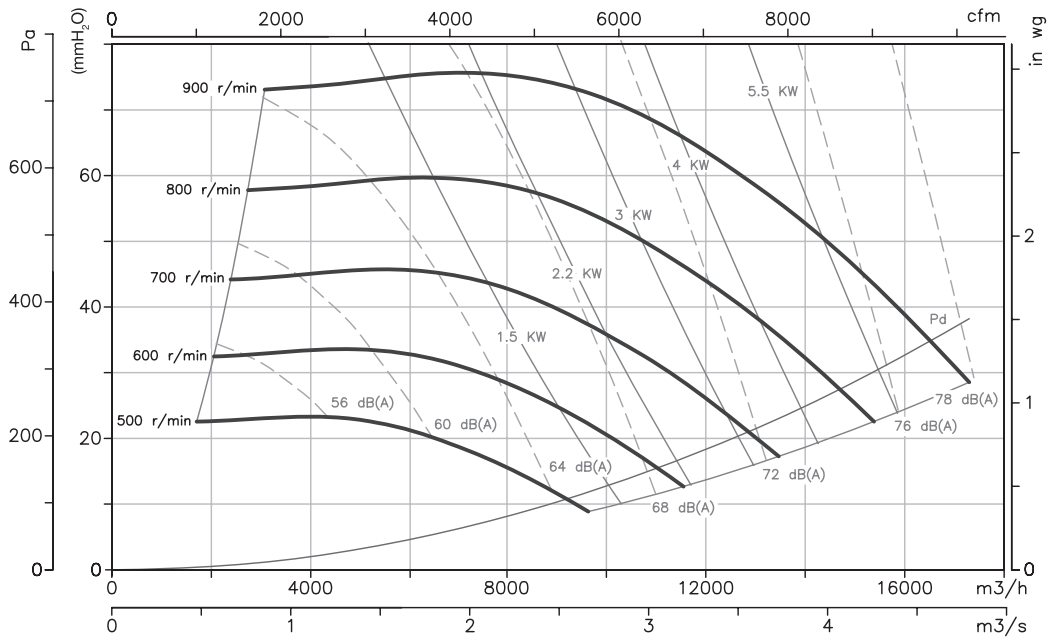
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mmH₂O, Pa and inwg.

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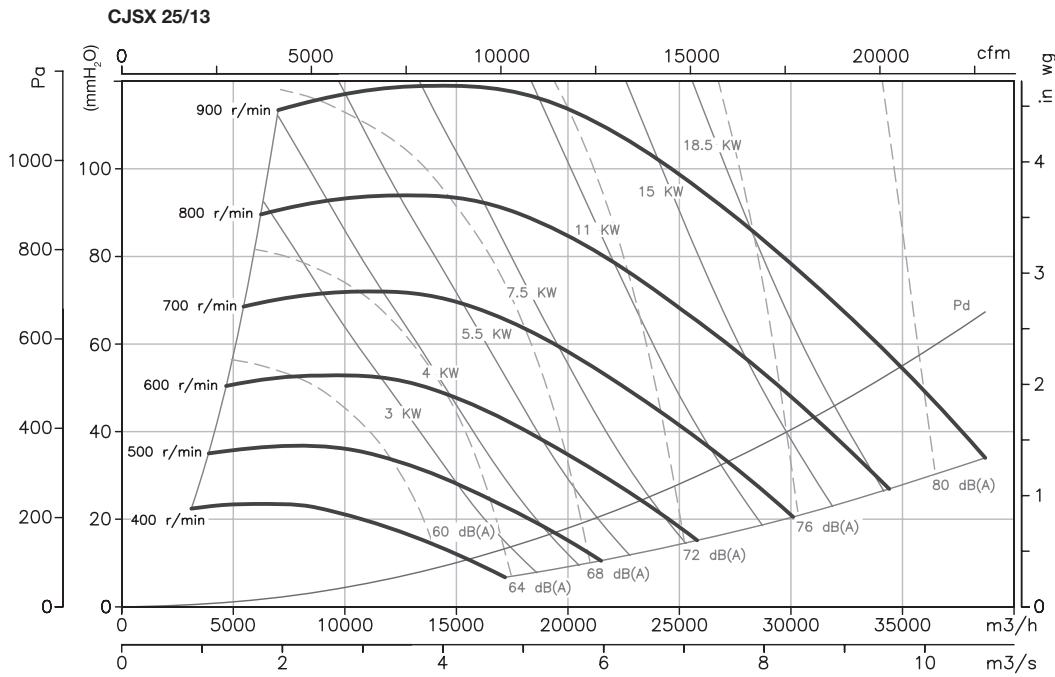
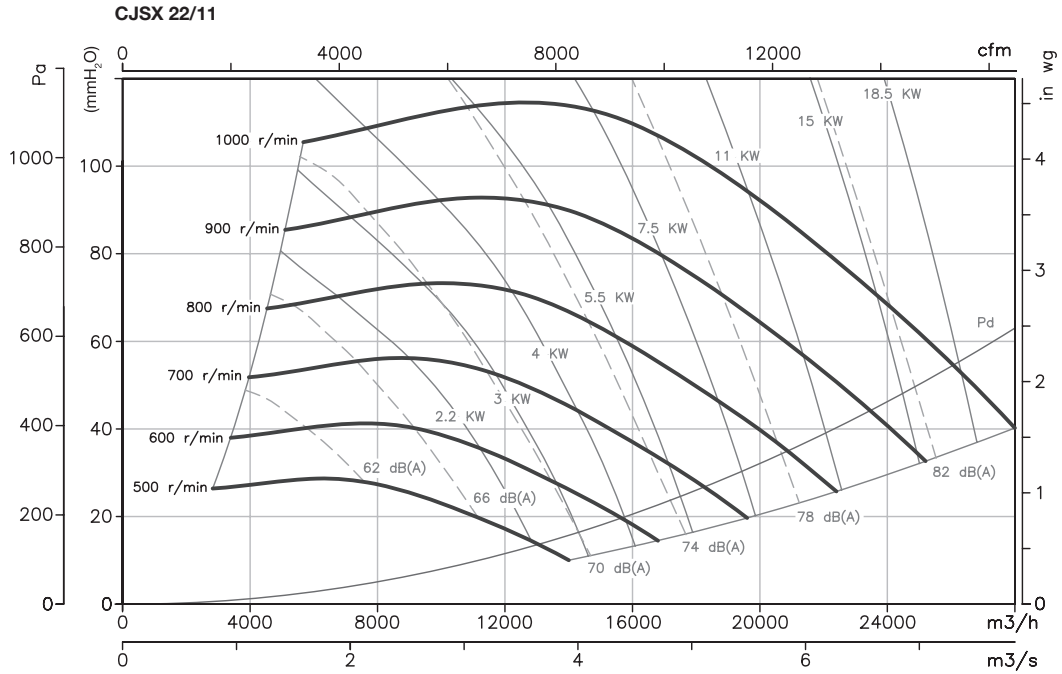
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Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

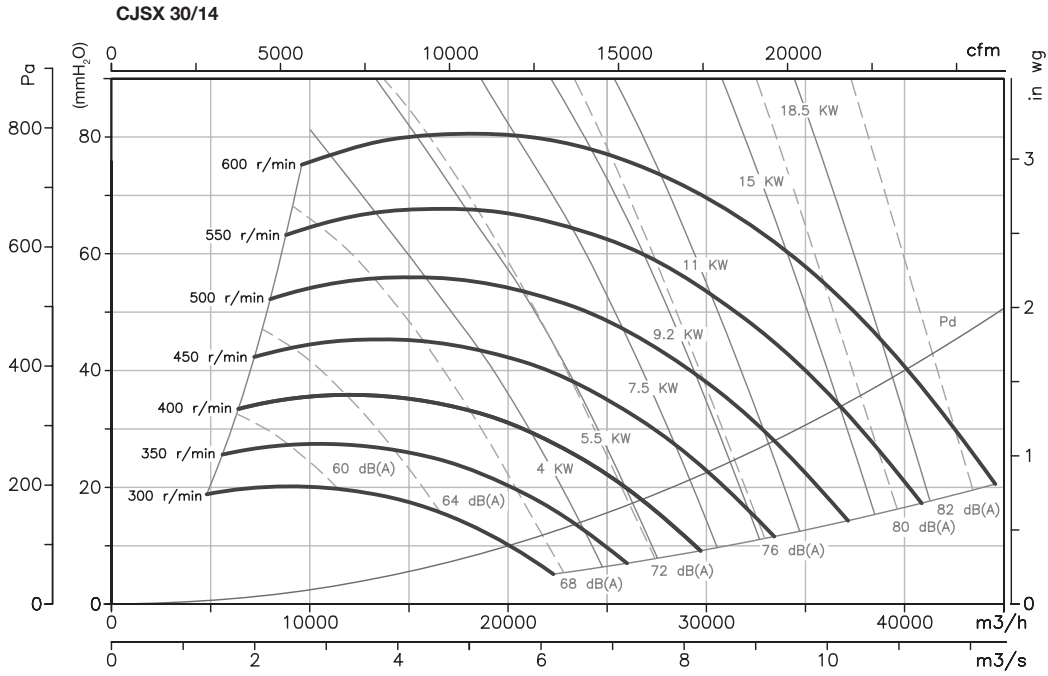
Pe= Static pressure in mmH₂O, Pa and inwg.



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.



Accessories

See accessories section

