CJDXR

Belt driven ventilation units in Magnelis sheet steel with maximum corrosion resistance according to ISO 12944

Magnelis®
An ArcelorMittal product
ArcelorMittal

Fan:
- Category C5 anti-corrosive Magnelis sheet steel structure with thermal and acoustic insulation.
- Backward curved impeller made of painted sheet steel.
- Glands for cable entry.

Motor:
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -25 ºC +50 ºC.

Finish:
- Magnelis steel sheet.

On request:
- Different outlet positions.
- Circular outlet.
- ATEX certification.

Order code

CJDXR — 450 — 5.5

- CJDXR: Belt driven ventilation units in Magnelis sheet steel with maximum corrosion resistance according to ISO 12944
- Impeller size mm
- Motor power (HP)

Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power max.	Maximum flow rate	Sound pressure level[1] dB(A)	Working temperature		Approx. weight	Mounting type
	(r/min)	230V	400V	690V	(kW)	(m^3/h)	Inlet	min.	max.	(Kg)	
CJDXR-200-0.33	2520	1,29	0,75		0,25	2040	63	-25	50	31	A
CJDXR-200-0.5	2870	1,56	0,90		0,37	2250	66	-25	50	33	A
CJDXR-200-0.75	3280	2,57	1,49		0,55	2500	68	-25	50	35	A
CJDXR-200-1 IE3	3640	2,80	1,62		0,75	2800	71	-25	50	38	A
CJDXR-200-1.5 IE3	4135	4,03	2,34		1,10	3150	73	-25	50	45	A
CJDXR-200-2 IE3	4590	5,34	3,07		1,50	3550	76	-25	50	49	A
CJDXR-200-3 IE3	4900	7,32	4,21		2,20	3950	77	-25	50	54	A
CJDXR-250-0.33	1760	1,66	0,96		0,25	2490	61	-25	50	39	A
CJDXR-250-0.5	2005	2,02	1,17		0,37	2750	64	-25	50	47	A
CJDXR-250-0.75	2285	2,57	1,49		0,55	3100	67	-25	50	48	A
CJDXR-250-1 IE3	2535	2,80	1,62		0,75	3450	69	-25	50	50	A
CJDXR-250-1.5 IE3	2885	4,03	2,34		1,10	3900	72	-25	50	53	A
CJDXR-250-2 IE3	3200	5,34	3,07		1,50	4300	74	-25	50	57	A
CJDXR-250-3 IE3	3645	7,32	4,21		2,20	4950	77	-25	50	62	A
CJDXR-250-4 IE3	4055	10,00	5,77		3,00	5550	79	-25	50	70	A
CJDXR-315-0.75	1535	2,17	1,25		0,55	5500	79	-25	50	68	B
CJDXR-315-1 IE3	1700	2,82	1,62		0,75	6000	81	-25	50	70	B
CJDXR-315-1.5 IE3	1930	4,07	2,34		1,10	6750	83	-25	50	72	B
CJDXR-315-2 IE3	2145	5,41	3,11		1,50	7650	86	-25	50	75	B
CJDXR-315-3 IE3	2445	7,32	4,21		2,20	8600	89	-25	50	80	B
CJDXR-315-4 IE3	2720	10,00	5,77		3,00	9650	91	-25	50	89	B

Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power max.	Maximum flow rate	Sound pressure level[1] dB(A)	Working temperature		Approx. weight	Mounting type
	(r/min)	230V	400V	690V	(kW)	(m^3/h)	Inlet	min.	max.	(Kg)	
CJDXR-315-5.5 IE3	3000	13,00	7,50		4,00	10600	93	-25	50	104	B
CJDXR-315-7.5 IE3	3200		10,10	5,86	5,50	11870	95	-25	50	128	B
CJDXR-355-0.75	1285	2,17	1,25		0,55	6400	68	-25	50	77	B
CJDXR-355-1 IE3	1425	2,82	1,62		0,75	7100	70	-25	50	82	B
CJDXR-355-1.5 IE3	1615	4,07	2,34		1,10	8060	73	-25	50	92	B
CJDXR-355-2 IE3	1795	5,41	3,11		1,50	8890	75	-25	50	96	B
CJDXR-355-3 IE3	2045	7,93	4,56		2,20	10100	78	-25	50	105	B
CJDXR-355-4 IE3	2285	10,00	5,77		3,00	11395	81	-25	50	111	B
CJDXR-355-5.5 IE3	2520	13,00	7,50		4,00	12545	83	-25	50	123	B
CJDXR-355-7.5 IE3	2800		10,10	5,86	5,50	13955	85	-25	50	148	B
CJDXR-400-1.5 IE3	1330	4,07	2,34		1,10	9350	70	-25	50	101	B
CJDXR-400-2 IE3	1475	5,41	3,11		1,50	10260	73	-25	50	105	B
CJDXR-400-3 IE3	1680	7,93	4,56		2,20	11650	75	-25	50	114	B
CJDXR-400-4 IE3	1870	10,70	6,15		3,00	13110	78	-25	50	120	B
CJDXR-400-5.5 IE3	2065	13,90	8,00		4,00	14430	80	-25	50	132	B
CJDXR-400-7.5 IE3	2305		10,10	5,86	5,50	16040	82	-25	50	157	B
CJDXR-400-10 IE3	2390		14,10	8,17	7,50	17250	83	-25	50	166	B
CJDXR-450-1.5 IE3	1105	4,07	2,34		1,10	10750	74	-25	50	120	B
CJDXR-450-2 IE3	1225	5,41	3,11		1,50	11960	76	-25	50	123	B
CJDXR-450-3 IE3	1400	7,93	4,56		2,20	13600	79	-25	50	132	B
CJDXR-450-4 IE3	1555	10,70	6,15		3,00	15100	81	-25	50	138	B
CJDXR-450-5.5 IE3	1720	13,90	8,00		4,00	16835	83	-25	50	150	B
CJDXR-450-7.5 IE3	1915		10,30	5,97	5,50	18500	86	-25	50	176	B
CJDXR-450-10 IE3	2125		13,90	8,06	7,50	20760	88	-25	50	185	B
CJDXR-450-15 IE3	2190		20,90	12,10	11,00	21890	89	-25	50	236	B
CJDXR-500-1.5 IE3	910	4,07	2,34		1,10	12460	71	-25	50	140	B
CJDXR-500-2 IE3	1015	5,41	3,11		1,50	13815	73	-25	50	143	B
CJDXR-500-3 IE3	1155	7,93	4,56		2,20	15700	76	-25	50	152	B
CJDXR-500-4 IE3	1285	10,70	6,15		3,00	17650	79	-25	50	158	B
CJDXR-500-5.5 IE3	1415	13,90	8,00		4,00	19430	81	-25	50	170	B
CJDXR-500-7.5 IE3	1580		10,30	5,97	5,50	21600	83	-25	50	196	B
CJDXR-500-10 IE3	1755		13,90	8,06	7,50	23950	85	-25	50	205	B
CJDXR-500-15 IE3	1995		20,90	12,10	11,00	27220	88	-25	50	256	B
CJDXR-500-20 IE3	2065		27,90	16,20	15,00	29050	89	-25	50	251	B
CJDXR-560-2 IE3	840	5,41	3,11		1,50	15620	79	-25	50	212	B
CJDXR-560-3 IE3	955	7,93	4,56		2,20	17830	82	-25	50	221	B
CJDXR-560-4 IE3	1060	10,70	6,15		3,00	20380	84	-25	50	227	B
CJDXR-560-5.5 IE3	1170	13,90	8,00		4,00	22170	86	-25	50	239	B
CJDXR-560-7.5 IE3	1310		10,30	5,97	5,50	24940	89	-25	50	265	B
CJDXR-560-10 IE3	1450		13,90	8,06	7,50	27660	91	-25	50	274	B
CJDXR-560-15 IE3	1650		20,90	12,10	11,00	31050	94	-25	50	325	B
CJDXR-560-20 IE3	1800		27,90	16,20	15,00	34710	96	-25	50	320	B
CJDXR-630-2 IE3	680	5,41	3,11		1,50	19160	76	-25	50	251	B
CJDXR-630-3 IE3	775	7,93	4,56		2,20	21210	78	-25	50	261	B
CJDXR-630-4 IE3	860	10,70	6,15		3,00	23860	81	-25	50	281	B
CJDXR-630-5.5 IE3	950	13,90	8,00		4,00	26260	83	-25	50	291	B
CJDXR-630-7.5 IE3	1060		10,30	5,97	5,50	29200	85	-25	50	300	B
CJDXR-630-10 IE3	1175		13,90	8,06	7,50	32385	88	-25	50	320	B
CJDXR-630-15 IE3	1335		20,90	12,10	11,00	36800	90	-25	50	355	B
CJDXR-630-20 IE3	1480		27,90	16,20	15,00	41415	93	-25	50	409	B
CJDXR-630-25 IE3	1590		35,10	20,30	18,50	44410	94	-25	50	427	B
CJDXR-630-30 IE3	1685		41,00	23,80	22,00	47050	95	-25	50	436	B
CJDXR-710-3 IE3	645	7,93	4,56		2,20	23200	87	-25	50	324	B
CJDXR-710-4 IE3	720	10,70	6,15		3,00	26200	89	-25	50	344	B
CJDXR-710-5.5 IE3	795	13,90	8,00		4,00	29200	91	-25	50	354	B

Technical characteristics

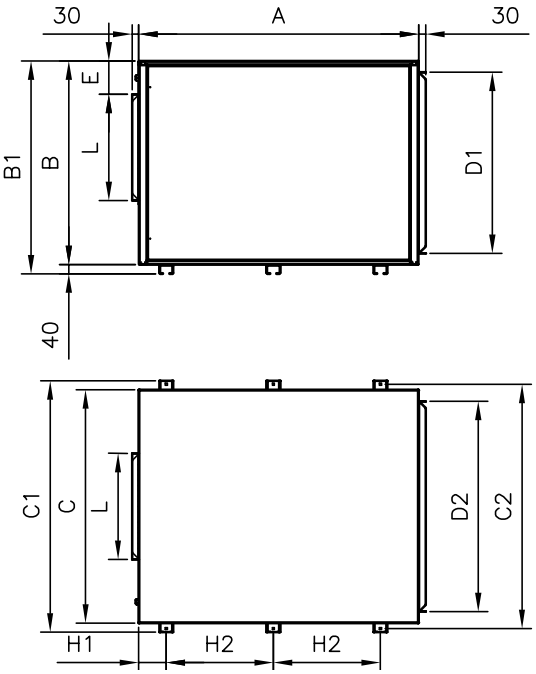
Model	Speed	Maximum admissible current (A)			Installed power max.	Maximum flow rate	Sound pressure level[1] dB(A)	Working temperature		Approx. weight	Mounting type
	(r/min)	230V	400V	690V	(kW)	(m³/h)	Inlet	min.	max.	(Kg)	
CJDXR-710-7.5 IE3	885		10,30	5,97	5,50	32200	94	-25	50	364	B
CJDXR-710-10 IE3	985		13,90	8,06	7,50	35600	96	-25	50	384	B
CJDXR-710-15 IE3	1115		20,90	12,10	11,00	40600	99	-25	50	419	B
CJDXR-710-20 IE3	1240		27,90	16,20	15,00	45600	101	-25	50	473	B
CJDXR-710-25 IE3	1330		35,10	20,30	18,50	49000	103	-25	50	491	B
CJDXR-710-30 IE3	1400		41,00	23,80	22,00	52000	104	-25	50	500	B

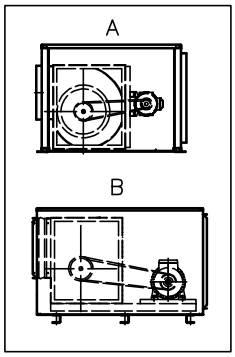
1. The noise level values are pressures in dB(A) measured at a distance of 3 metres in a free field.

Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm





	A	B	B1	C	C1	C2	D1	D2	E	H1	H2	L	Mounting type
CJDXR-200	650	460	-	500	-	-	364	404	55	-	-	257	A
CJDXR-250	850	650	-	700	-	-	554	604	154	-	-	324	A
CJDXR-315	1000	755	795	800	940	910	660	705	97	130	341,2	405	B
CJDXR-355	1200	875	915	1000	1080	1050	780	905	140	120	460	455	B
CJDXR-400	1400	1175	1215	1100	1280	1250	1080	1005	355	95	587,5	510	B
CJDXR-450	1460	1250	1290	1250	1350	1320	1155	1155	330	80	647,5	575	B
CJDXR-500	1660	1375	1415	1450	1550	1520	1280	1355	365	80	737,5	640	B
CJDXR-560	1660	1375	1415	1450	1550	1520	1280	1355	255	80	737,5	720	B
CJDXR-630	1800	1600	1640	1650	1770	1740	1505	1555	350	85	807,5	805	B
CJDXR-710	2150	1600	1640	1650	1770	1740	1505	1555	185	120	637	900	B

Accessories


INT


C2V


VSD3/A-RFT - VSD1/A-RFM

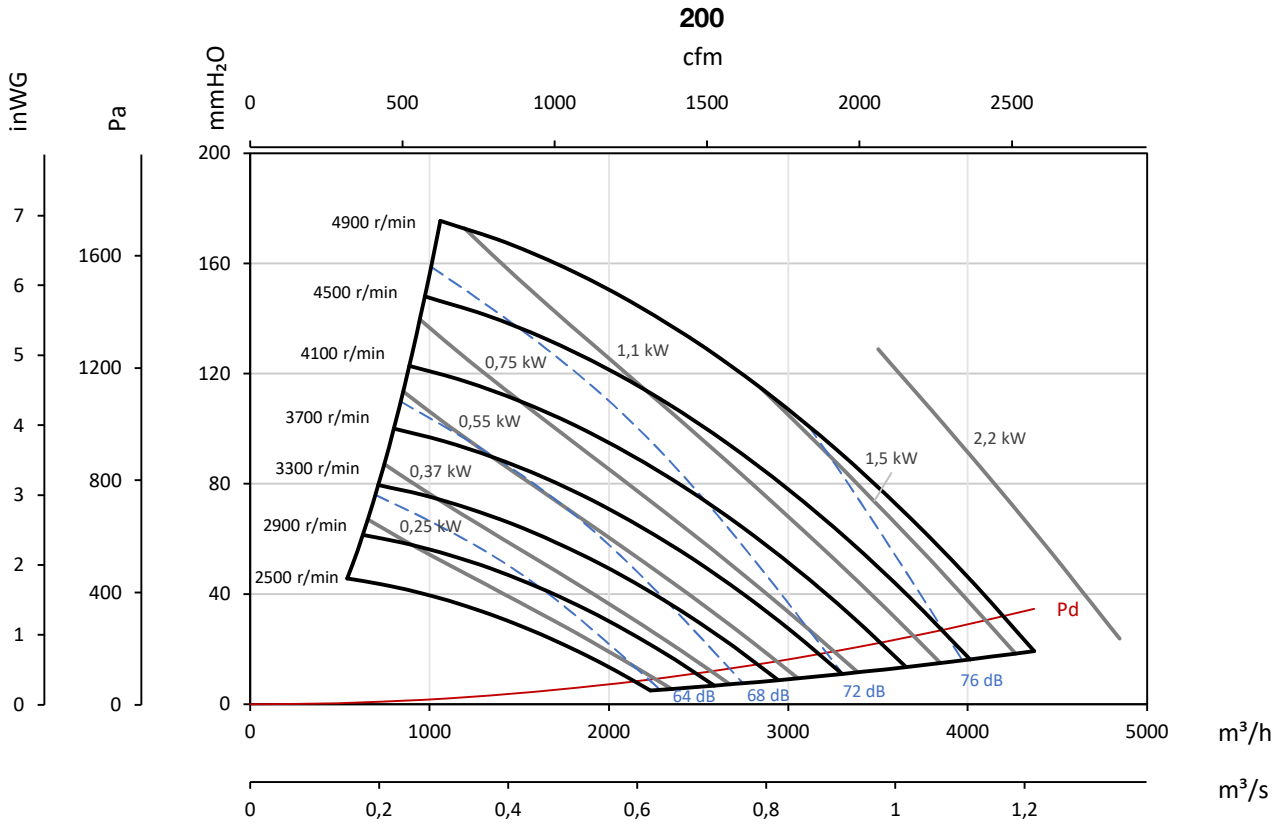

AET

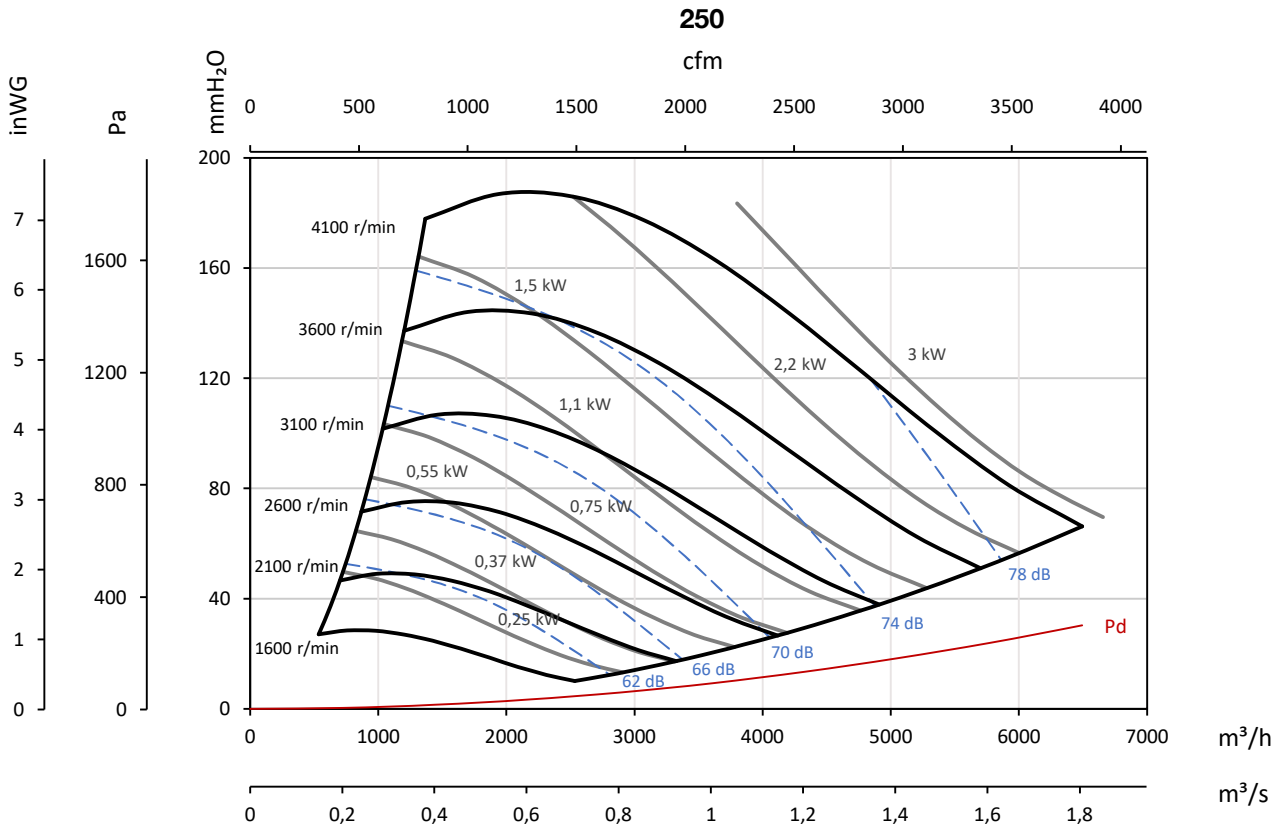

VIS


TEJ

Characteristic curves

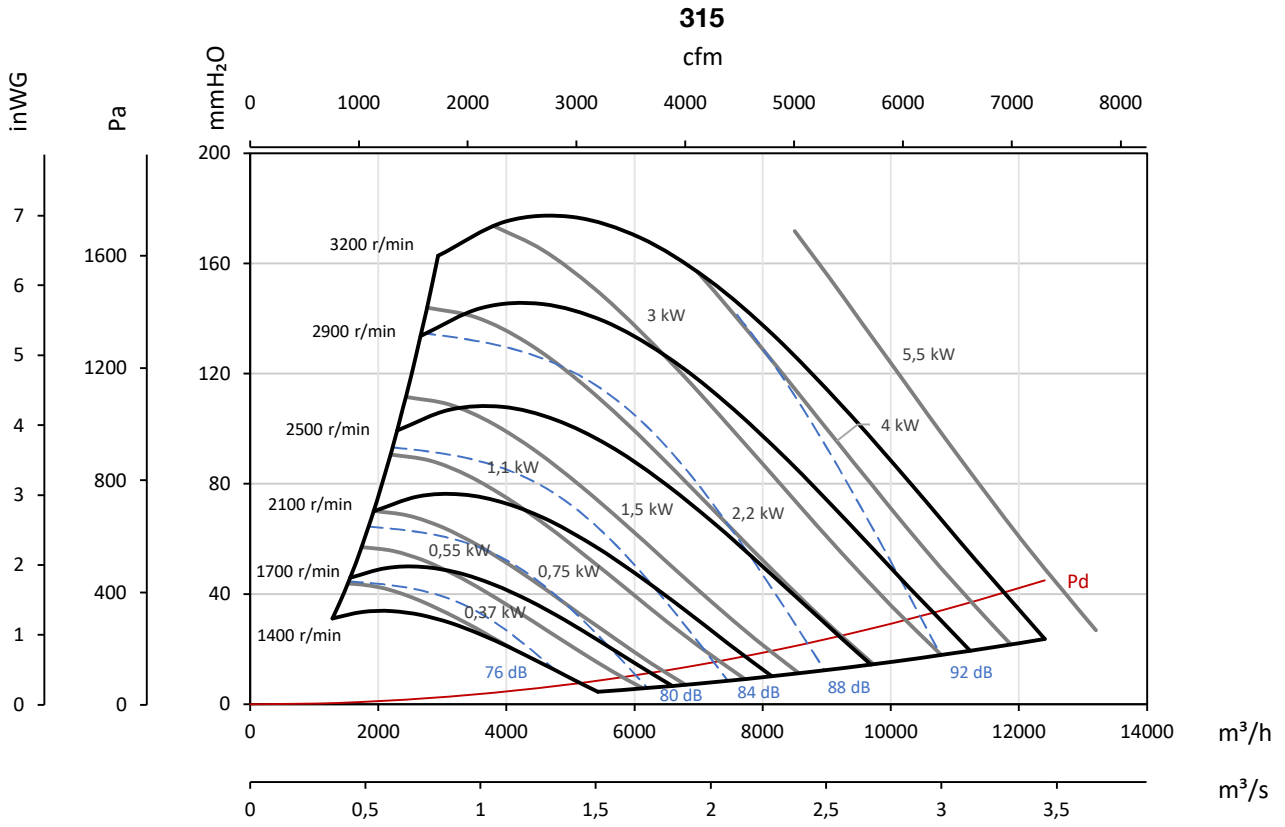
Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

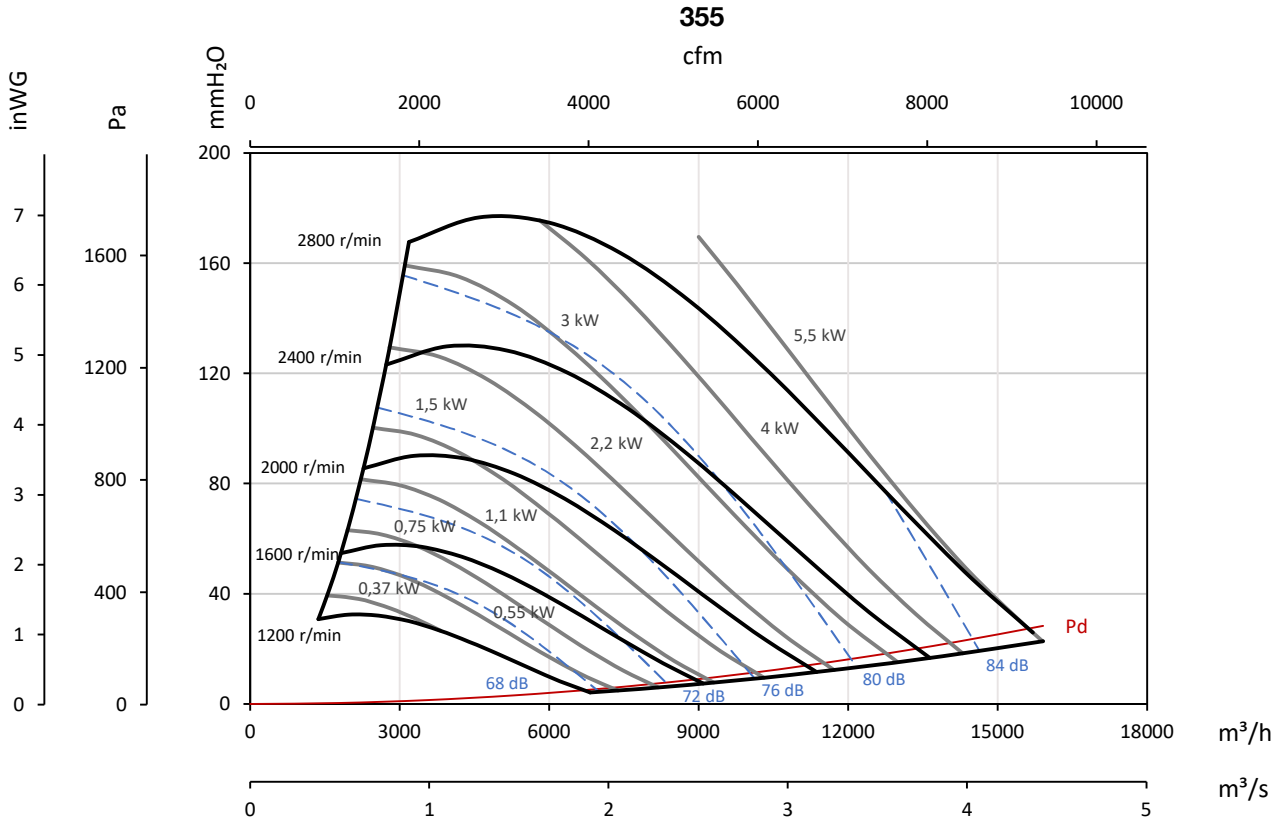




Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg





Characteristic curves

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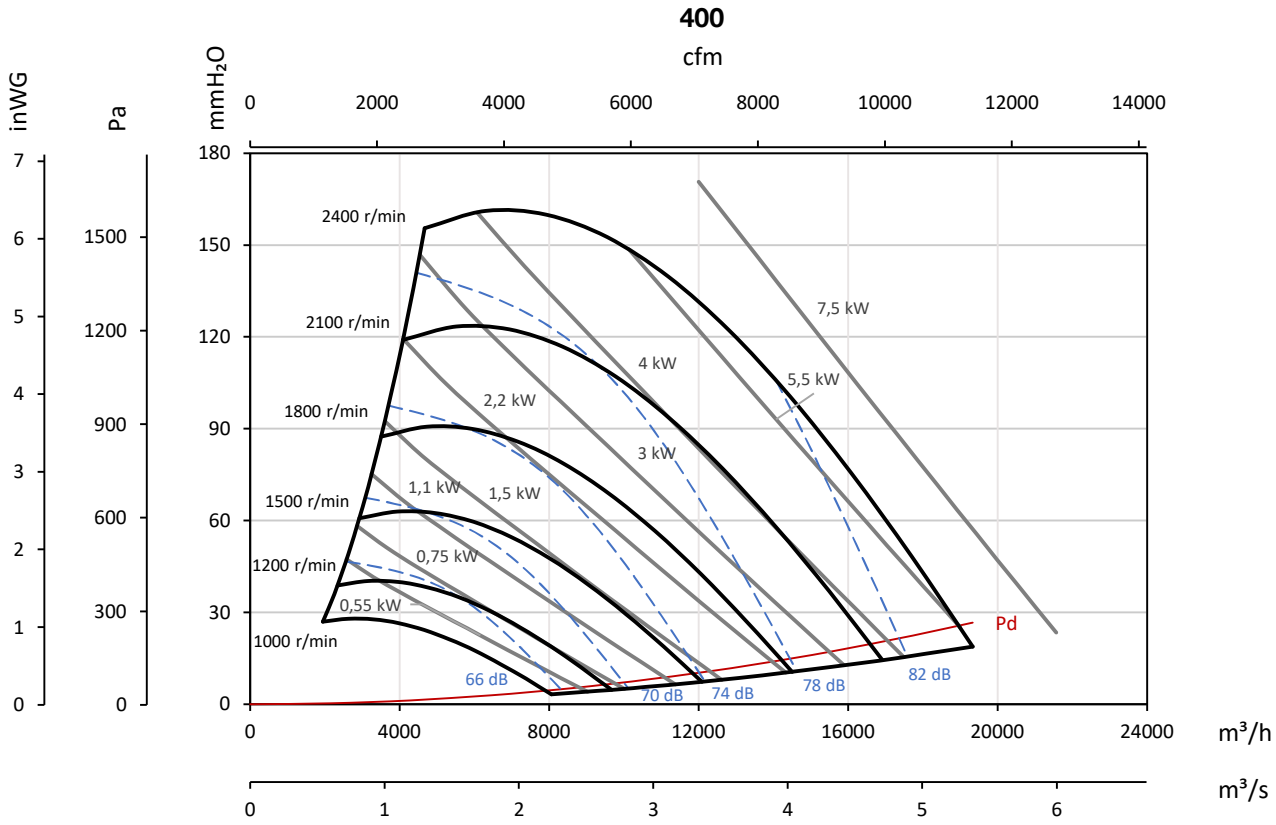
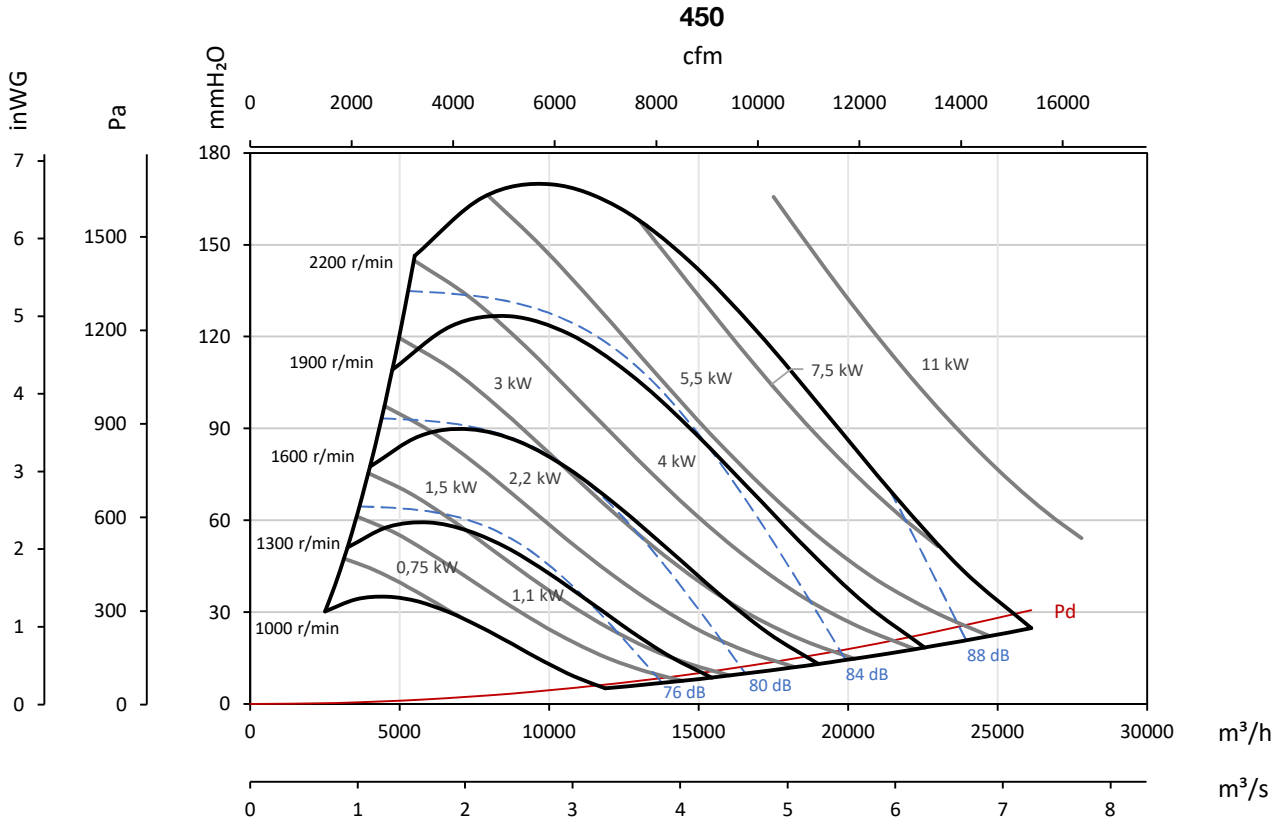
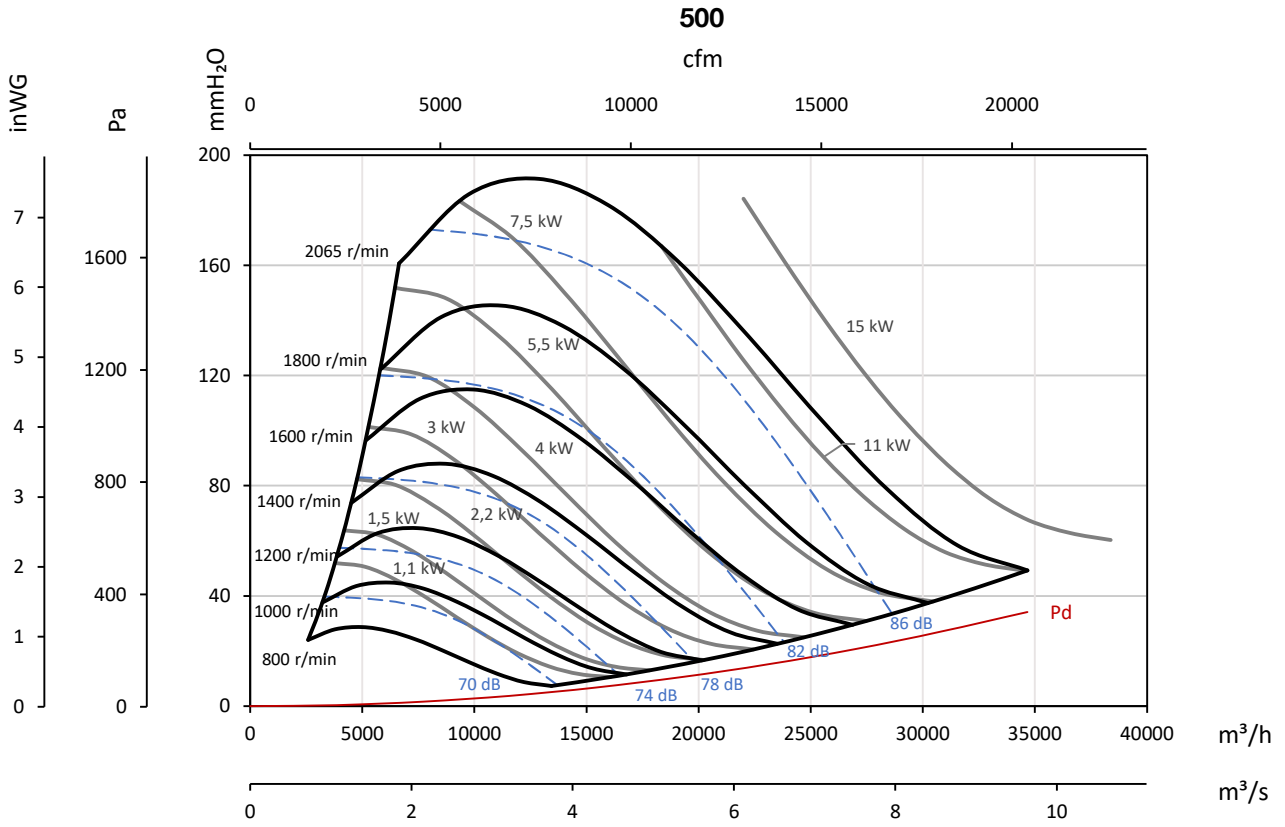
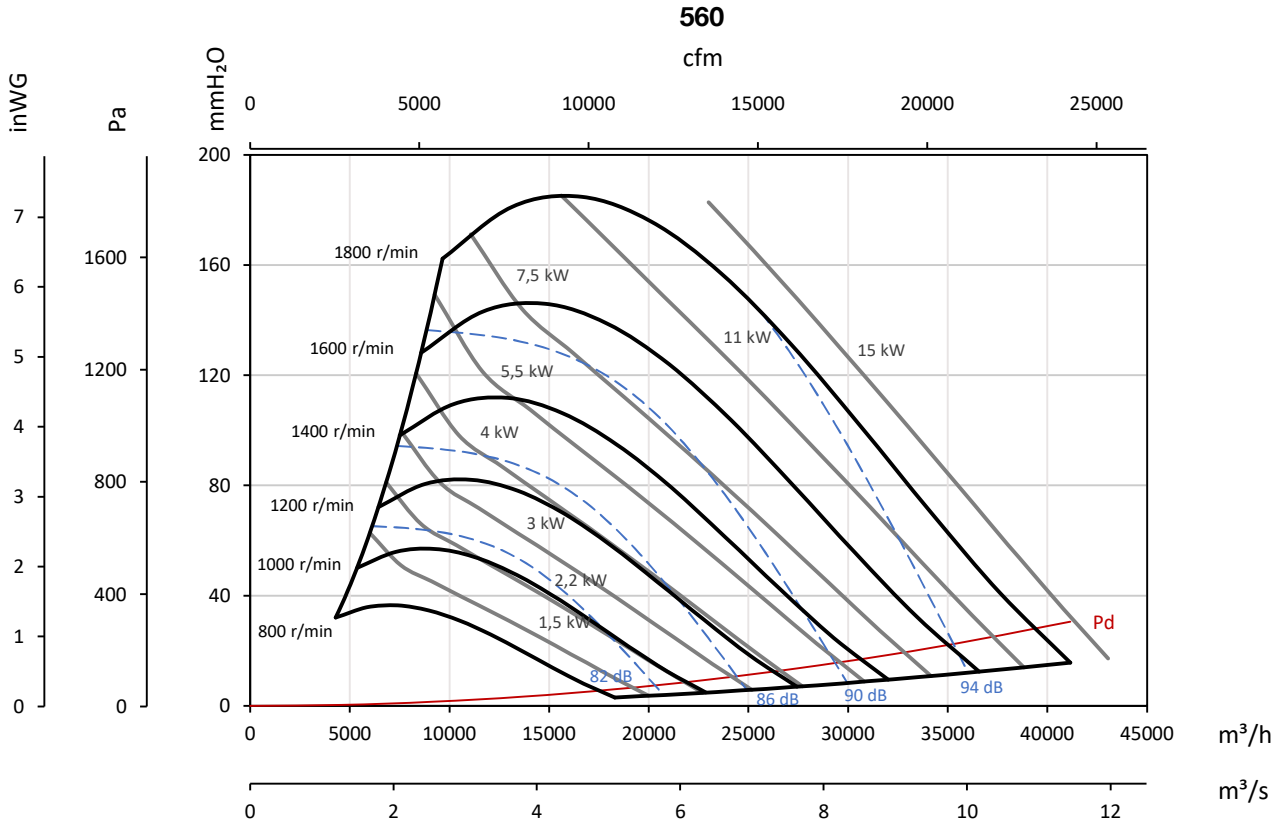




Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg





Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg