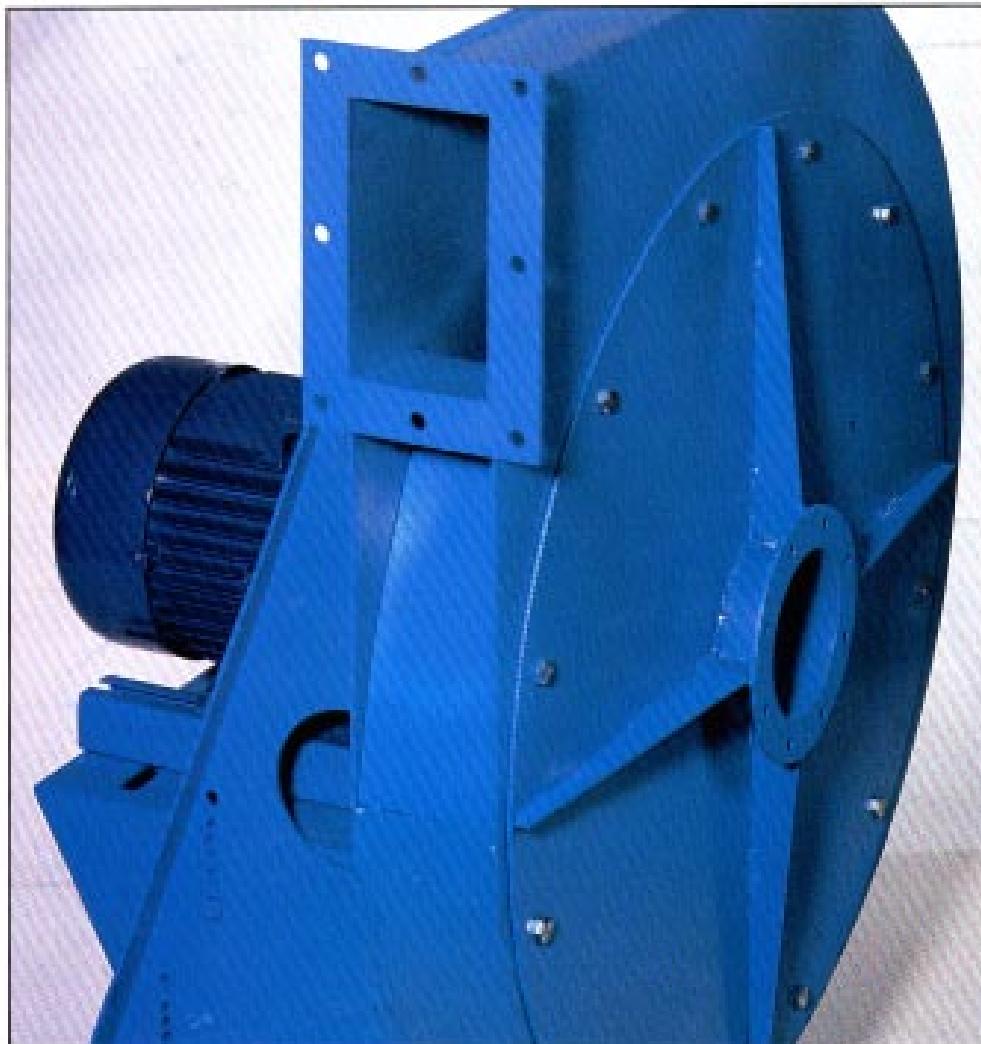


Industrial Radial Fans

Serie DP - high pressure



comefri

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Note! Dimensions of belt driven DP-fans are available at request.



The Comefri DP ... Fan is indicated for all the application in which is requested to convey small volumes at high pressure.

This fan is mainly used for ventilation, drying, pressurization and transport processes where the medium is containing also high quantity of dust.

The wheel is auto-cleaning and therefore it allows the treatment of air containing granular particles, but not filaments.

The maximum allowed operating temperature, for standard lay-out, is 80°C.

The housing is made of carbon steel continuously welded and appropriately reinforced.

The fan is suitable to be oriented by 45 degree steps.

This brochure is concerning the setting 4 (direct transmission), however the main data are applicable for both settings 1 and 8.

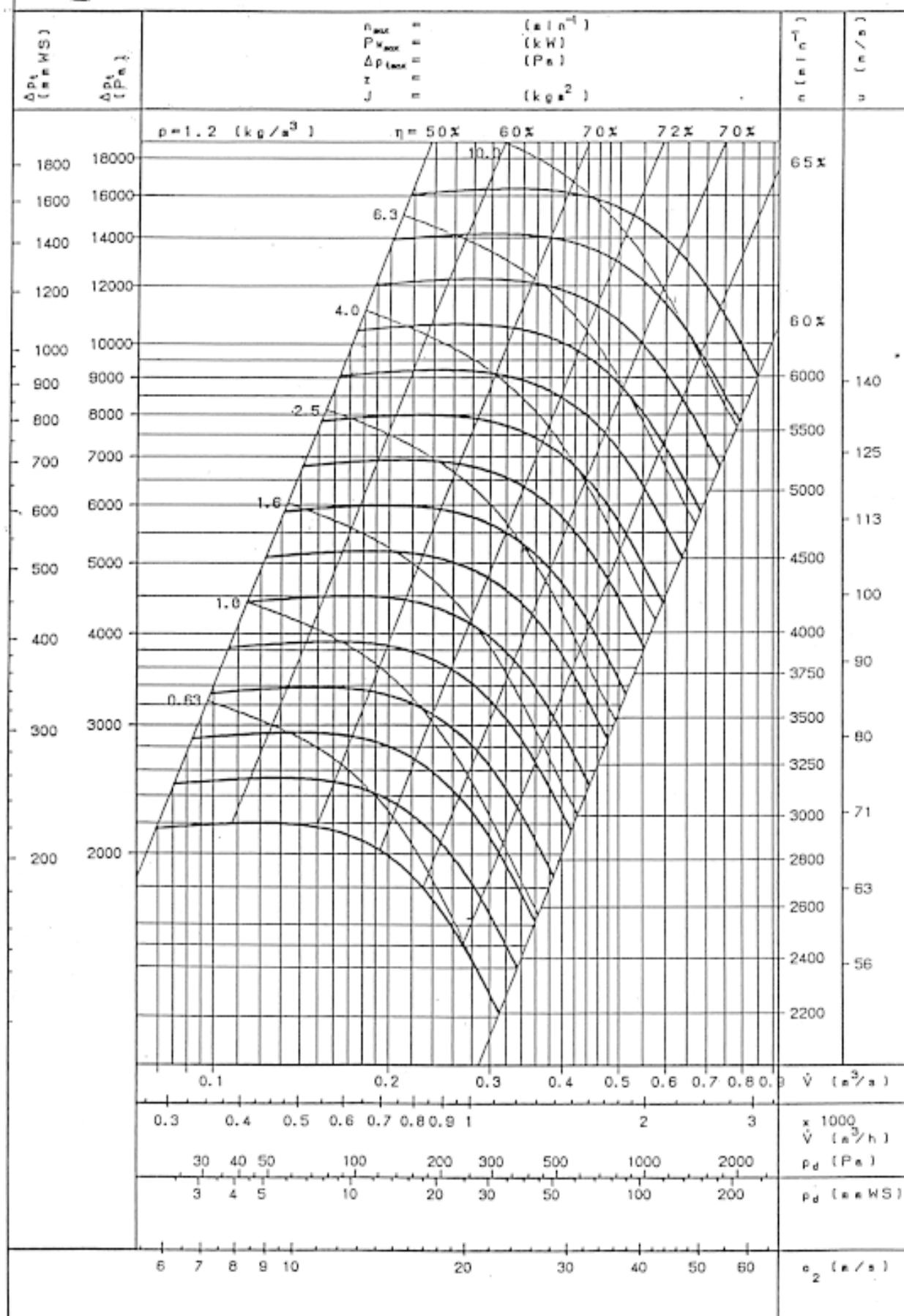


For this fan, the list of the main accessories upon request is the following:

- drain plug;
- coupling with B5 electric motor without motor support;
- inlet and outlet guard;
- anti sparking execution according to the international standards;
- special construction for fluid temperature up to 200°C;
- shaft sealing: simple, rubber seal, stuffing box and labyrinth.



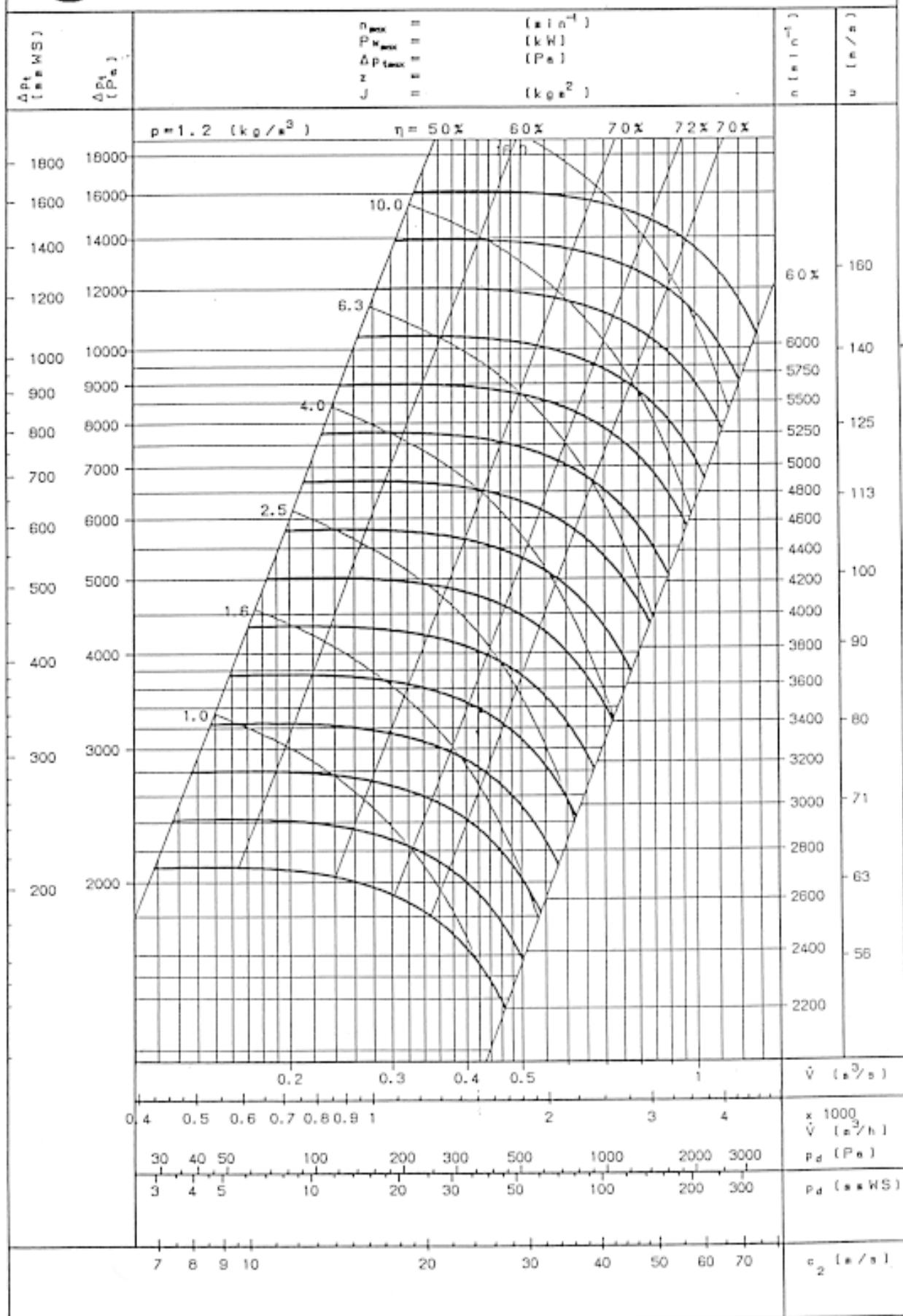
DP 450/2





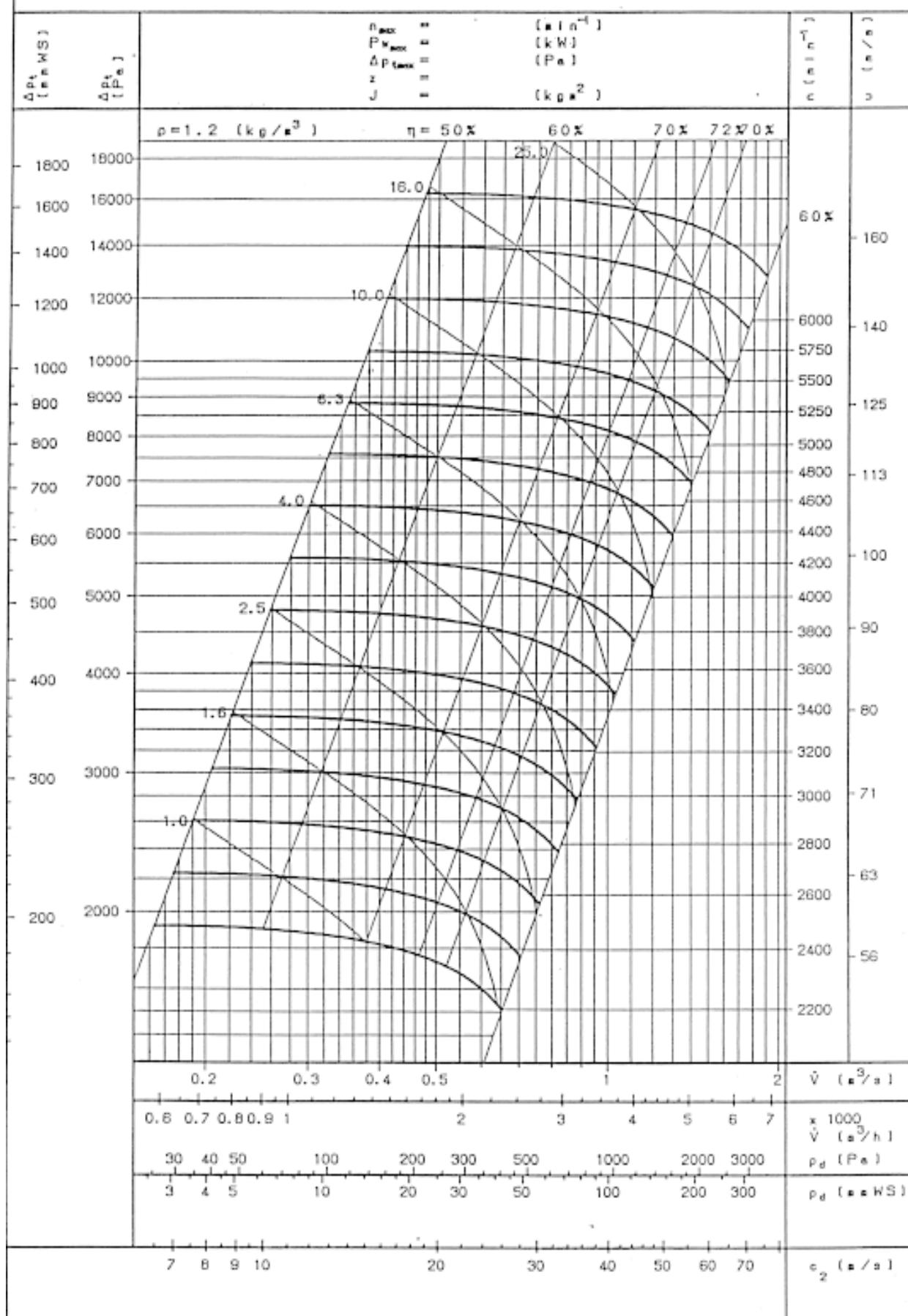
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DP 450/3





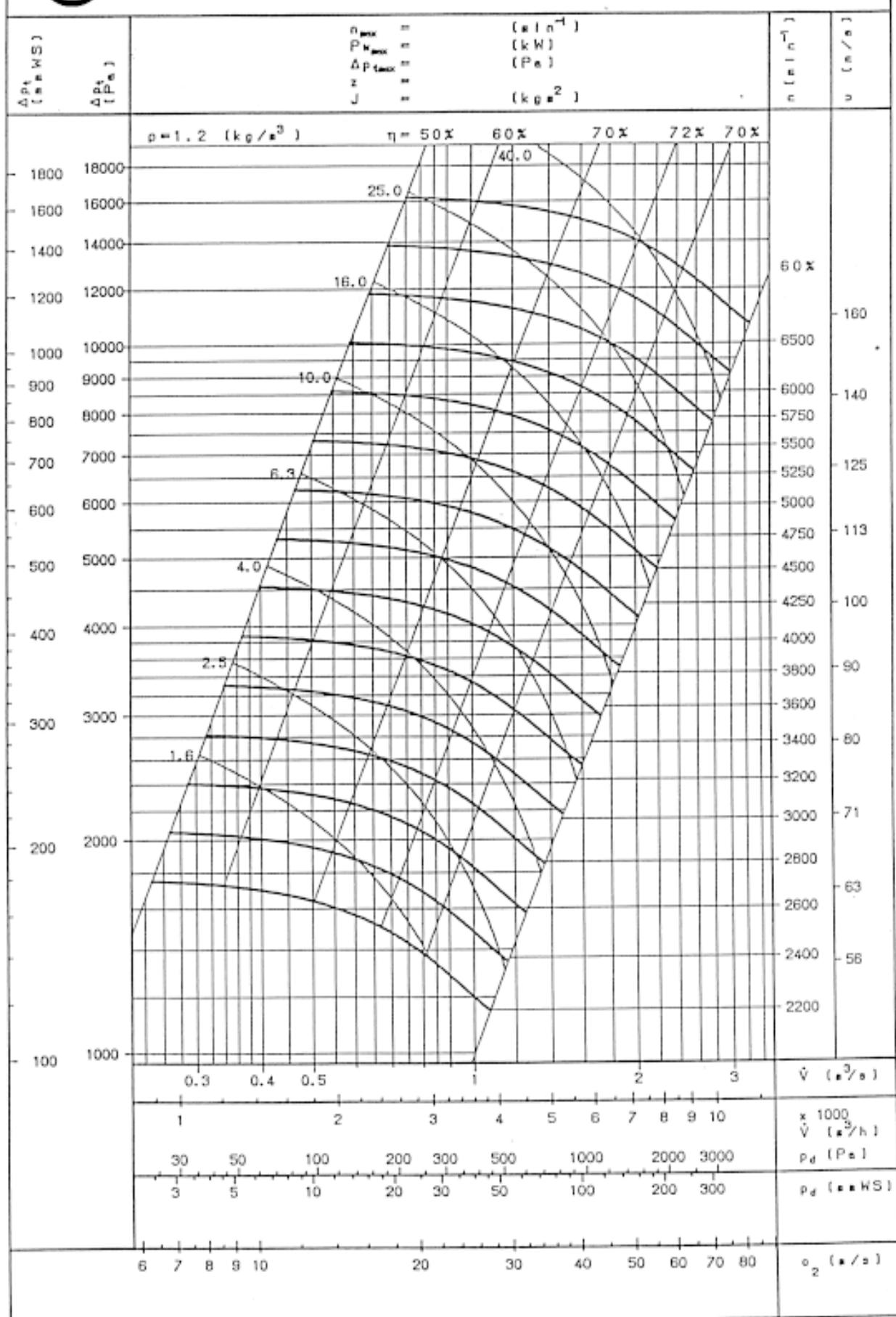
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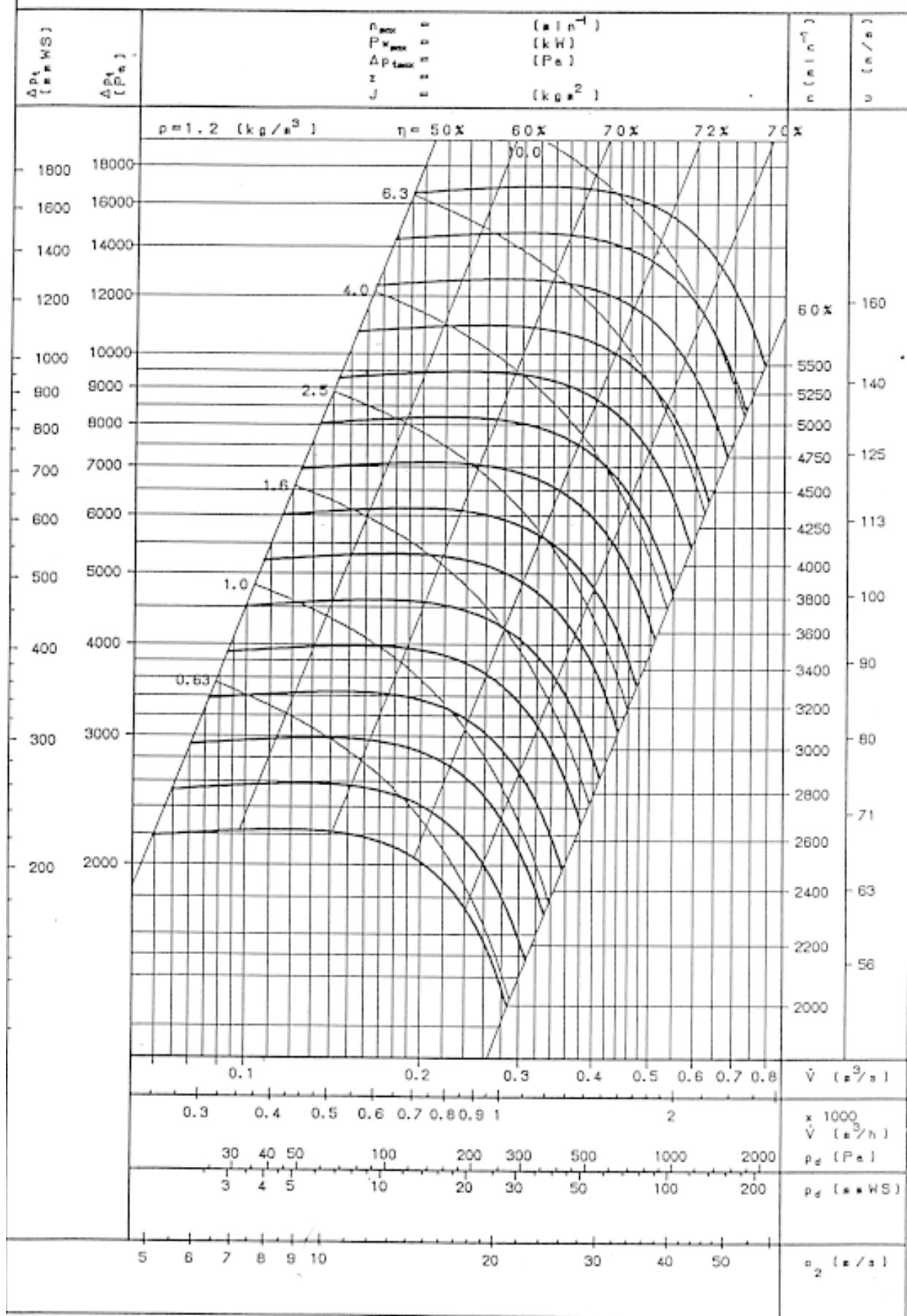


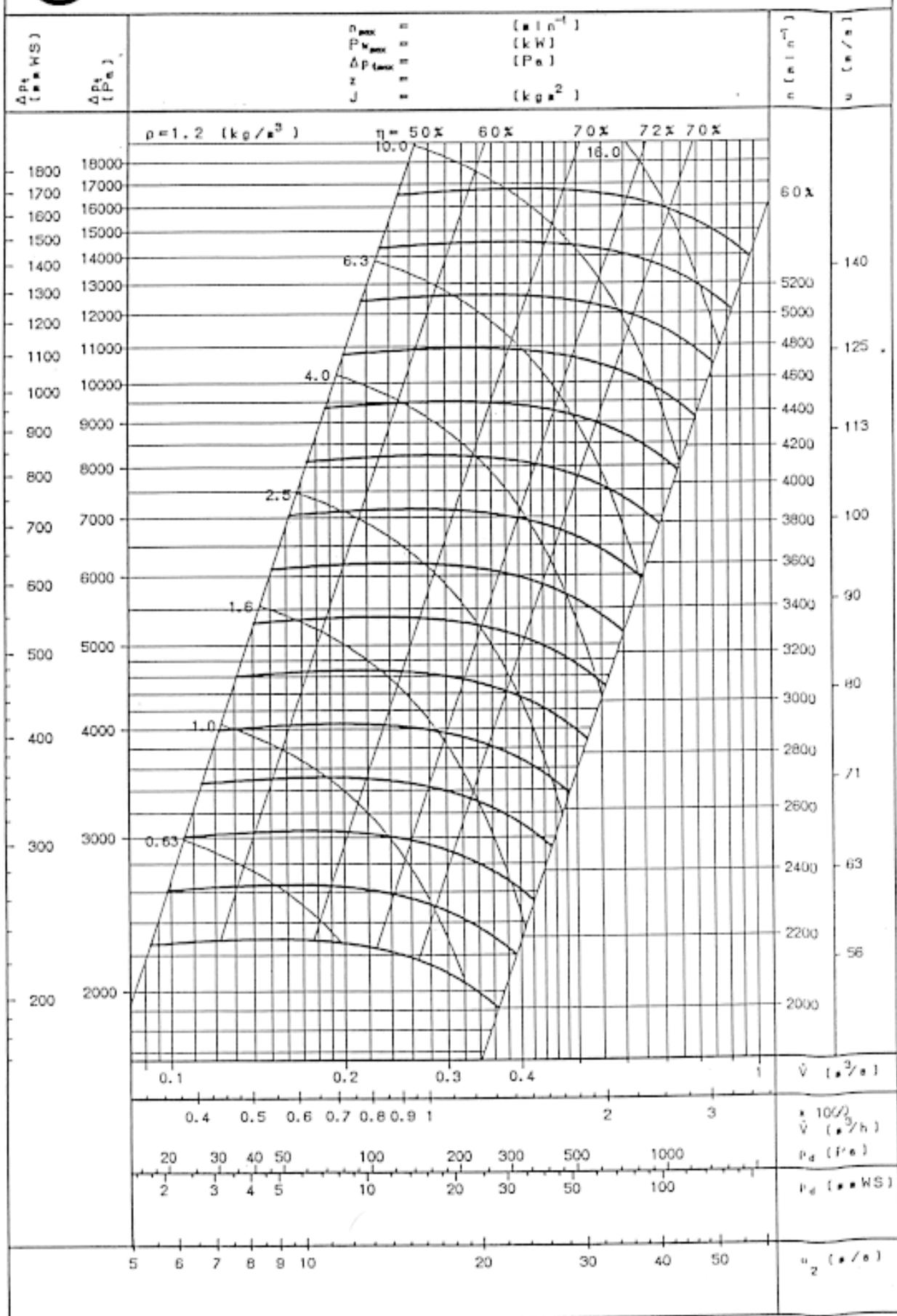


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DP 450/5

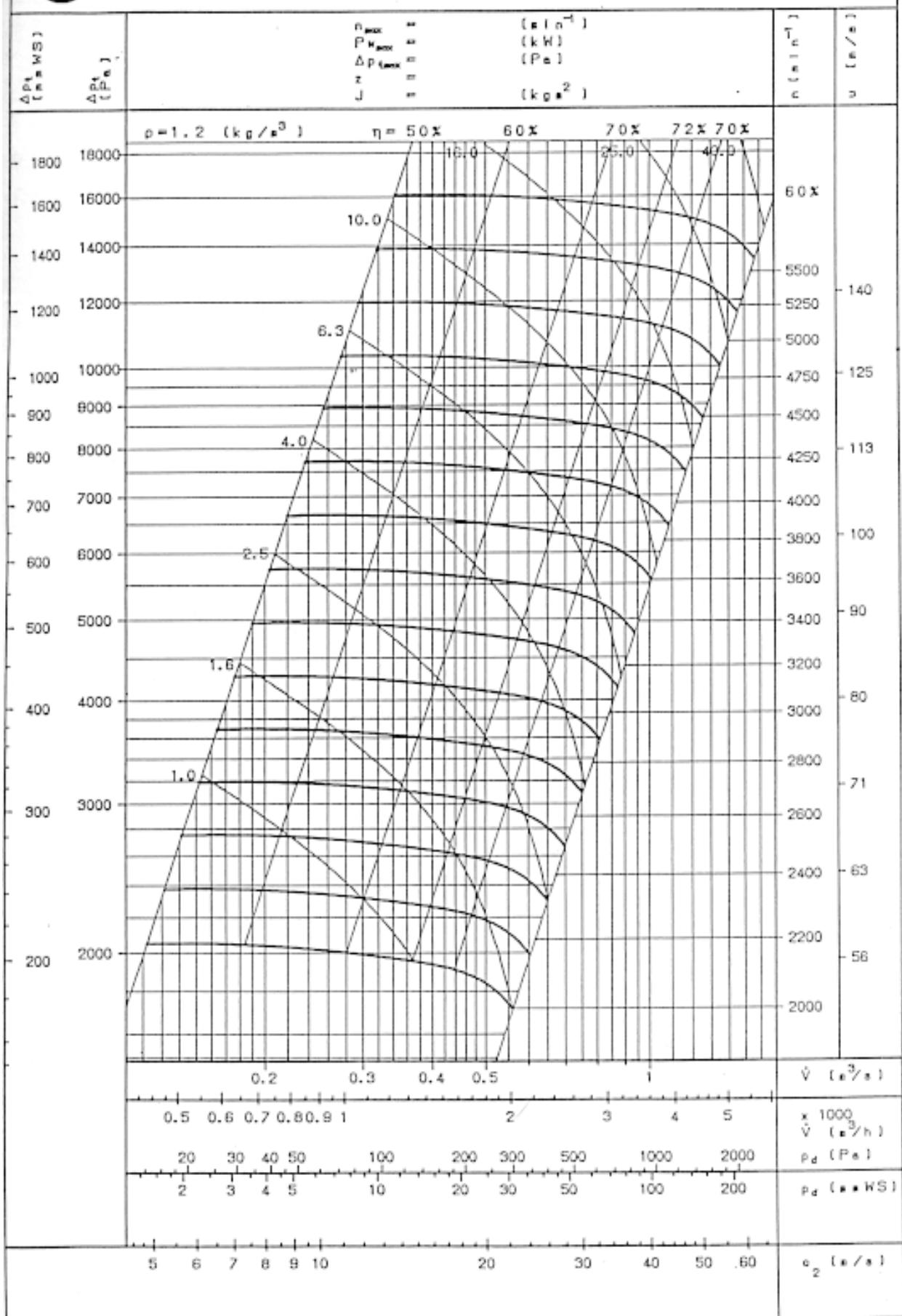








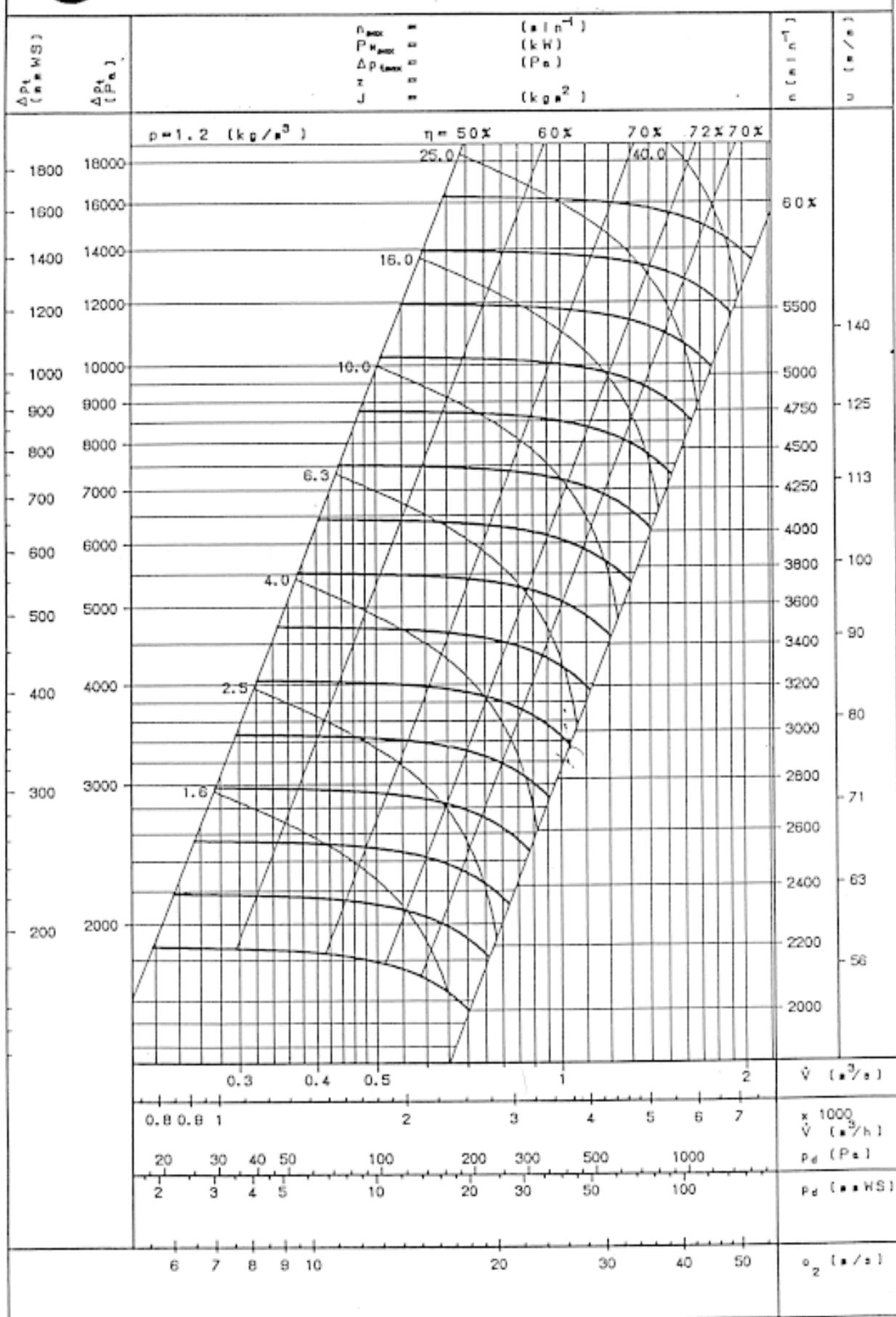
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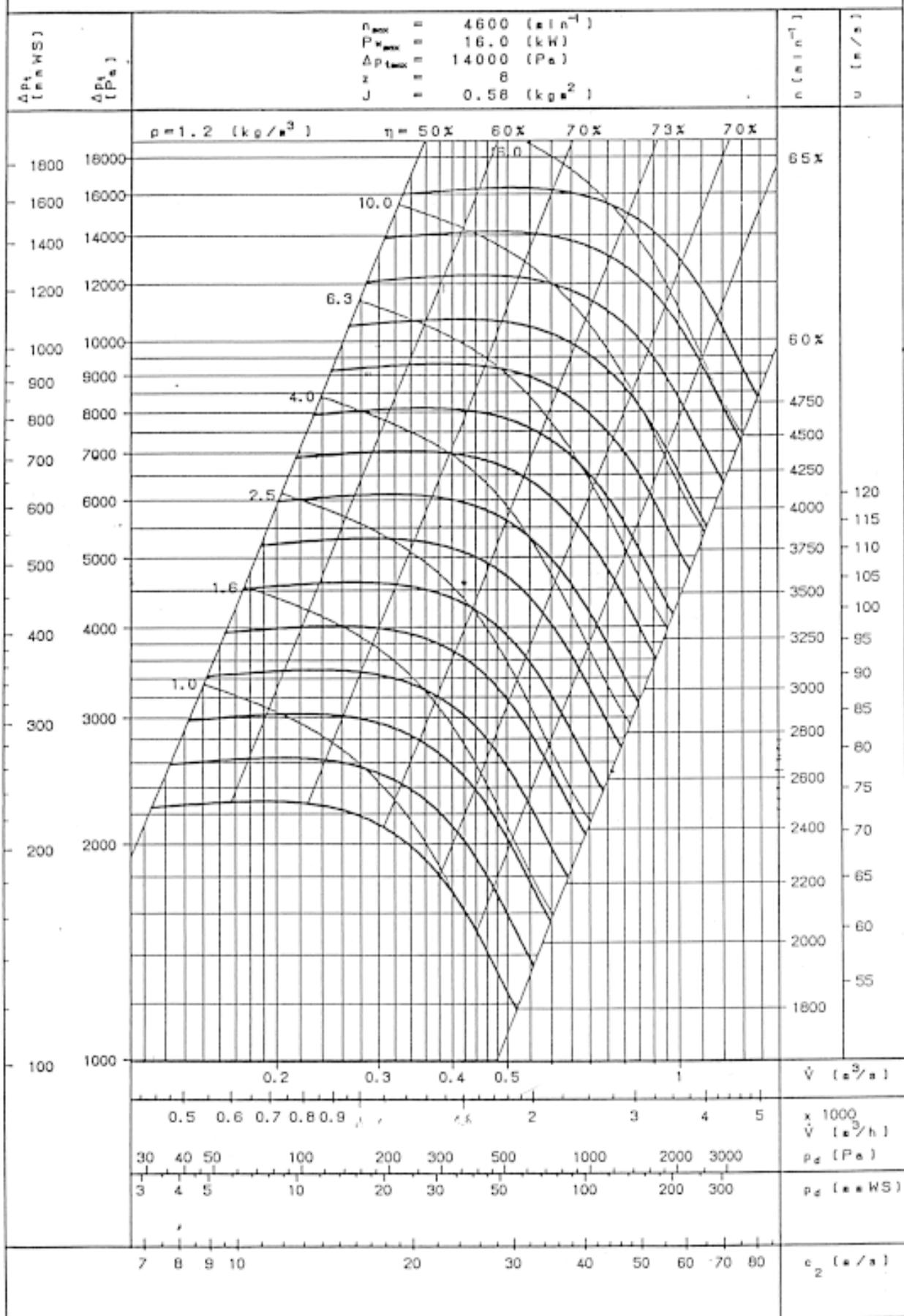
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DP 500/5





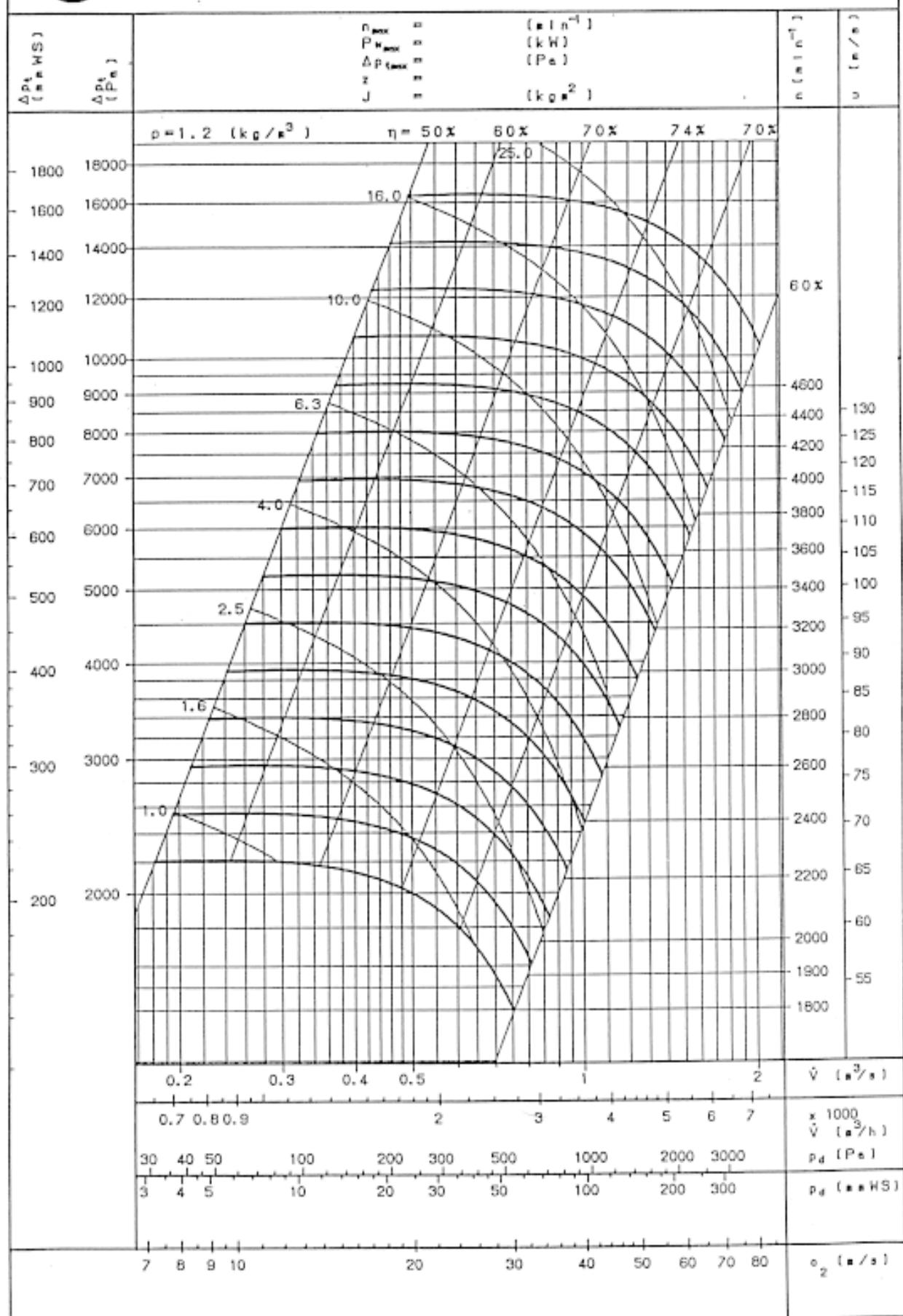
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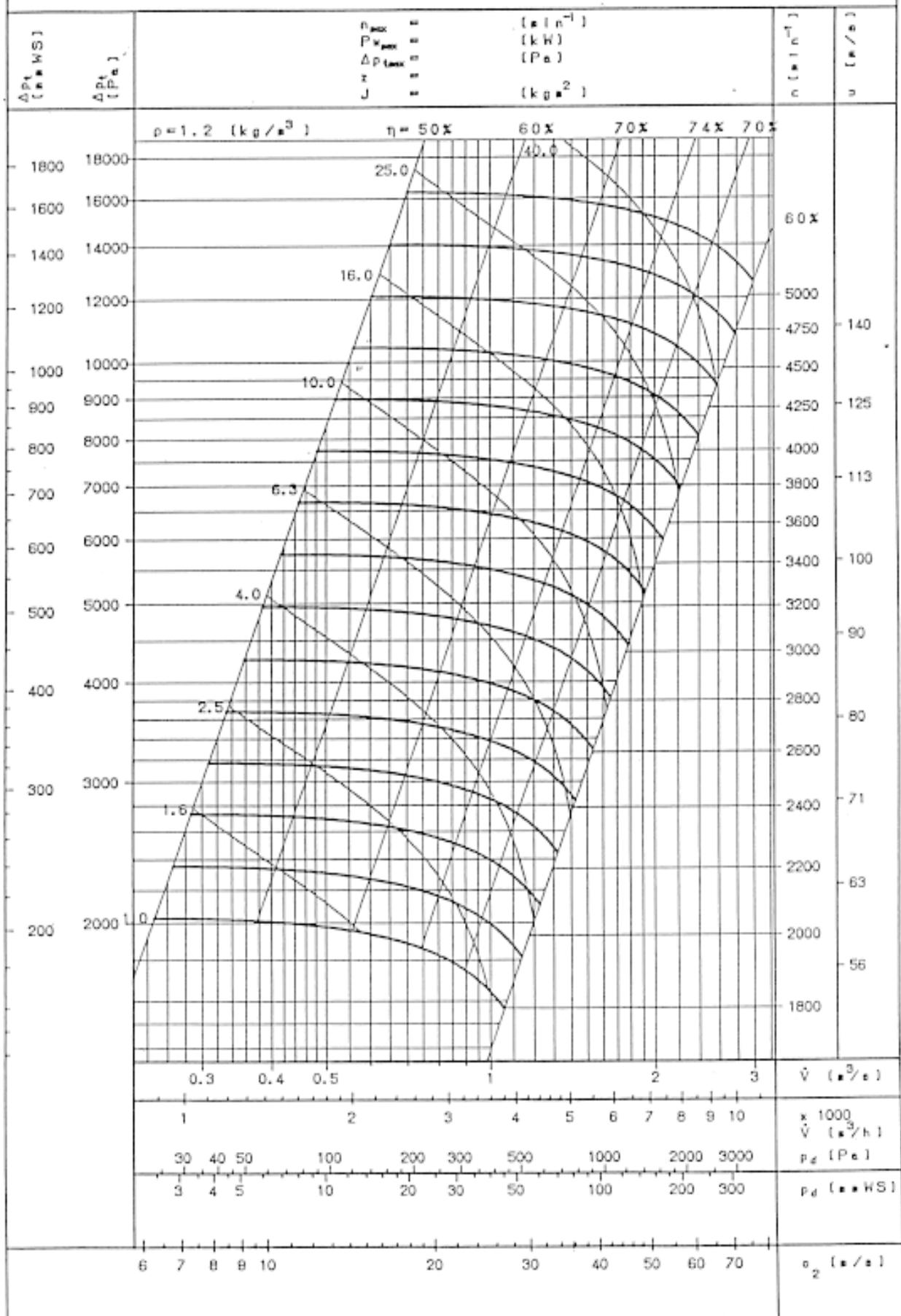
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DP 560/4





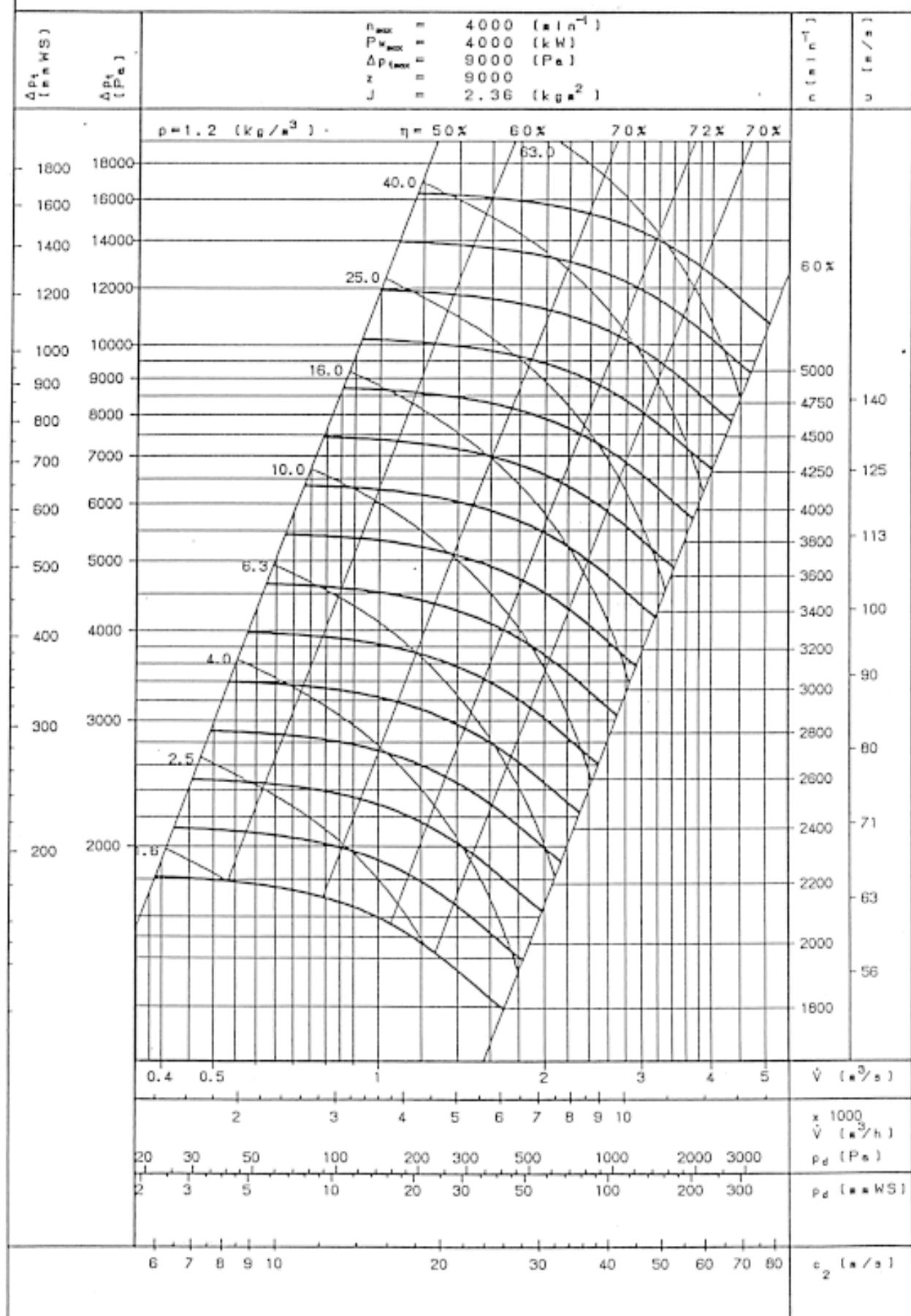
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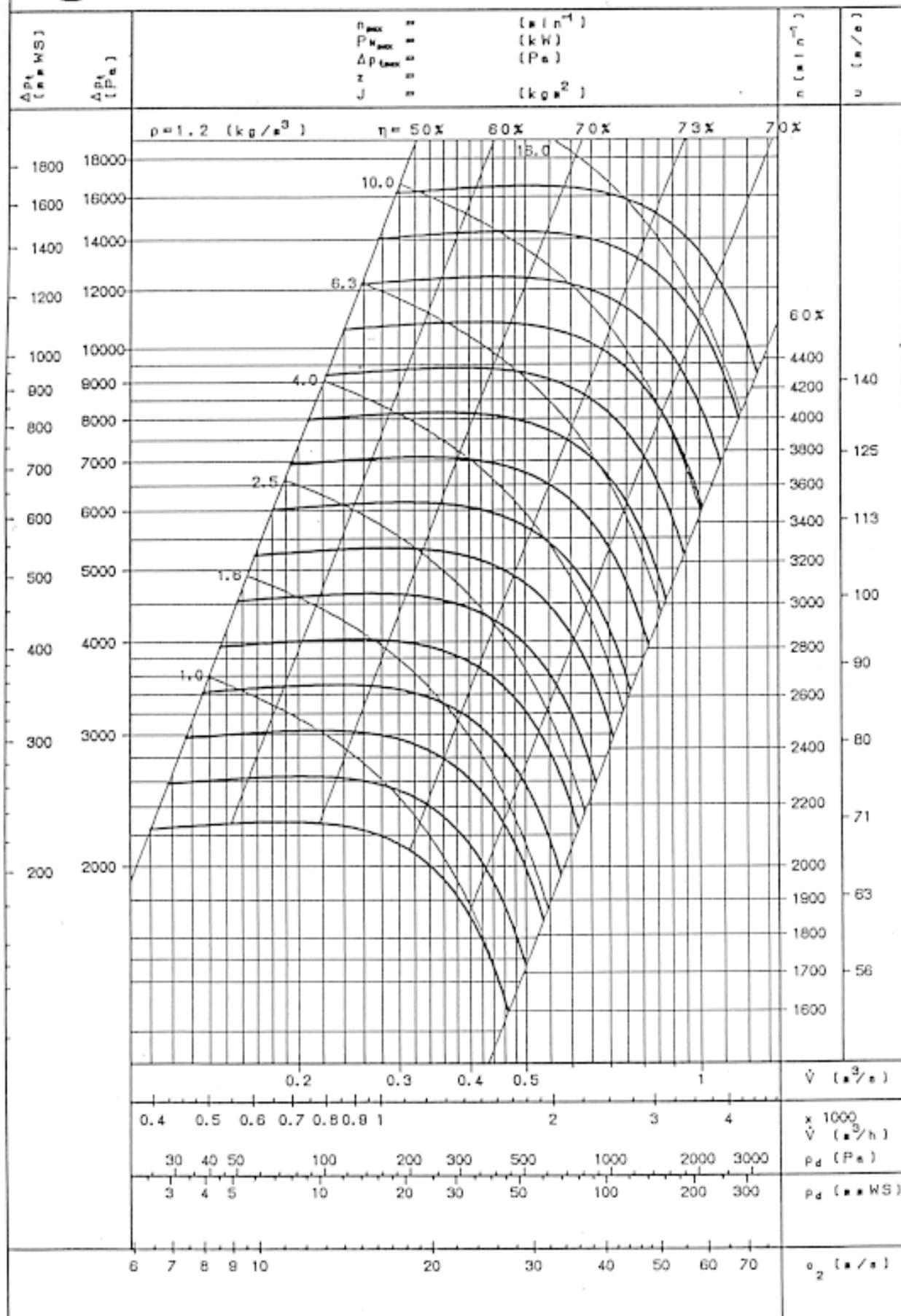




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DP 560/6

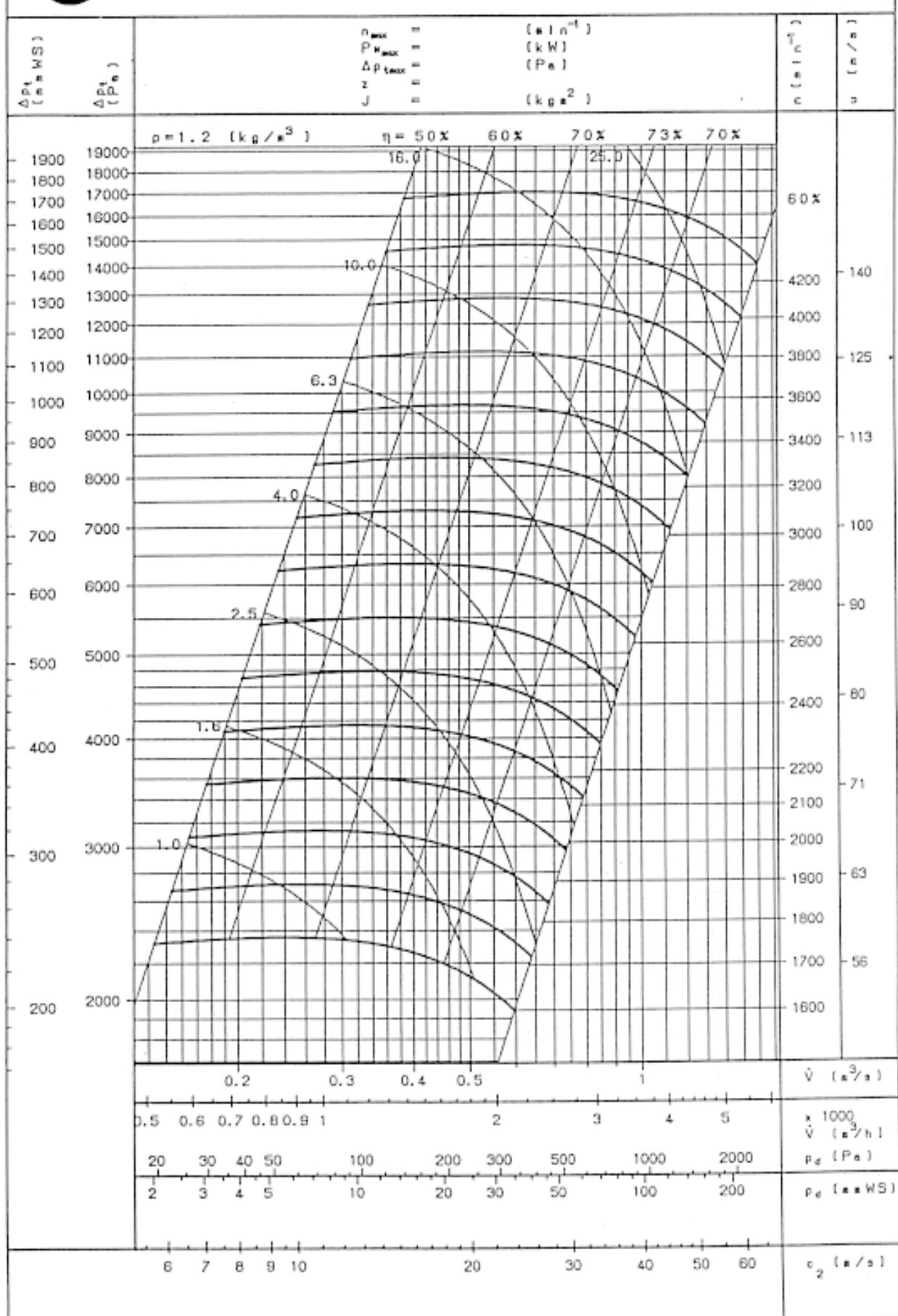






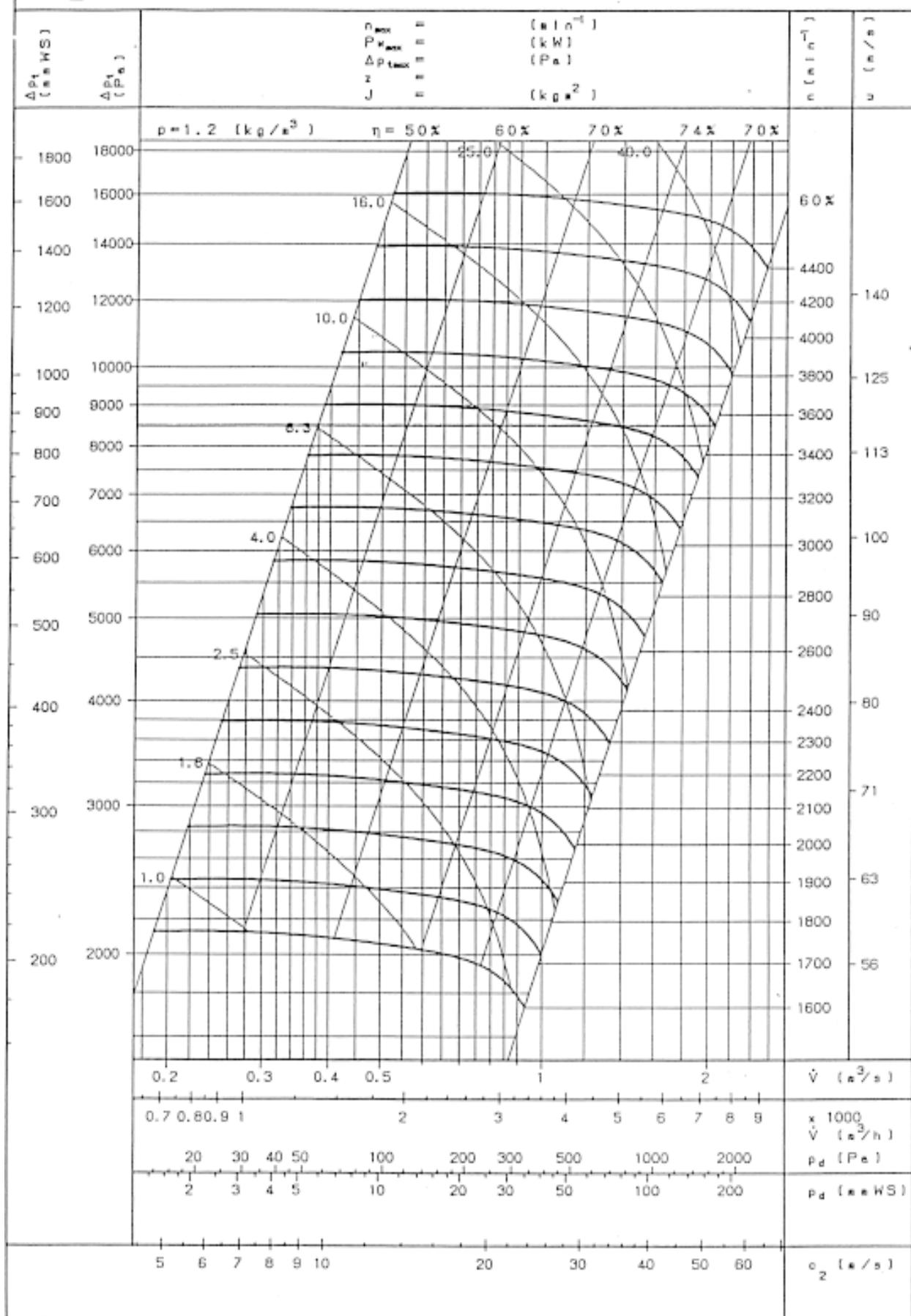
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DP 630/4





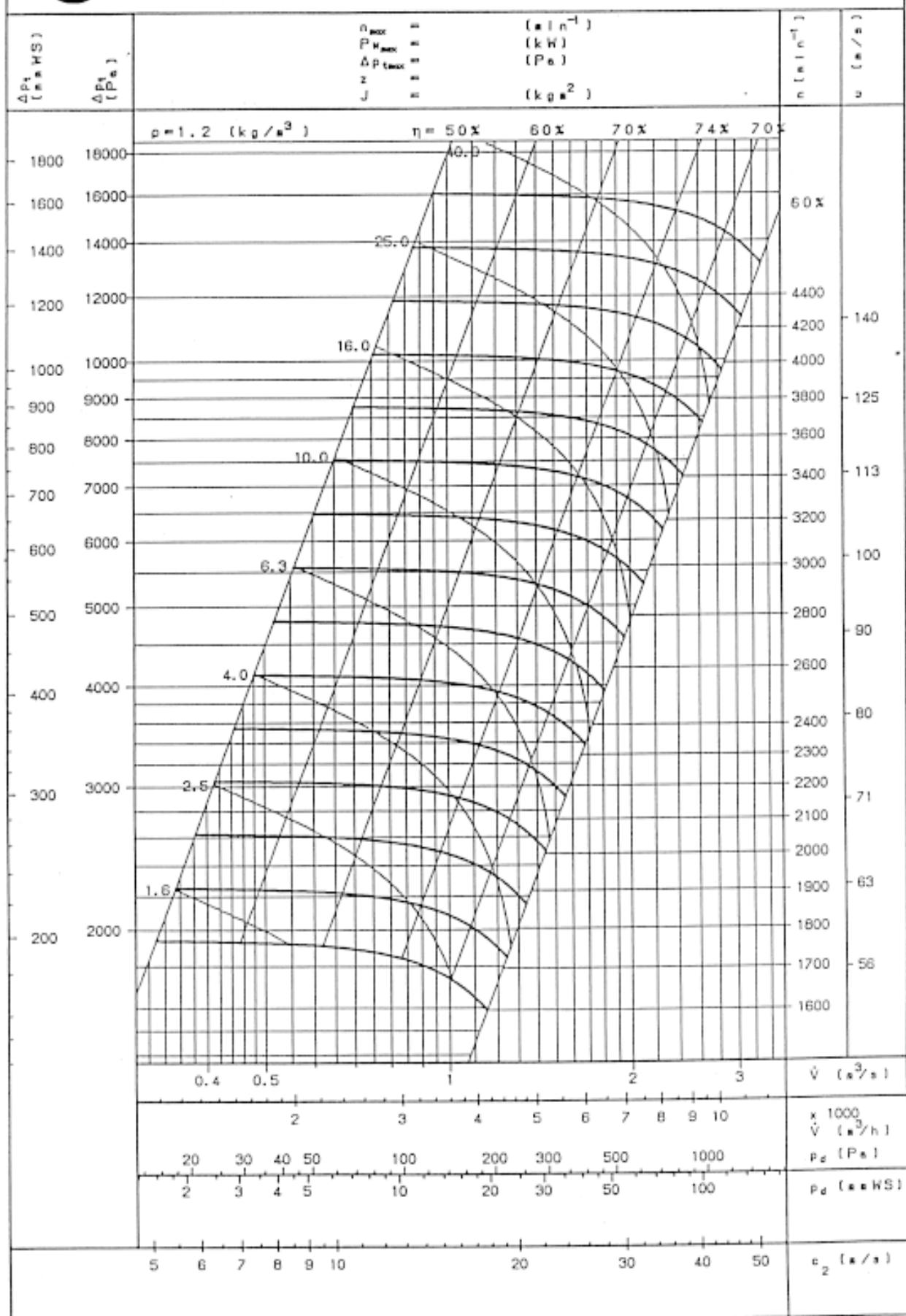
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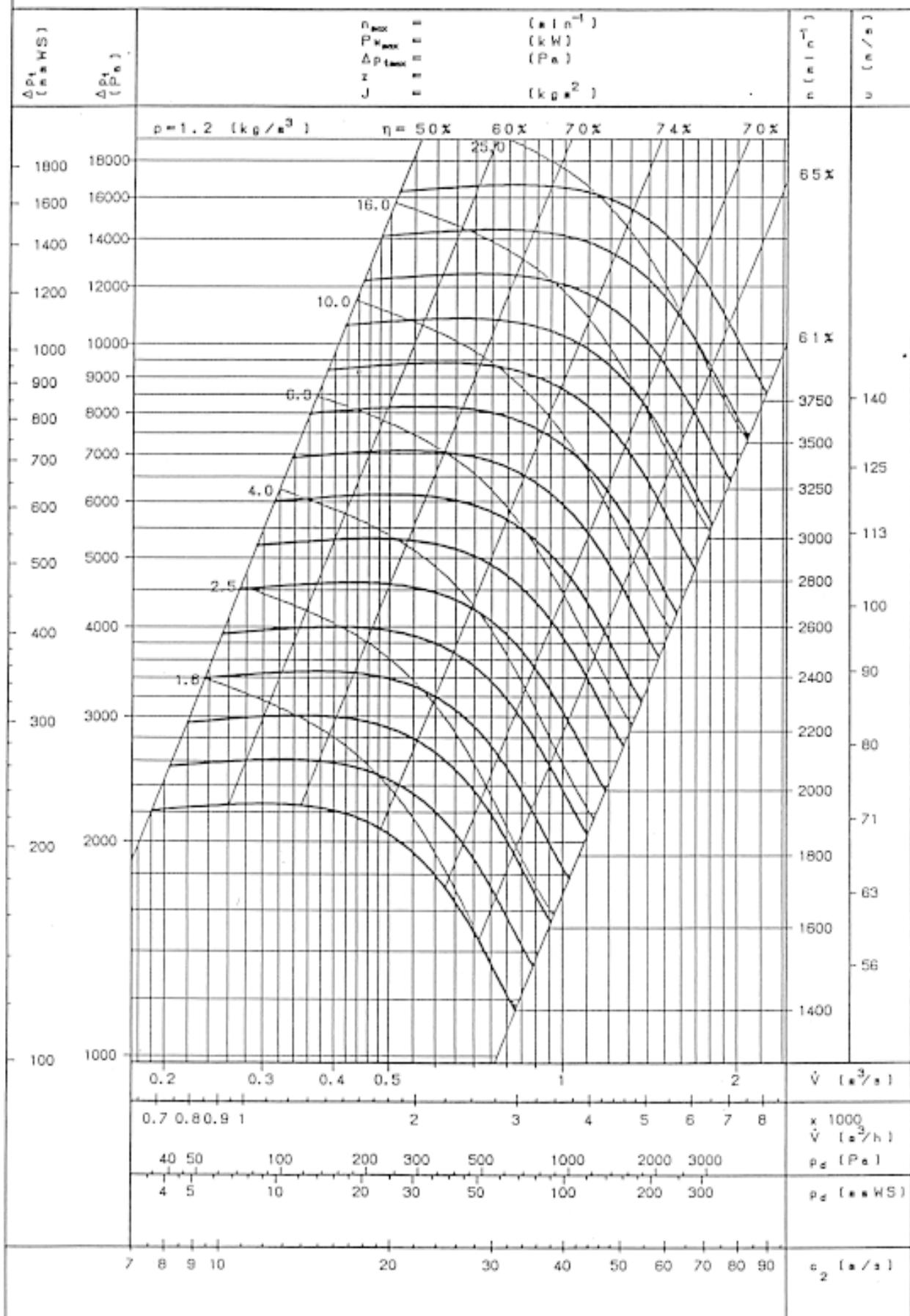




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DP 630/6

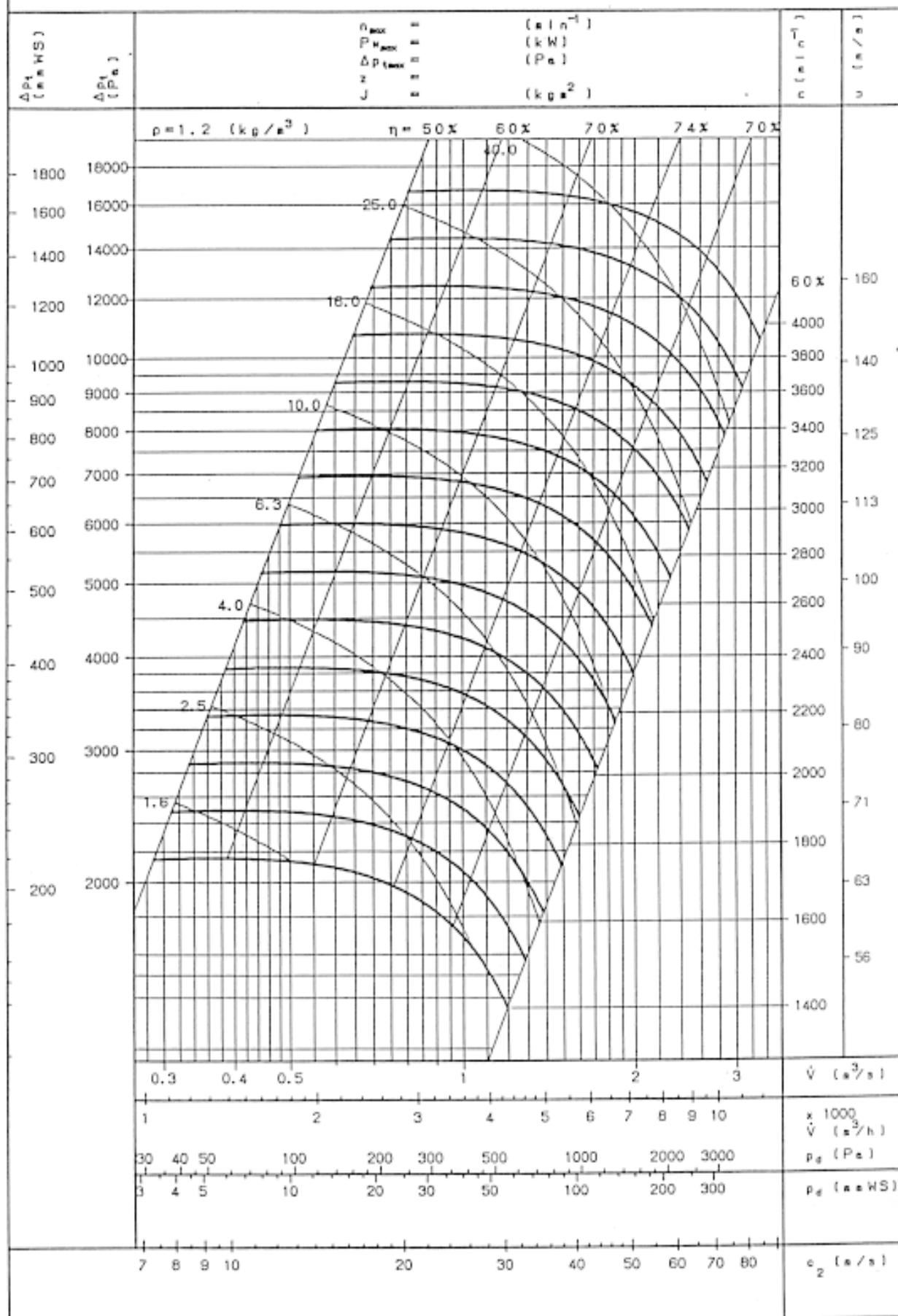






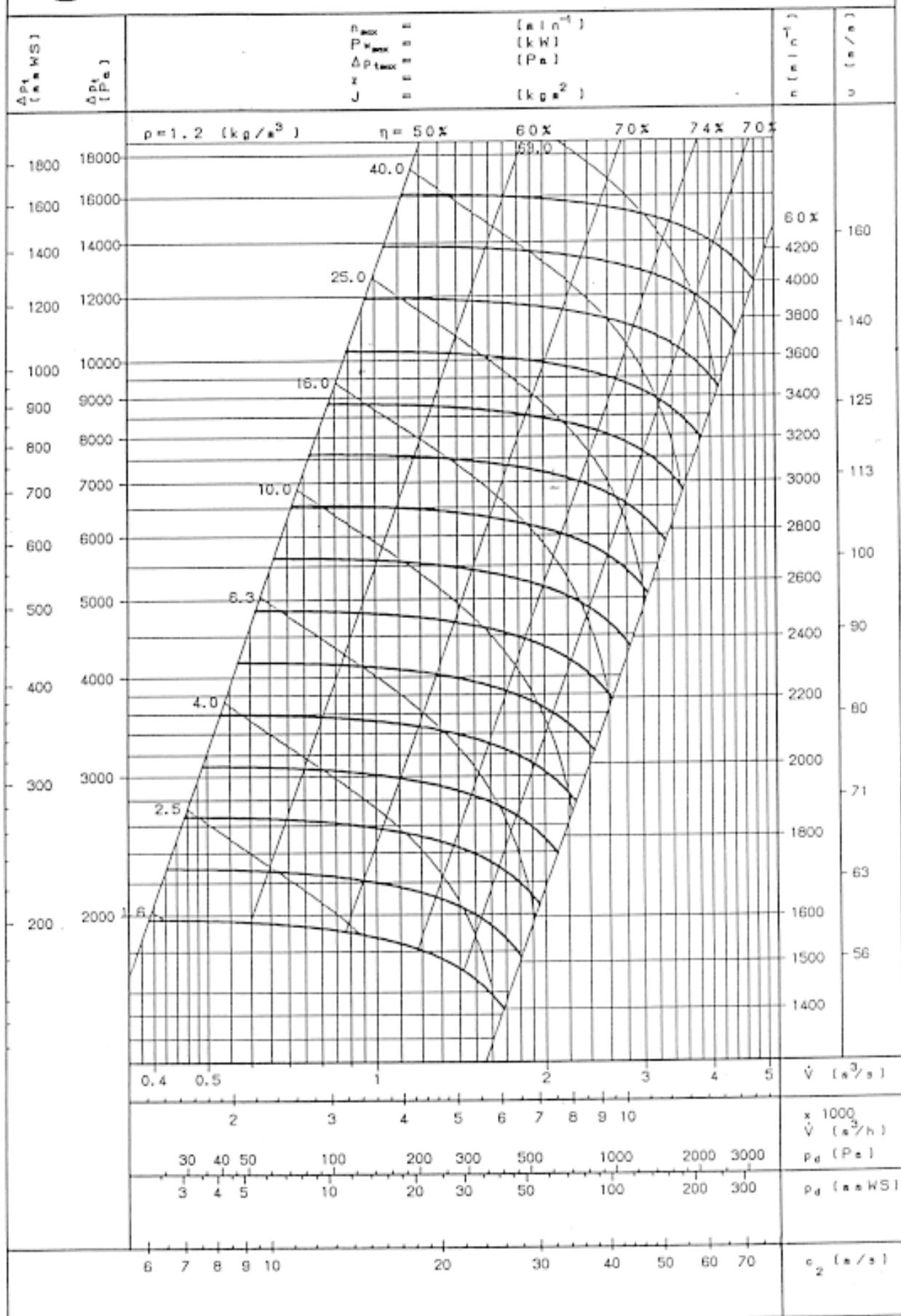
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DP 710/5





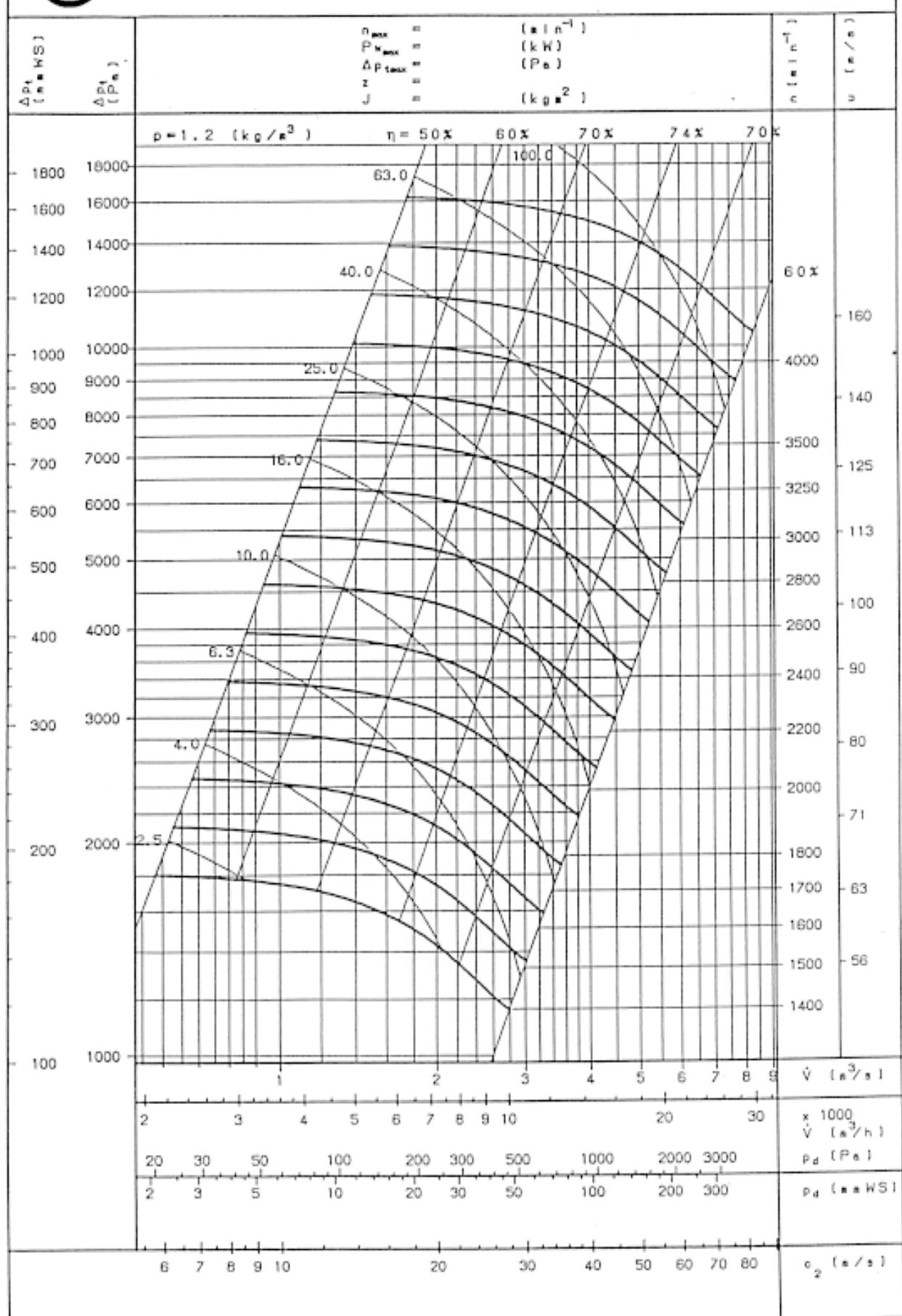
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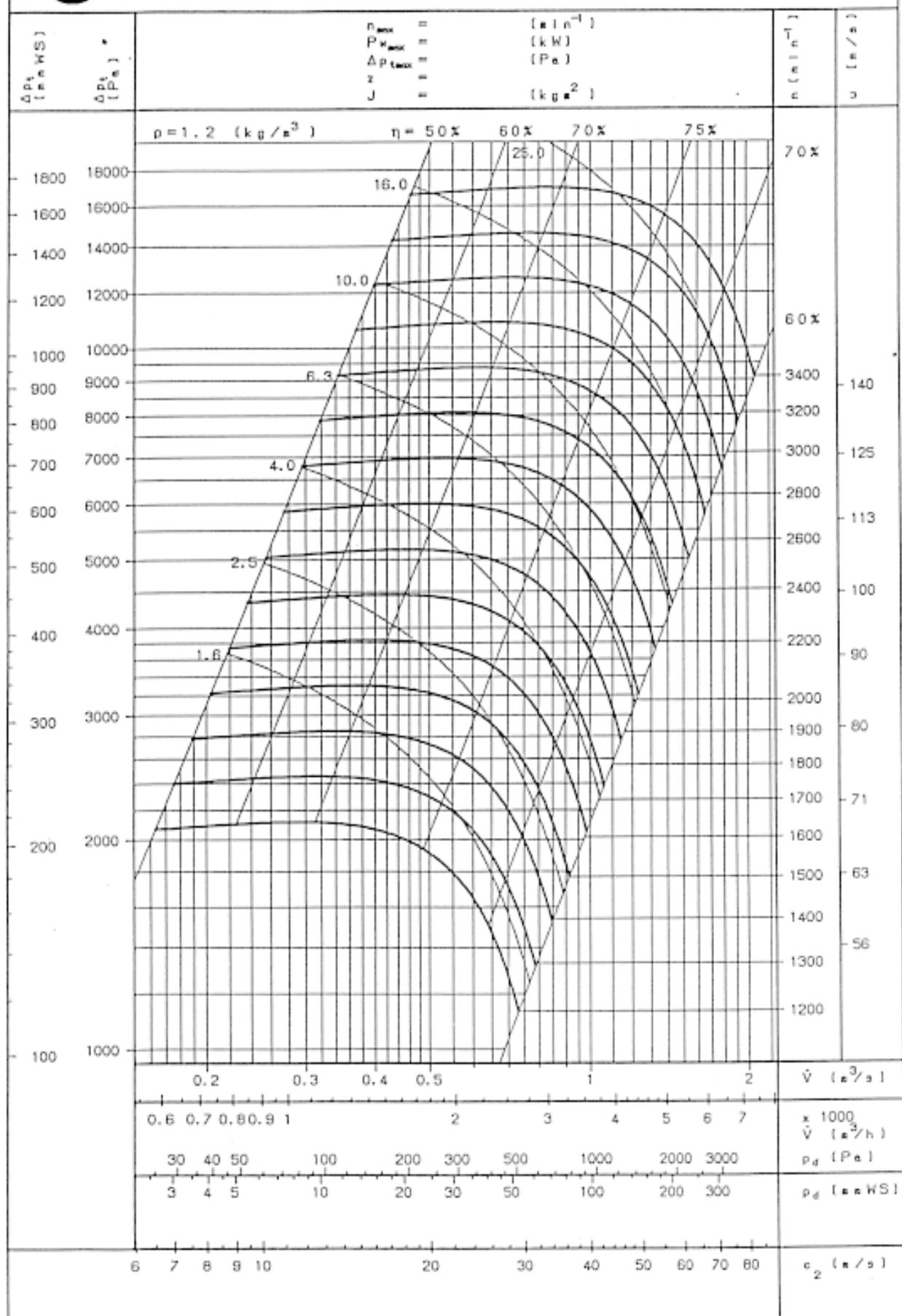
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DP 710/8





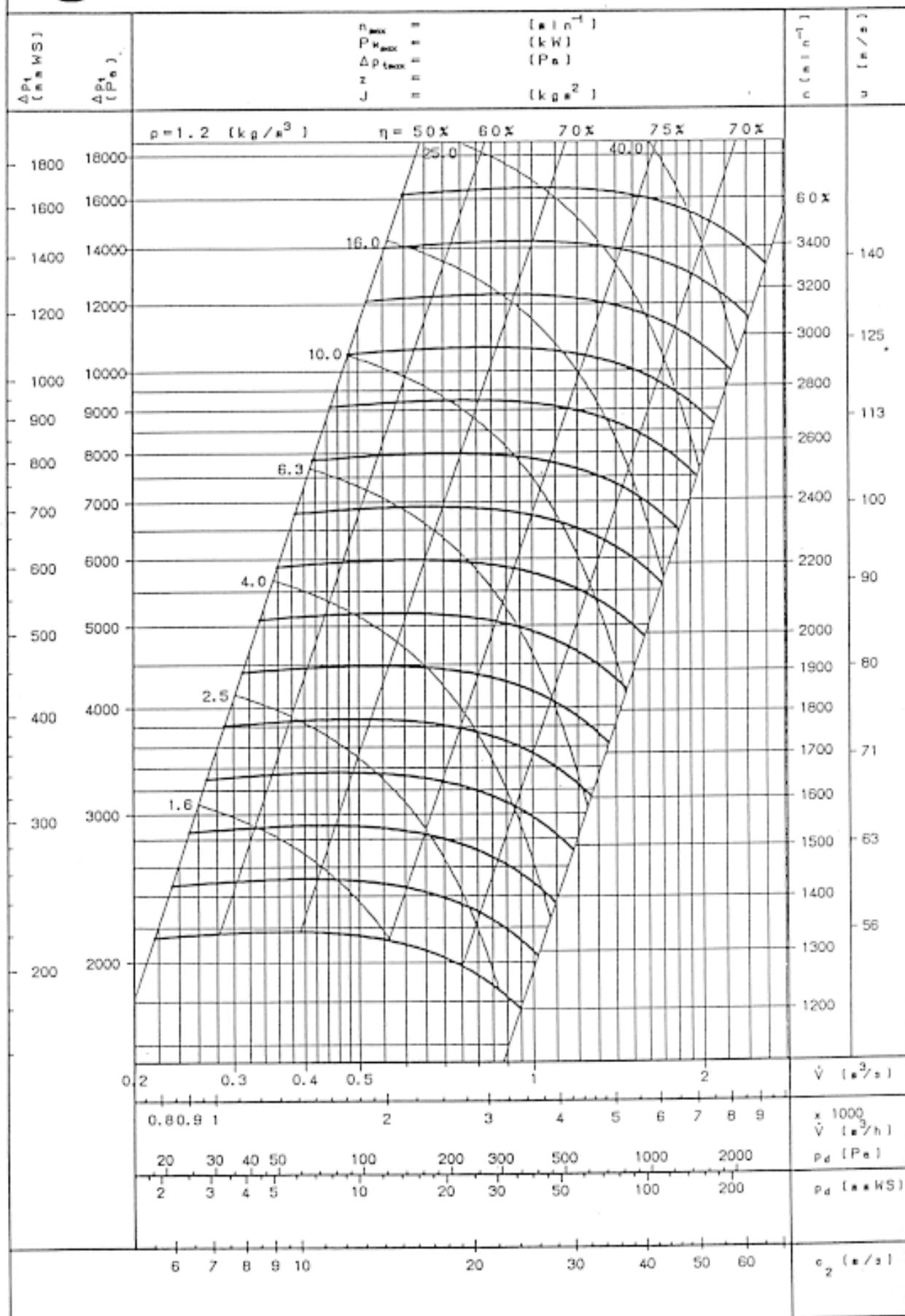
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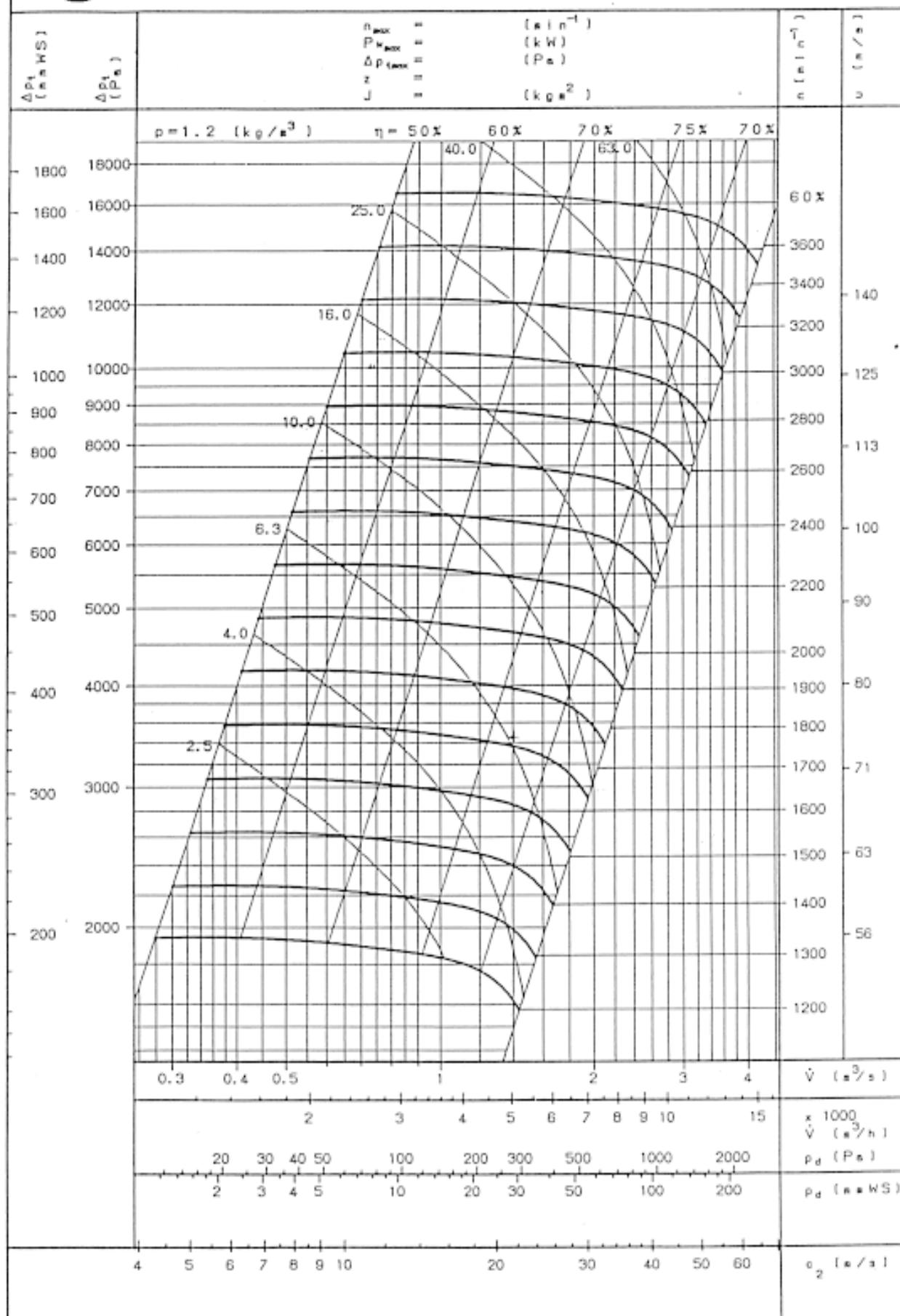
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DP 800/5





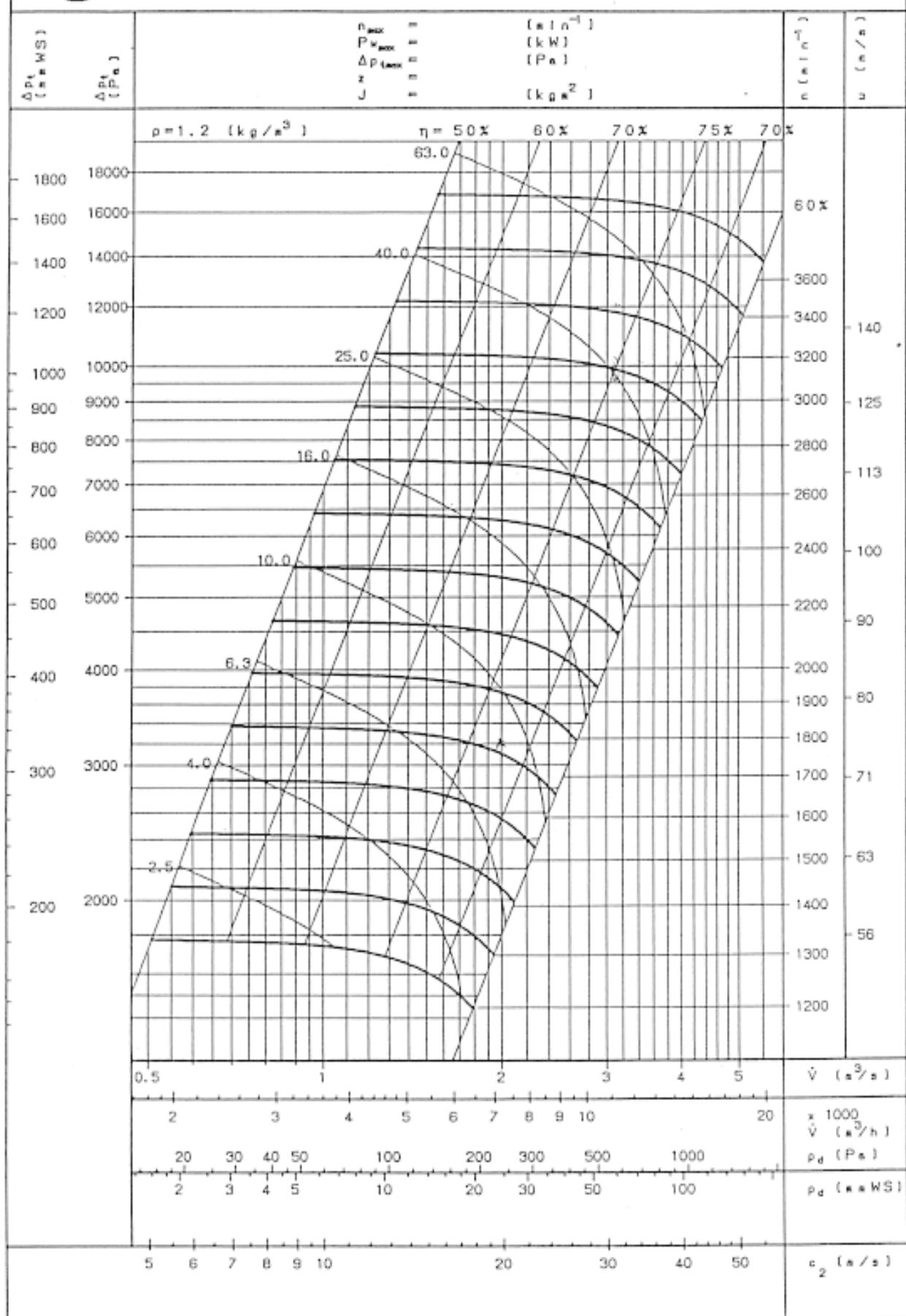
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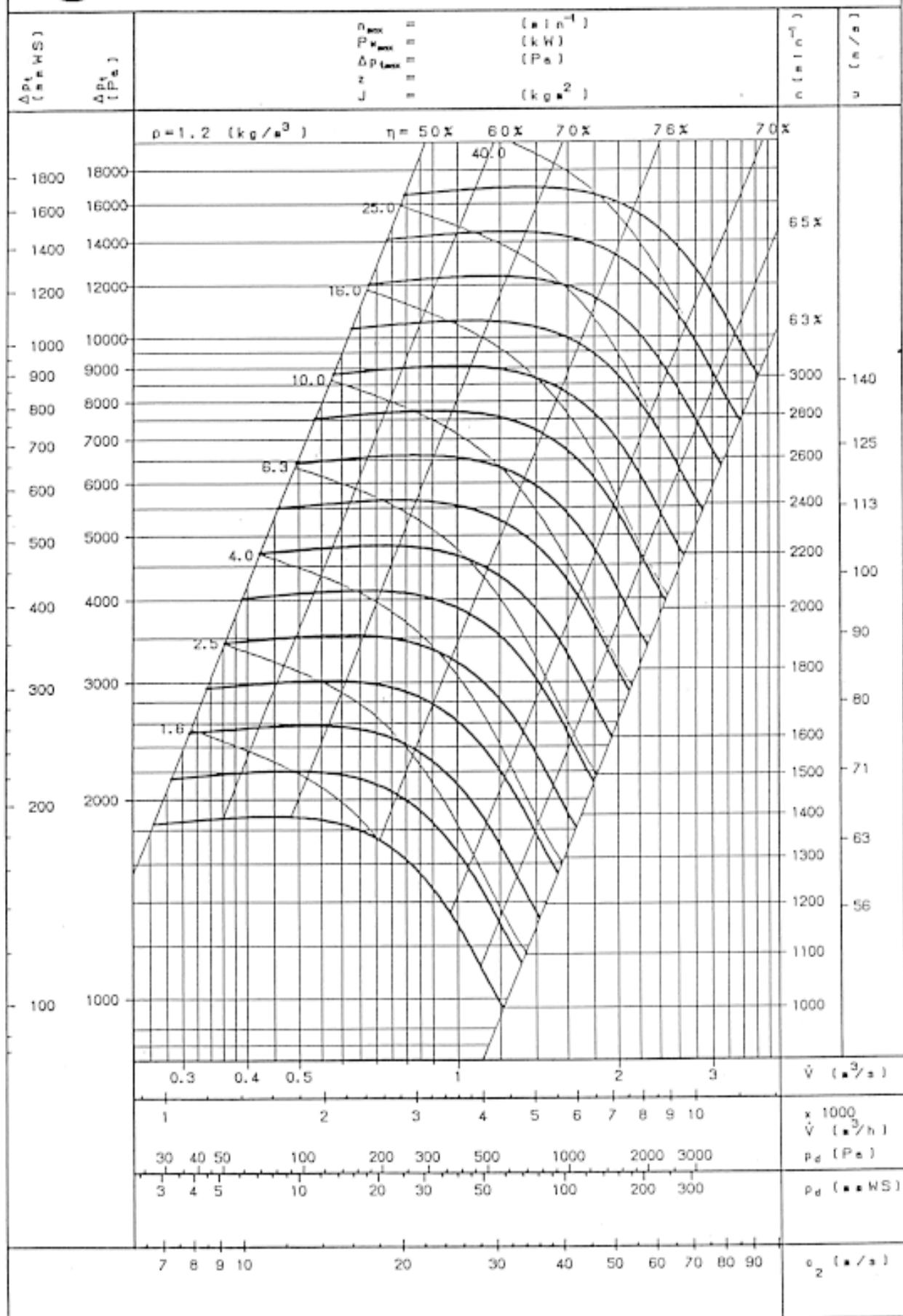
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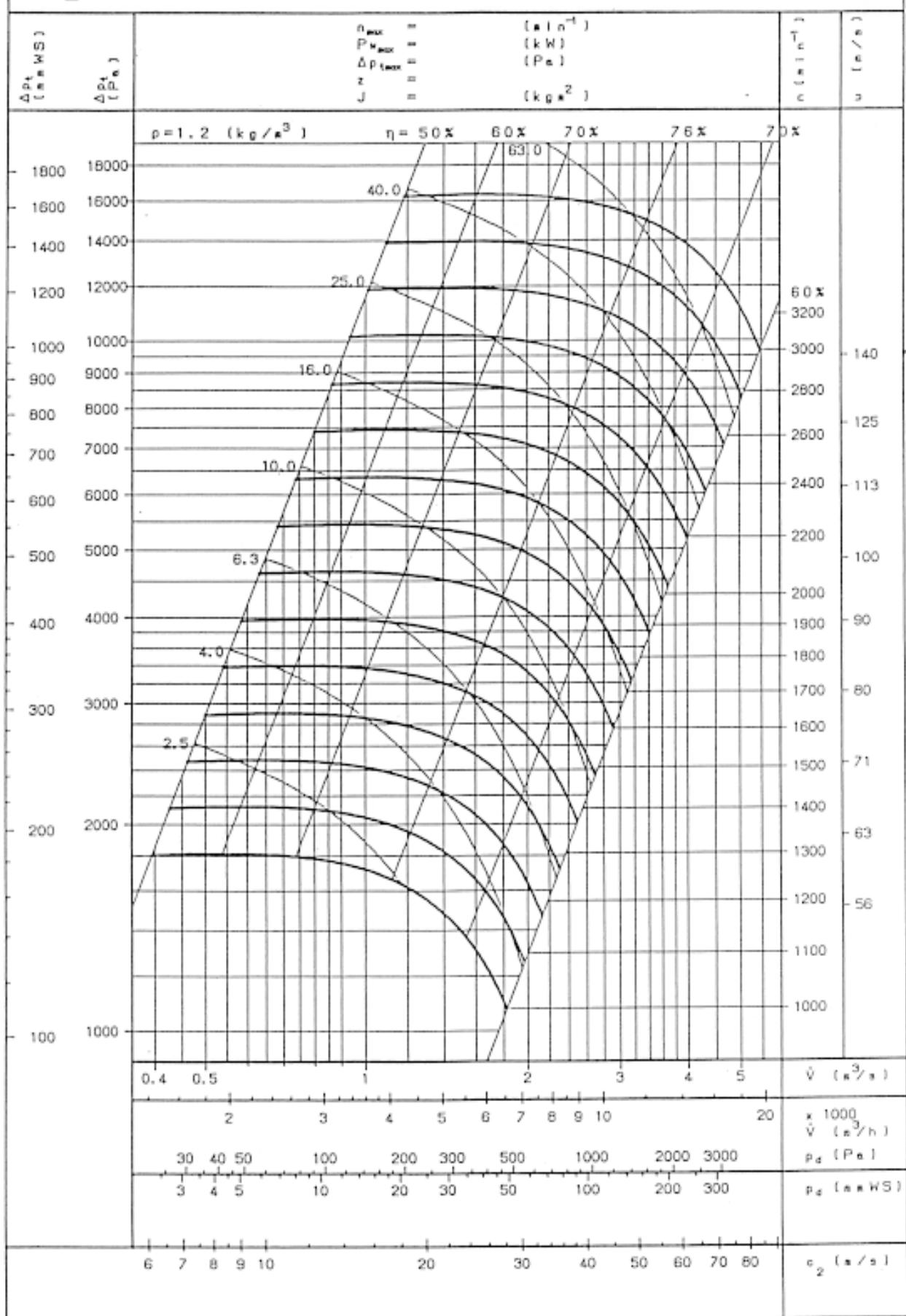
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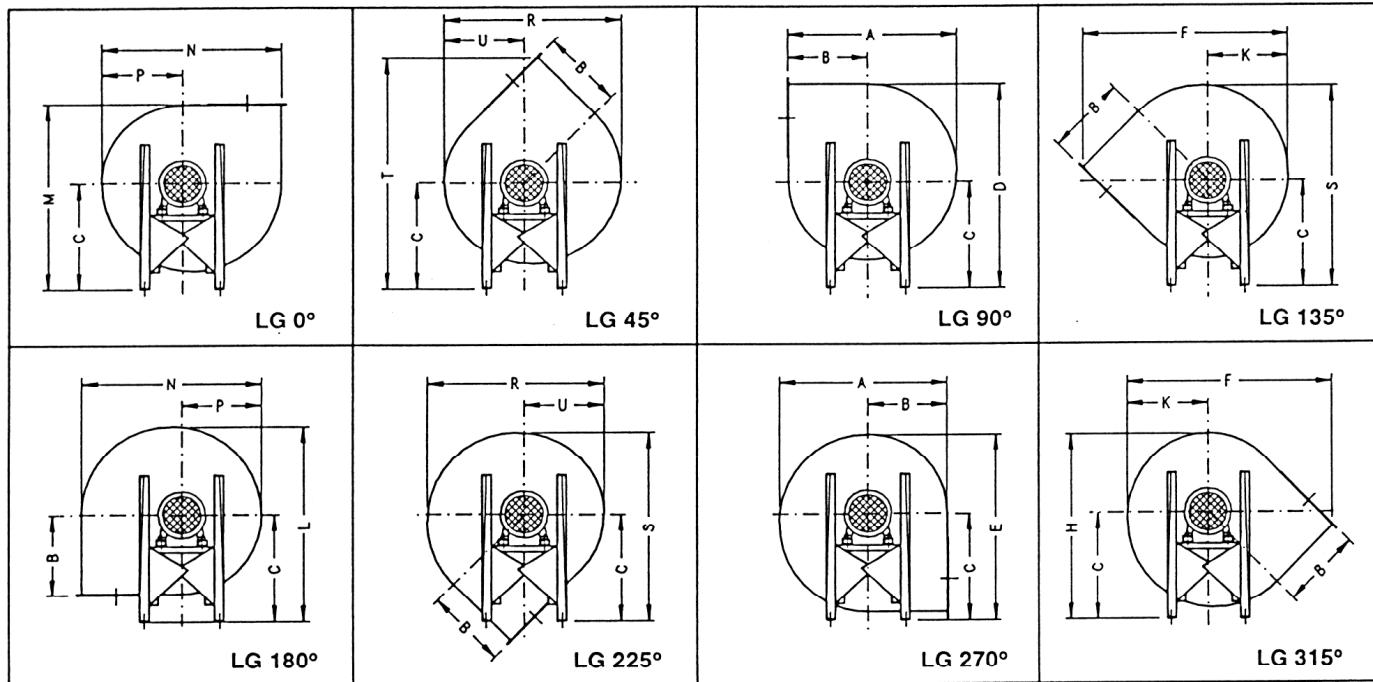




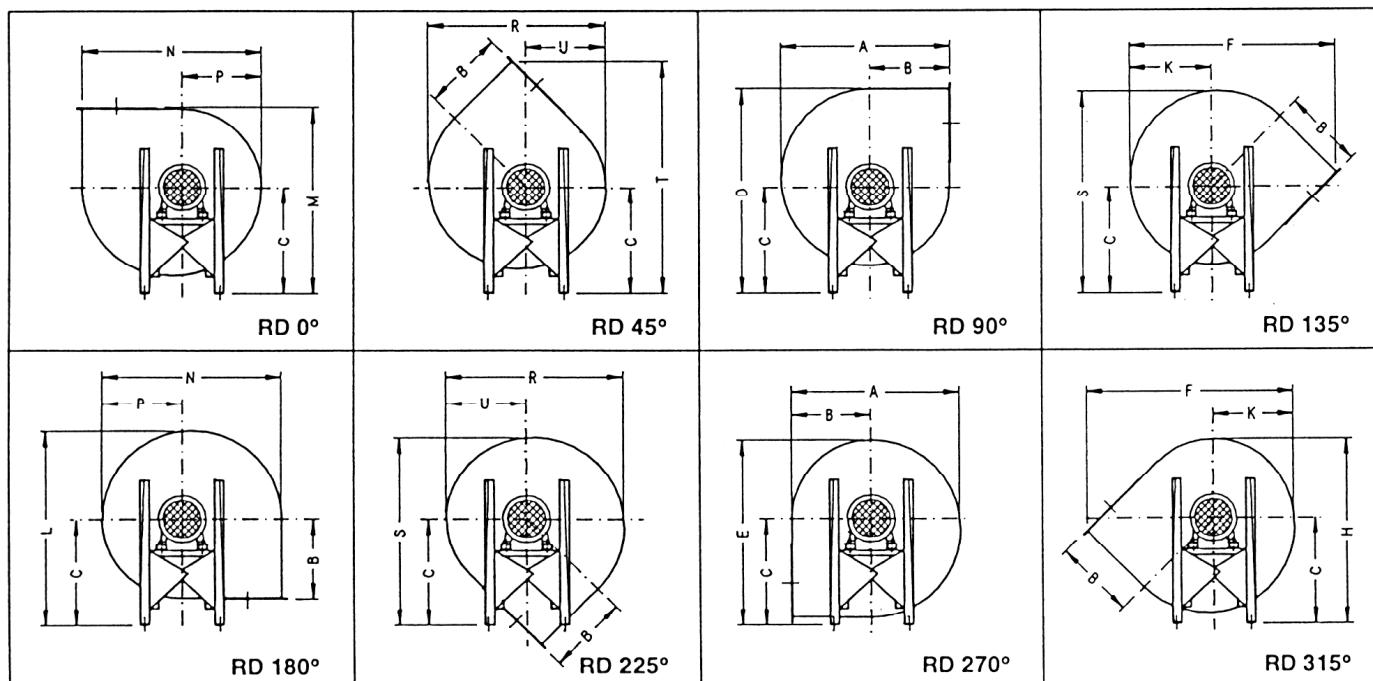
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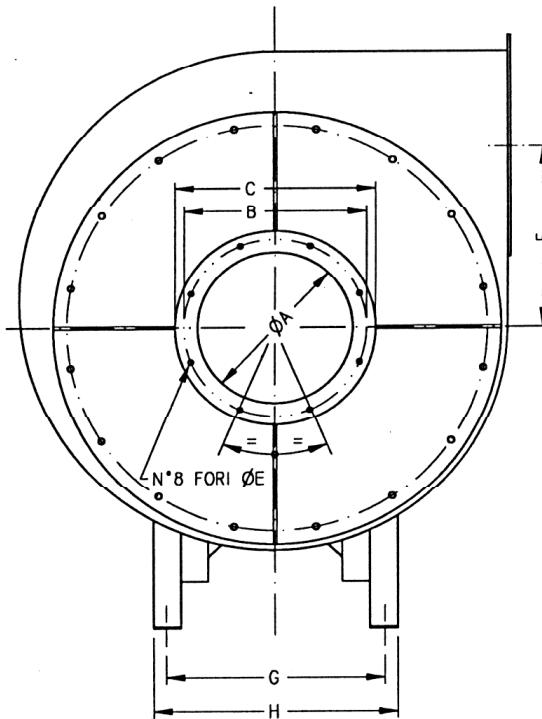
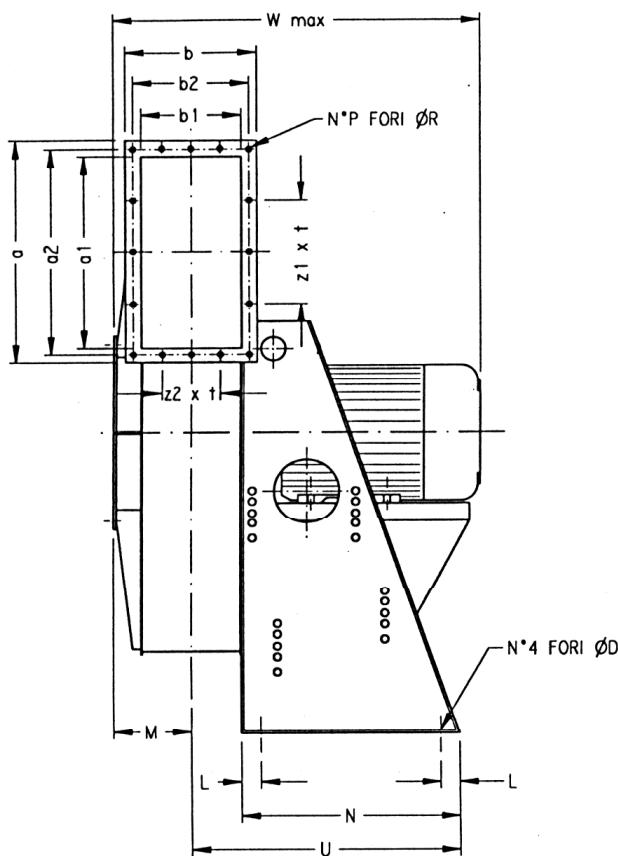
DP 900/6





	A	B	C	D	E	F	G	H	K	L	M	N	P	R	S	T	U
450	637	299	466	840	767	788	829	767	311	804	771	695	301	663	778	944	301
500	706	332	466	882	800	874	868	799	344	841	804	749	333	736	811	996	333
560	790	371	565	1030	938	977	1015	938	385	984	942	837	373	938	950	1157	373
630	887	417	565	1087	984	1098	1071	984	432	1035	988	941	419	984	997	1230	419
710	1000	470	798	1386	1269	1235	1367	1269	486	1327	1274	1058	471	1040	1285	1546	471
800	1125	529	798	1460	1328	1390	1438	1328	547	1394	1333	1191	530	1170	1345	1640	530
900	1264	594	798	1542	1393	1562	1518	1393	615	1467	1398	1339	596	1315	1413	1745	595





TIPO	GRANDEZZA MOTORF MASSIMA	A	B	C	D	E	F	G	H	L	M	N	P	R	U	W	a	b	a1	b1	a2	b2	z1	z2	t	J kgm ²	PESO kg	
450	/2	90	106	136	160	13	8	287	350	386	34	88	343	8	10	389	445	220	145	160	85	196	121	0	0	0.23	71	
	/3	100	140	182	214	13	8	277	350	386	34	104	343	8	10	394	540	240	155	180	95	216	131	0	0	0.27	78	
	/4	112	182	219	254	13	10	255	350	386	34	112	343	8	12	402	550	284	172	224	112	260	148	0	0	0.26	90	
	/5	112	223	265	298	13	10	227	350	386	34	127	343	10	12	416	585	340	200	280	140	316	176	1	0	125	0.33	93
500	/2	100	106	136	160	13	8	328	350	386	34	88	343	8	10	389	515	220	145	160	85	196	121	0	0	0.33	90	
	/3	100	140	182	214	13	8	318	350	386	34	104	343	8	10	394	540	240	155	180	95	216	131	0	0	0.38	95	
	/4	112	182	219	254	13	10	296	350	386	34	112	343	8	12	402	560	284	172	224	112	260	148	0	0	0.38	100	
	/5	132	223	265	298	13	10	268	350	386	34	127	343	10	12	416	665	340	200	280	140	316	176	1	0	125	0.47	130
560	/3	132	140	182	214	15	8	367	414	460	35	104	400	8	10	451	600	240	155	180	95	216	131	0	0	0.58	135	
	/4	132	182	219	254	15	10	345	414	460	35	112	400	8	12	459	615	284	172	224	112	260	148	0	0	0.58	150	
	/5	160	223	265	298	15	10	317	414	460	35	127	400	10	12	473	805	340	200	280	140	316	176	1	0	125	0.69	180
	/6	160	282	332	365	15	10	277	414	460	35	147	400	10	12	493	845	430	250	360	180	396	216	1	0	125	0.68	175
630	/3	132	140	182	214	15	8	423	414	460	35	104	400	8	10	451	600	240	155	180	95	216	131	0	0	0.89	160	
	/4	160	182	219	254	15	10	401	414	460	35	112	400	8	12	459	755	284	172	224	112	260	148	0	0	0.90	185	
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	/6	160	282	332	365	15	10	333	414	460	35	147	400	10	12	493	825	430	250	360	180	396	216	1	0	125	1.04	210
710	/4	160	182	219	254	17	10	467	652	696	41	112	630	8	12	690	755	284	172	224	112	260	148	0	0	0	1.58	270
	/5	200	223	265	298	17	10	439	652	696	41	127	630	10	12	704	860	340	200	280	140	316	176	1	0	125	1.79	330
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	/8	250	362	405	440	17	10	355	652	696	41	169	630	16	12	745	1050	528	304	448	224	492	268	3	1	125	2.19	450
800	/4	200	182	219	254	17	10	539	652	696	41	113	630	8	12	690	810	284	172	224	112	260	148	0	0	0	2.43	360
	/5	225	223	265	298	17	10	511	652	696	41	128	630	10	12	704	940	340	200	280	140	316	176	1	0	125	2.77	440
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	/8	280	362	405	440	17	10	427	652	696	41	170	630	16	12	746	1150	528	304	448	224	492	268	3	1	125	3.30	580
900	/5	280	223	265	298	17	10	594	652	696	41	128	630	10	12	704	1294	340	200	280	140	316	176	1	0	125	4.30	590
	/6	280	282	332	365	17	10	553	652	696	41	148	630	10	12	724	1314	430	250	360	180	396	216	1	0	125	4.98	650

- PESO VENTILATORE IN kg (COMPLETO DI MOTORE)

SOUND PRESSURE LEVEL FOR FANS SERIES DP

The graphic allows to quickly determine the medium sound pressure level measured at 1,5 m in free field for the fans of the series "DP".

- 1) Trace a line through the volume Q and the total pressure Δp , till you reach the vertical line of the graphic (point A).
- 2) From the point A trace an horizontal line
- 3) The traced horizontal line will touch the vertical line on the point B, where you read the sound pressure level for the requested fan.

Example: Sound pressure level for a DP fan with Q 4 m³/s and total pressure of 7848 Pa. The sound pressure level at 1,5 m is approx 96 dB (A).

