



HEAVY DUTY FANS FOR INDUSTRIAL APPLICATIONS





OUR COMMITMENT TO THE ENVIRONMENT

Sodeca has begun a new stage of study and design of new trends in ventilation which will help to preserve the environment and to make the energy saving which so much concerns today's society.



EFFICIENT WORK

SODECA is pleased to present its new efficient, **high performance "Efficient Work"** fans, equipped with high-tech motors for greater energy savings. These new products exceed the requirements of the Ecodesign ErP Directive of 2009/125/CE and the (EU) regulation 327/2011 governing fans and adhere to the KYOTO goals adopted by the EU for cutting greenhouse gas emissions.

SODECA has concentrated its activity on the production of industrial fans, ventilation systems and extractors for the removal of smoke in case of fire since 1983, when it was founded.

SODECA's fans and extractors are present in all European countries and in many parts of the world, thanks to the quality of the product and the methods of research and development used.

Our quality procedures used and certified by BUREAU VERITAS, in accordance with ISO 9001:2008, are another of the reasons which make **SODECA** one of the best and most renowned fan manufacturers in Europe.

Without a doubt, the most important factor to achieve our objectives is the human factor, the great professionals who work at your service, offering not only ventilation equipment but also solutions to any ventilation need required by our customers.

We offer you the possibility of visiting our facilities in Sant Quirze de Besora, with over 16,000² square metres of built area, where you will be able to see our fan manufacture with the highest standards of quality, complying with the ISO and AMCA standards.

This catalogue is only a small part of our possibilities. Do not hesitate to contact us. We will put all our experience and our human resources at your disposal.



SODECA S.L.U. main facilities in SANT QUIRZE DE BESORA



HEAVY DUTY FANS FOR INDUSTRIAL APPLICATIONS



Sodeca has specialised since its inception in the design and manufacture of fans and accessories for industrial applications.

The combination of our experience acquired over decades of working with fans and the technological contribution of our engineers in different departments has made it possible for Sodeca to become one of the largest manufacturers of industrial ventilation in the world.

Industrial applications demand the ability to adapt to the specifications of each project as well as manufacturing flexibility so as to satisfy the real needs of each client.

In order to meet this objective, Sodeca produces a range of Standard products and a range of specially manufactured products in order to build fans that adapt to the demands of our clients.



For many years we have been making a continuous investment in the development of internal processes and applications in order to manufacture and supply special industrial fans within a very short design and production period.

Teamwork in our engineering department, our work with universities and technological centres, as well as the close collaboration between the design departments of our external partners makes it possible to achieve innovative solutions in industrial ventilation in a short period of time.



Throughout our history, we have developed every kind of technology in fans for industrial applications, which are currently used all over the world. It is our objective to continue to invest in this sector so as to remain at the forefront of the world's most respected industrial fan manufacturers.

SELECTION
SOFTWARE



NEW TOOLS FOR ENGINEERING AND TECHNICAL DEPARTMENTS

PREPARE TECHNICAL

NEW
PROJECT
MODULE

REPORTS IN MINUTES

QUICKFAN

SODECA SELECTOR

PROJECT MODULE: **new function** for drafting
technical reports in minutes

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- . Upload your mass data into Excel
- . Edit and manage technical data sheets
- . Print your report with index and front cover, edit it or
send it to another QuickFan



EASY
SEARCH



CUSTOMISED
REPORTS



ALWAYS
UP TO DATE



REPORTS
IN MINUTES

3D

SODECA



FANS
3D CAD

40

FORMATS
AVAILABLE



ALWAYS
UP TO DATE



REPORTS
IN MINUTES

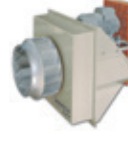
MODELS EN 3D CAD:

- . Download our fans in 3D CAD
from our website
- . Choose from more than 40 available CAD formats
- . Including Revit
- . More than 2,000 models and configurations available



GENERAL INDEX

CENTRIFUGAL FANS. HEAVY DUTY FANS

CMRS  Robust, centrifugal, single inlet, medium pressure fans with backward curved impeller 6	CASB  Robust, centrifugal, single inlet, high pressure fans with sheet steel casing and impeller 12	CAB  Robust, centrifugal, single inlet, high pressure fans with sheet steel casing and impeller 18	CMRS-X  Belt-driven centrifugal fans with belt and pulley guard to ISO 13857 23
CASB-X  Belt-driven, high pressure centrifugal fans with belt and pulley guard to ISO 13857 31	CMRH  Belt-driven centrifugal fans with belt and pulley guard to ISO 13857 and 150mm of insulation 40		

AXIAL FANS HEAVY DUTY FANS

HFW  Hot galvanised cased fans 45	HTP  Cased high-pressure axial extractors 50	HBA  Forked long cased axial fans 56	HPX/SEC  Fans for extreme conditions in furnaces and driers 58
HGT  Large diameter long cased axial fans with direct drive motor 60	HGTX  Large diameter long cased axial fans with external motor 60		

OTHER PRODUCTS

CAM  Centrifugal high-pressure fans with cast aluminium impeller	CMP  Centrifugal medium-pressure fans with sheet steel impeller	CMR  Robust centrifugal medium-pressure fans fitted with backward-curved impeller	CA  Centrifugal high-pressure fans with cast aluminium impeller	CAS	CAS-S  Centrifugal high-pressure fans made from sheet steel with built-in noise reducer
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See technical features in relevant catalogues

CMRS



Robust, centrifugal, single inlet, medium pressure fans with backward curved impeller

Fan:

- Steel scroll housing
- Backward curved, robust steel impeller, designed to transport clean air or air with minimal amounts of small particles
- Direct drive motor

Motor:

- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 120°C

On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 250°C
- Stainless steel construction
- ATEX certification, category 2
- IE2 and IE3 efficiency motors assembled on any unit

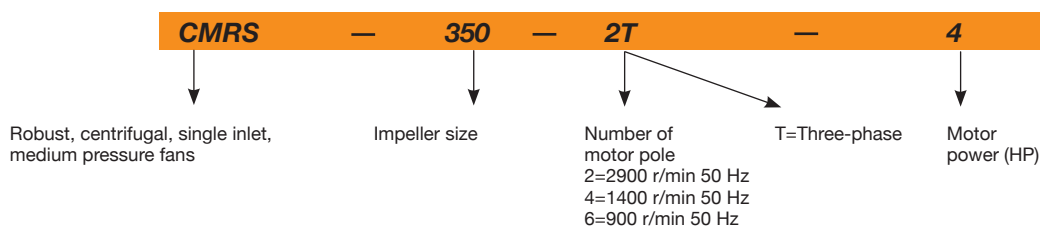
Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190°C after phosphate free pre-treatment



High-performance and robust backward-curved impeller.

Order code



Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Maximum airflow (m ³ /h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CMRS-350-2T-4	2900	10.18	5.88		3.00	7750	77	77
CMRS-350-4T-0.5	1380	1.84	1.06		0.37	3900	65	50
CMRS-400-2T-5.5	2880	13.30	7.63		4.00	9700	79	98
CMRS-400-2T-7.5	2920		10.40	6.00	5.50	12100	82	107
CMRS-400-4T-0.75	1420	2.28	1.31		0.55	5400	67	69
CMRS-450-2T-10	2935		13.90	8.06	7.50	13600	83	141
CMRS-450-2T-15	2950		20.10	11.70	11.00	17200	84	198
CMRS-450-4T-1	1410	3.10	1.79		0.75	6850	69	78
CMRS-450-4T-1.5	1420	4.33	2.50		1.10	7700	70	84
CMRS-500-2T-20	2950		27.10	15.70	15.00	19400	88	231
CMRS-500-2T-25	2950		33.30	19.30	18.50	24300	89	250
CMRS-500-4T-2	1430	5.96	3.44		1.50	9750	71	117
CMRS-500-4T-3	1445	8.36	4.83		2.20	10850	72	129
CMRS-500-6T-0.75	910	2.59	1.49		0.55	6900	61	107
CMRS-560-4T-4	1445	10.96	6.33		3.00	13600	73	148
CMRS-560-4T-5.5	1440	14.10	8.12		4.00	17300	73	160
CMRS-560-6T-1	945	3.90	2.20		0.75	8650	62	129
CMRS-560-6T-1.5	945	4.88	2.82		1.10	9650	65	135
CMRS-630-4T-7.5	1460		10.60	6.10	5.50	19100	75	193
CMRS-630-4T-10	1465		13.90	8.06	7.50	24600	75	227
CMRS-630-6T-2	955	6.42	3.71		1.50	12200	66	167
CMRS-630-6T-3	955	9.30	5.30		2.20	15350	68	177
CMRS-710-4T-15	1470		20.70	12.00	11.00	27550	78	352
CMRS-710-4T-20	1470		28.40	16.50	15.00	34900	78	377
CMRS-710-6T-4	960	11.90	6.80		3.00	17200	70	276
CMRS-710-6T-5.5	960	16.50	9.46		4.00	21700	71	287
CMRS-800-4T-25	1470		34.90	20.20	18.50	38250	81	480
CMRS-800-4T-30	1470		40.90	23.70	22.00	48250	83	503

Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Maximum airflow (m ³ /h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CMRS-800-6T-7.5	965		12.30	7.10	5.50	24400	74	357
CMRS-800-6T-10	975		14.70	8.52	7.50	30900	74	412
CMRS-900-4T-50	1480		65.60	38.00	37.00	54300	85	810
CMRS-900-4T-60	1480		79.40	46.00	45.00	69550	85	849
CMRS-900-6T-15	975		21.50	12.50	11.00	34650	76	521
CMRS-900-6T-20	975		28.00	16.20	15.00	42600	76	583
CMRS-1000-4T-75	1480		96.90	56.20	55.00	76650	87	1082
CMRS-1000-4T-100	1485		130.00	75.40	75.00	96150	88	1319
CMRS-1000-6T-25	980		35.20	20.40	18.50	48750	77	783
CMRS-1000-6T-30	980		41.70	24.20	22.00	61800	78	810
CMRS-1120-6T-40	985		54.20	31.40	30.00	71500	80	1081
CMRS-1120-6T-50	985		66.60	38.60	37.00	85950	80	1261
CMRS-1250-6T-75	990		102.00	59.10	55.00	98300	83	1618
CMRS-1250-6T-100	990		136.00	78.80	75.00	121200	84	1947
CMRS-1400-6T-125	990		163.00	94.50	90.00	142150	87	2328
CMRS-1400-6T-150	992		199.00	115.00	110.00	173400	88	2476



Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ηe[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
	S Static	[kW]	Electric power
VSD	T Total	[m ³ /h]	Airflow
SR	Variable speed drive	[mmH ₂ O]	Static or total pressure (According to EC)
	Specific ratio	[RPM]	Speed

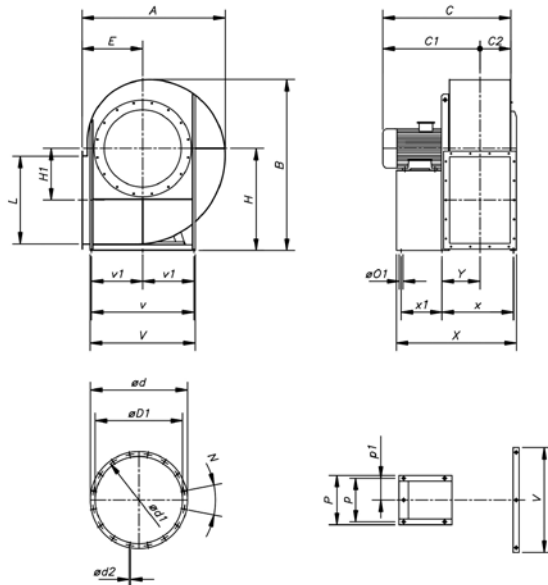
Model	MC	EC	VSD	SR	ηe (%)	N	(kW)	(m ³ /h)	(mmH ₂ O)	(RPM)
CMRS-350-2T-4	B	T	NO	1.01	68.9%	74.1	3.22	5375	151.37	2909
CMRS-350-4T-0.5	B	T	NO	1.00	51.4%	66.0	0.41	2077	37.03	1410
CMRS-400-2T-5.5	B	T	NO	1.02	71.0%	74.6	4.54	7095	166.64	2883
CMRS-400-2T-7.5	B	T	NO	1.02	64.3%	66.9	5.69	6843	196.27	2928
CMRS-400-4T-0.75	B	T	NO	1.00	57.9%	70.1	0.70	3653	40.80	1425
CMRS-450-2T-10	B	T	NO	1.02	69.5%	70.4	8.23	9917	211.65	2935
CMRS-450-2T-15	B	T	NO	1.03	69.3%	69.5	9.46	9179	261.99	2960
CMRS-450-4T-1	B	T	NO	1.00	67.6%	78.5	0.90	5106	43.87	1414
CMRS-450-4T-1.5	B	T	NO	1.01	61.4%	71.1	1.20	4557	59.25	1429
CMRS-500-2T-20	B	T	NO	1.02	72.1%	71.8	14.09	14752	252.78	2956
CMRS-500-2T-25	B	T	NO	1.03	73.8%	73.3	17.06	14514	318.32	2957
CMRS-500-4T-2	B	T	NO	1.01	68.4%	76.6	1.68	6605	63.93	1435
CMRS-500-4T-3	B	T	NO	1.01	64.3%	71.2	2.22	6865	76.33	1453
CMRS-500-6T-0.75	B	T	NO	1.00	57.8%	70.1	0.67	4520	31.68	922
CMRS-560-4T-4	B	T	NO	1.01	68.5%	73.6	3.27	10166	80.96	1449
CMRS-560-4T-5.5	B	T	NO	1.01	63.4%	67.8	3.86	10373	86.71	1450
CMRS-560-6T-1	B	T	NO	1.00	62.9%	74.1	0.84	6860	28.36	953
CMRS-560-6T-1.5	B	T	NO	1.00	58.4%	67.9	1.24	6860	38.87	951
CMRS-630-4T-7.5	B	T	NO	1.01	69.8%	72.2	5.93	14449	105.24	1462
CMRS-630-4T-10	B	T	NO	1.01	69.5%	71.6	6.19	12133	130.02	1474
CMRS-630-6T-2	B	T	NO	1.00	59.6%	67.9	1.64	8230	43.60	961
CMRS-630-6T-3	B	T	NO	1.00	63.1%	70.0	2.21	11941	42.93	963
CMRS-710-4T-15	B	T	NO	1.01	69.2%	69.2	10.09	17818	143.77	1475
CMRS-710-4T-20	B	T	NO	1.02	67.6%	67.7	10.30	14917	171.44	1481
CMRS-710-6T-4	B	T	NO	1.01	67.9%	73.1	3.16	12584	62.51	965
CMRS-710-6T-5.5	B	T	NO	1.01	66.1%	70.7	3.69	12910	69.32	969
CMRS-800-4T-25	B	T	NO	1.02	76.0%	75.4	18.44	28002	183.75	1472
CMRS-800-4T-30	B	T	NO	1.02	71.9%	71.2	19.69	25219	206.07	1475
CMRS-800-6T-7.5	B	T	NO	1.01	71.4%	74.1	5.62	17719	83.15	969
CMRS-800-6T-10	B	T	NO	1.01	73.9%	76.1	6.22	19365	87.19	981
CMRS-900-4T-50	B	T	NO	1.02	72.2%	71.0	33.02	34349	254.74	1483
CMRS-900-4T-60	B	T	NO	1.03	70.2%	68.8	36.75	36275	260.99	1485
CMRS-900-6T-15	B	T	NO	1.01	78.2%	78.5	9.42	27074	99.84	980
CMRS-900-6T-20	B	T	NO	1.01	67.6%	67.6	10.60	22448	117.22	984
CMRS-1000-4T-75	B	T	NO	1.03	73.8%	72.0	54.83	53731	276.32	1481
CMRS-1000-4T-100	B	T	NO	1.03	71.7%	69.7	63.44	53731	310.63	1488
CMRS-1000-6T-25	B	T	NO	1.01	73.1%	72.6	17.19	37016	124.62	983
CMRS-1000-6T-30	B	T	NO	1.01	76.8%	76.3	17.19	38047	127.35	985
CMRS-1120-6T-40	B	T	NO	1.02	73.1%	72.1	25.10	41891	160.68	988
CMRS-1120-6T-50	B	T	NO	1.02	76.2%	75.0	30.96	46933	184.42	988



Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe (%)	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
CMRS-1250-6T-75	B	T	NO	1.02	73.6%	72.1	42.86	55127	210.07	993
CMRS-1250-6T-100	B	T	NO	1.02	78.0%	76.2	52.11	65179	228.76	993
CMRS-1400-6T-125	B	T	NO	1.03	79.8%	77.7	74.23	83659	259.82	992
CMRS-1400-6T-150	B	T	NO	1.03	80.1%	77.6	97.25	99758	286.46	993

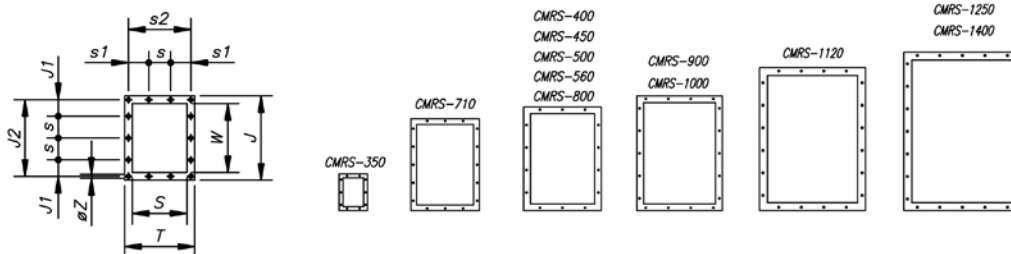
Dimensions in mm



	A	B	C	C1	C2	ØD1	Ød	Ød1	ØD2	E	H	H1	L	N	ØO1	P	p	P1	V	v	v1	X	x	x1	Y
CMRS-350-2T-4	595	745	610	481	129	360	450	405	10	255	450	215	361	8x45°	12	324	289	-	-	-	-	591	-	249	154
CMRS-350-4T-0.5	595	745	515	386	129	360	450	405	10	255	450	215	361	8x45°	10	225	203	-	-	-	-	511	-	156	176
CMRS-400-2T-5.5	660	830	680	534	146	405	491	448	10	285	500	243	404	8x45°	12	324	289	-	-	-	-	638	-	264	170
CMRS-400-2T-7.5	660	830	735	589	146	405	491	448	10	285	500	243	404	8x45°	12	372	337	-	-	-	-	688	-	314	170
CMRS-400-4T-0.75	660	830	570	424	146	405	491	448	10	285	500	273	404	8x45°	10	225	203	-	-	-	-	553	-	166	192
CMRS-450-2T-10	745	930	770	608	162	455	539	497	10	320	560	273	453	8x45°	12	372	337	-	-	-	-	722	-	314	188
CMRS-450-2T-15	745	930	860	698	162	455	539	497	10	320	560	273	453	12x30°	14	440	395	-	-	-	-	832	-	414	193
CMRS-450-4T-1	745	930	600	438	162	455	539	497	10	320	560	273	453	12x30°	10	225	203	-	-	-	-	587	-	166	210
CMRS-450-4T-1.5	745	930	640	478	162	455	539	497	10	320	560	273	453	12x30°	10	260	234	-	-	-	-	622	-	183	225
CMRS-500-2T-20	830	1010	900	718	182	505	597	551	10	360	600	301	507	12x30°	14	440	395	-	-	-	-	871	-	414	213
CMRS-500-2T-25	830	1010	900	718	182	505	597	551	10	360	600	301	507	12x30°	14	440	395	-	-	-	-	871	-	414	213
CMRS-500-4T-2	830	1010	680	498	182	505	597	551	10	360	600	301	507	12x30°	10	260	234	-	-	-	-	661	-	183	245
CMRS-500-4T-3	830	1010	715	533	182	505	597	551	10	360	600	301	507	12x30°	12	324	289	-	-	-	-	696	-	249	208
CMRS-500-6T-0.75	830	1010	640	458	182	505	597	551	10	360	600	301	507	12x30°	10	225	203	-	-	-	-	626	-	166	230
CMRS-560-4T-4	925	1125	718	511	207	566	692	629	10	400	670	331	569	12x30°	12	324	289	-	672	632	-	757	462	249	229
CMRS-560-4T-5.5	925	1125	758	551	207	566	692	629	10	400	670	331	569	12x30°	12	324	289	-	672	632	-	772	462	264	229
CMRS-560-6T-1	925	1125	683	476	207	566	692	629	10	400	670	331	569	12x30°	10	260	234	-	672	632	-	722	499	183	266
CMRS-560-6T-1.5	925	1125	683	476	207	566	692	629	10	400	670	331	569	12x30°	10	260	234	-	672	632	-	722	499	183	266
CMRS-630-4T-7.5	1040	1265	863	631	232	636	760	698	10	450	750	375	638	12x30°	12	372	337	-	762	702	-	873	513	314	255
CMRS-630-4T-10	1040	1265	863	631	232	636	760	698	10	450	750	375	638	12x30°	12	372	337	-	762	702	-	873	513	314	255
CMRS-630-6T-2	1040	1265	763	531	232	636	760	698	10	450	750	375	638	12x30°	12	324	289	-	762	702	-	808	513	249	255
CMRS-630-6T-3	1040	1265	803	571	232	636	760	698	10	450	750	375	638	12x30°	12	324	289	-	762	702	-	823	513	264	255
CMRS-710-4T-15	1165	1415	1002	744	258	716	834	775	12	500	850	431	715	12x30°	19	836	386	-	844	772	-	1047	609	372	318
CMRS-710-4T-20	1165	1415	1002	744	258	716	834	775	12	500	850	431	715	12x30°	19	836	386	-	844	772	-	1047	609	372	318
CMRS-710-6T-4	1165	1415	917	659	258	716	834	775	12	500	850	431	715	12x30°	19	836	386	-	844	772	-	938	609	263	318
CMRS-710-6T-5.5	1165	1415	917	659	258	716	834	775	12	500	850	431	715	12x30°	19	836	386	-	844	772	-	938	609	263	318
CMRS-800-4T-25	1300	1580	1167	877	290	806	916	861	12	560	950	482	801	16x22.5°	19	926	431	-	934	862	-	1178	671	441	349
CMRS-800-4T-30	1300	1580	1167	877	290	806	916	861	12	560	950	482	801	16x22.5°	19	926	431	-	934	862	-	1178	671	441	349
CMRS-800-6T-7.5	1300	1580	982	692	290	806	916	861	12	560	950	482	801	16x22.5°	19	926	431	-	934	862	-	1000	671	263	349
CMRS-800-6T-10	1300	1580	1067	777	290	806	916	861	12	560	950	482	801	16x22.5°	19	926	431	-	934	862	-	1109	671	372	349
CMRS-900-4T-50	1460	1765	1330	1009	321	906	1010	958	12	630	1060	543	898	16x22.5°	19	1026	962	481	1086	962	481	1238	731	441	379
CMRS-900-4T-60	1460	1765	1330	1009	321	906	1010	958	12	630	1060	543	898	16x22.5°	19	1026	962	481	1086	962	481	1238	731	441	379
CMRS-900-6T-15	1460	1765	1140	819	321	906	1010	958	12	630	1060	543	898	16x22.5°	19	1026	962	481	1086	962	481	1169	731	372	379
CMRS-900-6T-20	1460	1765	1240	919	321	906	1010	958	12	630	1060	543	898	16x22.5°	19	1026	962	481	1086	962	481	1238	731	441	379
CMRS-1000-4T-75	1645	1975	1470	1109	361	1007	1127	1067	12	710	1180	610	1007	16x22.5°	19	1128	1056	528	1188	1056	528	1375	803	500	413
CMRS-1000-4T-100	1645	1975	1640	1279	361	1007	1127	1067	12	710	1180	610	1007	16x22.5°	19	1128	1056	528	1188	1056	528	1465	803	590	413
CMRS-1000-6T-25	1645	1975	1285	924	361	1007	1127	1067	12	710	1180	610	1007	16x22.5°	19	1128	1056	528	1188	1056	528	1275	803	400	413
CMRS-1000-6T-30	1645	1975	1285	924	361	1007	1127	1067	12	710	1180	610	1007	16x22.5°	19	1128	1056	528	1188	1056	528	1275	803	400	413
CMRS-1120-6T-40	1855	2375	1494	1092	402	1128	1272	1200	12	800	1320	683	1130	24x15°	24	1268	1178	589	1348	1178	589	1421	926	415	481
CMRS-1120-6T-50	1855	2375	1560	1158	402	1128	1272	1200	12	800	1320	683	1130	24x15°	24	1268	1178	589	1348	1178	589	1481	926	475	481
CMRS-1250-6T-75	2080	2680	1805	1354	451	1260	1414	1337	12	900	1500	770	1267	24x15°	24	1400	1310	655	1480	1310	655	1668	1023	565	530
CMRS-1250-6T-100	2080	2680	1815	1364	451	1260	1414	1337	12	900	1500	770	1267	24x15°	24	1400	1310	655	1480	1310	655	1794	1023	691	530
CMRS-1400-6T-125	2315	3015	1925	1419	506	1420	1562	1491	12	1000	1700	854	1421	24x15°	24	1560	1450	725	1640	1450	725	1887	1152	645	604
CMRS-1400-6T-150	2315	3015	1925	1419	506	1420	1562	1491	12	1000	1700	854	1421	24x15°	24	1560	1450	725	1640	1450	725	1887	1152	645	604

Dimensions in mm

Outlet

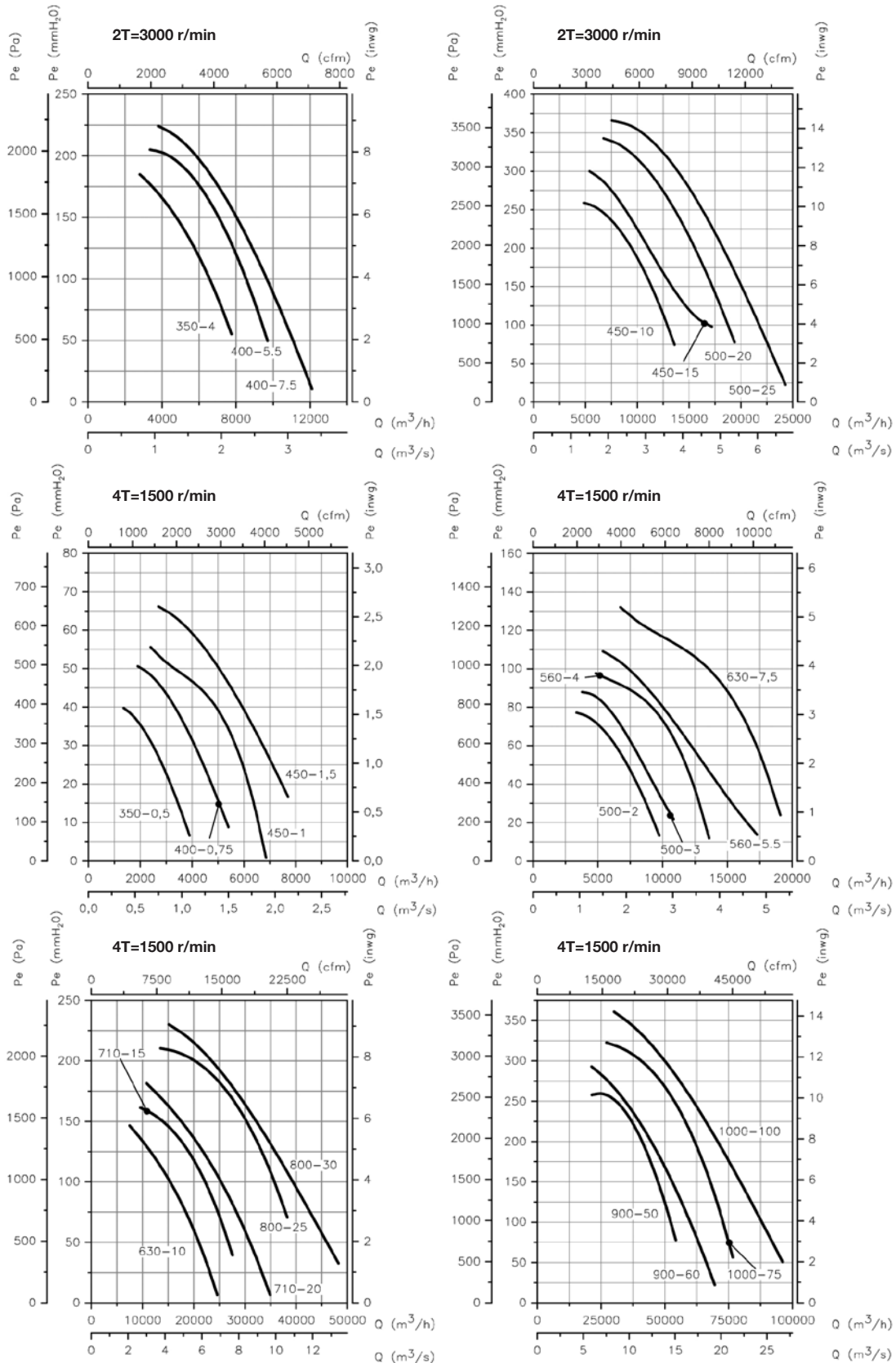


	T	J	J1	J2	S	s	s1	s2	W	ØZ
CMRS-350-2T-4	336	441	77.5	405	256	125	87.5	300	361	12
CMRS-350-4T-0.5	336	441	77.5	405	256	125	87.5	300	361	12
CMRS-400-2T-5.5	368	484	36.5	448	288	125	41	332	404	12
CMRS-400-2T-7.5	368	484	36.5	448	288	125	41	332	404	12
CMRS-400-4T-0.75	368	484	36.5	448	288	125	41	332	404	12
CMRS-450-2T-10	402	533	61	497	322	125	58	366	453	12
CMRS-450-2T-15	402	533	61	497	322	125	58	366	453	12
CMRS-450-4T-1	402	533	61	497	322	125	58	366	453	12
CMRS-450-4T-1.5	402	533	61	497	322	125	58	366	453	12
CMRS-500-2T-20	441	587	88	551	361	125	77.5	405	507	12
CMRS-500-2T-25	441	587	88	551	361	125	77.5	405	507	12
CMRS-500-4T-2	441	587	88	551	361	125	77.5	405	507	12
CMRS-500-4T-3	441	587	88	551	361	125	77.5	405	507	12
CMRS-500-6T-0.75	441	587	88	551	361	125	77.5	405	507	12
CMRS-560-4T-4	504	669	74.5	629	404	160	72	464	569	14
CMRS-560-4T-5.5	504	669	74.5	629	404	160	72	464	569	14
CMRS-560-6T-1	504	669	74.5	629	404	160	72	464	569	14
CMRS-560-6T-1.5	504	669	74.5	629	404	160	72	464	569	14
CMRS-630-4T-7.5	553	738	109	698	453	160	96.5	513	638	14
CMRS-630-4T-10	553	738	109	698	453	160	96.5	513	638	14
CMRS-630-6T-2	553	738	109	698	453	160	96.5	513	638	14
CMRS-630-6T-3	553	738	109	698	453	160	96.5	513	638	14
CMRS-710-4T-15	607	815	67.5	775	507	160	123.5	567	715	14
CMRS-710-4T-20	607	815	67.5	775	507	160	123.5	567	715	14
CMRS-710-6T-4	607	815	67.5	775	507	160	123.5	567	715	14
CMRS-710-6T-5.5	607	815	67.5	775	507	160	123.5	567	715	14
CMRS-800-4T-25	689	921	35.5	871	569	200	119.5	639	801	14
CMRS-800-4T-30	689	921	35.5	871	569	200	119.5	639	801	14
CMRS-800-6T-7.5	689	921	35.5	871	569	200	119.5	639	801	14
CMRS-800-6T-10	689	921	35.5	871	569	200	119.5	639	801	14
CMRS-900-4T-50	758	1018	84	968	638	200	54	708	898	14
CMRS-900-4T-60	758	1018	84	968	638	200	54	708	898	14
CMRS-900-6T-15	758	1018	84	968	638	200	54	708	898	14
CMRS-900-6T-20	758	1018	84	968	638	200	54	708	898	14
CMRS-1000-4T-75	835	1127	108.5	1017	715	200	92.5	785	1007	14
CMRS-1000-4T-100	835	1127	108.5	1017	715	200	92.5	785	1007	14
CMRS-1000-6T-25	835	1127	108.5	1017	715	200	92.5	785	1007	14
CMRS-1000-6T-30	835	1127	108.5	1017	715	200	92.5	785	1007	14
CMRS-1120-6T-40	941	1270	105	1210	801	200	140.5	881	1130	18
CMRS-1120-6T-50	941	1270	105	1210	801	200	140.5	881	1130	18
CMRS-1250-6T-75	1038	1407	73.5	1347	898	200	89	978	1267	18
CMRS-1250-6T-100	1038	1407	73.5	1347	898	200	89	978	1267	18
CMRS-1400-6T-125	1147	1561	150.5	1501	1007	200	143.5	1087	1421	18
CMRS-1400-6T-150	1147	1561	150.5	1501	1007	200	143.5	1087	1421	18

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

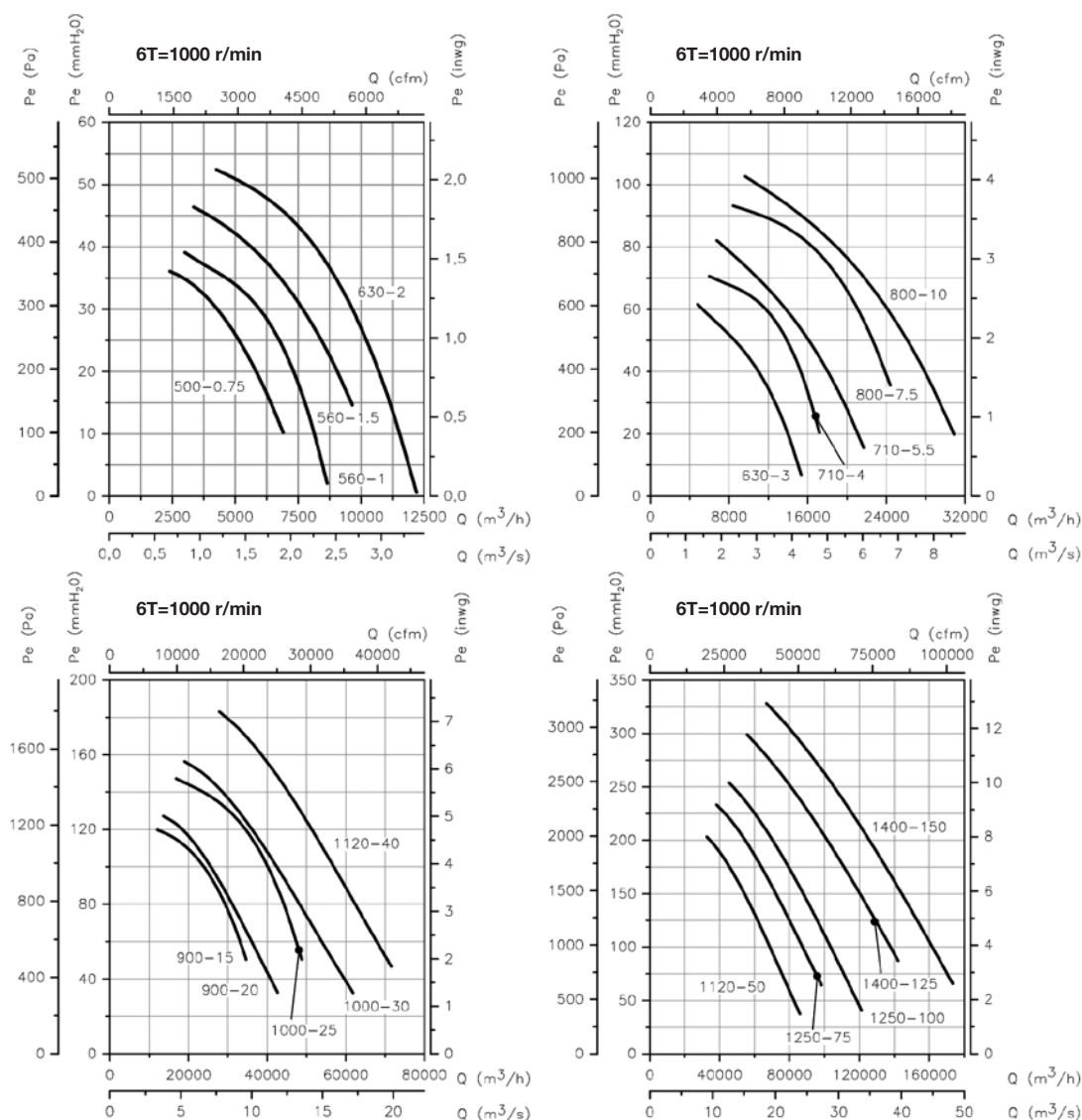
Pe = Static pressure in mmH₂O, Pa and inwg



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Fan Handings

Standard supply LG270, other handings on request.

Models 350 to 710 with adjustable handings. Special measurements in 180 and 225 handings.

Models 800 to 900 with adjustable handings. Special measurements except for position 315.

Models 1000 to 1400 are non-adjustable. Special measurements except for position 315.



Accessories

See accessories section.



CASB

Robust, centrifugal, single inlet, high pressure fans with sheet steel casing and impeller



Fan:

- Steel scroll housing
- Backward curved, robust steel impeller, designed to transport clean air or air with minimal amounts of small particles
- Direct drive motor

Motor:

- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 120°C

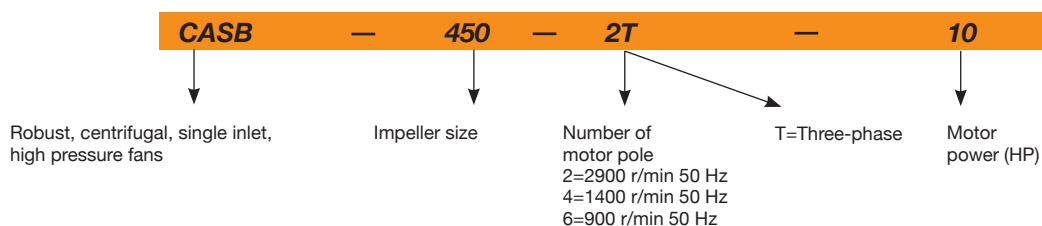
On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 250°C
- Stainless steel construction
- ATEX certification, category 2
- IE2 and IE3 efficiency motors assembled on any unit

Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190°C after phosphate free pre-treatment

Order code



Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CASB-350-2T-3	2860	7.75	4.48		2.20	3950	70	68
CASB-400-2T-5.5	2880	13.30	7.63		4.00	5550	74	105
CASB-450-2T-10	2935		13.90	8.06	7.50	7900	77	150
CASB-500-2T-15	2950		20.10	11.70	11.00	10800	80	230
CASB-500-4T-1.5	1420	4.33	2.50		1.10	5020	62	129
CASB-560-2T-20	2950		27.10	15.70	15.00	13750	83	282
CASB-560-2T-25	2950		33.30	19.30	18.50	15900	83	292
CASB-560-4T-3	1445	8.36	4.83		2.20	7800	65	138
CASB-630-2T-40	2965		53.50	31.00	30.00	19450	86	382
CASB-630-2T-50	2965		65.60	38.00	37.00	22700	88	392
CASB-630-4T-5.5	1440	14.10	8.12		4.00	10780	71	217
CASB-710-4T-7.5	1460		10.60	6.10	5.50	13000	71	272
CASB-710-4T-10	1465		13.90	8.06	7.50	15300	73	281
CASB-800-4T-15	1470		20.70	12.00	11.00	19300	76	421
CASB-800-4T-20	1470		28.40	16.50	15.00	22450	76	396
CASB-800-6T-5.5	960	16.50	9.46		4.00	13700	66	337
CASB-900-4T-30	1470		40.90	23.70	22.00	27550	78	581
CASB-900-4T-40	1480		56.10	32.50	30.00	31800	79	672
CASB-900-6T-10	975		14.70	8.52	7.50	19550	68	486
CASB-1000-4T-50	1480		65.60	38.00	37.00	38600	82	752
CASB-1000-4T-60	1480		79.40	46.00	45.00	42900	84	759
CASB-1000-6T-15	975		21.50	12.50	11.00	26750	73	614
CASB-1000-6T-20	975		28.00	16.20	15.00	29700	73	640

Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CASB-1120-4T-75	1480		96.90	56.20	55.00	55100	86	1143
CASB-1120-4T-100	1485		130.00	75.40	75.00	63050	86	1215
CASB-1120-6T-25	980		35.20	20.40	18.50	38000	76	969
CASB-1120-6T-30	980		41.70	24.20	22.00	41600	77	991
CASB-1250-4T-150	1490		192.00	111.00	110.00	78600	89	1466
CASB-1250-4T-175	1490		230.00	133.00	132.00	87500	90	1537
CASB-1250-6T-40	985		54.20	31.40	30.00	51550	79	1222
CASB-1250-6T-50	985		66.60	38.60	37.00	57400	79	1319
CASB-1400-6T-60	990		83.40	48.30	45.00	64350	81	1829
CASB-1400-6T-100	990		136.00	78.80	75.00	85800	83	1951

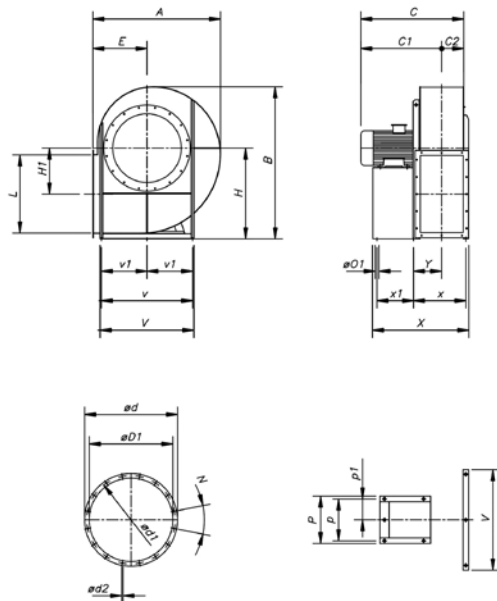


Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ηe[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Electric 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	ηe (%)	N	(kW)	(m³/h)	[mmH₂O]	(RPM)
CASB-350-2T-3	B	T	NO	1.02	60.7%	67.3	2.32	3006	171.40	2878
CASB-400-2T-5.5	B	T	NO	1.02	64.2%	68.7	3.75	3826	230.96	2903
CASB-450-2T-10	B	T	NO	1.03	68.7%	70.4	6.90	6156	282.49	2946
CASB-500-2T-15	B	T	NO	1.03	73.0%	72.9	11.58	9875	314.16	2951
CASB-500-4T-1.5	B	T	NO	1.01	63.8%	73.0	1.33	4592	67.93	1421
CASB-560-2T-20	B	T	NO	1.03	71.7%	71.3	15.61	11911	344.81	2952
CASB-560-2T-25	B	T	NO	1.04	73.2%	72.5	19.29	12502	414.47	2951
CASB-560-4T-3	B	T	NO	1.01	66.0%	72.3	2.52	6126	99.51	1447
CASB-630-2T-40	B	T	NO	1.05	71.0%	70.0	27.66	15475	465.88	2970
CASB-630-2T-50	B	T	NO	1.05	71.7%	70.4	33.90	16822	530.04	2970
CASB-630-4T-5.5	B	T	NO	1.01	65.9%	70.1	3.95	7990	119.59	1448
CASB-710-4T-7.5	B	T	NO	1.01	66.6%	69.7	5.05	9150	134.76	1468
CASB-710-4T-10	B	T	NO	1.01	70.2%	72.2	6.44	11028	150.27	1473
CASB-800-4T-15	B	T	NO	1.02	72.0%	72.1	10.33	15811	172.74	1474
CASB-800-4T-20	B	T	NO	1.02	74.3%	74.0	14.38	17743	221.10	1473
CASB-800-6T-5.5	B	T	NO	1.01	66.4%	70.6	4.01	11226	87.08	966
CASB-900-4T-30	B	T	NO	1.03	76.2%	75.4	21.53	22394	268.67	1473
CASB-900-4T-40	B	T	NO	1.03	74.9%	73.9	26.17	23547	305.41	1484
CASB-900-6T-10	B	T	NO	1.01	73.8%	74.8	7.95	15900	135.44	976
CASB-1000-4T-50	B	T	NO	1.03	74.8%	73.7	30.82	26615	318.03	1484
CASB-1000-4T-60	B	T	NO	1.03	78.3%	76.8	42.81	34463	356.87	1482
CASB-1000-6T-15	B	T	NO	1.01	72.2%	72.2	10.64	18444	152.73	978
CASB-1000-6T-20	B	T	NO	1.02	76.0%	75.6	14.62	23848	170.89	978
CASB-1120-4T-75	B	T	NO	1.04	82.0%	80.4	46.38	31367	444.85	1484
CASB-1120-4T-100	B	T	NO	1.04	76.9%	74.7	76.43	50764	424.80	1485
CASB-1120-6T-25	B	T	NO	1.02	79.6%	79.1	15.70	21643	211.79	984
CASB-1120-6T-30	B	T	NO	1.02	74.7%	73.9	22.61	33505	185.04	981
CASB-1250-4T-150	B	T	NO	1.05	77.9%	75.4	99.42	54704	519.41	1491
CASB-1250-4T-175	B	T	NO	1.06	78.0%	75.2	130.19	65064	572.53	1490
CASB-1250-6T-40	B	T	NO	1.02	76.0%	74.9	28.75	35886	223.52	986
CASB-1250-6T-50	B	T	NO	1.02	76.5%	75.1	37.63	43240	244.32	986
CASB-1400-6T-60	B	T	NO	1.03	75.6%	74.1	41.26	42249	270.82	991
CASB-1400-6T-100	B	T	NO	1.03	77.7%	75.6	67.97	59732	324.35	991

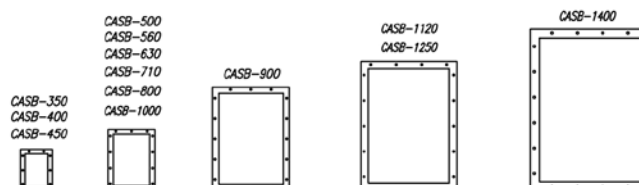
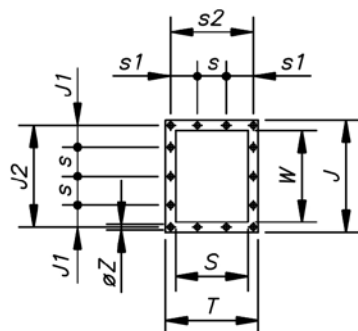
Dimensions in mm



	A	B	C	C1	C2	D1	d	d1	d2	E	H	H1	L	N	O1	P	p	p1	V	v	v1	X	x	x1	Y
CASB-350-2T-3	595	745	530	425	105	285	379	332	10	255	450	253	288	8x45°	10	260	234	-	-	-	-	505	-	183	166
CASB-400-2T-5.5	660	830	630	500	130	320	412	366	10	285	500	286	322	8x45°	12	324	289	-	-	-	-	579	-	264	141
CASB-450-2T-10	745	930	670	527	143	360	450	405	10	320	560	321	361	8x45°	12	372	337	-	-	-	-	656	-	314	155
CASB-500-2T-15	830	1010	830	671	159	405	491	448	10	360	600	354	404	8x45°	14	440	395	-	-	-	-	798	-	414	176
CASB-500-4T-1.5	830	1010	615	456	159	405	491	448	10	360	600	354	404	8x45°	10	260	234	-	-	-	-	588	-	183	208
CASB-560-2T-20	950	1125	828	647	181	455	539	497	10	400	670	391	453	8x45°	14	440	395	-	672	632	-	851	386	414	193
CASB-560-2T-25	950	1125	828	647	181	455	539	497	10	400	670	391	453	12x30°	14	440	395	-	672	632	-	851	386	414	193
CASB-560-4T-3	950	1125	653	472	181	455	539	497	10	400	670	391	453	12x30°	12	324	289	-	672	632	-	676	381	249	188
CASB-630-2T-40	1075	1265	1023	823	200	505	597	551	10	450	750	441	507	12x30°	19	568	506	-	762	702	-	921	478	381	266
CASB-630-2T-50	1075	1265	1023	823	200	505	597	551	10	450	750	441	507	12x30°	19	568	506	-	762	702	-	921	478	381	266
CASB-630-4T-5.5	1075	1265	723	523	200	505	597	551	10	450	750	441	507	12x30°	12	324	289	-	762	702	-	731	421	264	209
CASB-710-4T-7.5	1190	1415	820	598	222	566	692	629	10	500	850	500	569	12x30°	19	836	772	386	896	772	386	826	497	263	262
CASB-710-4T-10	1190	1415	820	598	222	566	692	629	10	500	850	500	569	12x30°	19	836	772	386	896	772	386	826	497	263	262
CASB-800-4T-15	1330	1580	880	633	247	636	760	698	10	560	950	560	638	12x30°	19	926	862	431	986	862	431	875	546	263	287
CASB-800-4T-20	1330	1580	950	703	247	636	760	698	10	560	950	560	638	12x30°	19	926	862	431	986	862	431	984	546	372	287
CASB-800-6T-5.5	1330	1580	880	633	247	636	760	698	10	560	950	560	638	12x30°	19	926	862	431	986	862	431	875	546	263	287
CASB-900-4T-30	1490	1765	1115	837	278	716	834	775	12	630	1060	630	715	12x30°	19	1026	962	481	1086	962	481	1107	600	441	314
CASB-900-4T-40	1490	1765	1170	892	278	716	834	775	12	630	1060	630	715	12x30°	19	1026	962	481	1086	962	481	1067	600	401	314
CASB-900-6T-10	1490	1765	1010	732	278	716	834	775	12	630	1060	630	715	12x30°	19	1026	962	481	1086	962	481	1038	600	372	314
CASB-1000-4T-50	1675	1975	1260	950	310	806	916	861	12	710	1180	710	801	16x22.5°	19	1128	1056	528	1188	1056	528	1169	657	440	340
CASB-1000-4T-60	1675	1975	1260	950	310	806	916	861	12	710	1180	710	801	16x22.5°	19	1128	1056	528	1188	1056	528	1169	657	440	340
CASB-1000-6T-15	1675	1975	1130	820	310	806	916	861	12	710	1180	710	801	16x22.5°	19	1128	1056	528	1188	1056	528	1101	657	372	340
CASB-1000-6T-20	1675	1975	1170	860	310	806	916	861	12	710	1180	710	801	16x22.5°	19	1128	1056	528	1188	1056	528	1170	657	441	340
CASB-1120-4T-75	1885	2215	1490	1146	344	906	1010	958	12	800	1320	800	898	16x22.5°	24	1268	1178	589	1348	1178	589	1318	763	475	400
CASB-1120-4T-100	1885	2215	1540	1196	344	906	1010	958	12	800	1320	800	898	16x22.5°	24	1268	1178	589	1348	1178	589	1408	763	565	400
CASB-1120-6T-25	1885	2215	1320	976	344	906	1010	958	12	800	1320	800	898	16x22.5°	24	1268	1178	589	1348	1178	589	1218	763	375	400
CASB-1120-6T-30	1885	2215	1320	976	344	906	1010	958	12	800	1320	800	898	16x22.5°	24	1268	1178	589	1348	1178	589	1218	763	375	400
CASB-1250-4T-150	2080	2505	1620	1232	388	1007	1127	1067	12	900	1500	900	1007	16x22.5°	24	1400	1310	655	1480	1310	655	1611	840	691	438
CASB-1250-4T-175	2080	2505	1620	1232	388	1007	1127	1067	12	900	1500	900	1007	16x22.5°	24	1400	1310	655	1480	1310	655	1611	840	691	438
CASB-1250-6T-40	2080	2505	1370	982	388	1007	1127	1067	12	900	1500	900	1007	16x22.5°	24	1400	1310	655	1480	1310	655	1335	840	415	438
CASB-1250-6T-50	2080	2505	1470	1082	388	1007	1127	1067	12	900	1500	900	1007	24x15°	24	1400	1310	655	1480	1310	655	1395	840	475	438
CASB-1400-6T-60	2345	2815	1710	1279	431	1128	1272	1200	12	1000	1700	1000	1130	24x15°	24	1560	1450	725	1640	1450	725	1571	946	535	500
CASB-1400-6T-100	2345	2815	1720	1289	431	1128	1272	1200	12	1000	1700	1000	1130	24x15°	24	1560	1450	725	1640	1450	725	1681	946	645	500

Dimensions in mm

Outlet

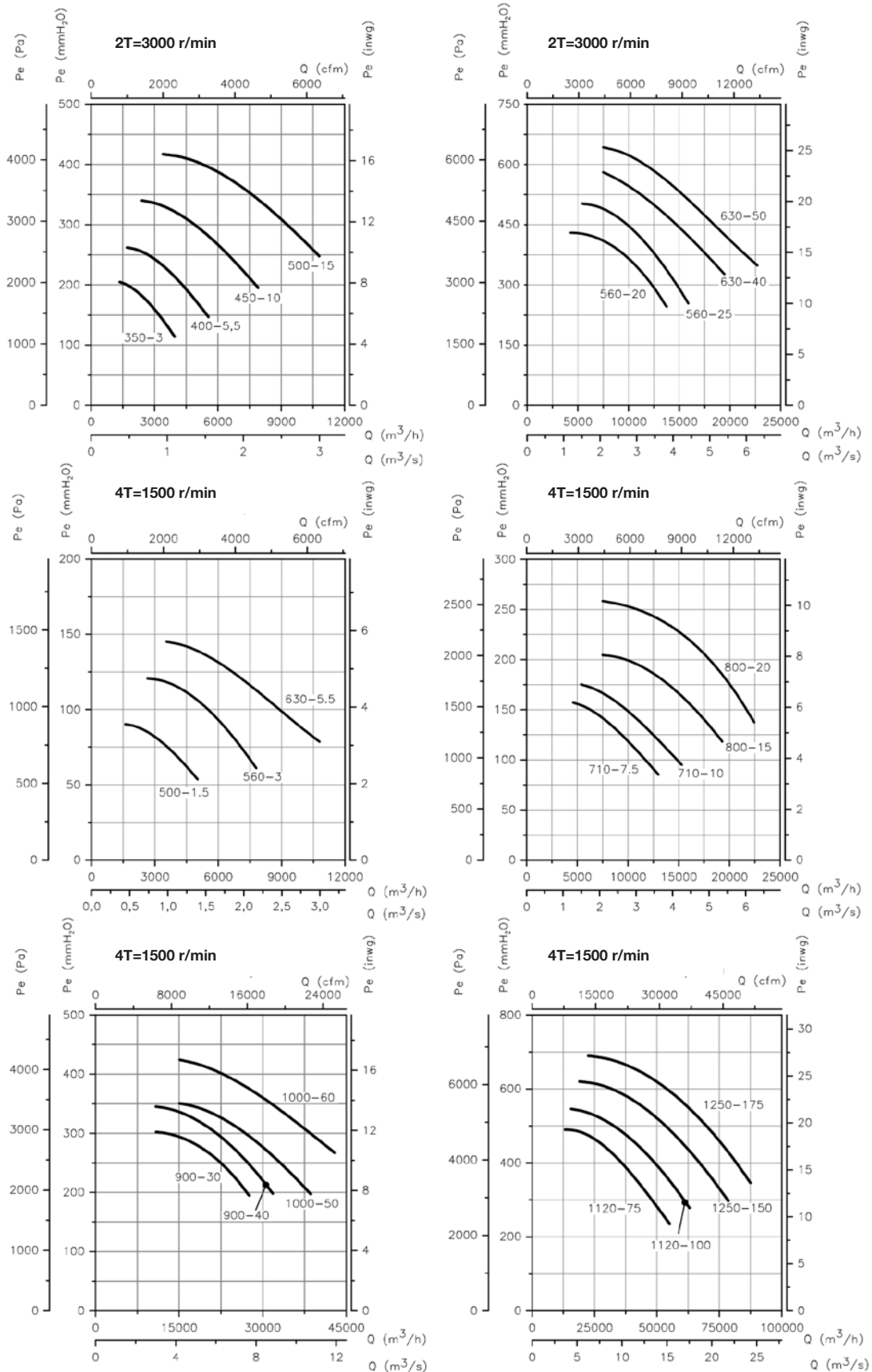


	T	J	J1	J2	S	s	s1	s2	W	ØZ
CASB-350-2T-3	285	368	41	332	205	125	62	249	288	12
CASB-400-2T-5.5	309	402	58	366	229	125	74	273	322	12
CASB-450-2T-10	336	441	77.5	405	256	125	87.5	300	361	12
CASB-500-2T-15	368	484	36.5	448	288	125	41	332	404	12
CASB-500-4T-1.5	368	484	36.5	448	288	125	41	332	404	12
CASB-560-2T-20	402	533	61	497	322	125	52.5	355	453	12
CASB-560-2T-25	402	533	61	497	322	125	52.5	355	453	12
CASB-560-4T-3	402	533	61	497	322	125	52.5	355	453	12
CASB-630-2T-40	441	587	88	551	361	125	77.5	405	507	12
CASB-630-2T-50	441	587	88	551	361	125	77.5	405	507	12
CASB-630-4T-5.5	441	587	88	551	361	125	77.5	405	507	12
CASB-710-4T-7.5	504	669	74.5	629	404	160	72	464	569	14
CASB-710-4T-10	504	669	74.5	629	404	160	72	464	569	14
CASB-800-4T-15	553	738	109	698	453	160	96.5	513	638	14
CASB-800-4T-20	553	738	109	698	453	160	96.5	513	638	14
CASB-800-6T-5.5	553	738	109	698	453	160	96.5	513	638	14
CASB-900-4T-30	607	815	67.5	775	507	160	123.5	567	715	14
CASB-900-4T-40	607	815	67.5	775	507	160	123.5	567	715	14
CASB-900-6T-10	607	815	67.5	775	507	160	123.5	567	715	14
CASB-1000-4T-50	689	921	135.5	871	569	200	119.5	639	801	14
CASB-1000-4T-60	689	921	135.5	871	569	200	119.5	639	801	14
CASB-1000-6T-15	689	921	135.5	871	569	200	119.5	639	801	14
CASB-1000-6T-20	689	921	135.5	871	569	200	119.5	639	801	14
CASB-1120-4T-75	758	1018	79	958	638	200	54	708	898	14
CASB-1120-4T-100	758	1018	79	958	638	200	54	708	898	14
CASB-1120-6T-25	758	1018	79	958	638	200	54	708	898	14
CASB-1120-6T-30	758	1018	79	958	638	200	54	708	898	14
CASB-1250-4T-150	835	1127	138.5	1077	715	200	92.5	785	1007	14
CASB-1250-4T-175	835	1127	138.5	1077	715	200	92.5	785	1007	14
CASB-1250-6T-40	835	1127	138.5	1077	715	200	92.5	785	1007	14
CASB-1250-6T-50	835	1127	138.5	1077	715	200	92.5	785	1007	14
CASB-1400-6T-60	941	1270	105	1210	801	200	140.5	881	1130	18
CASB-1400-6T-100	941	1270	105	1210	801	200	140.5	881	1130	18

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

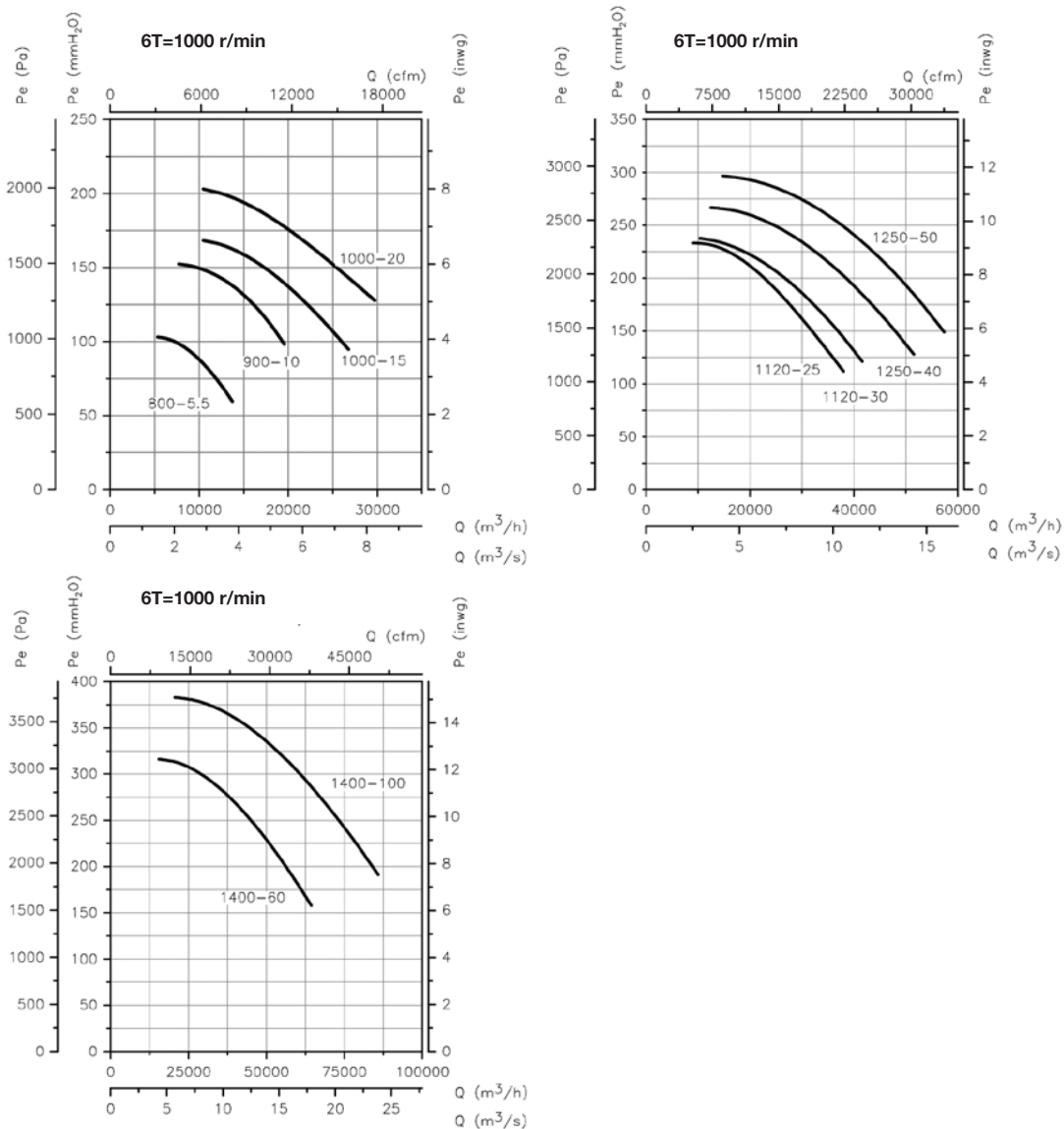
Pe = Static pressure in mmH₂O, Pa and inwg



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Fan Handings

Standard supply LG270, other handings on request.

Handings 180 and 225 on model sizes 350 to 630 have non-standard dimensions (details on request)

Models 710 to 1400 are non-adjustable. Special measurements except for position 315.



Accessories

See accessories section.



CAB

Robust, centrifugal, single inlet, high pressure fans with sheet steel casing and impeller



Fan:

- Steel scroll housing
- Backward curved, robust steel impeller, designed to transport clean air or air with minimal amounts of small particles
- Direct drive motor

Motor:

- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 120°C

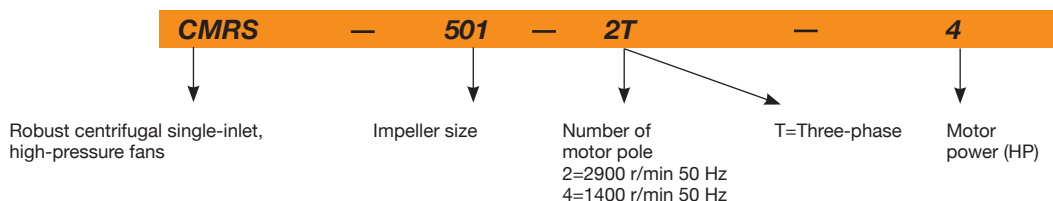
On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 250°C
- Stainless steel construction
- ATEX certification, category 2
- IE2 and IE3 efficiency motors assembled on any unit

Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190°C after phosphate free pre-treatment

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CAB-501-2T-4	2880	10.30	5.92		3.00	1800	79	81
CAB-501-2T-5.5	2880	13.30	7.63		4.00	2905	80	93
CAB-561-2T-7.5	2910		10.60	6.14	5.50	2415	84	146
CAB-561-2T-10	2930		14.10	8.17	7.50	4210	85	143
CAB-562-2T-7.5	2910		10.60	6.14	5.50	3355	84	144
CAB-631-2T-15	2945		19.60	11.40	11.00	5025	87	211
CAB-632-2T-10	2930		14.10	8.17	7.50	3045	86	175
CAB-632-2T-15	2945		19.60	11.40	11.00	6055	87	201
CAB-711-2T-25	2945		33.90	19.70	18.50	5505	88	333
CAB-711-2T-30	2950		39.70	23.00	22.00	7075	90	413
CAB-712-2T-20	2945		27.70	16.10	15.00	5050	89	272
CAB-712-2T-25	2945		33.90	19.70	18.50	6715	89	285
CAB-801-2T-40	2960		54.50	31.60	30.00	7300	91	467
CAB-801-2T-50	2960		67.80	39.30	37.00	9775	91	467

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CAB-801-2T-60	2960		77.50	44.90	45.00	13150	91	603
CAB-802-2T-40	2960		54.50	31.60	30.00	8220	91	437
CAB-802-2T-50	2960		67.80	39.30	37.00	11190	92	462
CAB-901-2T-75	2960		95.60	55.40	55.00	10430	94	713
CAB-901-2T-100	2965		128.00	74.20	75.00	14935	93	808
CAB-901-4T-10	1460		13.90	8.06	7.50	6000	80	317
CAB-902-2T-60	2960		77.50	44.90	45.00	9500	93	640
CAB-902-2T-75	2960		95.60	55.40	55.00	12550	93	703
CAB-902-2T-100	2965		128.00	74.20	75.00	16785	92	798

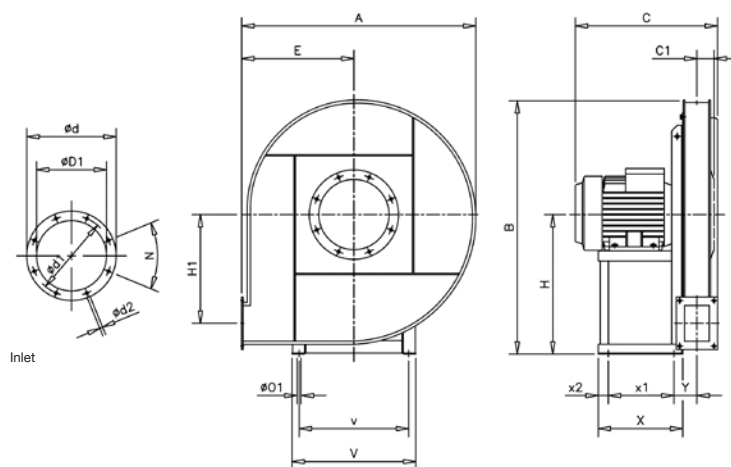


Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ηe[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Electric 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	ηe (%)	N	(kW)	(m³/h)	[mmH₂O]	(RPM)
CAB-501-2T-4	B	T	NO	1.05	67.5%	72.3	3.546	1800	488.31	2880
CAB-501-2T-5.5	B	T	NO	1.05	69.7%	74.1	3.859	2098	470.78	2900
CAB-561-2T-7.5	B	T	NO	1.06	69.0%	71.1	6.322	2416	662.40	2910
CAB-561-2T-10	B	T	NO	1.06	72.4%	74.3	6.636	2690	655.57	2944
CAB-562-2T-7.5	B	T	NO	1.05	72.8%	75.0	6.138	3354	489.06	2913
CAB-631-2T-15	B	T	NO	1.08	80.3%	80.3	11.275	4259	780.60	2948
CAB-632-2T-10	B	T	NO	1.07	75.7%	76.5	8.260	3044	753.31	2930
CAB-632-2T-15	B	T	NO	1.07	79.3%	79.4	10.118	4227	696.77	2954
CAB-711-2T-25	B	T	NO	1.10	76.0%	75.3	20.916	5908	987.94	2942
CAB-711-2T-30	B	T	NO	1.10	76.4%	75.6	21.506	5964	1010.57	2955
CAB-712-2T-20	B	T	NO	1.09	76.2%	75.7	16.268	5047	901.35	2945
CAB-712-2T-25	B	T	NO	1.08	78.9%	78.2	19.093	6714	822.92	2947
CAB-801-2T-40	-	-	-	1.12	-	-	32.848	7569	1242.33	2959
CAB-801-2T-50	-	-	-	1.12	-	-	33.678	7640	1265.95	2966
CAB-801-2T-60	-	-	-	1.13	-	-	34.601	7722	1292.44	2971
CAB-802-2T-40	-	-	-	1.12	-	-	13.819	3314	1223.88	2983
CAB-802-2T-50	-	-	-	1.12	-	-	13.991	3331	1236.54	2986
CAB-802-2T-75	-	-	-	1.16	-	-	61.994	11509	1606.22	2957
CAB-901-2T-100	-	-	-	1.16	-	-	64.313	11674	1651.43	2972
CAB-901-4T-10	B	T	NO	1.04	74.4%	75.8	7.282	5293	375.52	1465
CAB-902-2T-60	-	-	-	1.14	-	-	51.086	10595	1438.25	2957
CAB-902-2T-75	-	-	-	1.14	-	-	52.812	10712	1470.68	2964
CAB-902-2T-100	-	-	-	1.15	-	-	54.036	10813	1498.56	2976

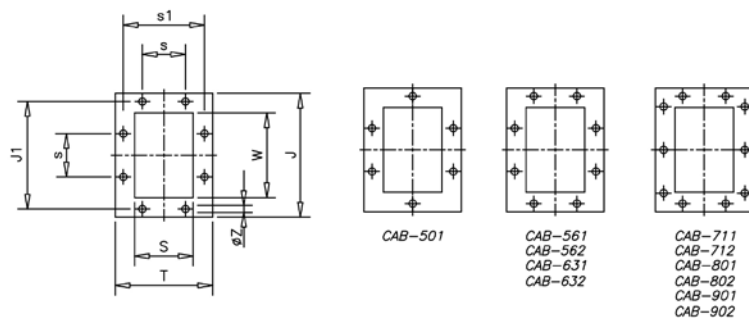
Dimensions in mm



	A	B	C	C1	E	H	H1	ØO1	V	v	X	x1	x2	Y	ØD1	Ød	Ød1	øD2	N
CAB-501-2T-4	735	800	500	77	355	450	310	12	332	300	260	200	25	104	205	275	241	11.5	8x45°
CAB-501-2T-5.5	735	800	500	77	355	450	310	12	332	300	260	200	25	104	205	275	241	11.5	8x45°
CAB-561-2T-7.5	830	895	595	87	400	500	350	12	392	360	320	250	25	122	229	299	265	11.5	8x45°
CAB-561-2T-10	830	895	595	87	400	500	350	12	392	360	320	250	25	122	229	299	265	11.5	8x45°
CAB-562-2T-7.5	830	895	595	87	400	500	350	12	392	360	320	250	25	122	229	299	265	11.5	8x45°
CAB-631-2T-15	900	990	750	100	425	560	388	14	440	400	425	340	30	142	255	325	292	11.5	8x45°
CAB-632-2T-10	900	990	610	100	425	560	388	14	440	400	425	340	30	142	255	325	292	11.5	8x45°
CAB-632-2T-15	900	990	750	100	425	560	388	14	440	400	425	340	30	142	255	325	292	11.5	8x45°
CAB-711-2T-25	1005	1115	780	110	475	630	435	14	440	400	425	340	30	152	286	366	332	11.5	8x45°
CAB-711-2T-30	1005	1115	780	110	475	630	435	14	440	400	425	340	30	152	286	366	332	11.5	8x45°
CAB-712-2T-20	1005	1115	780	110	475	630	435	14	440	400	425	340	30	152	286	366	332	11.5	8x45°
CAB-712-2T-25	1005	1115	780	110	475	630	435	14	440	400	425	340	30	152	286	366	332	11.5	8x45°
CAB-801-2T-40	1120	1250	875	120	530	710	490	16	570	510	500	385	40	183	321	401	366	11.5	8x45°
CAB-801-2T-50	1120	1250	875	120	530	710	490	16	570	510	500	385	40	183	321	401	366	11.5	8x45°
CAB-801-2T-60	1120	1250	875	120	530	710	490	16	570	510	500	385	40	183	321	401	366	11.5	8x45°
CAB-802-2T-40	1120	1250	875	120	530	710	490	16	570	510	500	385	40	183	321	401	366	11.5	8x45°
CAB-802-2T-50	1120	1250	875	120	530	710	490	16	570	510	500	385	40	183	321	401	366	11.5	8x45°
CAB-901-2T-75	1265	1410	990	135	600	800	552	21	686	615	600	460	45	217	361	486	405	11.5	8x45°
CAB-901-2T-100	1265	1410	1120	135	600	800	552	21	760	690	700	550	50	222	361	486	405	11.5	8x45°
CAB-901-4T-10	1265	1410	700	135	600	800	552	12	392	360	320	250	25	167	361	486	405	11.5	8x45°
CAB-902-2T-60	1265	1410	980	135	600	800	552	19	626	565	550	425	40	207	361	486	405	11.5	8x45°
CAB-902-2T-75	1265	1410	990	135	600	800	552	21	698	615	600	550	45	217	361	486	405	11.5	8x45°
CAB-902-2T-100	1265	1410	1120	135	600	800	552	21	760	680	700	550	50	222	361	486	405	11.5	8x45°

Dimensions in mm

Outlet

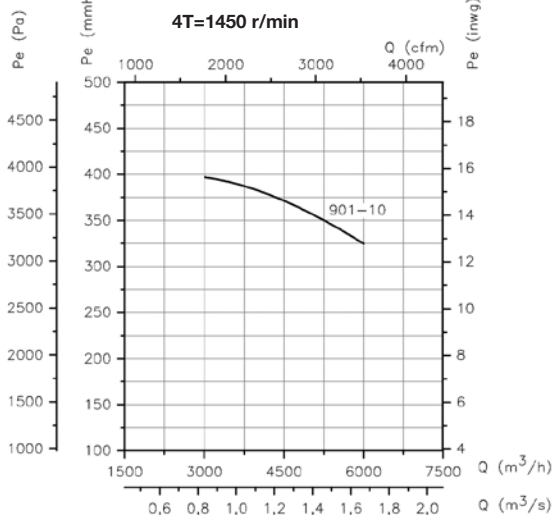
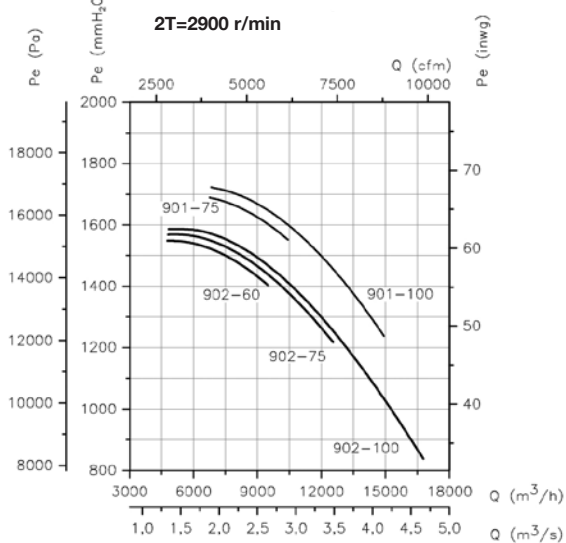
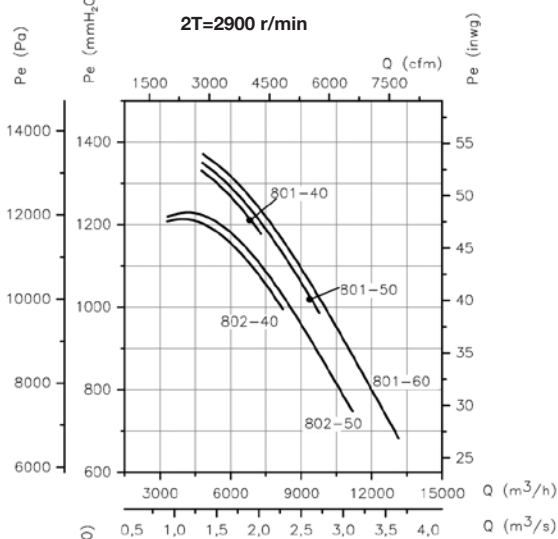
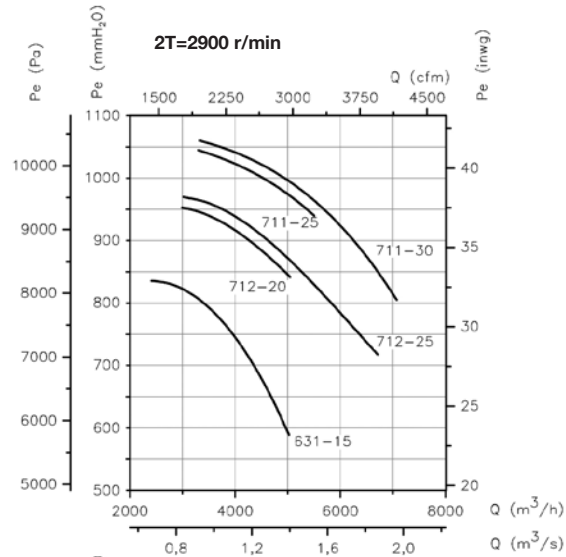
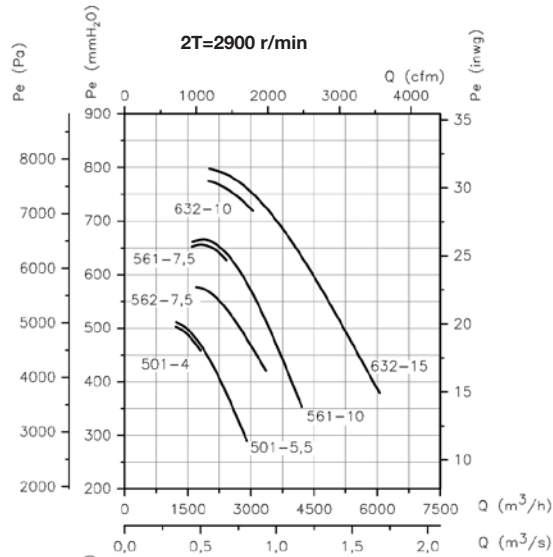


	T	J	J1	S	s	s1	W	ØZ
CAB-501-2T-4	195	250	219	125	112	167	180	11.5
CAB-501-2T-5.5	195	250	219	125	112	167	180	11.5
CAB-561-2T-7.5	210	270	241	140	112	182	200	11.5
CAB-561-2T-10	210	270	241	140	112	182	200	11.5
CAB-562-2T-7.5	210	270	241	140	112	182	200	11.5
CAB-631-2T-15	230	294	265	160	112	200	224	11.5
CAB-632-2T-10	230	294	265	160	112	200	224	11.5
CAB-632-2T-15	230	294	265	160	112	200	224	11.5
CAB-711-2T-25	250	320	292	180	112	219	250	11.5
CAB-711-2T-30	250	320	292	180	112	219	250	11.5
CAB-712-2T-20	250	320	292	180	112	219	250	11.5
CAB-712-2T-25	250	320	292	180	112	219	250	11.5
CAB-801-2T-40	280	360	332	200	125	249	280	11.5
CAB-801-2T-50	280	360	332	200	125	249	280	11.5
CAB-801-2T-60	280	360	332	200	125	249	280	11.5
CAB-802-2T-40	280	360	332	200	125	249	280	11.5
CAB-802-2T-50	280	360	332	200	125	249	280	11.5
CAB-901-2T-75	304	395	366	224	125	273	315	11.5
CAB-901-2T-100	304	395	366	224	125	273	315	11.5
CAB-901-4T-10	304	395	366	224	125	273	315	11.5
CAB-902-2T-60	304	395	366	224	125	273	315	11.5
CAB-902-2T-75	304	395	366	224	125	273	315	11.5
CAB-902-2T-100	304	395	366	224	125	273	315	11.5

Characteristic Curves

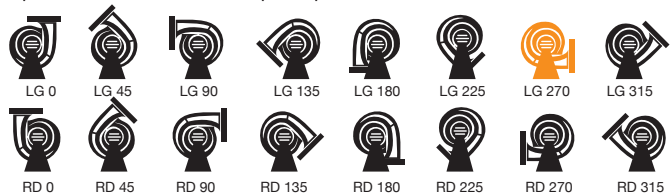
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Fan Handings

Standard supply LG270, other handings on request.
Models 501 to 802 with adjustable handings.
Special measurements in 180 and 225 handings.
Models 901 to 902 with adjustable handings.
Special measurements except for position 315.



CMRS-X

Belt-driven centrifugal fans with belt and pulley guard to ISO 13857



Robust build

Fan:

- Steel scroll housing
- Backward curved, robust steel impeller, designed to transport clean air or air with minimal amounts of small particles
- Dedicated motor support arrangement
- Belt-driven fan

Motor:

- Motors with IE3 efficiency
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 150°C

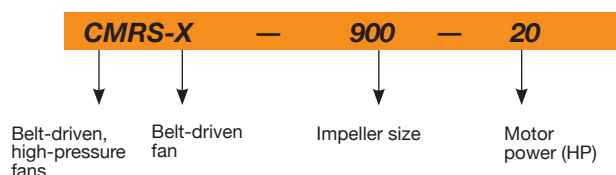
On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 250°C
- Stainless steel construction
- ATEX certification, category 2
- Motors with IE2 efficiency

Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190°C after phosphate free pre-treatment

Order code



Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)		Installed power (kW)	Maximum airflow (m ³ /h)	Maximum pressure (mm H ₂ O)	Approx. weight (Kg)
		400V	690V				
CMRS-X-800-10	940	14.00	8.10	7.50	32250	105	442
CMRS-X-800-15	1060	21.00	12.10	11.00	36350	130	480
CMRS-X-800-20	1200	28.10	16.20	15.00	41150	170	496
CMRS-X-800-25	1290	35.20	20.30	18.50	44250	195	535
CMRS-X-800-30	1370	41.20	23.80	22.00	46950	220	558
CMRS-X-900-20	1130	28.10	16.20	15.00	48250	170	681
CMRS-X-900-25	1200	35.20	20.30	18.50	51250	190	720
CMRS-X-900-30	1280	41.20	23.80	22.00	54700	220	743
CMRS-X-900-40	1430	57.30	33.10	30.00	61100	270	793
CMRS-X-900-50	1520	69.10	39.90	37.00	64950	310	910
CMRS-X-900-60	1630	81.20	46.90	45.00	69650	355	942
CMRS-X-1000-30	1050	41.20	23.80	22.00	63500	185	1152
CMRS-X-1000-40	1165	57.30	33.10	30.00	70450	230	1202
CMRS-X-1000-50	1250	69.10	39.90	37.00	75600	260	1319
CMRS-X-1000-60	1340	81.20	46.90	45.00	81050	300	1351
CMRS-X-1000-75	1430	99.10	57.20	55.00	86500	345	1429
CMRS-X-1000-100	1525	131.50	75.90	75.00	92250	390	1704
CMRS-X-1120-30	880	41.20	23.80	22.00	73900	165	933
CMRS-X-1120-40	970	57.30	33.10	30.00	81500	200	983
CMRS-X-1120-50	1040	69.10	39.90	37.00	87350	230	1100
CMRS-X-1120-60	1110	81.20	46.90	45.00	93250	265	1132
CMRS-X-1120-75	1180	99.10	57.20	55.00	99100	295	1210
CMRS-X-1120-100	1310	131.50	75.90	75.00	110050	365	1485
CMRS-X-1250-40	800	57.30	33.10	30.00	96000	170	1358
CMRS-X-1250-50	860	69.10	39.90	37.00	103200	195	1475
CMRS-X-1250-60	920	81.20	46.90	45.00	110400	225	1507
CMRS-X-1250-75	980	99.10	57.20	55.00	117600	255	1585
CMRS-X-1250-100	1090	131.50	75.90	75.00	130800	315	1860
CMRS-X-1250-125	1160	158.70	91.60	90.00	139200	355	1927

Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)		Installed power (kW)	Maximum airflow (m ³ /h)	Maximum pressure (mm H ₂ O)	Approx. weight (Kg)
		400V	690V				
CMRS-X-1400-50	690	69.10	39.90	37.00	113850	160	2023
CMRS-X-1400-60	740	81.20	46.90	45.00	12100	180	2055
CMRS-X-1400-75	790	99.10	57.20	55.00	130350	210	2133
CMRS-X-1400-100	875	131.50	75.90	75.00	144400	255	2408
CMRS-X-1400-125	930	158.70	91.60	90.00	153450	290	2475
CMRS-X-1400-150	1000	194.00	112.00	110.00	165000	335	2538
CMRS-X-1600-75	680	99.10	57.20	55.00	145850	195	2590
CMRS-X-1600-100	750	131.50	75.90	75.00	12160900	240	2865
CMRS-X-1600-125	800	158.70	91.60	90.00	12160900	270	2932
CMRS-X-1600-150	860	194.00	112.00	110.00	184450	315	2995
CMRS-X-1600-175	910	232.10	134.00	132.00	195200	350	3067
CMRS-X-1600-220	970	280.60	162.00	160.00	208050	400	3140



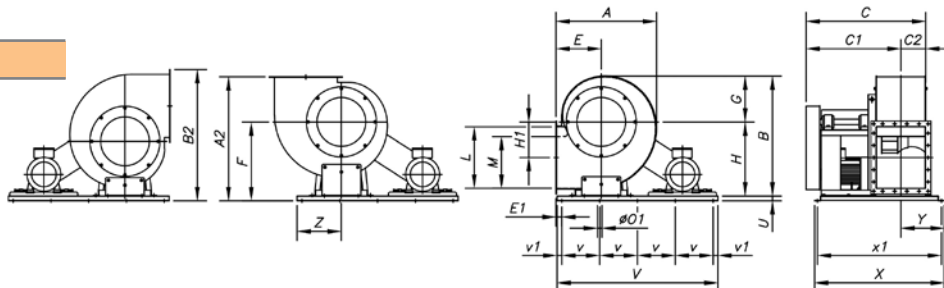
Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ηe[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Electric 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	ηe (%)	N	(kW)	(m ³ /h)	[mmH ₂ O]	(RPM)
CMRS-X-800-10	C	S	NO	1.01	64.1%	66.5	5.964	15178	92.47	940
CMRS-X-800-15	C	S	NO	1.01	64.6%	65.3	8.496	17116	117.59	1060
CMRS-X-800-20	C	S	NO	1.02	65.3%	65.2	12.180	19377	150.70	1200
CMRS-X-800-25	C	S	NO	1.02	65.3%	64.9	15.131	20830	174.15	1290
CMRS-X-800-30	C	S	NO	1.02	65.4%	64.8	18.104	22122	196.42	1370
CMRS-X-900-20	C	S	NO	1.02	68.6%	68.2	15.265	24913	154.35	1130
CMRS-X-900-25	C	S	NO	1.02	69.0%	68.4	18.183	26456	174.06	1200
CMRS-X-900-30	C	S	NO	1.02	69.3%	68.5	21.973	28220	198.04	1280
CMRS-X-900-40	C	S	NO	1.03	69.7%	68.5	30.475	31527	247.18	1430
CMRS-X-900-50	C	S	NO	1.03	70.3%	68.9	36.289	33511	279.27	1520
CMRS-X-900-60	C	S	NO	1.03	70.2%	68.6	44.798	35936	321.16	1630
CMRS-X-1000-30	C	S	NO	1.02	67.2%	66.3	22.440	34574	159.98	1050
CMRS-X-1000-40	C	S	NO	1.02	67.5%	66.4	30.487	38361	196.94	1165
CMRS-X-1000-50	C	S	NO	1.02	68.1%	66.7	37.340	41160	226.73	1250
CMRS-X-1000-60	C	S	NO	1.03	68.0%	66.4	46.049	44123	260.55	1340
CMRS-X-1000-75	C	S	NO	1.03	68.2%	66.4	55.788	47087	296.73	1430
CMRS-X-1000-100	C	S	NO	1.03	68.6%	66.6	67.306	50215	337.46	1525
CMRS-X-1120-30	C	S	NO	1.01	67.6%	66.7	23.539	40277	144.94	880
CMRS-X-1120-40	C	S	NO	1.02	67.9%	66.8	31.357	44396	176.11	970
CMRS-X-1120-50	C	S	NO	1.02	68.5%	67.1	38.321	47600	202.44	1040
CMRS-X-1120-60	C	S	NO	1.02	68.5%	66.8	46.640	50804	230.61	1110
CMRS-X-1120-75	C	S	NO	1.03	68.7%	66.8	55.855	54008	260.61	1180
CMRS-X-1120-100	C	S	NO	1.03	69.0%	66.9	76.022	59958	321.20	1310
CMRS-X-1250-40	C	S	NO	1.02	69.0%	67.9	29.183	50208	147.26	800
CMRS-X-1250-50	C	S	NO	1.02	69.6%	68.3	35.947	53973	170.17	860
CMRS-X-1250-60	C	S	NO	1.02	69.6%	68.0	44.054	57739	194.75	920
CMRS-X-1250-75	C	S	NO	1.02	69.8%	68.0	53.079	61505	220.98	980
CMRS-X-1250-100	C	S	NO	1.03	70.1%	68.0	72.650	68408	273.37	1090
CMRS-X-1250-125	C	S	NO	1.03	70.3%	68.0	87.382	72801	309.61	1160
CMRS-X-1400-50	C	S	NO	1.02	68.8%	67.6	32.226	54594	149.04	690
CMRS-X-1400-60	C	S	NO	1.02	68.7%	67.3	39.794	58550	171.42	740
CMRS-X-1400-75	C	S	NO	1.02	68.9%	67.3	48.264	62506	195.37	790
CMRS-X-1400-100	C	S	NO	1.02	69.3%	67.3	65.234	69231	239.67	875
CMRS-X-1400-125	C	S	NO	1.03	69.5%	67.3	78.161	73583	270.75	930
CMRS-X-1400-150	C	S	NO	1.03	69.6%	67.2	96.969	79121	313.04	1000
CMRS-X-1600-75	C	S	NO	1.02	71.6%	69.8	55.669	90083	162.46	680
CMRS-X-1600-100	C	S	NO	1.02	72.0%	69.9	74.299	99356	197.62	750
CMRS-X-1600-125	C	S	NO	1.02	72.2%	69.8	89.983	105980	224.85	800
CMRS-X-1600-150	C	S	NO	1.03	72.3%	69.7	111.552	113929	259.84	860
CMRS-X-1600-175	C	S	NO	1.03	72.5%	69.7	131.886	120552	290.94	910
CMRS-X-1600-220	C	S	NO	1.03	72.6%	69.6	159.398	128501	330.57	970

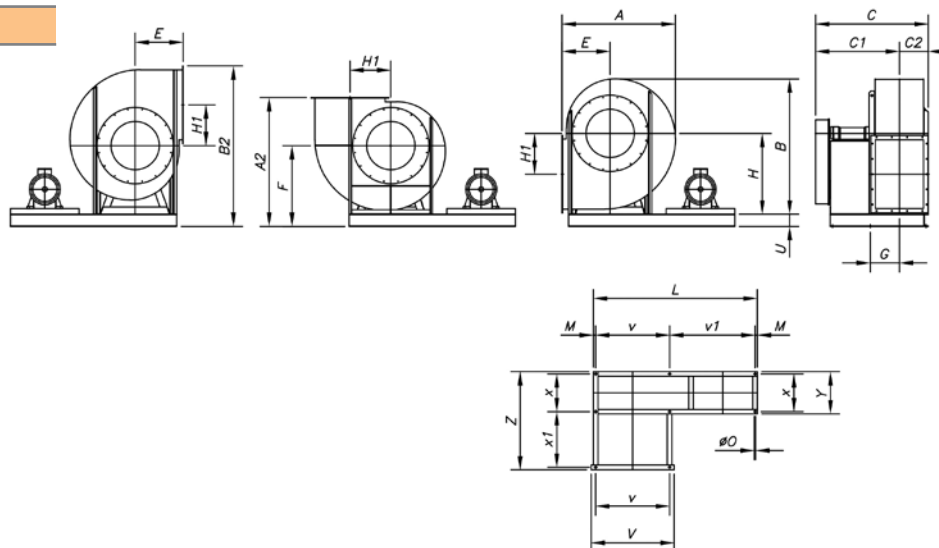
Dimensions in mm

CMRS-X-800



Model	A	A2	B	B2	C	C1	C2	E	E1	F	G	H	H1	L	M	øO1	U	V	v	v1	X	x1	Y	Z
CMRS-X-800	1487	1530	1722	1883	1318	1031	287	680	75	850	850	1050	410	1120	710	14	80	1900	450	50	1420	1360	440	508

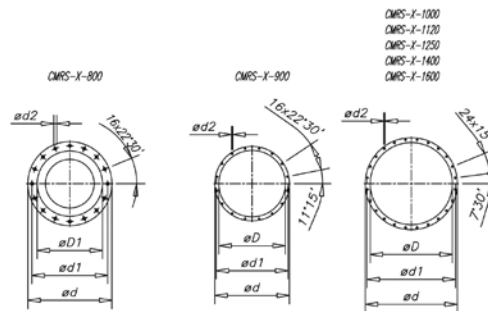
CMRS-X-900...1600



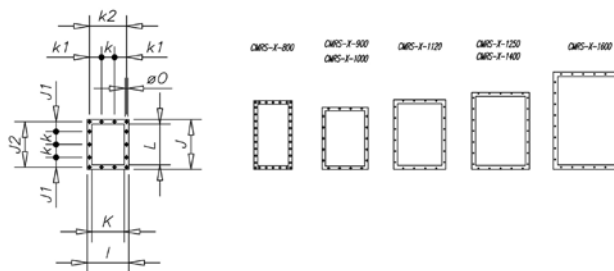
	A	A2	B	B2	C	C1	C2	E	F	G	H	H1	L	M	øO	U	V	v	v1	x	x1	Y	Z
CMRS-X-900	1495	1690	1785	2110	1470	1090	320.5	630	1060	383	1060	535	2150	30	19	160	1090	970	1120	495	731	555	1286
CMRS-X-1000	1680	1890	1990	2360	1695	1274	362	710	1180	429	1180	610	2250	35	21	180	1190	1060	1120	600	818	660	1478
CMRS-X-1120	1890	2100	2230	2630	1805	1321	407	800	1300	469	1320	690	2390	35	24	180	1350	1200	1120	600	908	670	1578
CMRS-X-1250	2010	2260	2480	2910	1985	1451	462	830	1430	529	1500	775	2520	40	24	180	1480	1320	1120	670	1023	750	1773
CMRS-X-1400	2270	2450	2750	2950	2190	1606	512	950	1500	599	1650	860	2700	40	24	180	1660	1500	1120	750	1143	830	1973
CMRS-X-1600	2535	2740	3075	3265	2390	1746	572	1060	1680	654	1850	945	2900	40	24	180	1860	1700	1120	800	1258	880	2138

Dimensions in mm

Inlet



Outlet



Model	$\phi D1^*$	ϕd	$\phi d1$	$\phi D2$	I	J	J1	J2	K	k	k1	k2	L	ϕO
CMRS-X-800	800	910	861	M12	690	1246	93	1186	562	125	62.5	625	1122	13
CMRS-X-900	908	1008	958	14	750	1020	-	968	630	200	-	708	900	14
CMRS-X-1000	1008	1108	1067	14	830	1120	-	1077	710	200	-	785	1000	14
CMRS-X-1120	1130	1250	1200	14	940	1260	-	1210	800	200	-	881	1120	18
CMRS-X-1250	1260	1380	1337	14	1040	1390	-	1347	900	200	-	978	1250	18
CMRS-X-1400	1420	1540	1491	16	1160	1560	-	1501	1000	200	-	1087	1400	18
CMRS-X-1600	1610	1730	1663	16	1280	1760	-	1683	1120	200	-	1220	1600	22

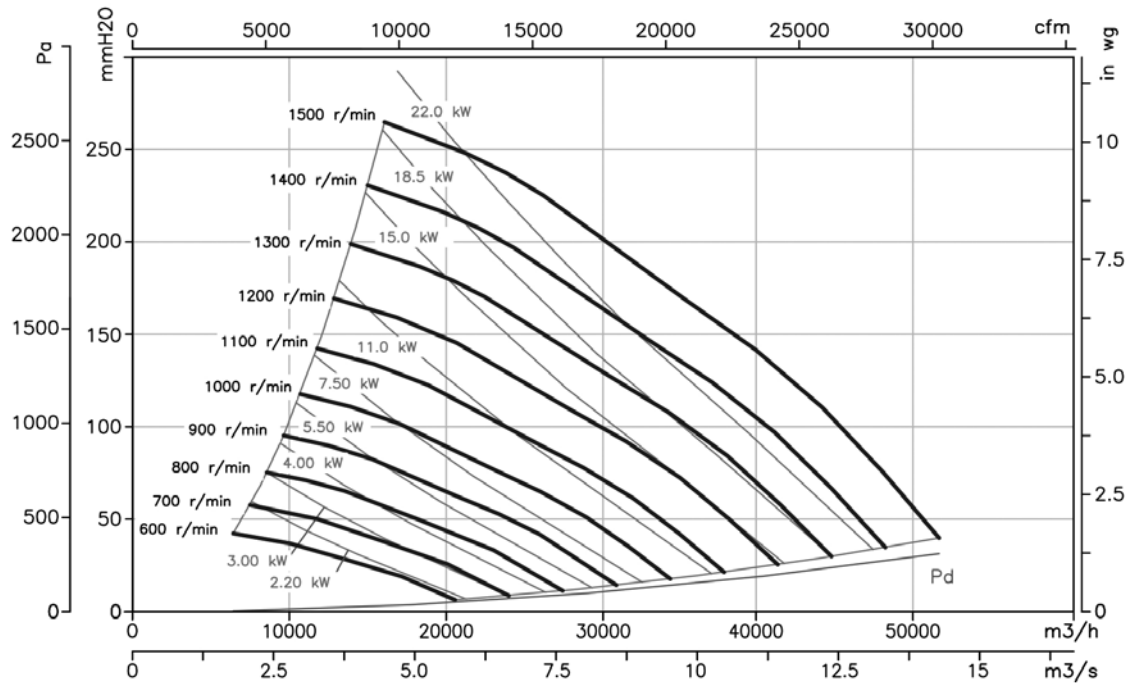
* Recommended nominal diameter for duct

Characteristic Curves

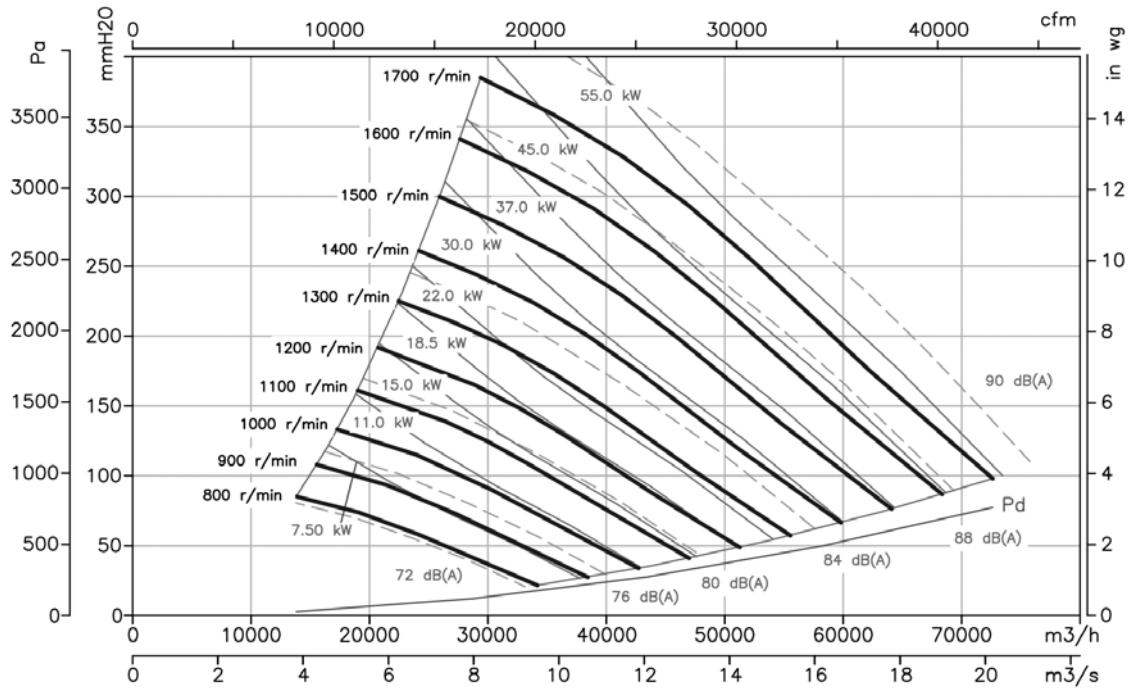
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

CMRS-X 800



CMRS-X 900

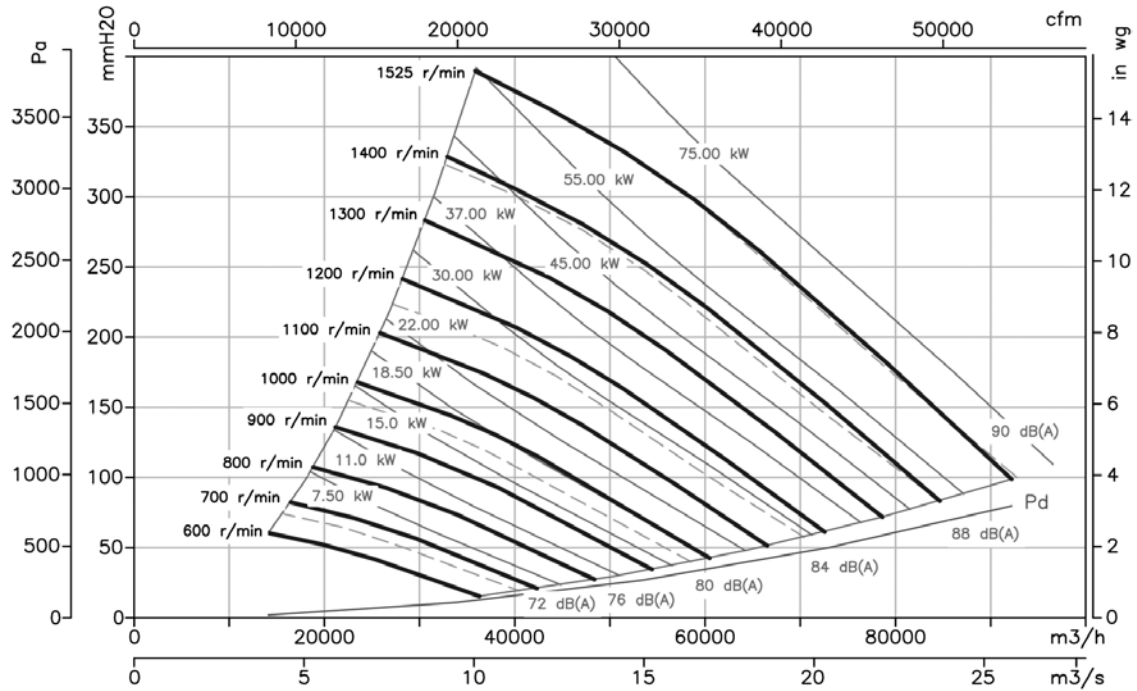


Characteristic Curves

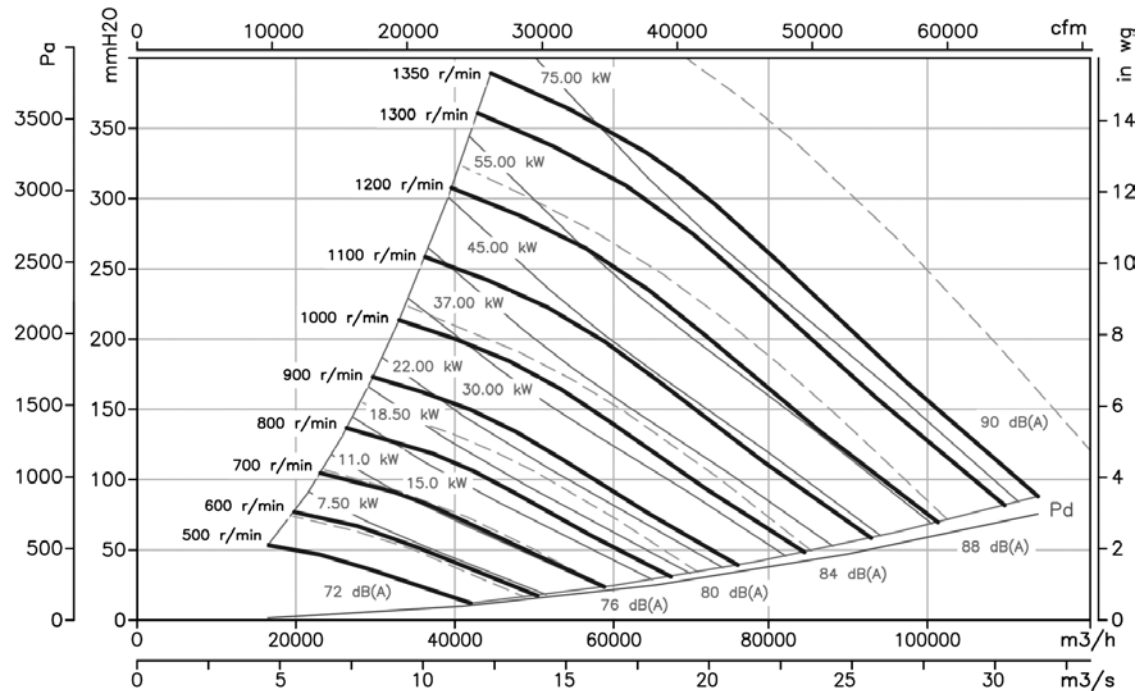
Q = Airflow in m³/h, m³/s and cfm

Pe= Static pressure in mmH₂O, Pa and inwg

CMRS-X 1000



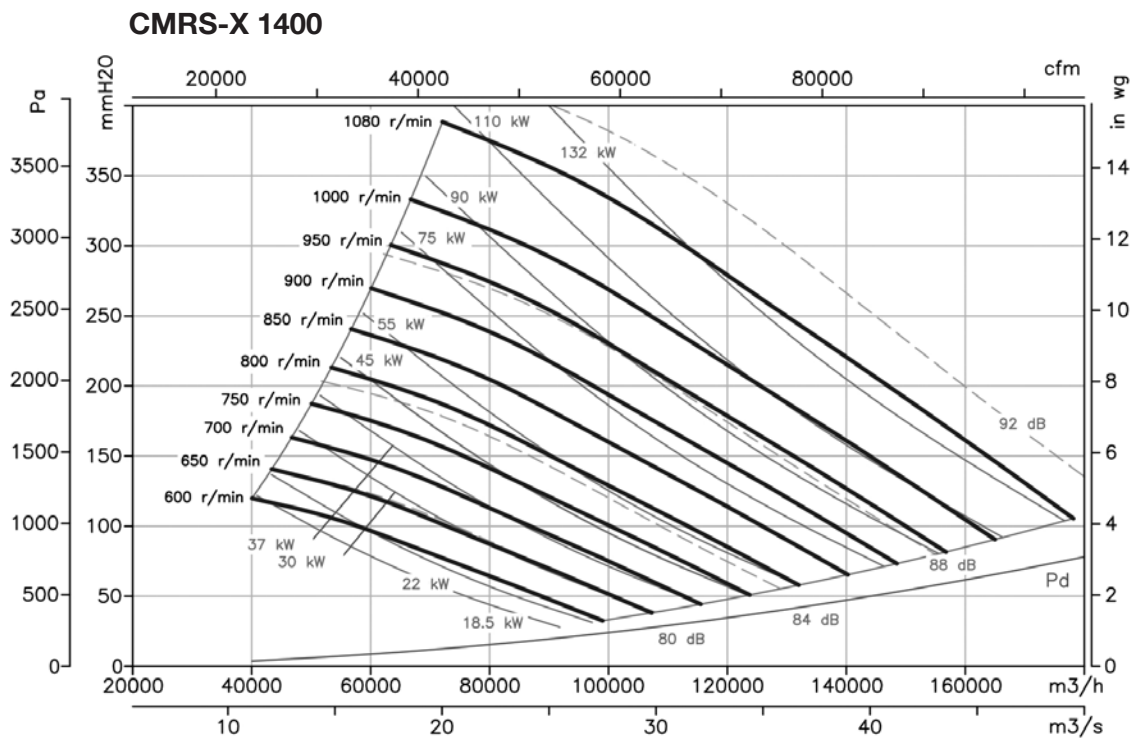
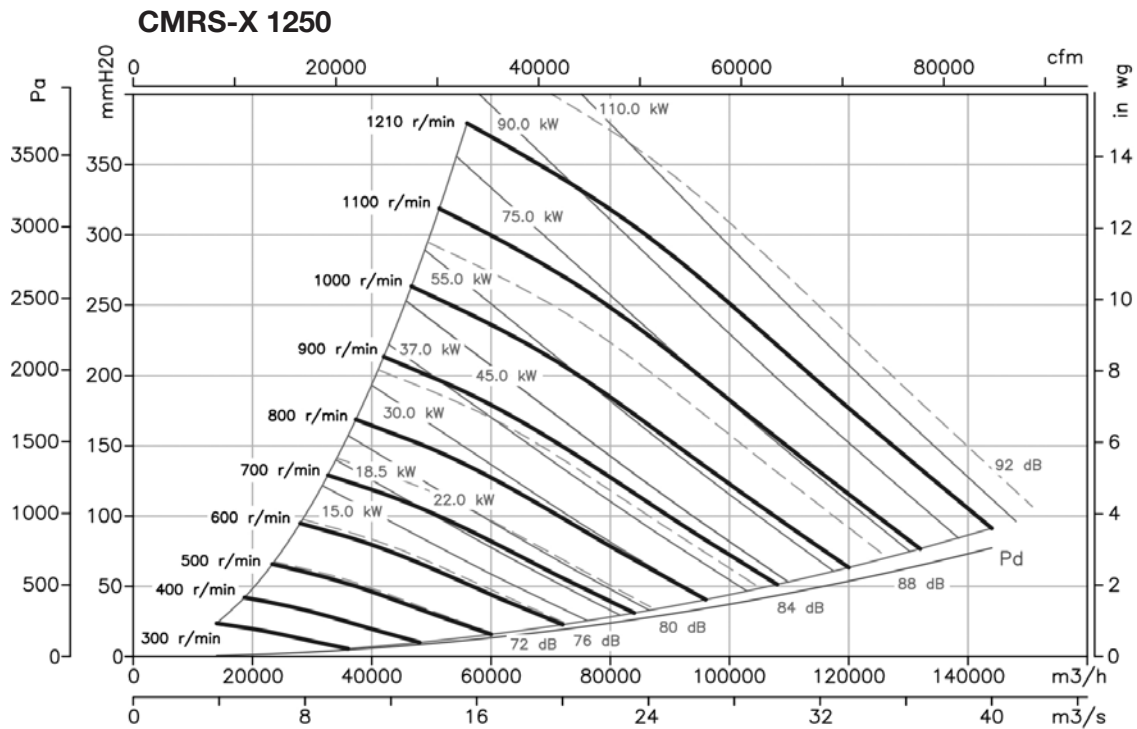
CMRS-X 1120



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

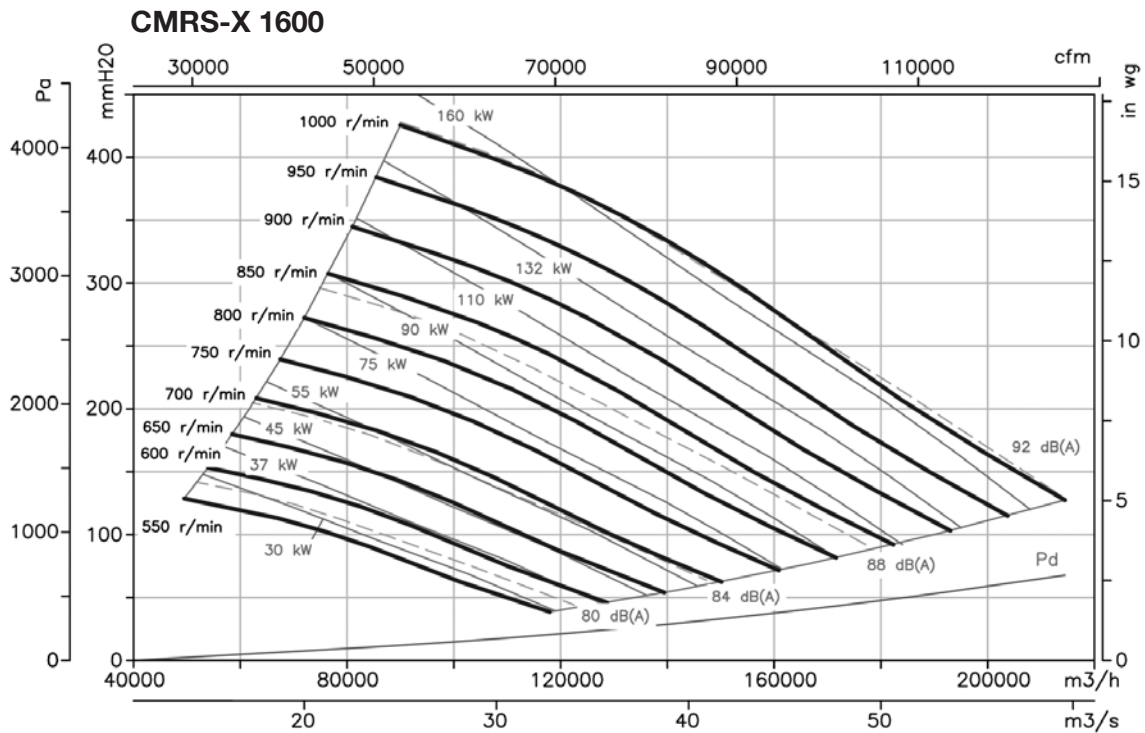
Pe = Static pressure in mmH₂O, Pa and inwg



Characteristic Curves

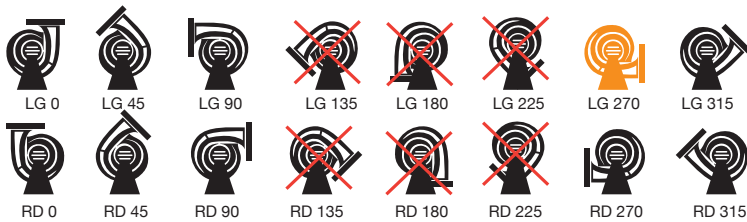
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Fan Handings

LG 270 standard supply



Accessories

See accessories section.





CASB-X

Belt-driven, high pressure centrifugal fans with belt and pulley guard to ISO 13857



Fan:

- Steel scroll housing
- Backward curved, robust steel impeller, designed to transport clean air or air with minimal amounts of small particles
- Dedicated motor support arrangement

Motor:

- Motors with IE3 efficiency
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 150°C

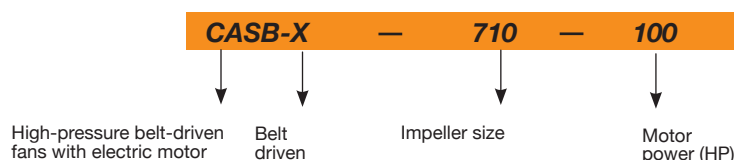
On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 250°C
- Stainless steel construction
- ATEX certification, category 2
- Motors with IE2 efficiency

Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190°C after phosphate free pre-treatment

Order code



Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)		Installed power (kW)	Maximum airflow (m ³ /h)	Maximum pressure (mm H ₂ O)	Weight (Kg)
		400V	690V				
CASB-X-710-20	1690	28.1	16.2	15	19650	290	391
CASB-X-710-25	1810	35.2	20.3	18.5	21050	335	430
CASB-X-710-30	1910	41.2	23.8	22	22200	370	453
CASB-X-710-40	2120	57.3	33.1	30	24650	460	503
CASB-X-710-50	2280	69.1	39.9	37	26500	530	620
CASB-X-710-60	2430	81.2	46.9	45	28250	605	652
CASB-X-710-75	2600	99.1	57.2	55	30200	690	730
CASB-X-710-100	2890	131.5	75.9	75	33600	850	1005
CASB-X-800-20	1380	28.1	16.2	15	23750	245	486
CASB-X-800-25	1480	35.2	20.3	18.5	25450	280	525
CASB-X-800-30	1570	41.2	23.8	22	27000	315	548
CASB-X-800-40	1740	57.3	33.1	30	29900	390	598
CASB-X-800-50	1850	69.1	39.9	37	31800	440	715
CASB-X-800-60	1980	81.2	46.9	45	34050	505	747
CASB-X-800-75	2120	99.1	57.2	55	36450	580	825
CASB-X-800-100	2350	131.5	75.9	75	40400	710	1100
CASB-X-900-30	1310	41.2	23.8	22	31450	275	623
CASB-X-900-40	1460	57.3	33.1	30	35050	340	673
CASB-X-900-50	1570	69.1	39.9	37	37700	395	790
CASB-X-900-60	1670	81.2	46.9	45	40100	445	822
CASB-X-900-75	1780	99.1	57.2	55	42750	510	900
CASB-X-900-100	1970	131.5	75.9	75	47300	620	1175
CASB-X-900-125	2100	158.7	91.6	90	50400	705	1242
CASB-X-900-150	2240	194.0	112.0	110	53750	805	1305
CASB-X-1000-40	1210	57.3	33.1	30	39750	295	798
CASB-X-1000-50	1300	69.1	39.9	37	42700	340	915
CASB-X-1000-60	1390	81.2	46.9	45	45650	390	947
CASB-X-1000-75	1480	99.1	57.2	55	48600	440	1025
CASB-X-1000-100	1650	131.5	75.9	75	54200	550	1300
CASB-X-1000-125	1750	158.7	91.6	90	57500	620	1367

Technical characteristics

Model	Speed (r/min)	Max. admissible current (A)		Installed power (kW)	Maximum airflow (m ³ /h)	Maximum pressure (mm H ₂ O)	Weight (Kg)
		400V	690V				
CASB-X-1000-150	1870	194.0	112.0	110	61450	705	1430
CASB-X-1000-175	1980	232.1	134.0	132	65050	790	1502
CASB-X-1120-50	1100	69.1	39.9	37	48050	305	1120
CASB-X-1120-60	1190	81.2	46.9	45	52000	360	1152
CASB-X-1120-75	1270	99.1	57.2	55	55500	410	1230
CASB-X-1120-100	1400	131.5	75.9	75	61150	495	1505
CASB-X-1120-125	1500	158.7	91.6	90	65500	570	1572
CASB-X-1120-150	1600	194.0	112.0	110	69900	645	1635
CASB-X-1120-175	1700	232.1	134.0	132	74250	730	1707
CASB-X-1120-220	1800	280.6	162.0	160	78650	820	1780
CASB-X-1250-60	980	81.2	46.9	45	63350	310	1412
CASB-X-1250-75	1050	99.1	57.2	55	67900	355	1490
CASB-X-1250-100	1160	131.5	75.9	75	75000	435	1765
CASB-X-1250-125	1230	158.7	91.6	90	79550	485	1832
CASB-X-1250-150	1320	194.0	112.0	110	85350	560	1895
CASB-X-1250-175	1400	232.1	134.0	132	90550	630	1967
CASB-X-1250-220	1500	280.6	162.0	160	97000	725	2040
CASB-X-1250-270	1600	348.1	201.0	200	103450	825	2270
CASB-X-1400-75	870	99.1	57.2	55	77450	300	1810
CASB-X-1400-100	970	131.5	75.9	75	86350	370	2085
CASB-X-1400-125	1030	158.7	91.6	90	91700	420	2152
CASB-X-1400-150	1100	194.0	112.0	110	97900	480	2215
CASB-X-1400-175	1170	232.1	134.0	132	104150	540	2287
CASB-X-1400-220	1240	280.6	162.0	160	110350	610	2360
CASB-X-1400-270	1340	348.1	201.0	200	119250	710	2590
CASB-X-1400-340	1440	438.2	253.0	250	128150	820	2680
CASB-X-1600-100	760	131.5	75.9	75	100100	290	2435
CASB-X-1600-125	810	158.7	91.6	90	106700	330	2502
CASB-X-1600-150	870	194.0	112.0	110	114600	385	2565
CASB-X-1600-175	920	232.1	134.0	132	121200	430	2637
CASB-X-1600-220	980	280.6	162.0	160	129100	485	2710
CASB-X-1600-270	1060	348.1	201.0	200	139650	570	2940
CASB-X-1600-340	1140	438.2	253.0	250	150200	660	3030
CASB-X-1600-430	1230	557.7	322.0	315	162050	765	3260



Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ηe[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Electric 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	ηe (%)	N	(kW)	(m ³ /h)	[mmH ₂ O]	(RPM)
CASB-X-710-20	C	S	NO	1.02	66.1%	65.9	12.909	13131	238.65	1690
CASB-X-710-25	C	S	NO	1.03	66.5%	66.1	15.773	14063	273.75	1810
CASB-X-710-30	C	S	NO	1.03	66.8%	66.2	18.455	14840	304.83	1910
CASB-X-710-40	C	S	NO	1.04	67.2%	66.2	25.101	16471	375.55	2120
CASB-X-710-50	C	S	NO	1.04	67.7%	66.6	30.960	17715	434.38	2280
CASB-X-710-60	C	S	NO	1.05	67.7%	66.3	37.521	18880	493.41	2430
CASB-X-710-75	C	S	NO	1.06	67.9%	66.3	45.814	20201	564.86	2600
CASB-X-710-100	C	S	NO	1.07	68.2%	66.3	62.588	22454	697.90	2890
CASB-X-800-20	C	S	NO	1.02	65.1%	65.1	11.024	11773	223.84	1380
CASB-X-800-25	C	S	NO	1.03	65.5%	65.2	13.525	12626	257.46	1480
CASB-X-800-30	C	S	NO	1.03	65.8%	65.3	16.076	13394	289.72	1570

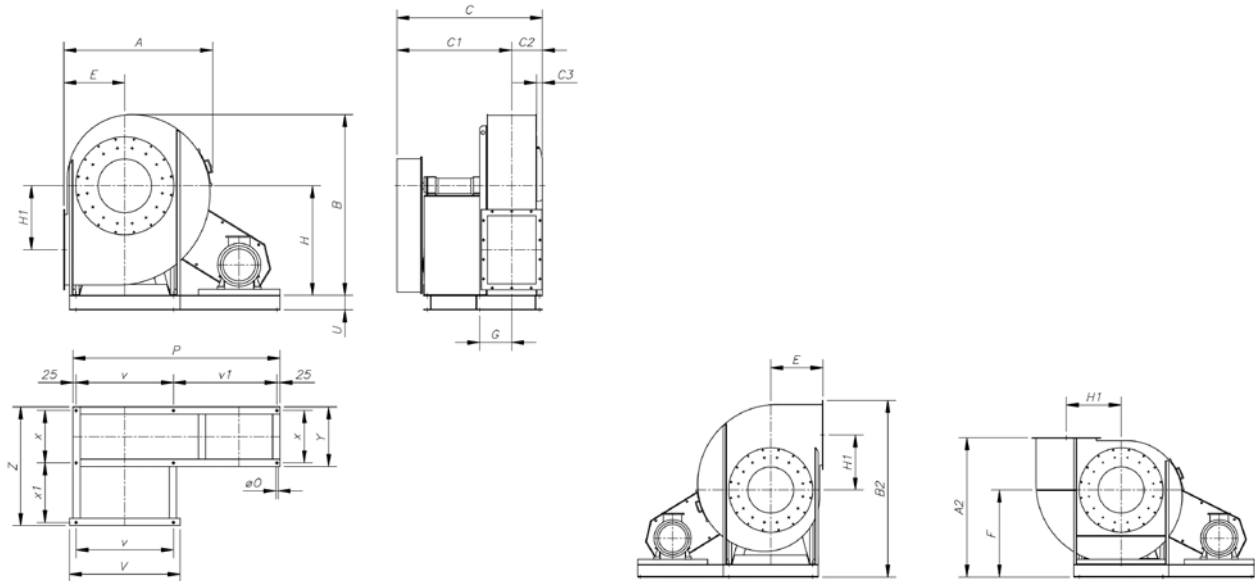


Erp. BEP (best efficiency point) characteristics

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

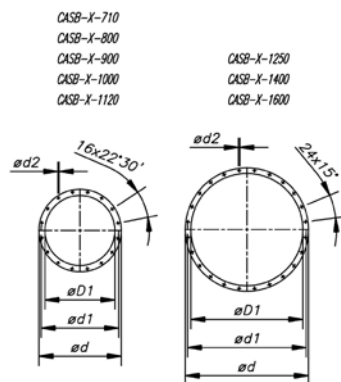
Model	MC	EC	VSD	SR	ηe (%)	N	(kW)	(m³/h)	[mmH₂O]	(RPM)
CASB-X-800-40	C	S	NO	1.04	66.1%	65.3	21.767	14844	355.86	1740
CASB-X-800-50	C	S	NO	1.04	66.7%	65.7	25.940	15782	402.28	1850
CASB-X-800-60	C	S	NO	1.05	66.6%	65.4	31.835	16891	460.80	1980
CASB-X-800-75	C	S	NO	1.05	66.8%	65.4	38.953	18086	528.27	2120
CASB-X-800-100	C	S	NO	1.07	67.2%	65.4	52.778	20048	649.11	2350
CASB-X-900-30	C	S	NO	1.02	67.3%	66.7	17.961	18194	243.65	1310
CASB-X-900-40	C	S	NO	1.03	67.6%	66.7	24.732	20278	302.64	1460
CASB-X-900-50	C	S	NO	1.04	68.2%	67.0	30.493	21805	349.96	1570
CASB-X-900-60	C	S	NO	1.04	68.1%	66.8	36.738	23194	395.96	1670
CASB-X-900-75	C	S	NO	1.05	68.3%	66.8	44.345	24722	449.85	1780
CASB-X-900-100	C	S	NO	1.06	68.7%	66.8	59.799	27361	551.01	1970
CASB-X-900-125	C	S	NO	1.06	68.8%	66.7	72.284	29166	626.13	2100
CASB-X-900-150	C	S	NO	1.07	69.0%	66.7	87.543	31111	712.39	2240
CASB-X-1000-40	C	S	NO	1.03	69.0%	68.1	24.903	25981	242.66	1210
CASB-X-1000-50	C	S	NO	1.03	69.6%	68.4	30.621	27913	280.10	1300
CASB-X-1000-60	C	S	NO	1.03	69.5%	68.1	37.471	29846	320.22	1390
CASB-X-1000-75	C	S	NO	1.04	69.7%	68.1	45.088	31778	363.03	1480
CASB-X-1000-100	C	S	NO	1.05	70.1%	68.1	62.150	35428	451.22	1650
CASB-X-1000-125	C	S	NO	1.05	70.2%	68.1	73.993	37576	507.57	1750
CASB-X-1000-150	C	S	NO	1.06	70.4%	68.0	90.094	40152	579.57	1870
CASB-X-1000-175	C	S	NO	1.07	70.5%	68.0	106.723	42514	649.76	1980
CASB-X-1120-50	C	S	NO	1.03	68.8%	67.6	31.573	31864	250.09	1100
CASB-X-1120-60	C	S	NO	1.03	68.7%	67.2	40.017	34471	292.68	1190
CASB-X-1120-75	C	S	NO	1.03	68.9%	67.3	48.488	36788	333.36	1270
CASB-X-1120-100	C	S	NO	1.04	69.3%	67.3	64.613	40554	405.10	1400
CASB-X-1120-125	C	S	NO	1.05	69.4%	67.2	79.304	43451	465.03	1500
CASB-X-1120-150	C	S	NO	1.05	69.6%	67.2	96.045	46347	529.11	1600
CASB-X-1120-175	C	S	NO	1.06	69.7%	67.1	114.962	49244	597.31	1700
CASB-X-1120-220	C	S	NO	1.07	69.9%	67.1	136.181	52141	669.65	1800
CASB-X-1250-60	C	S	NO	1.03	70.2%	68.8	38.238	36762	267.86	980
CASB-X-1250-75	C	S	NO	1.03	70.4%	68.8	46.882	39388	307.49	1050
CASB-X-1250-100	C	S	NO	1.04	70.8%	68.8	62.882	43515	375.29	1160
CASB-X-1250-125	C	S	NO	1.04	70.9%	68.8	74.810	46140	421.95	1230
CASB-X-1250-150	C	S	NO	1.05	71.1%	68.7	92.269	49517	485.96	1320
CASB-X-1250-175	C	S	NO	1.06	71.2%	68.6	109.853	52518	546.65	1400
CASB-X-1250-220	C	S	NO	1.06	71.4%	68.6	134.833	56269	627.54	1500
CASB-X-1250-270	C	S	NO	1.07	71.4%	68.4	163.637	60020	714.00	1600
CASB-X-1400-75	C	S	NO	1.03	72.0%	70.3	47.212	51206	243.57	870
CASB-X-1400-100	C	S	NO	1.03	72.4%	70.4	65.092	57092	302.78	970
CASB-X-1400-125	C	S	NO	1.04	72.5%	70.3	77.770	60623	341.40	1030
CASB-X-1400-150	C	S	NO	1.04	72.7%	70.3	94.530	64743	389.38	1100
CASB-X-1400-175	C	S	NO	1.05	72.8%	70.2	113.512	68863	440.51	1170
CASB-X-1400-220	C	S	NO	1.05	73.0%	70.2	134.847	72983	494.80	1240
CASB-X-1400-270	C	S	NO	1.06	73.0%	69.9	170.174	78869	577.82	1340
CASB-X-1400-340	C	S	NO	1.07	73.1%	69.8	210.747	84754	667.29	1440
CASB-X-1600-100	C	S	NO	1.03	72.8%	70.9	55.377	56107	263.55	760
CASB-X-1600-125	C	S	NO	1.03	72.9%	70.9	66.901	59798	299.37	810
CASB-X-1600-150	C	S	NO	1.03	73.1%	70.8	82.723	64227	345.36	870
CASB-X-1600-175	C	S	NO	1.04	73.2%	70.8	97.617	67919	386.20	920
CASB-X-1600-220	C	S	NO	1.04	73.4%	70.7	117.743	72348	438.22	980
CASB-X-1600-270	C	S	NO	1.05	73.4%	70.5	148.996	78254	512.69	1060
CASB-X-1600-340	C	S	NO	1.06	73.5%	70.4	184.955	84160	592.99	1140
CASB-X-1600-430	C	S	NO	1.07	73.8%	70.4	231.587	90804	690.32	1230

Dimensions in mm

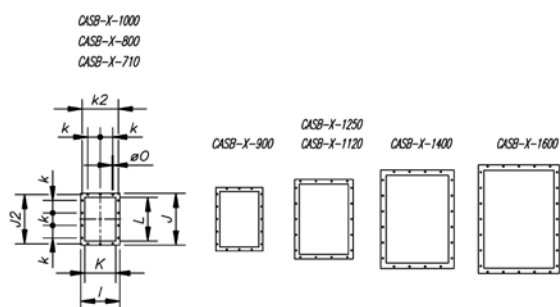


Model	A	A2	B	B2	C	C1	C2	C3	E	F	G	H	H1	P	øO	U	V	v	v1	x	x1	Y	Z
CASB-X-710	1240	1330	1505	1705	1160	907.5	252.5	47.5	500	830	263	900	525	1700	17	120	910	800	850	430	490	490	975
CASB-X-800	1375	1500	1670	1910	1290	1001.5	288.5	57.5	560	940	293	1000	585	2050	17	140	990	870	1120	495	550	555	1105
CASB-X-900	1530	1690	1795	2115	1340	1028	312	56	630	1060	318	1060	630	2150	19	160	1090	970	1120	495	601	555	1156
CASB-X-1000	1705	1890	1980	2350	1545	1192	353	66	710	1180	349	1180	710	2250	21	180	1210	1060	1120	600	668	670	1338
CASB-X-1120	1915	2100	2220	2610	1705	1306	399	77	800	1300	394	1320	800	2390	24	180	1350	1200	1120	670	753	750	1503
CASB-X-1250	2050	2260	2490	2910	1905	1466	439	74	830	1430	454	1500	900	2520	24	180	1480	1320	1120	750	853	830	1683
CASB-X-1400	2310	2450	2745	2930	2070	1575	495	-	950	1500	494	1650	1000	2700	24	180	1660	1500	1120	800	938	880	1818
CASB-X-1600	2580	2760	3070	3265	2355	1798	557	-	1060	1700	599	1850	1120	2920	24	200	1880	1700	1120	900	1103	1000	2103

Inlet



Outlet



Model	øD1*	ød	øD1	øD2	I	J	J2	K	k	k2	L	øO
CASB-X-710	566	666	629	11.5	500	660	629	400	160	464	560	14
CASB-X-800	636	736	698	11.5	550	730	698	450	160	513	630	14
CASB-X-900	716	816	775	11.5	600	810	775	500	160	567	710	14
CASB-X-1000	806	906	861	14	680	920	871	560	200	639	800	14
CASB-X-1120	906	1006	958	14	750	1020	968	630	200	708	900	14
CASB-X-1250	1007	1107	1067	14	830	1120	1077	710	200	785	1000	14
CASB-X-1400	1128	1248	1200	14	940	1260	1210	800	200	881	1120	18
CASB-X-1600	1260	1380	1337	14	1040	1390	1347	900	200	978	1250	18

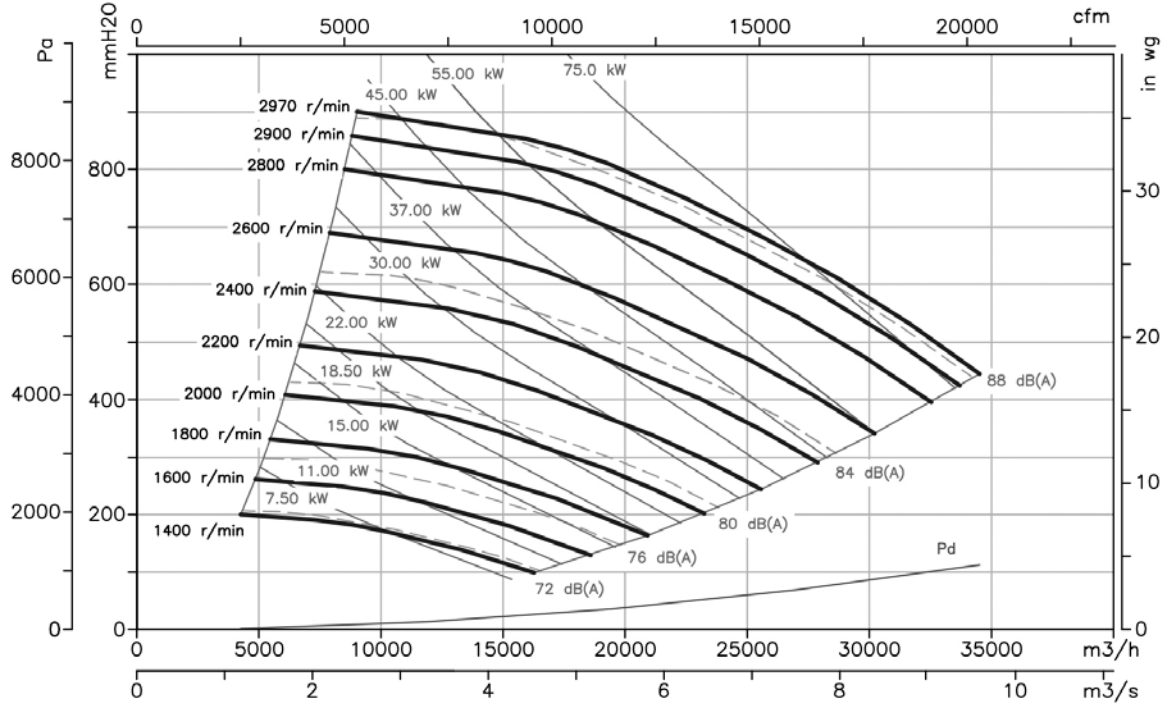
* Recommended nominal diameter for duct

Characteristic Curves

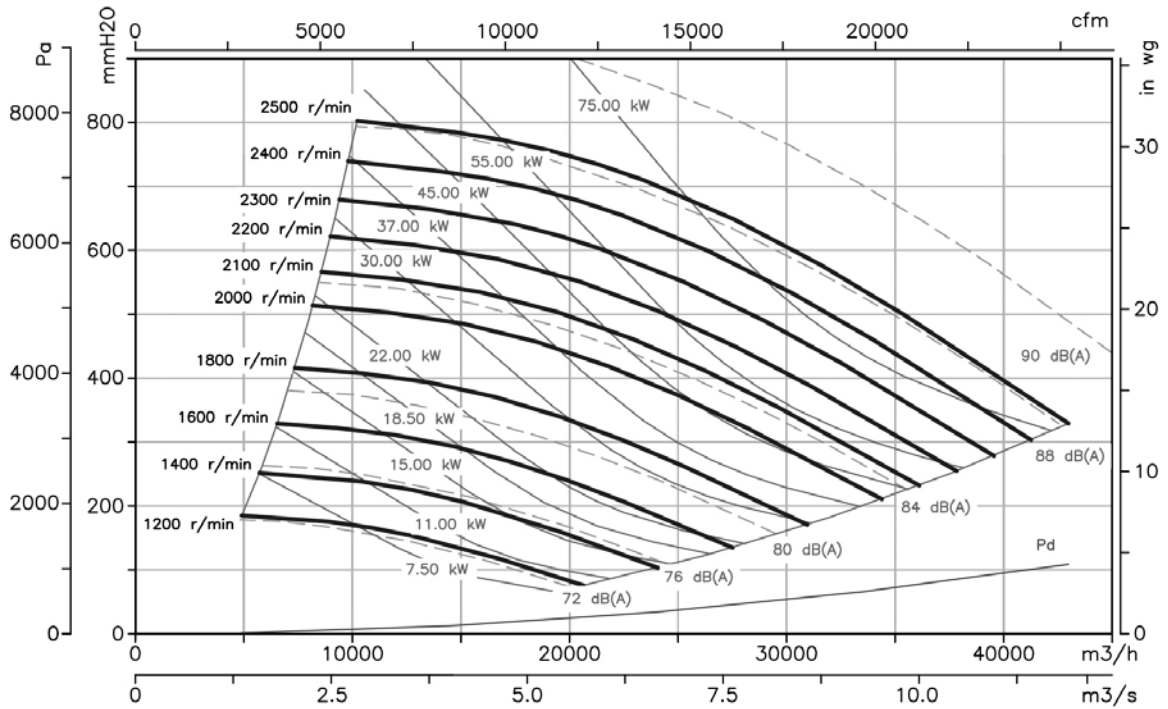
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

CASB-X 710



CASB-X 800

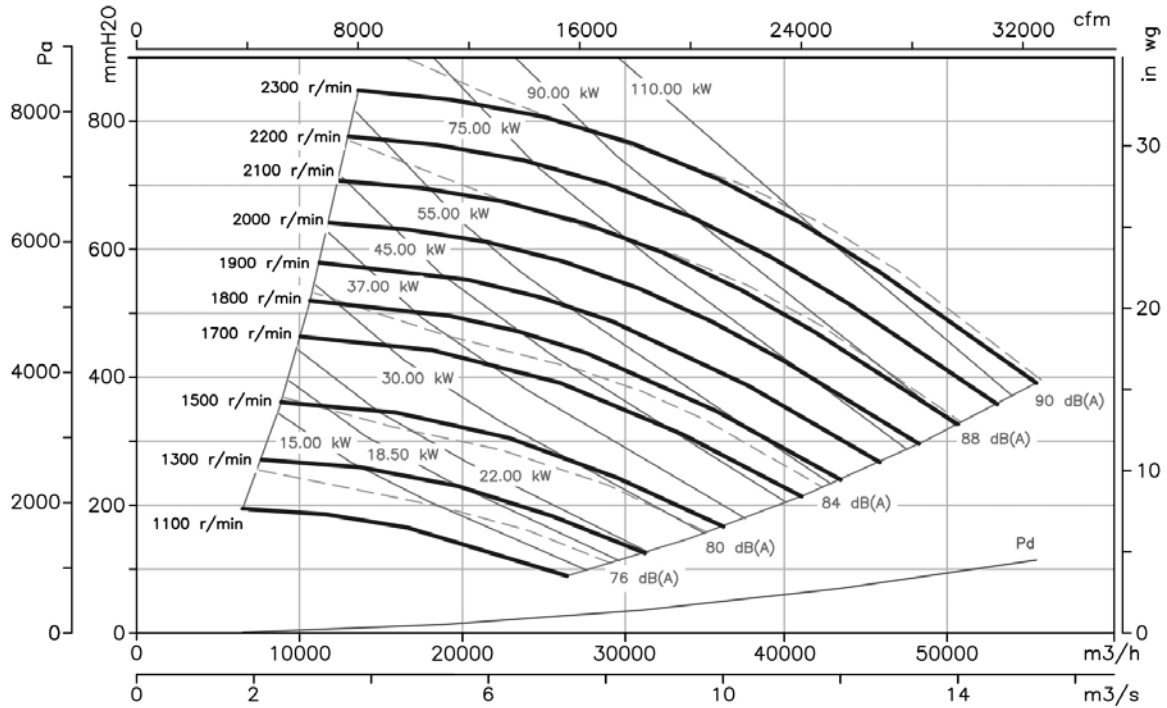


Characteristic Curves

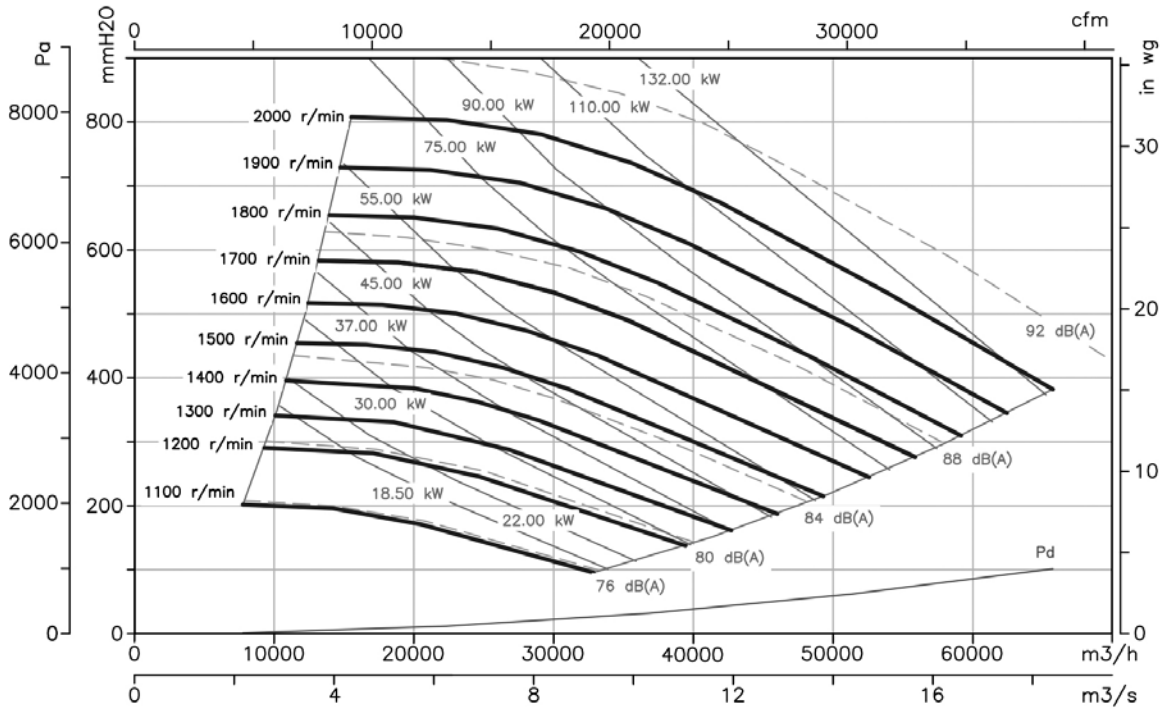
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

CASB-X 900



CASB-X 1000

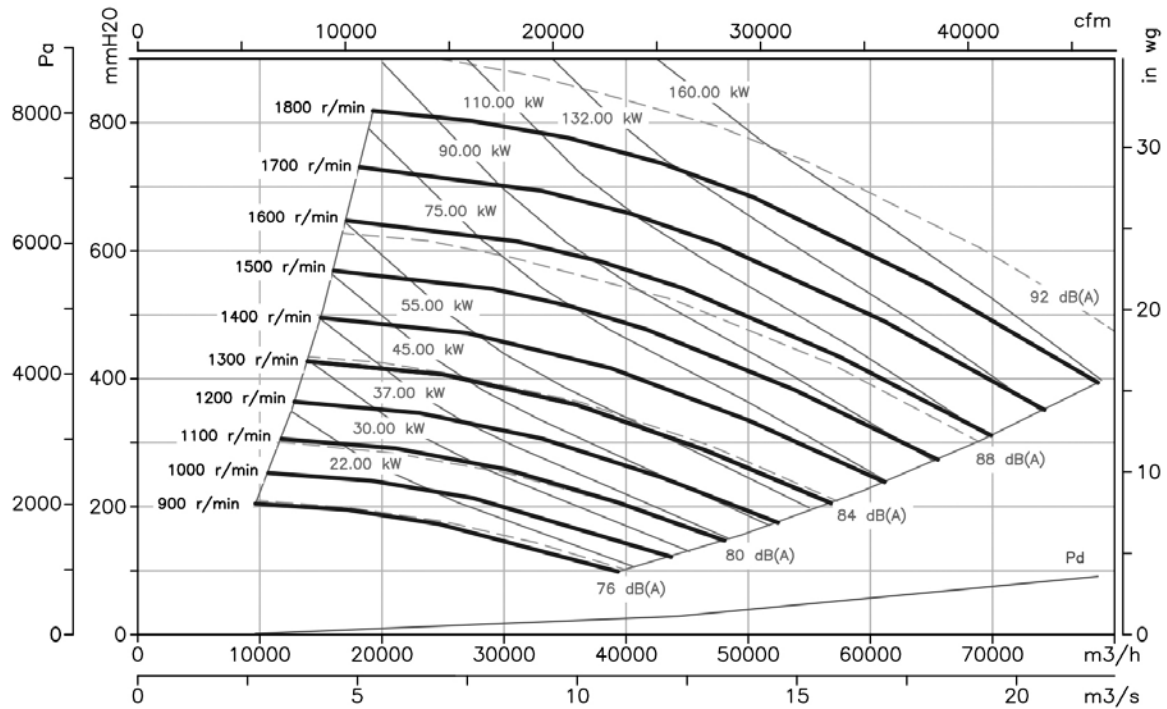


Characteristic Curves

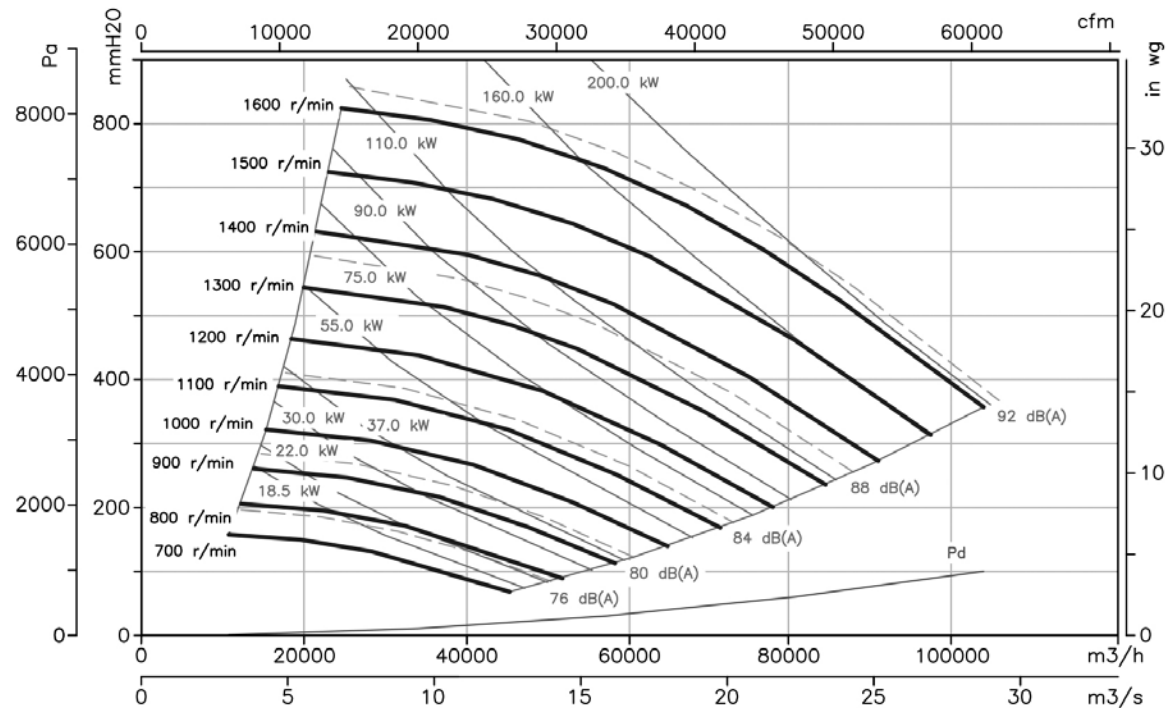
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

CASB-X 1120



CASB-X 1250

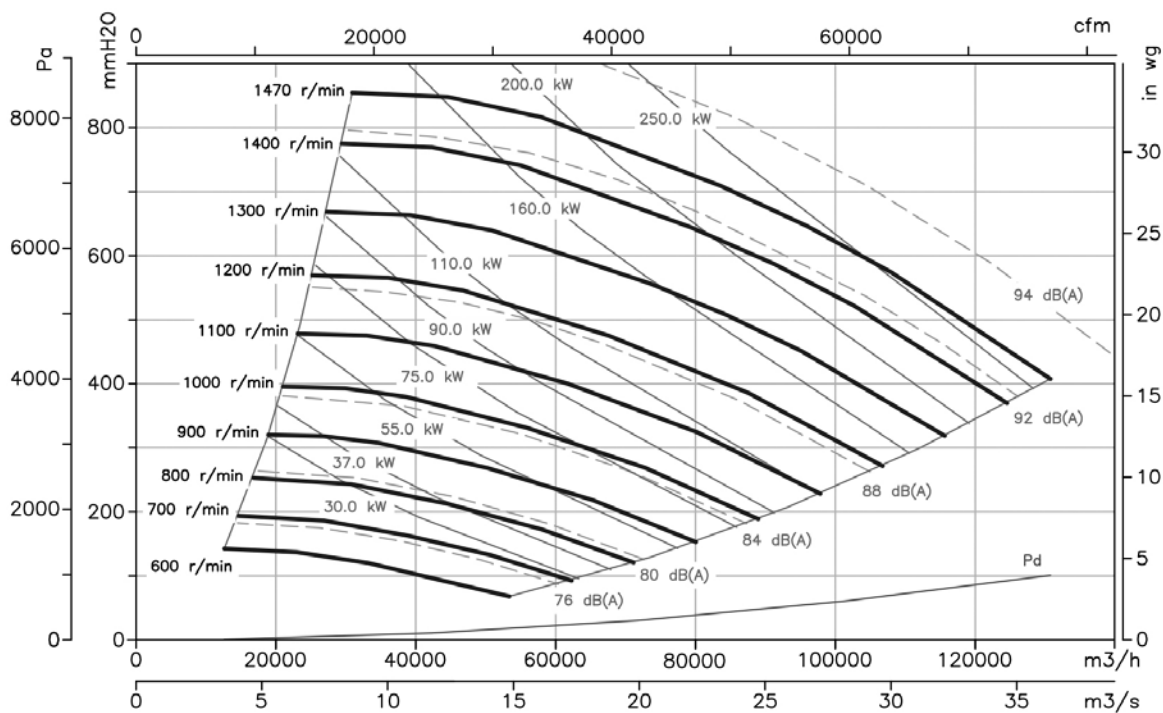


Characteristic Curves

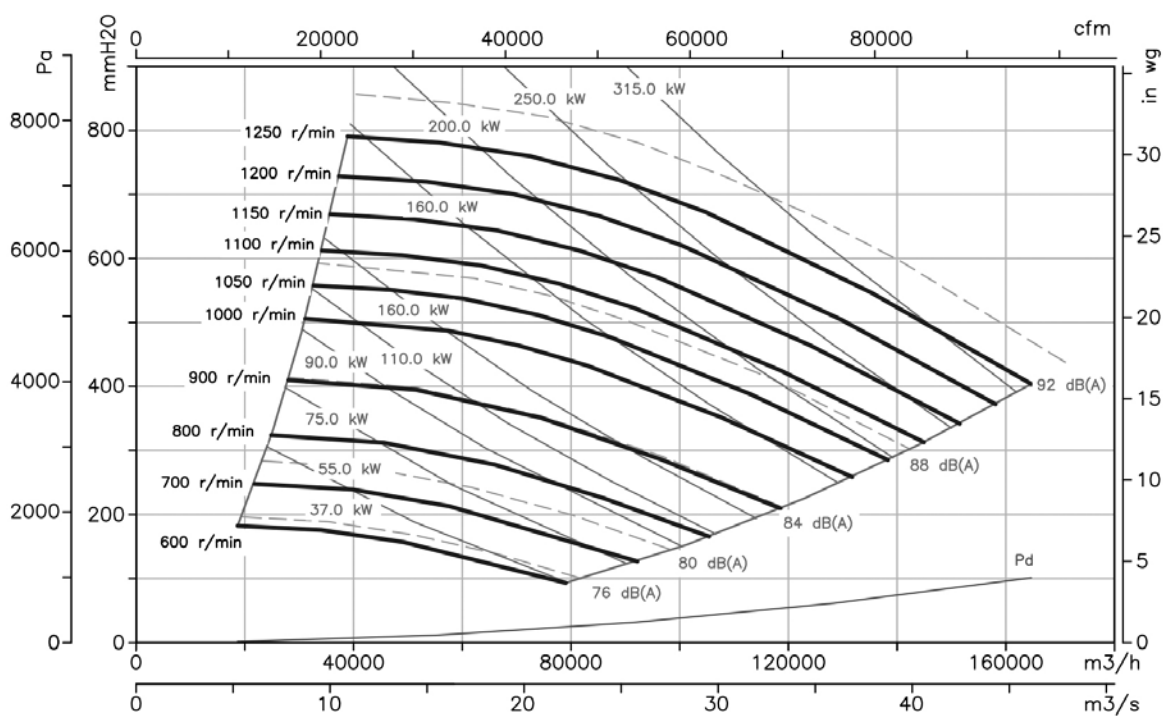
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and in wg

CASB-X 1400

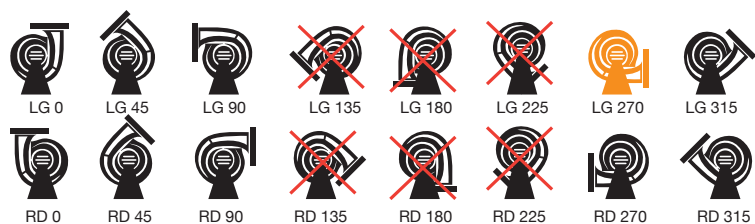


CASB-X 1600



Fan Handings

LG 270 standard supply



Accessories

See accessories section.



CMRH

Belt-driven centrifugal fans with belt and pulley guard to ISO 13857 and 150mm of insulation



External lubricators to facilitate maintenance

Fan:

- Manufactured from heavy gauge steel
- Backward curved, robust steel impeller
- Cast metal bearing housings
- For horizontal operation
- External grease points

Motor:

- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW. except single-phase. 2 speed and 8 pole motors.
- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Transported air temperature of between -20°C and 300°C

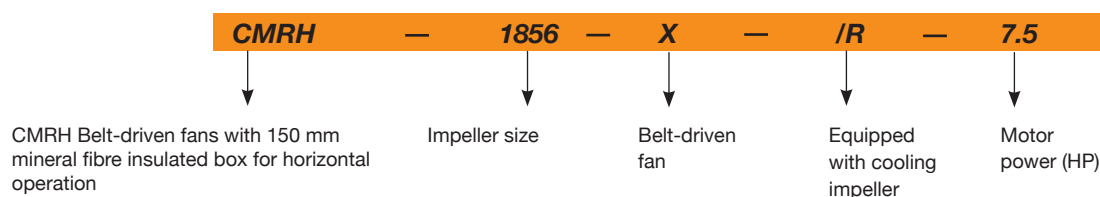
Finish:

- Heat resistant paint

On request:

- Special windings for different electrical supplies
- Fans designed to transport air up to 400°C
- Vertical mounting operation
- IE2 and IE3 efficiency motors assembled on any unit

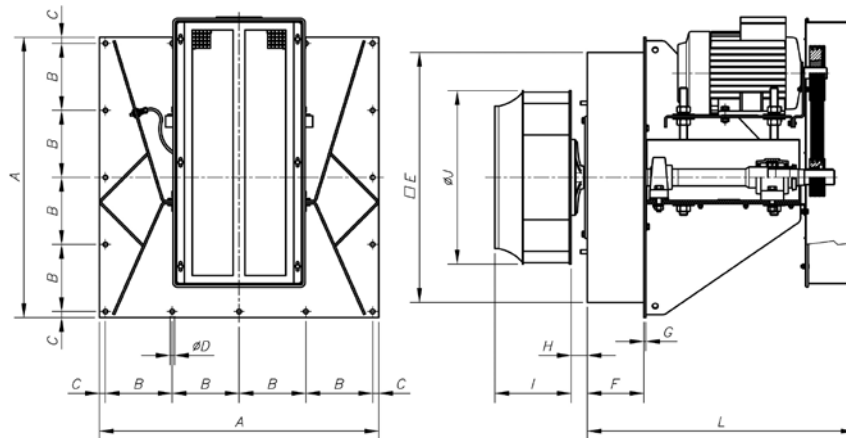
Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
CMRH-1445-X/R-3	1700	8.36	4.83		2.20	9620	79	203
CMRH-1445-X/R-4	1910	10.96	6.33		3.00	10810	81	207
CMRH-1445-X/R-5.5	2120	14.10	8.12		4.00	12000	83	226
CMRH-1650-X/R-4	1530	10.96	6.33		3.00	9910	80	212
CMRH-1650-X/R-5.5	1720	14.10	8.12		4.00	11140	82	231
CMRH-1650-X/R-7.5	1910		11.60	6.72	5.50	12370	84	250
CMRH-1856-X/R-5.5	1365	14.10	8.12		4.00	14210	79	241
CMRH-1856-X/R-7.5	1535		11.60	6.72	5.50	15980	81	260
CMRH-1856-X/R-10	1705		14.20	8.20	7.50	17780	83	273
CMRH-2063-X/R-7.5	1365		11.60	6.72	5.50	22860	82	265
CMRH-2063-X/R-10	1515		14.20	8.20	7.50	25370	84	278
CMRH-2063-X/R-15	1700		20.20	11.60	11.00	28470	86	305
CMRH-2271-X/R-15	1370		20.20	11.60	11.00	32300	87	350
CMRH-2271-X/R-20	1540		27.50	15.90	15.00	36300	90	375
CMRH-2380-X/R-25	1280		35.00	20.00	18.50	43885	83	405
CMRH-2380-X/R-30	1365		42.00	24.00	22.00	46800	85	422

Dimensions in mm



Model	A	B	C	øD	E	F	G	H	I	øJ	L
CMRH-1445-X/R-3	740	177	16	12	660	150	5	43	202	458	710
CMRH-1445-X/R-4	740	177	16	12	660	150	5	43	202	458	710
CMRH-1445-X/R-5.5	740	177	16	12	660	150	5	43	202	458	710
CMRH-1650-X/R-4	740	177	16	12	660	150	5	43	224	508	710
CMRH-1650-X/R-5.5	740	177	16	12	660	150	5	43	224	508	710
CMRH-1650-X/R-7.5	740	177	16	12	660	150	5	43	224	508	710
CMRH-1856-X/R-4	800	192	16	12	720	150	5	43	245.5	573	816
CMRH-1856-X/R-5.5	800	192	16	12	720	150	5	43	245.5	573	816
CMRH-1856-X/R-7.5	800	192	16	12	720	150	5	43	245.5	573	816
CMRH-2063-X/R-7.5	800	192	16	12	720	150	5	43	274	644	816
CMRH-2063-X/R-10	800	192	16	12	720	150	5	43	274	644	816
CMRH-2063-X/R-15	800	192	16	12	720	150	5	43	274	644	816
CMRH-2271-X/R-15	970	233	20	14	870	150	5	43	295	719	817
CMRH-2271-X/R-20	970	233	20	14	870	150	5	43	295	719	817
CMRH-2380-X/R-25	970	232.5	20	14	870	150	5	53.5	400	810	902
CMRH-2380-X/R-30	970	232.5	20	14	870	150	5	53.5	400	810	902

Accessories

See accessories section.

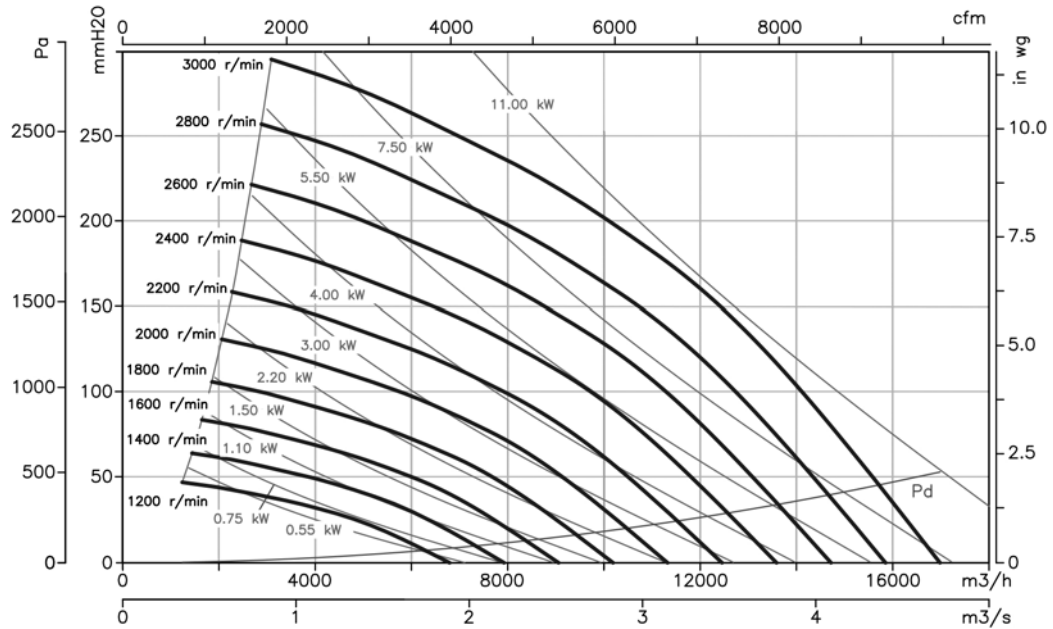


Characteristic Curves

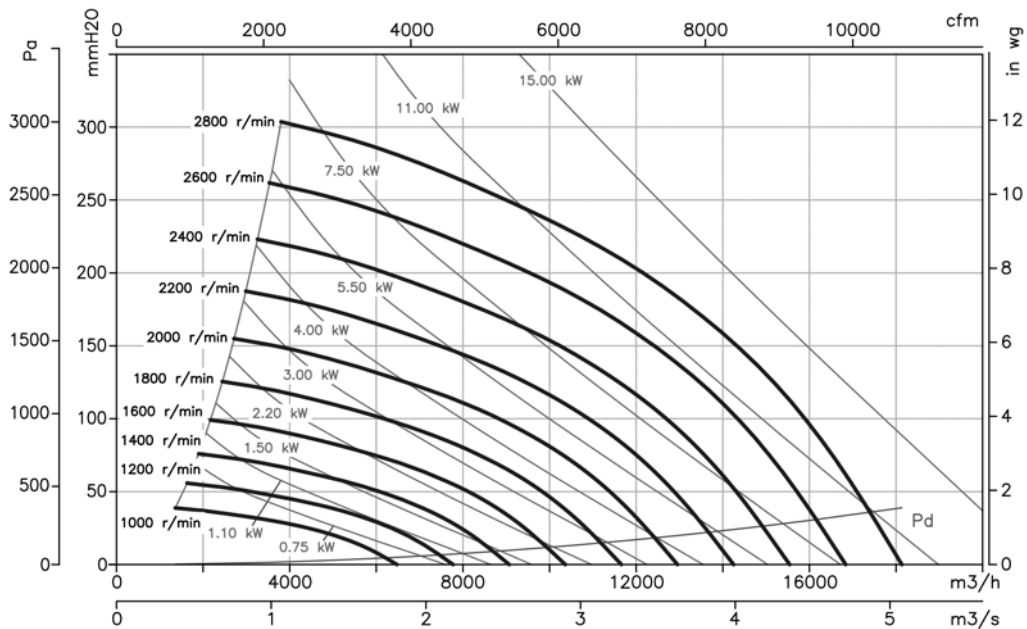
Q = Airflow in m³/h, m³/s and cfm

Pe= Static pressure in mmH₂O, Pa and inwg

CMRH 1445



CMRH 1650

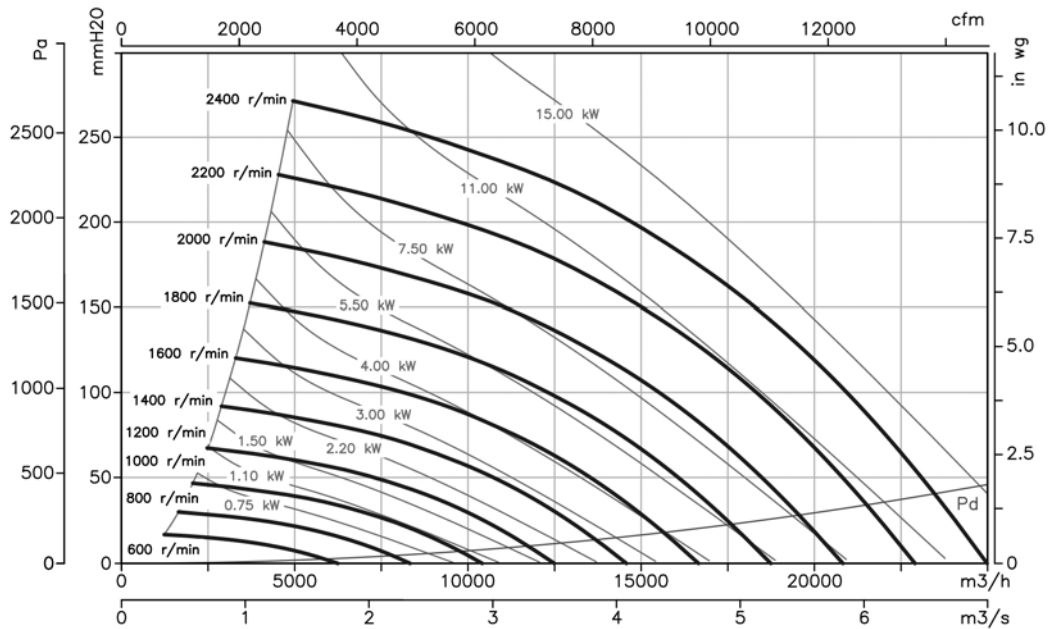


Characteristic Curves

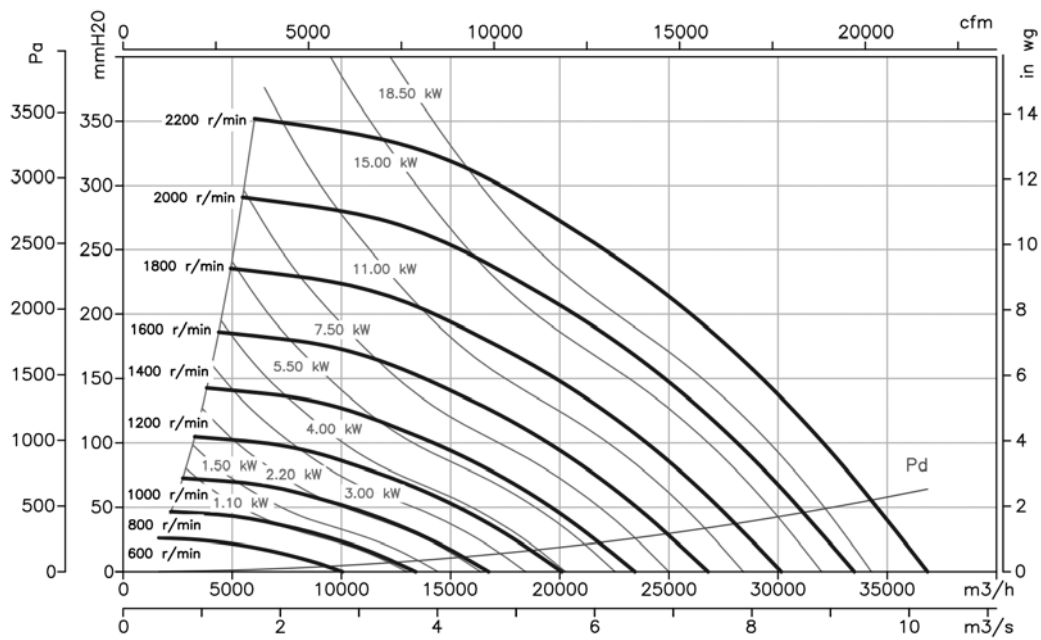
Q = Airflow in m³/h, m³/s and cfm

Pe= Static pressure in mmH₂O, Pa and inwg

CMRH 1856



CMRH 2063

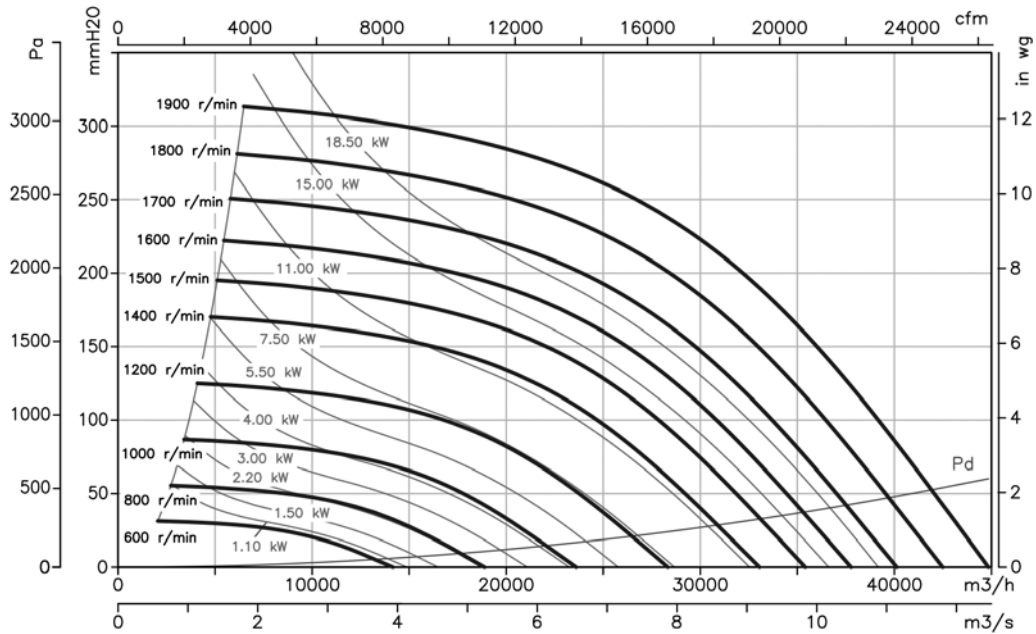


Characteristic Curves

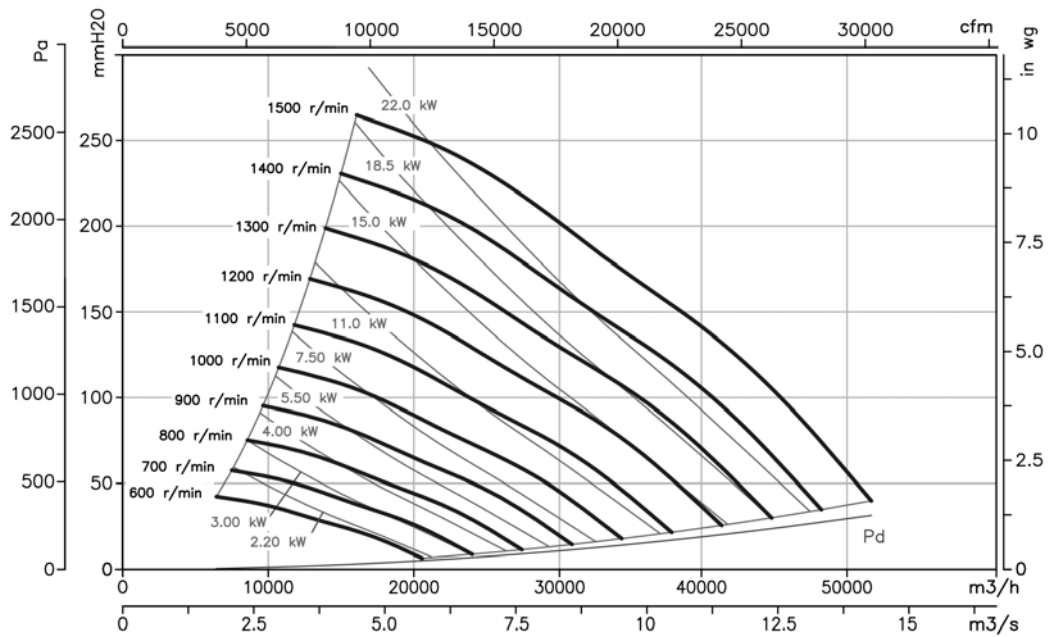
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

CMRH 2271



CMRH 2380



HFW

**Hot galvanised cased fans**

Cased axial fans designed with four support arms to reduce vibration, and fitted with low energy consumption aerodynamic blade.

**Fan:**

- Airflow direction from motor to blade
- AL version blades in cast aluminium
- Support ring in sheet steel with double clamp and cable duct for motor power supply.
- Hot galvanised sheet steel long casing.

Motor:

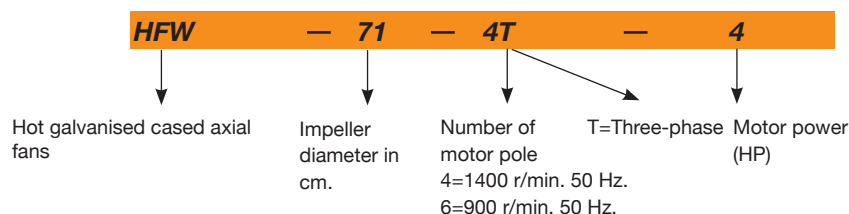
- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW. except single-phase. 2 speed and 8 pole motors.
- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Fan working temperature: -25°C+ 50°C.

Finish:

- Hot galvanised steel

On request:

- Airflow direction from impeller to motor.
- PL version impellers in polyamide with fibreglass.
- 100% reversible impellers
- Special windings for different electrical supplies
- ATEX certification, category 2
- IE2 and IE3 efficiency motors assembled on any unit

Order code**Technical characteristics**

Model	Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Impeller blade angle(°)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Weight approx. (Kg)
		230V	400V	690V					
HFW-56-4T-1	1410	3.10	1.79		0.75	22	11250	73	28
HFW-56-4T-1.5	1400	4.03	2.32		1.10	30	13600	74	32
HFW-56-4T-2	1430	5.96	3.44		1.50	36	15050	75	30
HFW-56-6T-0.75	910	2.59	1.49		0.55	38	10150	62	23
HFW-63-4T-1	1410	3.10	1.79		0.75	14	15200	73	29
HFW-63-4T-1.5	1400	4.03	2.32		1.10	20	17800	74	32
HFW-63-4T-2	1430	5.96	3.44		1.50	24	19300	75	35
HFW-63-4T-3	1445	8.36	4.83		2.20	32	22150	76	43
HFW-63-4T-4	1445	10.96	6.33		3.00	38	24250	77	45
HFW-63-6T-0.75	910	2.59	1.49		0.55	28	13600	65	29
HFW-63-6T-1	945	3.90	2.20		0.75	38	15900	66	35
HFW-71-4T-1.5	1400	4.03	2.32		1.10	12	19500	78	35
HFW-71-4T-2	1430	5.96	3.44		1.50	14	20900	79	38
HFW-71-4T-3	1445	8.36	4.83		2.20	22	25100	81	47
HFW-71-4T-4	1445	10.96	6.33		3.00	28	27500	82	49
HFW-71-6T-0.75	910	2.59	1.49		0.55	20	16100	67	31
HFW-71-6T-1	945	3.90	2.20		0.75	26	17300	68	38
HFW-71-6T-1.5	945	4.88	2.82		1.10	34	19950	69	40
HFW-80-4T-3	1445	8.36	4.83		2.20	12	25450	82	55
HFW-80-4T-4	1445	10.96	6.33		3.00	16	30250	83	57
HFW-80-4T-5.5	1440	14.10	8.12		4.00	18	32750	84	62
HFW-80-6T-1.5	945	4.88	2.82		1.10	18	21450	72	48
HFW-80-6T-2	955	6.42	3.71		1.50	26	25950	73	54
HFW-80-6T-3	955	9.30	5.30		2.20	32	29950	74	59
HFW-90-4T-4	1445	10.96	6.33		3.00	8	33600	87	66
HFW-90-4T-5.5	1440	14.10	8.12		4.00	12	38900	89	71
HFW-90-4T-7.5	1440		10.60	6.14	5.50	18	46150	91	87
HFW-90-4T-10	1465		8.06	13.90	7.50	22	50150	92	98
HFW-90-6T-2	955	6.42	3.71		1.50	16	28800	77	63
HFW-90-6T-3	955	9.30	5.30		2.20	24	34000	78	68
HFW-90-6T-4	960	12.70	7.30		3.00	30	38900	79	92
HFW-100-4T-7.5	1440		10.60	6.14	5.50	10	46850	92	95
HFW-100-4T-10	1465		8.06	13.90	7.50	16	57400	93	106
HFW-100-4T-15	1470		20.90	12.10	11.00	22	66300	94	129
HFW-100-4T-20	1470		28.30	16.40	15.00	28	76150	95	148
HFW-100-6T-3	955	9.30	5.30		2.20	16	37600	82	76
HFW-100-6T-4	960	12.70	7.30		3.00	20	41150	83	100
HFW-100-6T-5.5	960	16.50	9.46		4.00	26	47800	84	108

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's external diameter plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

	63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000
HFW-56-4T-1	48	68	76	81	83	80	73	62	HFW-80-4T-4	56	76	84	89	91	88	81	74
HFW-56-4T-1.5	49	69	77	82	84	81	74	63	HFW-80-4T-5.5	56	76	84	89	91	88	81	70
HFW-56-4T-2	50	70	78	83	85	82	75	64	HFW-80-6T-1.5	49	66	74	79	81	78	71	60
HFW-56-4T-0.75	37	57	65	70	72	69	62	51	HFW-80-6T-2	50	67	75	80	82	79	72	61
HFW-63-4T-1	50	70	78	83	85	82	75	64	HFW-80-6T-3	51	68	76	81	83	80	73	62
HFW-63-4T-1.5	48	68	76	81	83	80	73	65	HFW-90-4T-4	61	82	89	94	97	93	86	79
HFW-63-4T-2	52	68	76	81	83	80	73	66	HFW-90-4T-5.5	60	81	88	93	96	92	85	74
HFW-63-4T-3	53	70	78	83	85	82	77	67	HFW-90-4T-7.5	59	80	87	92	95	91	84	73
HFW-63-4T-4	54	71	79	84	86	83	78	68	HFW-90-4T-10	58	79	86	91	94	90	83	72
HFW-63-6T-0.75	42	60	68	73	75	72	65	56	HFW-90-6T-2	58	79	86	91	94	90	83	72
HFW-63-6T-1	43	62	70	75	77	74	67	57	HFW-90-6T-3	56	70	77	82	85	81	74	63
HFW-71-4T-1.5	54	74	82	87	89	86	79	69	HFW-90-6T-4	57	72	79	84	87	83	76	65
HFW-71-4T-2	53	73	81	86	88	85	78	70	HFW-100-4T-7.5	64	84	92	97	99	96	89	78
HFW-71-4T-3	58	72	80	85	87	84	77	71	HFW-100-4T-10	62	82	90	95	97	94	87	76
HFW-71-4T-4	59	73	81	86	88	85	78	72	HFW-100-4T-15	61	81	89	94	96	93	86	75
HFW-71-6T-0.75	44	63	72	74	76	73	66	55	HFW-100-4T-20	63	83	91	96	98	95	88	77
HFW-71-6T-1	45	65	73	75	77	74	67	56	HFW-100-6T-3	61	72	80	85	87	84	77	66
HFW-71-6T-1.5	46	66	71	76	78	75	68	57	HFW-100-6T-4	64	72	80	85	87	84	77	66
HFW-80-4T-3	57	77	85	90	92	89	82	73	HFW-100-6T-5.5	64	73	81	86	88	85	78	67

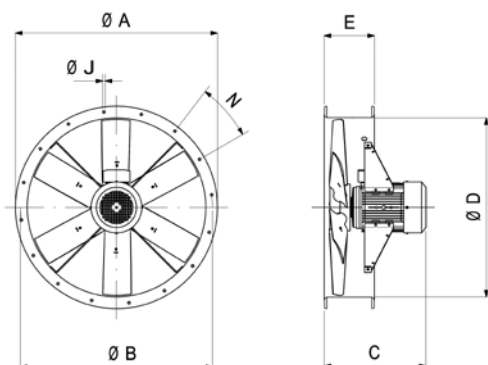


Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ne[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Electric 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)	(mmH₂O)	(RPM)
HFW-56-4T-1	A	S	NO	1.00	37.2%	44.1	0.837	7959	14.38	1438
HFW-63-4T-1	C	S	NO	1.00	49.8%	56.5	0.868	9291	17.07	1436
HFW-63-4T-1.5	C	S	NO	1.00	47.9%	53.7	1.193	10625	19.76	1447
HFW-63-4T-2	C	S	NO	1.00	42.3%	47.4	1.551	12026	20.03	1449
HFW-63-4T-3	B	T	NO	1.00	61.9%	65.8	2.447	20324	27.38	1439
HFW-63-4T-4	B	T	NO	1.00	62.6%	65.9	3.020	24239	28.64	1440
HFW-63-6T-0.75	B	T	NO	1.00	57.7%	65.4	0.611	12174	10.64	949
HFW-63-6T-1	B	T	NO	1.00	57.1%	63.7	0.930	15880	12.29	942
HFW-71-4T-1.5	C	S	NO	1.00	47.9%	53.4	1.346	12330	19.20	1440
HFW-71-4T-2	C	S	NO	1.00	48.4%	53.6	1.495	13405	19.83	1450
HFW-71-4T-3	C	S	NO	1.00	42.8%	46.8	2.369	17056	21.84	1441
HFW-71-4T-4	C	S	NO	1.00	40.7%	44.0	2.976	19369	22.96	1441
HFW-71-6T-0.75	C	S	NO	1.00	40.3%	47.7	0.678	10743	9.35	944
HFW-71-6T-1	C	S	NO	1.00	38.4%	45.2	0.842	12404	9.58	947
HFW-71-6T-1.5	C	S	NO	1.00	34.0%	40.1	1.103	14226	9.69	955
HFW-80-4T-3	C	S	NO	1.00	47.0%	51.0	2.417	16923	24.69	1440
HFW-80-4T-4	C	S	NO	1.00	44.5%	47.4	3.404	20444	27.19	1432
HFW-80-4T-5.5	C	S	NO	1.00	43.6%	46.1	4.011	22304	28.78	1457
HFW-80-6T-1.5	C	S	NO	1.00	40.2%	45.9	1.224	14613	12.35	951
HFW-80-6T-2	C	S	NO	1.00	39.2%	44.0	1.764	17576	14.46	962
HFW-80-6T-3	C	S	NO	1.00	37.1%	41.1	2.317	20444	15.44	956
HFW-90-4T-4	C	S	NO	1.00	51.9%	55.2	3.028	19656	29.36	1440
HFW-90-4T-5.5	C	S	NO	1.00	50.5%	53.0	4.049	25081	29.94	1456
HFW-90-4T-7.5	C	S	NO	1.00	47.7%	49.0	6.251	31521	34.72	1465
HFW-90-4T-10	C	S	NO	1.01	46.1%	46.8	7.730	35009	37.36	1467
HFW-90-6T-2	C	S	NO	1.00	45.8%	50.8	1.625	19416	14.08	965
HFW-90-6T-3	C	S	NO	1.00	41.1%	44.8	2.615	23753	16.64	950
HFW-90-6T-4	C	S	NO	1.00	37.7%	40.6	3.515	27183	17.92	970
HFW-100-4T-7.5	C	S	NO	1.00	52.1%	53.9	5.240	30466	32.94	1471
HFW-100-4T-10	C	S	NO	1.00	48.9%	49.4	8.112	37591	38.73	1466
HFW-100-4T-15	C	S	NO	1.01	44.7%	44.3	11.841	44571	43.65	1470
HFW-100-4T-20	C	S	NO	1.01	41.3%	40.1	15.684	50259	47.37	1471
HFW-100-6T-3	C	S	NO	1.00	45.0%	48.9	2.474	24629	16.62	953
HFW-100-6T-4	C	S	NO	1.00	43.9%	47.1	3.131	27632	18.28	974
HFW-100-6T-5.5	C	S	NO	1.00	38.9%	41.2	4.429	32373	19.56	971

Dimensions in mm

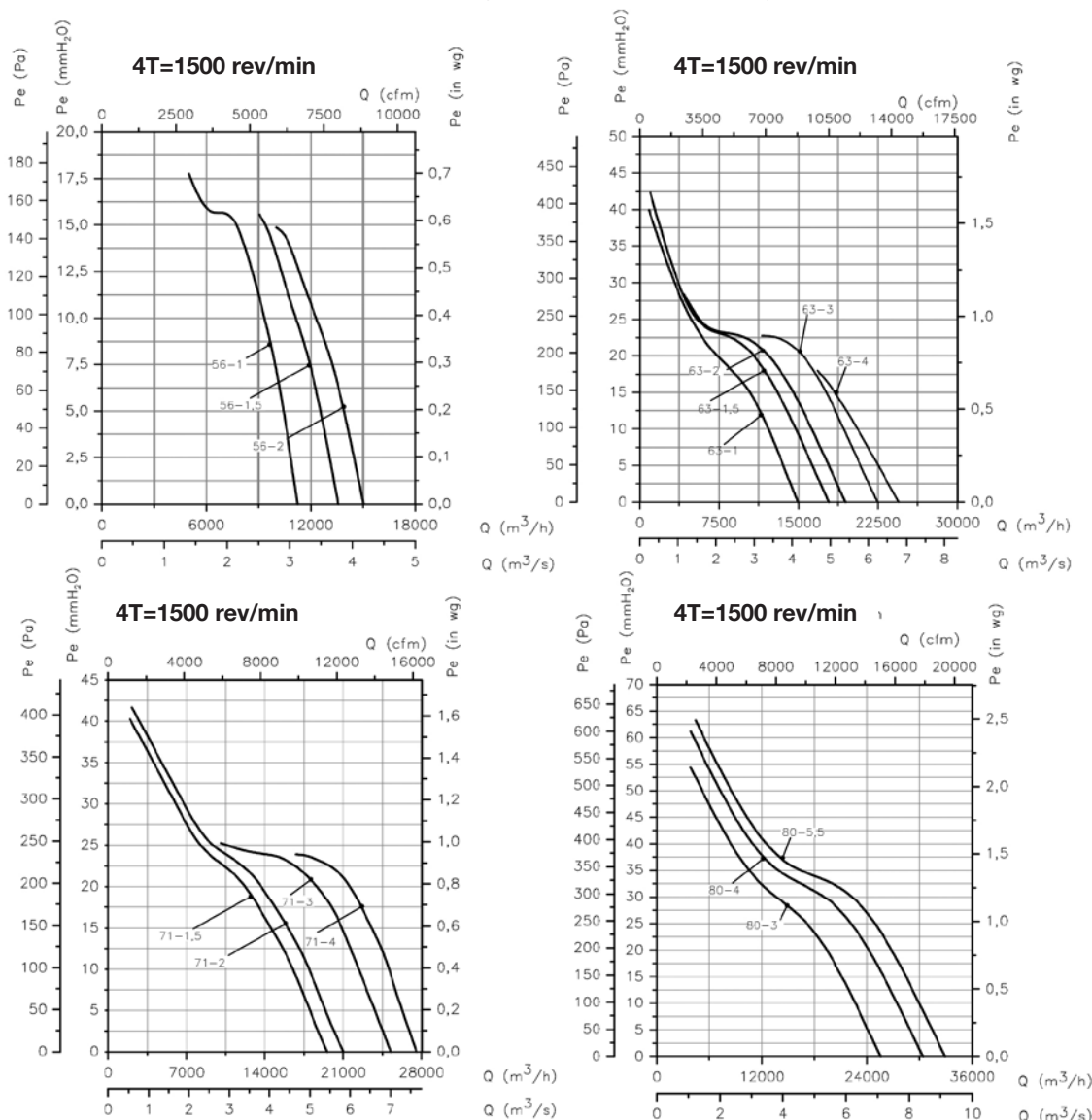


	ØA	ØB	C												ØD	E	ØJ	N
			0.75	1	1.5	2	3	4	5.5	7.5	10	15	20					
HFW-56-4	665	620	-	330	380	380	-	-	-	-	-	-	-	560	225	12	12x30°	
HFW-56-6	665	620	330	-	-	-	-	-	-	-	-	-	-	560	225	12	12x30°	
HFW-63-4	735	690	-	379	429	429	470	470	-	-	-	-	-	640	225	12	12x30°	
HFW-63-6	735	690	379	429	-	-	-	-	-	-	-	-	-	640	225	12	12x30°	
HFW-71-4	815	770	-	-	389	389	430	430	-	-	-	-	-	710	225	12	16x22°30'	
HFW-71-6	815	770	339	389	389	-	-	-	-	-	-	-	-	710	225	12	16x22°30'	
HFW-80-4	905	860	-	-	-	-	436	436	460	-	-	-	-	800	225	12	16x22°30'	
HFW-80-6	905	860	-	-	395	436	460	-	-	-	-	-	-	800	225	12	16x22°30'	
HFW-90-4	1018	970	-	-	-	-	-	401	425	485	525	-	-	900	225	15	16x22°30'	
HFW-90-6	1018	970	-	-	-	401	425	485	-	-	-	-	-	900	225	15	16x22°30'	
HFW-100-4	1118	1070	-	-	-	-	-	-	-	488	528	643	703	1000	225	15	16x22°30'	
HFW-100-6	1118	1070	-	-	-	-	428	488	528	-	-	-	-	1000	225	15	16x22°30'	

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

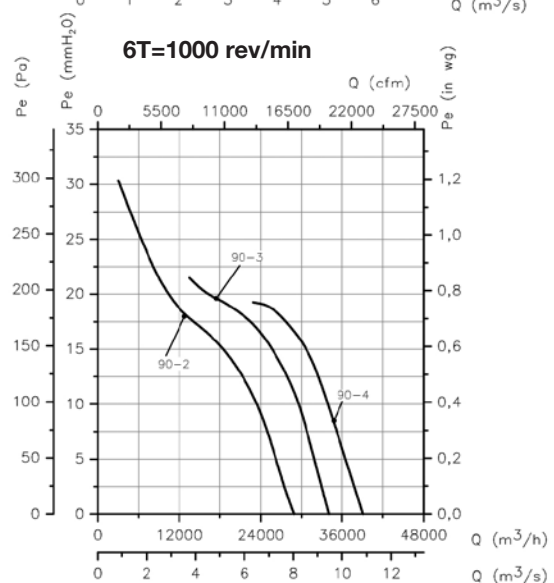
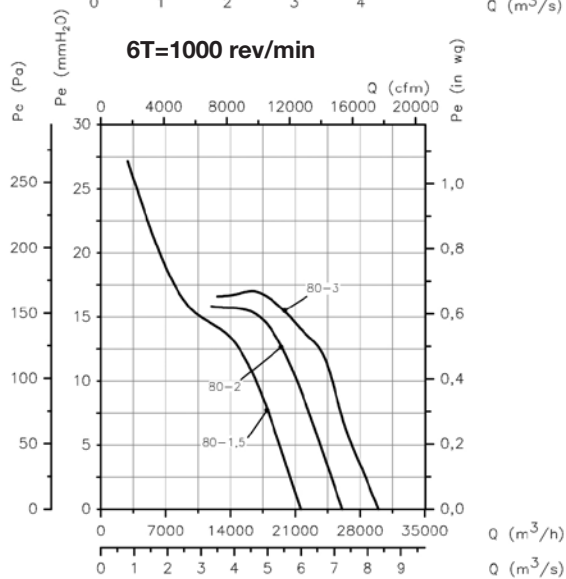
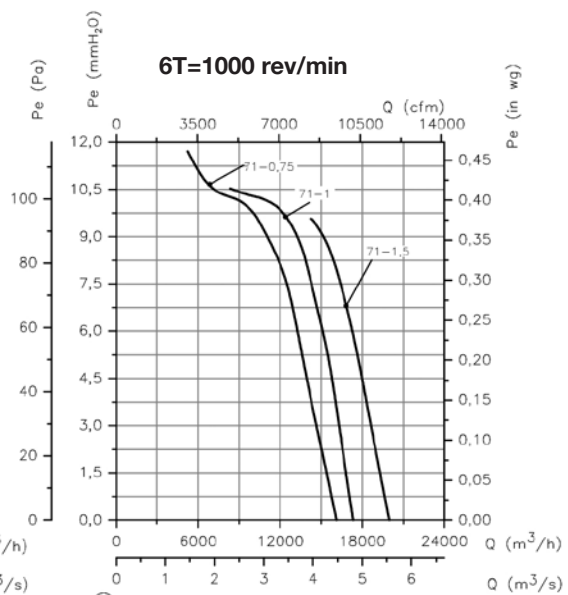
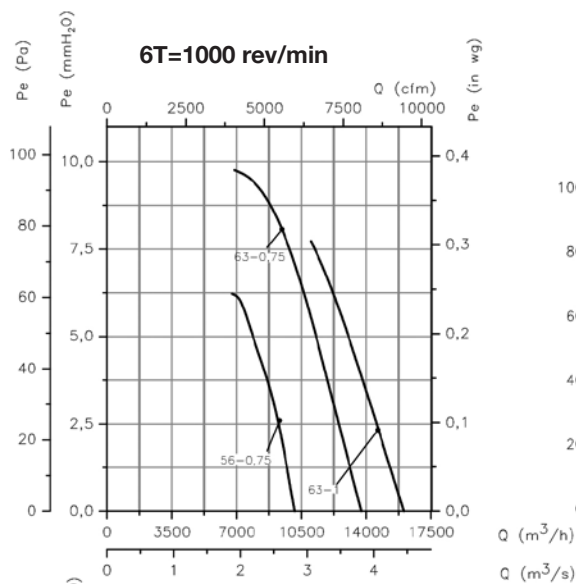
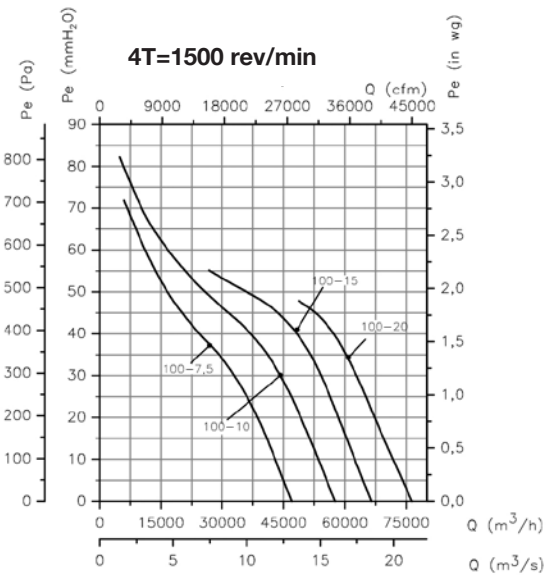
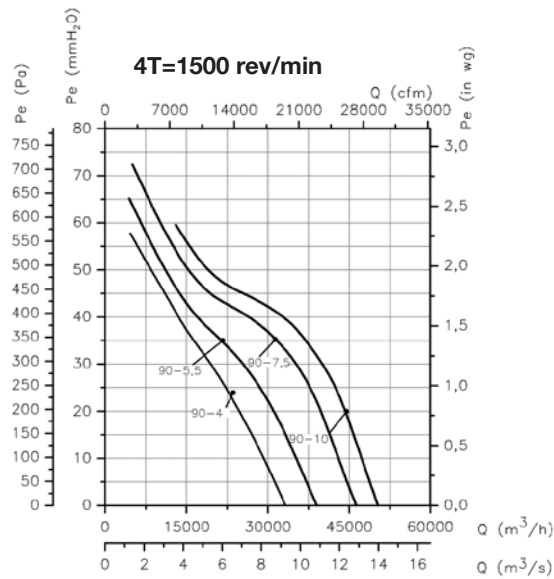
Pe = Static pressure in mmH₂O, Pa and inwg



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

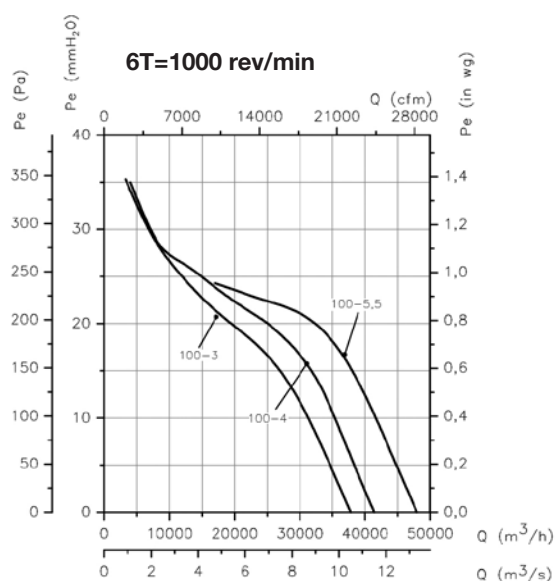
Pe = Static pressure in mmH₂O, Pa and inwg



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Accessories

See accessories section.



HTP

Cased high-pressure axial fans

Robust cased high-pressure axial fans. especially designed for mining installations with large losses of load



High pressure blade

Fan:

- Sheet steel thick long casing
- Motor base welded to the casing
- Guidelines for high aerodynamic performance for pressure gain
- Optimum surface protection by means of high-quality steel.
- High-performance. cast aluminium impeller.
- Airflow direction from impeller to motor
- Electrical connection in outside terminal board.

Motor:

- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW, except single-phase, 2 speed and 8 pole motors.
- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Working temperature: -20°C. +70°C.

On request:

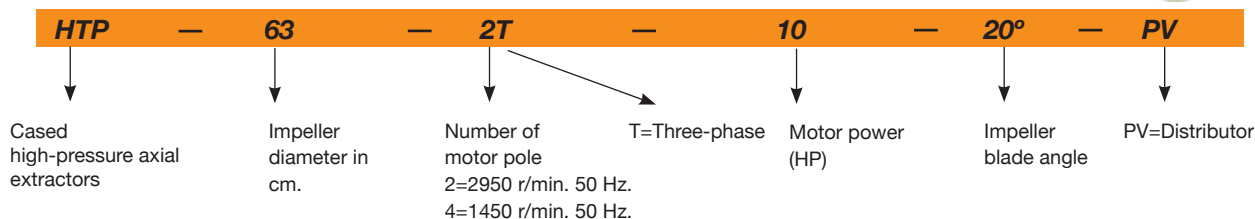
- Standardized IP-55 motors. ATEX motors and two speeds
- Made entirely of stainless steel.
- Hot-rolled galvanised steel construction
- ATEX certification, category 2
- IE2 and IE3 efficiency motors assembled on any unit

Finish:

- High-protection. anti-corrosion steel. specially primed and high-quality paint for corrosive environments.



Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Approx. weight (Kg)	NPS dB(A)
		230V	400V	690V				
HTP-50-2T-4	2900	10.18	5.88	-	3.00	13850	49	82
HTP-50-2T-5.5	2870	13.60	7.82	-	4.00	16450	65	83
HTP-56-2T-5.5	2870	13.60	7.82	-	4.00	18050	69	88
HTP-56-2T-10	2870	-	14.50	8.41	7.50	25500	147	89
HTP-63-2T-10	2870	-	14.50	8.41	7.50	23850	132	94
HTP-63-2T-15	2940	-	20.30	11.70	11.00	29400	167	94
HTP-63-2T-20	2935	-	27.40	15.90	15.00	34400	181	97
HTP-63-2T-25	2930	-	32.40	18.70	18.50	37200	199	98
HTP-63-2T-30	2935	-	38.00	22.00	22.00	39800	208	99
HTP-63-4T-1.5	1400	4.03	2.32	-	1.10	12850	92	79
HTP-63-4T-2	1430	5.96	3.44	-	1.50	15650	93	79
HTP-63-4T-3	1445	8.36	4.83	-	2.20	18600	101	83
HTP-63-4T-4	1445	10.96	6.33	-	3.00	19900	104	84
HTP-71-2T-15	2940	-	20.30	11.70	11.00	32850	184	93
HTP-71-2T-20	2935	-	27.40	15.90	15.00	39250	198	95
HTP-71-2T-25	2930	-	32.40	18.70	18.50	43450	216	95
HTP-71-2T-30	2935	-	38.00	22.00	22.00	45500	225	95
HTP-71-2T-40	2940	-	50.00	29.00	30.00	52550	303	98
HTP-71-4T-2	1445	8.36	4.83	-	2.20	17500	110	83
HTP-71-4T-3	1445	8.36	4.83	-	2.20	20650	118	83
HTP-71-4T-4	1445	10.96	6.33	-	3.00	23950	121	84

Technical characteristics

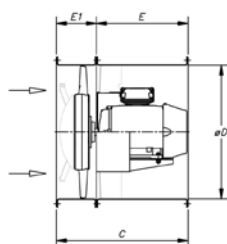
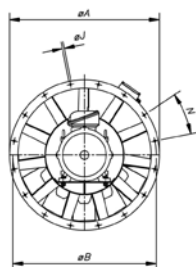
Model	Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Approx. weight (Kg)	NPS dB(A)
		230V	400V	690V				
HTP-71-4T-5.5	1440	14.10	8.12	-	4.00	27400	127	87
HTP-71-4T-7.5	1440	-	11.60	6.72	5.50	31700	141	90
HTP-80-4T-4	1445	10.96	6.33	-	3.00	19300	146	86
HTP-80-4T-5.5	1440	14.10	8.12	-	4.00	22850	152	86
HTP-80-4T-7.5	1440	-	11.60	6.72	5.50	28000	166	86
HTP-80-4T-10	1455	-	14.20	8.20	7.50	31500	177	87
HTP-80-4T-15	1460	-	20.20	11.60	11.00	40000	217	91
HTP-90-4T-7.5	1440	-	11.60	6.72	5.50	27450	196	90
HTP-90-4T-10	1455	-	14.20	8.20	7.50	32500	207	90
HTP-90-4T-15	1460	-	20.20	11.60	11.00	42200	247	90
HTP-90-4T-20	1460	-	27.50	15.90	15.00	50050	266	94
HTP-90-4T-25	1460	-	35.00	20.00	18.50	54550	294	95
HTP-90-4T-30	1465	-	42.00	24.00	22.00	61750	311	97
HTP-100-4T-15	1460	-	20.20	11.60	11.00	46100	282	93
HTP-100-4T-20	1460	-	27.50	15.90	15.00	56300	301	93
HTP-100-4T-25	1460	-	35.00	20.00	18.50	59900	329	93
HTP-100-4T-30	1465	-	42.00	24.00	22.00	69900	346	96
HTP-100-4T-40	1465	-	55.00	32.00	30.00	80500	401	98
HTP-125-4T-40	1465	-	55.00	32.00	30.00	81000	503	100
HTP-125-4T-50	1470	-	69.20	40.10	37.00	96800	525	100
HTP-125-4T-60	1470	-	81.00	47.00	45.00	105050	558	100
HTP-125-4T-75	1475	-	99.00	57.00	55.00	127800	599	100
HTP-125-4T-100	1480	-	133.00	77.00	75.00	147350	674	104
HTP-125-4T-125	1480	-	159.00	92.00	90.00	156800	703	105

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's external diameter plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.																			
Model	LpdB(A)	63	125	250	500	1000	2000	4000	8000	Model	LpdB(A)	63	125	250	500	1000	2000	4000	8000
HTP-50-2T-4	80	57	77	85	90	92	89	82	71	HTP-80-4T-4	86	58	75	86	95	96	96	93	86
HTP-50-2T-5.5	81	58	78	86	91	93	90	83	72	HTP-80-4T-5.5	86	58	76	86	95	96	96	93	86
HTP-56-2T-5.5	86	63	83	91	96	98	95	88	77	HTP-80-4T-7.5	86	58	76	86	95	96	96	93	86
HTP-56-2T-10	87	64	84	92	97	99	96	89	78	HTP-80-4T-10	87	59	77	87	97	98	98	94	88
HTP-63-2T-10	94	70	82	92	104	105	104	99	91	HTP-80-4T-15	91	63	81	91	101	102	102	99	92
HTP-63-2T-15	94	70	82	92	104	105	104	99	91	HTP-90-4T-7.5	90	62	79	90	99	100	100	97	90
HTP-63-2T-20	97	73	85	95	107	108	107	102	94	HTP-90-4T-10	90	62	80	90	99	100	100	97	90
HTP-63-2T-25	98	74	86	96	108	109	108	103	95	HTP-90-4T-15	90	62	80	90	100	101	101	98	91
HTP-63-2T-30	99	75	87	97	109	110	109	104	96	HTP-90-4T-20	94	66	83	94	103	104	104	101	94
HTP-63-4T-1.5	79	55	67	77	89	90	89	84	76	HTP-90-4T-25	95	67	85	95	104	105	105	102	95
HTP-63-4T-2	79	55	67	77	89	90	89	84	76	HTP-90-4T-30	97	69	87	97	107	108	108	104	98
HTP-63-4T-3	83	59	71	81	93	94	93	88	80	HTP-100-4T-15	93	65	83	93	102	103	103	100	93
HTP-63-4T-4	84	60	72	82	94	95	94	89	81	HTP-100-4T-20	93	65	82	93	102	103	103	100	93
HTP-71-2T-15	93	65	83	93	102	104	103	100	93	HTP-100-4T-25	93	65	83	93	102	103	103	100	93
HTP-71-2T-20	95	67	85	95	104	106	105	102	95	HTP-100-4T-30	96	67	85	96	105	106	106	103	96
HTP-71-2T-25	95	67	85	95	104	106	105	102	95	HTP-100-4T-40	98	70	88	98	107	108	108	105	98
HTP-71-2T-30	95	67	85	95	104	106	105	102	95	HTP-125-4T-40	100	72	89	100	109	110	110	107	100
HTP-71-2T-40	98	70	88	98	107	109	108	105	98	HTP-125-4T-50	100	72	90	100	109	110	110	107	100
HTP-71-4T-2	83	55	73	83	92	93	93	90	83	HTP-125-4T-60	100	72	89	100	109	110	110	107	100
HTP-71-4T-3	83	55	72	83	92	93	93	90	83	HTP-125-4T-75	100	72	90	100	110	111	111	108	101
HTP-71-4T-4	84	56	74	84	94	95	95	91	85	HTP-125-4T-100	104	76	93	104	113	114	114	111	104
HTP-71-4T-5.5	87	59	77	87	97	98	98	95	88	HTP-125-4T-125	105	77	95	105	114	115	115	112	105
HTP-71-4T-7.5	90	62	80	90	100	101	101	97	91										

Dimensions in mm



Model	Power	ØA	ØB	ØD	E	E1	C	ØJ	N
HTP-50-2T	4/5.5	600	560	514	-	-	400	12	12x30°
HTP-56-2T	5.5/10	660	620	560	-	-	500	12	12x30°
HTP-63-2T	10/15/20/25/30	730	690	640	650	220	870	13	12x30°
HTP-63-4T	1.5/2/3/4	730	690	640	340	220	560	13	12x30°
HTP-71-2T	15/20/25/30/40	810	770	710	700	240	940	13	16x22°30'
HTP-71-4T	2/3/4/5.5/7.5	810	770	710	420	240	660	13	16x22°30'
HTP-80-4T	4 / 5.5	900	860	800	360	240	600	15	16x22°30'
HTP-80-4T	7.5 / 10 / 15	900	860	800	600	240	840	15	16x22°30'
HTP-90-4T	7.5 / 10	1015	970	900	420	250	670	15	16x22°30'
HTP-90-4T	15 / 20 / 25 / 30	1015	970	900	650	250	900	15	16x22°30'
HTP-100-4T	15 / 20	1115	1070	1000	600	270	870	15	16x22°30'
HTP-100-4T	25 / 30 / 40	1115	1070	1000	700	270	970	15	16x22°30'
HTP-125	40 / 50 / 60 / 75	1365	1320	1250	900	300	1100	15	20x18°
HTP-125	100 / 125	1365	1320	1250	950	300	1250	15	20x18°

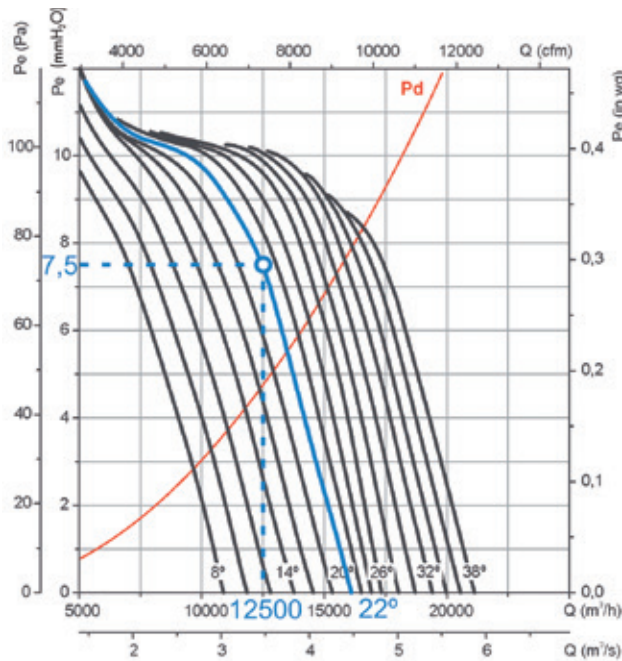
EXAMPLE OF SELECTION

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

HTP-63-4T



Initial data

- Working point:
- Airflow: 12,500 m³/h
- Loss of load: 7.5 mmH₂O

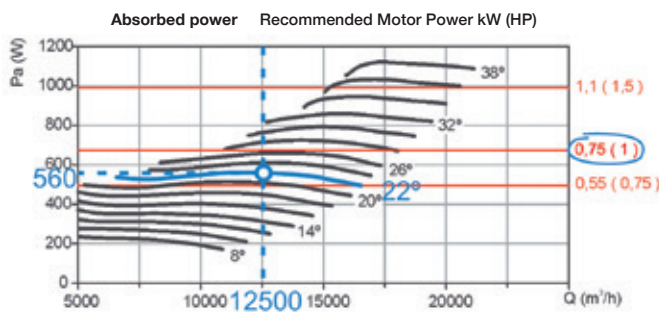
Steps for the selection of equipment

On the pressure graph:

1. Mark the working point, defined by the airflow (12,500 m³/h) and the loss of load (7.5 mmH₂O).
2. Select the curve of the equipment which is closest above the working point. In our case, a curve with a blade angle of 22° is obtained.

On the power graph:

3. Mark the working point, defined by the airflow (12,500 m³/h) and the selected blade angle (22°).
4. Read the absorbed power on the power axis on the left. Pa = 560 W at the working point.
5. Look for the straight red line which is closest to the working point above. On the right-hand side of the graph, the value of the installed motor power is obtained. In our case, this is 0.75 kW or 1 HP



EXAMPLE OF ORDER CODE

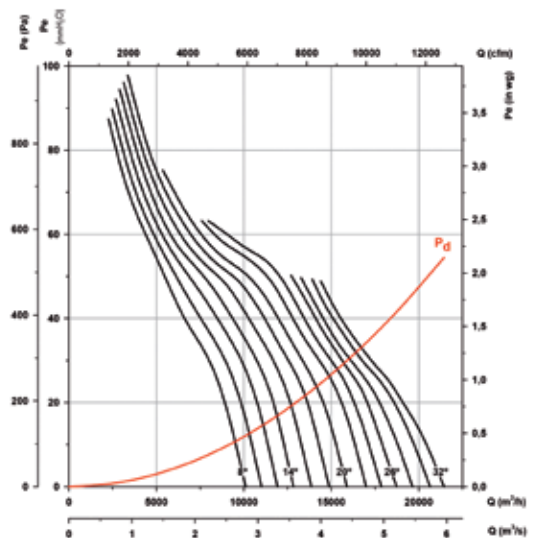
HTP	—	63	—	4T	—	1	—	22°
↓		↓		↓		↓		↓
Cased high-pressure axial fans		Impeller diameter in cm.		Number of motor pole 4=1400 r/min. 50 Hz. 6=900 r/min. 50 Hz.	T=Three-phase	Motor power (HP)		Impeller blade angle

Characteristic Curves

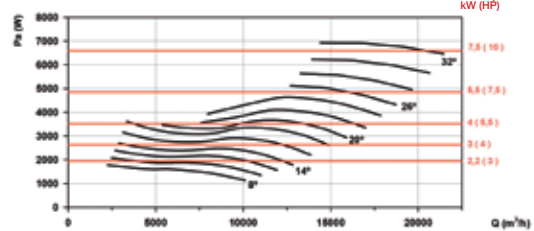
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

HTP-50-2T

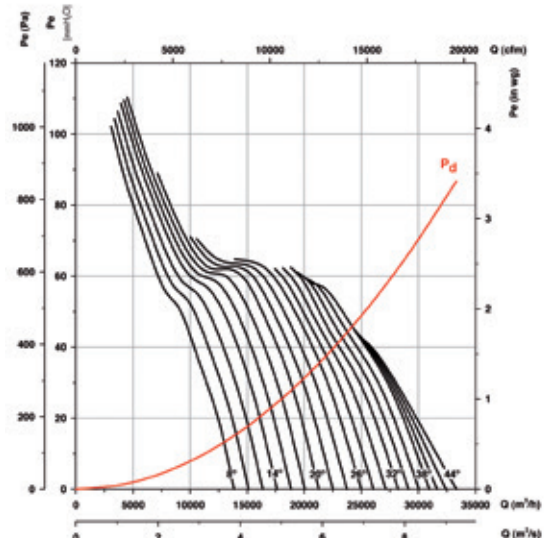


Absorbed power

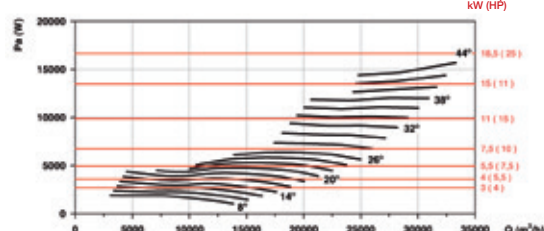


Recommended motor power kW (HP)

HTP-56-2T

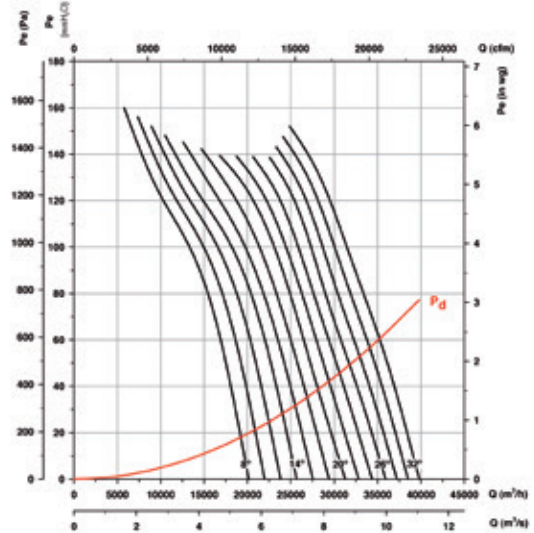


Absorbed power

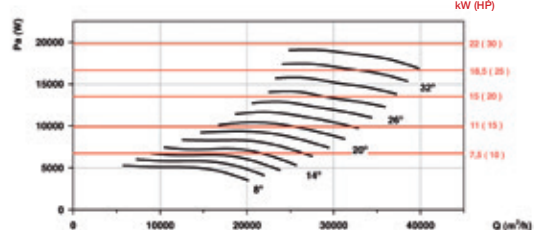


Recommended motor power kW (HP)

HTP-63-2T

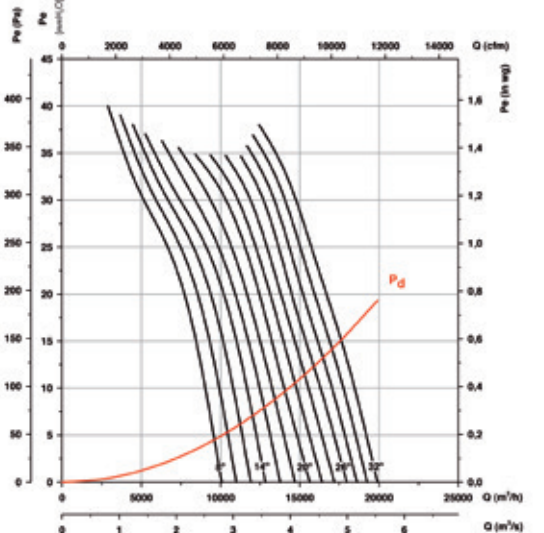


Absorbed power

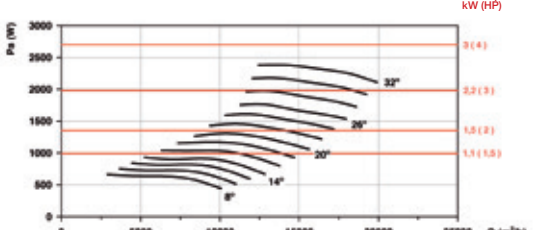


Recommended motor power kW (HP)

HTP-63-4T



Absorbed power



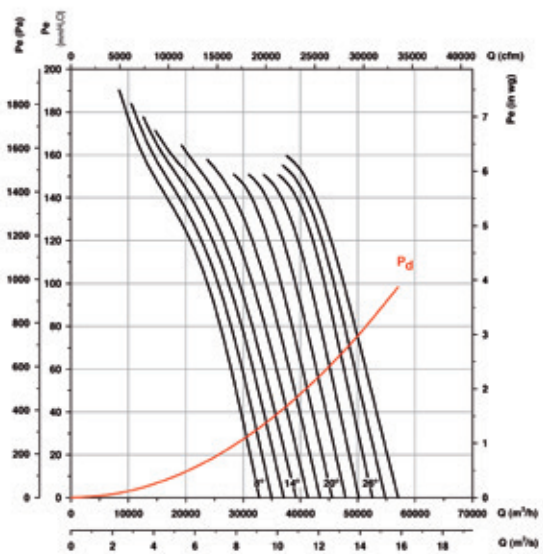
Recommended motor power kW (HP)

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

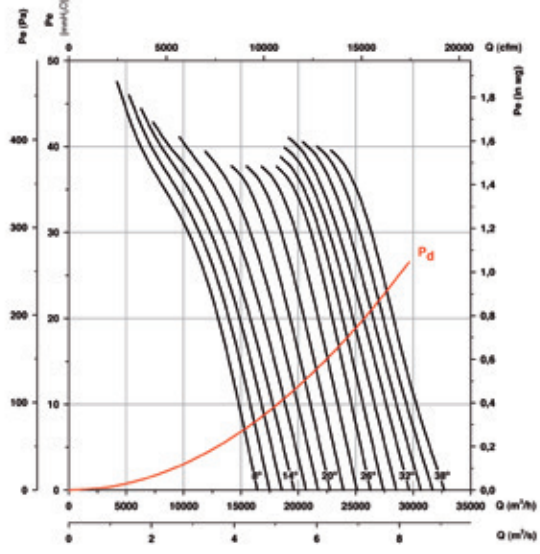
HTP-71-2T



Absorbed power

Recommended motor power
kW (HP)

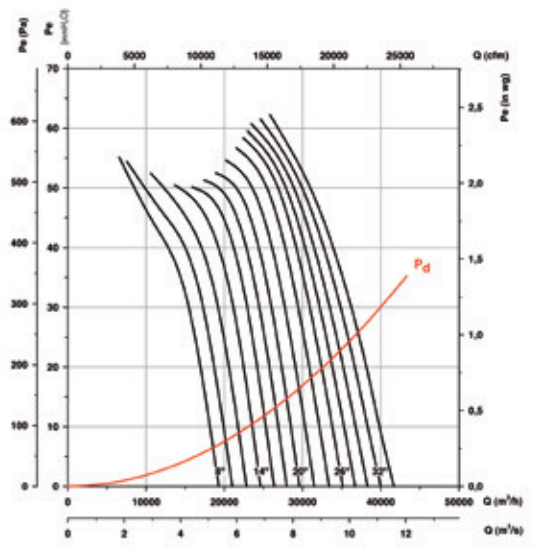
HTP-71-4T



Absorbed power

Recommended motor power
kW (HP)

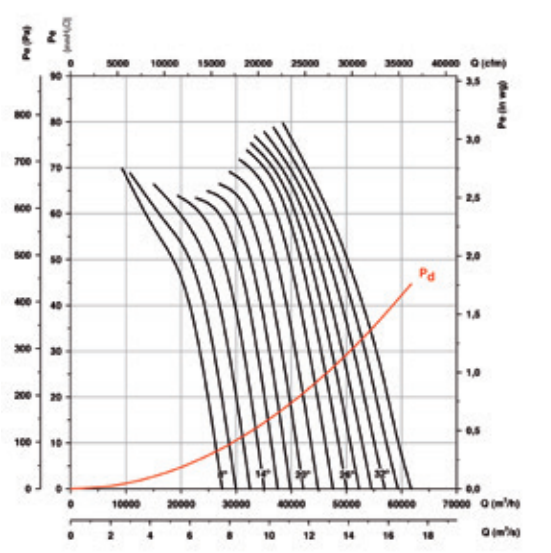
HTP-80-4T



Absorbed power

Recommended motor power
kW (HP)

HTP-90-4T



Absorbed power

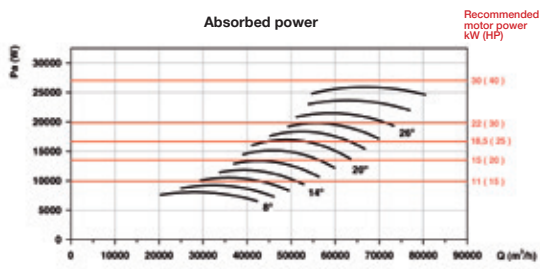
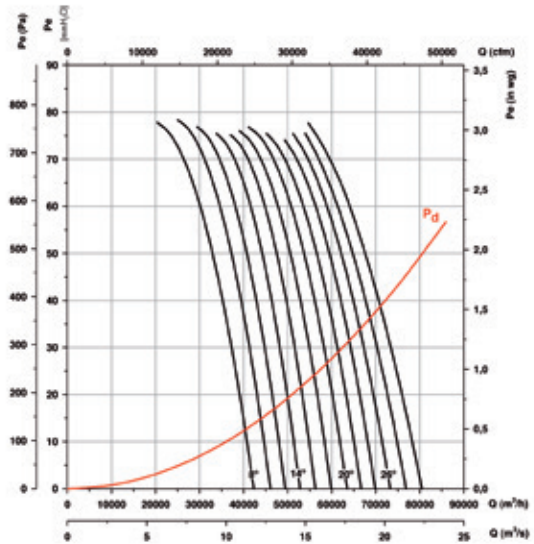
Recommended motor power
kW (HP)

Characteristic Curves

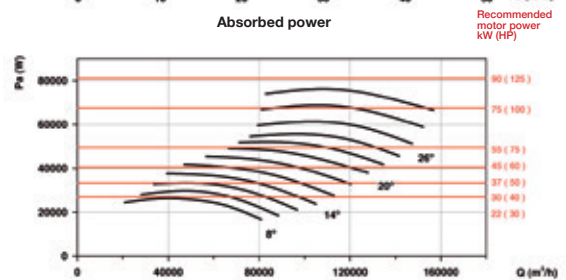
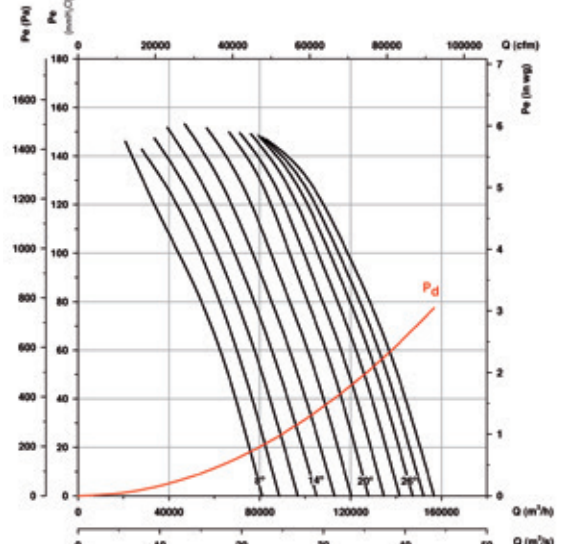
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

HTP-100-4T



HTP-125-4T



Accessories

See accessories section.



HBA

Forked cased axial fans with motor outside the air flow



Forked cased fans for moving air of up to 150°C continuously and up to 200°C sporadically



Fan:

- Sheet steel casing
- Impeller made from cast aluminium
- Airflow direction from impeller to motor

Motor:

- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW, except single-phase, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Working temperature: -25°C.+ 150°C.

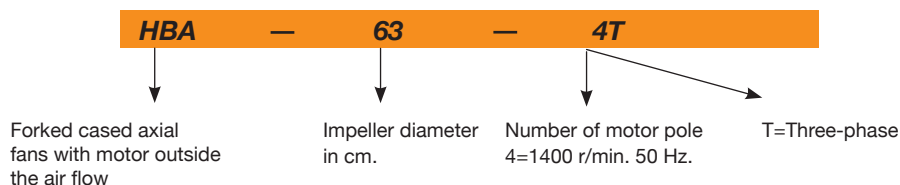
Finish:

- Anticorrosive with heat-protection paint for working in hot environments.

On request:

- Casing made from stainless steel
- Hot galvanised finish
- Special windings for different electrical supplies and motors with PTC

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed capacity (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V				
HBA-31-2T	2760	2.57	1.49	0.55	2900	77	25
HBA-31-2M	2810	3.49	-	0.55	2900	77	26
HBA-31-4T	1350	1.66	0.96	0.25	1600	66	24
HBA-31-4M	1370	2.00	-	0.25	1600	66	25
HBA-40-2T	2860	4.20	2.40	1.10	6200	82	45
HBA-40-2M	2820	6.51	-	1.10	6200	82	46
HBA-40-4T	1370	2.02	1.17	0.37	3200	75	40
HBA-45-2T	2900	10.18	5.88	3.00	8550	84	57
HBA-50-4T	1410	3.10	1.79	0.75	6750	76	73
HBA-63-4T	1400	4.03	2.32	1.10	11150	77	91
HBA-71-4T	1440	14.10	8.12	4.00	15850	79	164
HBA-71-6T	900	2.99	1.73	0.55	11200	74	140
HBA-80-6T	945	4.88	2.82	1.10	14900	77	190
HBA-100-6T	945	4.88	2.82	1.10	21700	80	260

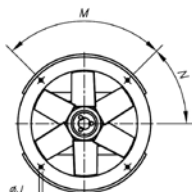
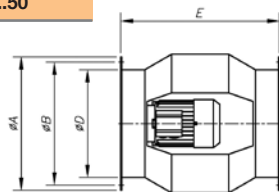
Accessories

See accessories section.

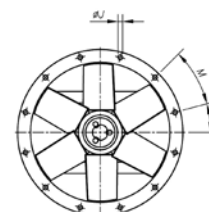
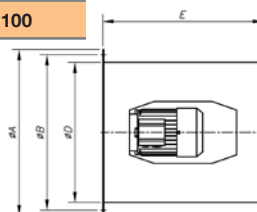


Dimensions in mm

HBA-31...50



HBA-63...100

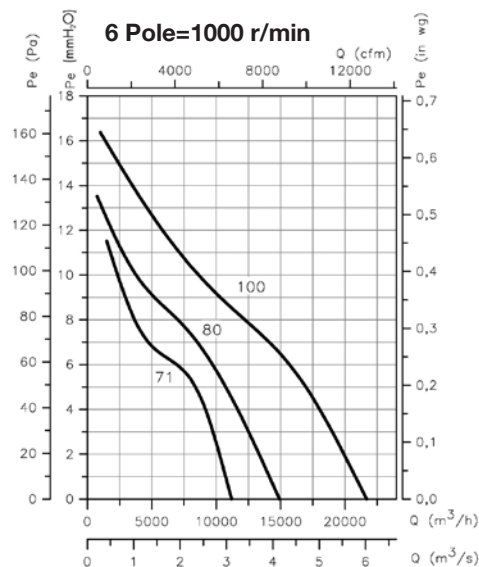
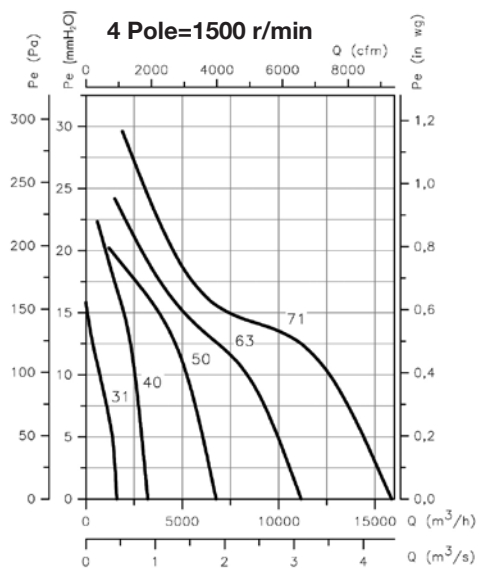
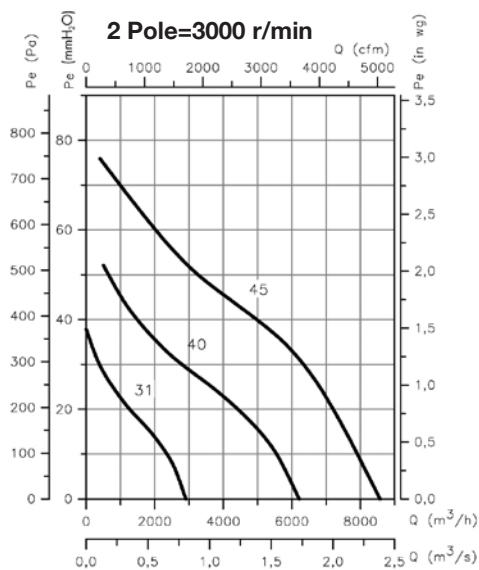


Model	ØA	ØB	ØD	E	ØJ	M	N
HBA-31	385	355	308	460	10	4x90°	45°
HBA-40	490	450	410	580	12	8x45°	22'5°
HBA-45	540	500	460	640	12	8x45°	22'5°
HBA-50	600	560	514	730	12	12x30°	15°
HBA-63	730	690	640	730	12	12x30°	15°
HBA-71	810	770	710	770	12	16x22'5°	11'25°
HBA-80	900	860	800	830	12	16x22'5°	11'25°
HBA-100	1115	1070	1000	1270	15	16x22'5°	11'25°

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



HPX/SEC

Fans designed with the most advanced technology and experience to withstand extreme working conditions in ovens, driers and other applications with high temperature and humidity



Fan:

- Thick sheet steel long casing with twist-lock cap
- Impellers made from cast aluminium
- High-quality bearings with grease for high temperatures
- Bearing support with grease cups
- External grease cups in fan casing
- Airflow direction from motor to impeller

Motor:

- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW, except single-phase, 2 speed and 8 pole motors.
- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Single-phase 230V -50Hz. and three phase, 50Hz, 230/400V motors up to 4kW. 400/690V over 4kW
- Working temperature: -25°C.+ 150°C.

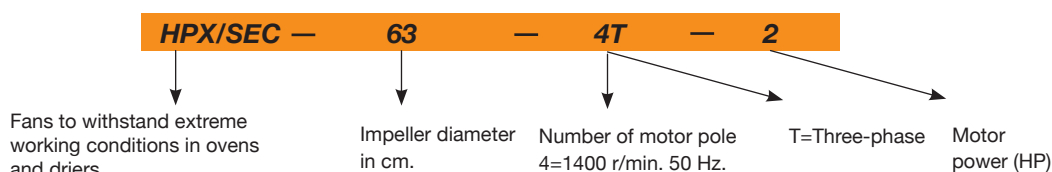
Finish:

- Anticorrosive in heat-resistant paint

On request:

- Airflow direction from impeller to motor
- 100% reversible impellers
- Special windings for different electrical supplies
- ATEX Certification, category 2 (see HPX/ATEX series)
- IE2 and IE3 efficiency motors assembled on any unit

Order code



Technical characteristics

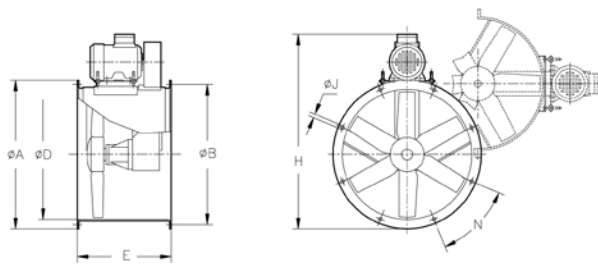
Model	Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
HPX/SEC-63-4T-2	1450	5.96	3.44		1.50	17500	78	68.1
HPX/SEC-71-4T-2	1350	5.96	3.44		1.50	22500	79	84.5
HPX/SEC-71-4T-3	1450	8.36	4.83		2.20	24000	81	91.5
HPX/SEC-80-4T-4	1350	10.96	6.33		3.00	32000	84	107.0
HPX/SEC-80-4T-5.5	1450	14.10	8.12		4.00	40500	84	116.0
HPX/SEC-90-4T-7.5	1400		11.60	6.72	5.50	51000	91	132.5
HPX/SEC-90-4T-10	1400		14.20	8.20	7.50	54700	92	145.5
HPX/SEC-100-4T-10	1450		14.20	8.20	7.50	63000	93	148.5
HPX/SEC-100-4T-15	1450		20.20	11.60	11.00	68000	94	191.5

Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's external diameter plus the impeller's diameter, with a minimum of 1.5 m.

Model	Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.										Model										
	63	125	250	500	1000	2000	4000	8000				63	125	250	500	1000	2000	4000	8000		
HPX/SEC-63-4T-2	62	73	83	89	90	85	74	70			HPX/SEC-90-4T-7.5	69	90	97	102	105	101	94	83		
HPX/SEC-71-4T-2	56	76	84	89	91	88	81	70			HPX/SEC-90-4T-10	70	91	98	103	106	102	95	84		
HPX/SEC-71-4T-3	65	76	86	92	93	88	77	73			HPX/SEC-100-4T-10	73	93	100	106	108	105	98	87		
HPX/SEC-80-4T-4	61	81	89	94	96	93	86	75			HPX/SEC-100-4T-15	74	94	101	107	109	106	99	88		
HPX/SEC-80-4T-5.5	68	79	89	95	96	91	80	76													

Dimensions in mm

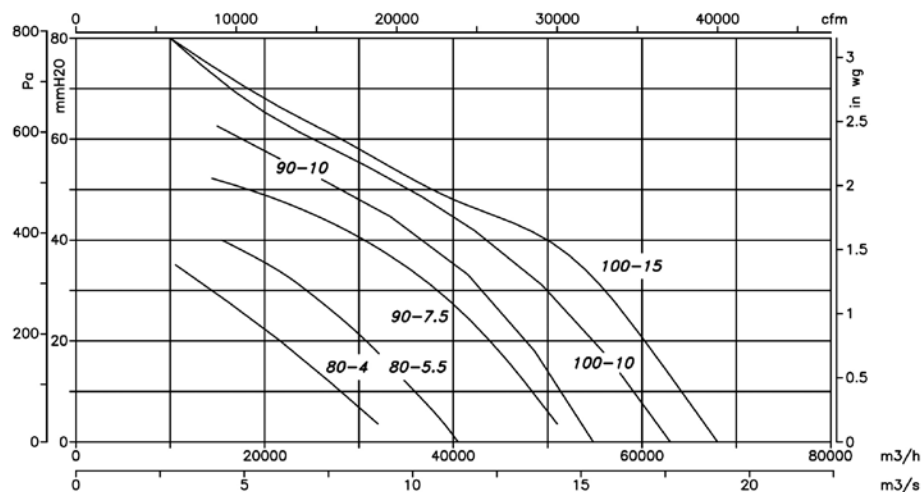
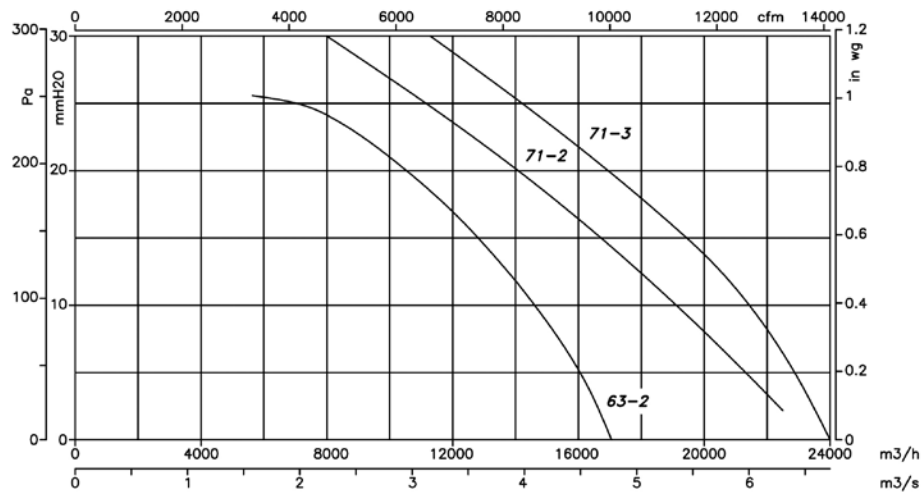


Model	ϕA	ϕB	ϕD	E	H	ϕJ	N
HPX/SEC-63-4T-2	730	690	640	500	943	12	12x30°
HPX/SEC-71-4T-2	810	770	710	550	1022	12	16x22°30'
HPX/SEC-71-4T-3	810	770	710	550	1048	12	16x22°30'
HPX/SEC-80-4T-4	900	860	800	600	1164.5	12	16x22°30'
HPX/SEC-80-4T-5.5	900	860	800	600	1185.5	13	16x22°30'
HPX/SEC-90-4T-7.5	1015	970	900	650	1338	15	16x22°30'
HPX/SEC-90-4T-10	1015	970	900	650	1338	15	16x22°30'
HPX/SEC-100-4T-10	1115	1070	1000	750	1453	15	16x22°30'
HPX/SEC-100-4T-15	1115	1070	1000	750	1525	15	16x22°30'

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Accessories

See accessories section.



HGT HGTX

HGT: Large diameter long cased axial fans with direct drive motor

HGTX: Large diameter long cased axial fans with external motor

Long cased axial fans. supplied with 3. 6 or 9 blade aluminium impellers with different slope angles.

Fan:

- Airflow direction from motor to impeller
- Impellers made from cast aluminium supplied with 3. 6 or 9 blades with adjustable slope angles.
- Sheet steel casing
- HGT: The standard version is short casing. The long-casing version is equipped with an inspection hatch.
- HGTX: The long-casing version is equipped with an inspection hatch.



HGT



HGTX

Motor:

- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW, except single-phase, 2 speed and 8 pole motors.
- IE3 efficiency for 7.5kW and larger motors. Except for 1Ph, 2 speed and 8 pole motors.
- Class F insulation, IP55
- Three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Working temperature: -25°C.+ 50°C. (HGT). -25°C.+ 120°C. (HGTX)

phosphate free pre-treatment

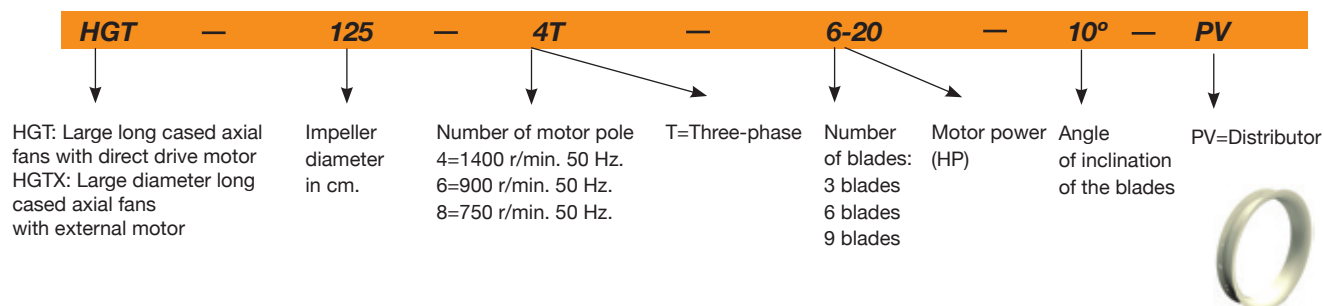
On request:

- Airflow direction from impeller to motor
- 100% reversible impellers
- Special windings for different electrical supplies
- ATEX certification, category 2
- HGT: Long-casing fans with inspection hatch
- Two-speed motors
- IE2 and IE3 efficiency motors assembled on any unit

Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190°C after

Order code



Technical characteristics

Model		Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)		
			230V	400V	690V				HGT Long	HGT Short	HGTX
HGT-125-4T/3-10	HGTX-125-4T/3-10	1455		14.10	8.14	7.50	58150	88	211	178	342
HGT-125-4T/3-15	HGTX-125-4T/3-15	1455		21.20	12.24	11.00	77450	89	249	221	369
HGT-125-4T/3-20	HGTX-125-4T/3-20	1465		29.80	17.21	15.00	91400	91	268	240	388
HGT-125-4T/3-25	HGTX-125-4T/3-25	1470		35.60	20.55	18.50	98350	91	331	288	418
HGT-125-4T/3-30	HGTX-125-4T/3-30	1465		40.10	23.15	22.00	110500	92	348	305	435
HGT-125-4T/3-40	HGTX-125-4T/3-40	1475		56.30	32.50	30.00	120850	93	440	397	529
HGT-125-4T/3-50	HGTX-125-4T/3-50	1470		69.20	39.95	37.00	129000	94	474	418	545
HGT-125-4T/3-60	HGTX-125-4T/3-60	1470		81.41	47.00	45.00	140000	95	489	433	560
HGT-125-4T/6-20	HGTX-125-4T/6-20	1465		29.80	17.21	15.00	78300	89	277	249	397
HGT-125-4T/6-25	HGTX-125-4T/6-25	1470		35.60	20.55	18.50	92000	90	340	297	427
HGT-125-4T/6-30	HGTX-125-4T/6-30	1465		40.10	23.15	22.00	98100	90	357	314	444
HGT-125-4T/6-40	HGTX-125-4T/6-40	1475		56.30	32.50	30.00	117000	92	449	405	538
HGT-125-4T/6-50	HGTX-125-4T/6-50	1470		69.20	39.95	37.00	123700	93	483	427	554
HGT-125-4T/6-60	HGTX-125-4T/6-60	1470		81.41	47.00	45.00	136000	94	498	442	569
HGT-125-4T/6-75	HGTX-125-4T/6-75	1475		98.73	57.00	55.00	148000	95	549	499	635
HGT-125-4T/6-100	HGTX-125-4T/6-100	1480		133.37	77.00	75.00	161000	96	598	548	684
HGT-125-4T/9-25	HGTX-125-4T/9-25	1470		35.60	20.55	18.50	79750	88	349	306	436
HGT-125-4T/9-30	HGTX-125-4T/9-30	1465		40.10	23.15	22.00	97000	89	366	323	453

Technical characteristics

Model		Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)		
			230V	400V	690V				HGT Long	HGT Short	HGTX
HGT-125-4T/9-40	HGTX-125-4T/9-40	1475		56.30	32.50	30.00	111200	91	458	414	547
HGT-125-4T/9-50	HGTX-125-4T/9-50	1470		69.20	39.95	37.00	118350	93	492	436	563
HGT-125-4T/9-60	HGTX-125-4T/9-60	1470		81.41	47.00	45.00	127000	94	507	451	578
HGT-125-4T/9-75	HGTX-125-4T/9-75	1475		98.73	57.00	55.00	142000	95	558	508	644
HGT-125-4T/9-100	HGTX-125-4T/9-100	1480		133.37	77.00	75.00	155000	99	607	557	693
HGT-125-6T/3-4	HGTX-125-6T/3-4	960	12.70	7.33		3.00	46550	79	204	171	335
HGT-125-6T/3-5.5	HGTX-125-6T/3-5.5	960	16.50	9.53		4.00	55300	80	209	176	340
HGT-125-6T/3-7.5	HGTX-125-6T/3-7.5	975		11.50	6.64	5.50	64450	81	217	184	348
HGT-125-6T/3-10	HGTX-125-6T/3-10	965		15.20	8.78	7.50	76400	83	262	234	382
HGT-125-6T/3-15	HGTX-125-6T/3-15	965		22.60	13.05	11.00	87050	84	276	248	396
HGT-125-6T/3-20	HGTX-125-6T/3-20	970		27.90	16.11	15.00	91700	85	358	315	445
HGT-125-6T/6-5.5	HGTX-125-6T/6-5.5	960	16.50	9.53		4.00	51300	77	218	185	349
HGT-125-6T/6-7.5	HGTX-125-6T/6-7.5	975		11.50	6.64	5.50	60300	77	226	193	357
HGT-125-6T/6-10	HGTX-125-6T/6-10	965		15.20	8.78	7.50	72250	79	271	243	391
HGT-125-6T/6-15	HGTX-125-6T/6-15	965		22.60	13.05	11.00	85450	81	285	257	405
HGT-125-6T/6-20	HGTX-125-6T/6-20	970		27.90	16.11	15.00	92850	82	367	324	454
HGT-125-6T/6-25	HGTX-125-6T/6-25	970		34.64	20.00	18.50	103000	84	409	365	498
HGT-125-6T/9-10	HGTX-125-6T/9-10	965		15.20	8.78	7.50	68200	78	280	252	400
HGT-125-6T/9-15	HGTX-125-6T/9-15	965		22.60	13.05	11.00	77550	81	294	266	414
HGT-125-6T/9-20	HGTX-125-6T/9-20	970		27.90	16.11	15.00	92900	84	376	333	463
HGT-125-6T/9-25	HGTX-125-6T/9-25	970		34.64	20.00	18.50	98700	85	418	374	507
HGT-125-6T/9-30	HGTX-125-6T/9-30	970		41.57	24.00	22.00	104000	87	438	394	527
HGT-125-8T/3-3	HGTX-125-8T/3-3	705	9.53	5.50		2.20	48800	71	209	176	340
HGT-125-8T/3-4	HGTX-125-8T/3-4	705	12.82	7.40		3.00	54900	71	216	183	347
HGT-125-8T/3-5.5	HGTX-125-8T/3-5.5	710	16.11	9.30		4.00	62100	73	249	221	369
HGT-125-8T/3-7.5	HGTX-125-8T/3-7.5	725		12.70	7.33	5.50	69500	75	262	234	382
HGT-125-8T/6-3	HGTX-125-8T/6-3	705	9.53	5.50		2.20	45700	69	218	185	349
HGT-125-8T/6-4	HGTX-125-8T/6-4	705	12.82	7.40		3.00	51800	71	225	192	356
HGT-125-8T/6-5.5	HGTX-125-8T/6-5.5	710	16.11	9.30		4.00	61500	72	258	230	378
HGT-125-8T/6-7.5	HGTX-125-8T/6-7.5	725		12.70	7.33	5.50	67500	73	271	243	391
HGT-125-8T/6-10	HGTX-125-8T/6-10	725		17.00	9.81	7.50	75500	75	301	273	421
HGT-125-8T/9-4	HGTX-125-8T/9-4	705	12.82	7.40		3.00	48200	70	234	201	365
HGT-125-8T/9-5.5	HGTX-125-8T/9-5.5	710	16.11	9.30		4.00	55200	73	267	239	387
HGT-125-8T/9-7.5	HGTX-125-8T/9-7.5	725		12.70	7.33	5.50	67000	75	280	252	400
HGT-125-8T/9-10	HGTX-125-8T/9-10	725		17.00	9.81	7.50	74750	76	310	282	430
HGT-125-8T/9-15	HGTX-125-8T/9-15	725		21.70	12.53	11.00	80800	79	372	329	459
HGT-140-6T/3-4		960	12.70	7.33		3.00	51000	82	251	214	
HGT-140-6T/3-5.5		960	16.50	9.53		4.00	56700	83	258	221	
HGT-140-6T/3-7.5		975		11.50	6.64	5.50	67900	84	266	229	
HGT-140-6T/3-10		965		15.20	8.78	7.50	80100	85	320	281	
HGT-140-6T/3-15		965		22.60	13.05	11.00	96900	86	334	295	
HGT-140-6T/3-20		970		27.90	16.11	15.00	106000	88	414	364	
HGT-140-6T/6-5.5		960	16.50	9.53		4.00	58000	82	268	231	
HGT-140-6T/6-7.5		975		11.50	6.64	5.50	66000	84	276	239	
HGT-140-6T/6-10		965		15.20	8.78	7.50	80700	85	330	291	
HGT-140-6T/6-15		965		22.60	13.05	11.00	96700	86	344	305	
HGT-140-6T/6-20		970		27.90	16.11	15.00	104000	87	423	374	
HGT-140-6T/6-25		970		34.64	20.00	18.50	115000	88	466	417	
HGT-140-6T/6-30		970		41.57	24.00	22.00	119000	89	486	437	
HGT-140-6T/9-10		965		15.20	8.78	7.50	70000	84	339	300	
HGT-140-6T/9-15		965		22.60	13.05	11.00	86000	86	353	314	
HGT-140-6T/9-20		970		27.90	16.11	15.00	97500	87	433	383	
HGT-140-6T/9-25		970		34.64	20.00	18.50	111000	88	475	427	
HGT-140-6T/9-30		970		41.57	24.00	22.00	118500	89	495	447	
HGT-140-6T/9-40		973		53.69	31.00	30.00	132000	91	561	499	
HGT-140-6T/9-50		975		65.82	38.00	37.00	139000	92	623	568	
HGT-140-8T/3-3		705	9.53	5.50		2.20	50000	78	258	221	
HGT-140-8T/3-4		705	12.82	7.40		3.00	57000	78	265	228	
HGT-140-8T/3-5.5		710	16.11	9.30		4.00	65400	79	307	268	
HGT-140-8T/3-7.5		725		12.70	7.33	5.50	77500	81	320	281	
HGT-140-8T/3-10		725		17.00	9.81	7.50	86000	82	350	311	
HGT-140-8T/6-3		705	9.53	5.50		2.20	47500	78	268	231	
HGT-140-8T/6-4		705	12.82	7.40		3.00	57600	79	275	238	

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed capacity (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)	
		230V	400V	690V				HGT Long	HGTX Short
HGT-140-8T/6-5.5	710	16.11	9.30		4.00	65200	80	317	278
HGT-140-8T/6-7.5	725		12.70	7.33	5.50	73300	81	330	291
HGT-140-8T/6-10	725		17.00	9.81	7.50	82200	82	360	321
HGT-140-8T/6-15	725		21.70	12.53	11.00	94200	83	419	370
HGT-140-8T/9-4	705	12.82	7.40		3.00	47200	79	284	247
HGT-140-8T/9-5.5	710	16.11	9.30		4.00	64400	79	326	287
HGT-140-8T/9-7.5	725		12.70	7.33	5.50	69200	81	339	300
HGT-140-8T/9-10	725		17.00	9.81	7.50	78700	82	369	330
HGT-140-8T/9-15	725		21.70	12.53	11.00	94300	83	429	379
HGT-140-8T/9-20	725		31.70	18.30	15.00	103000	86	485	437
HGT-160-6T/3-5.5	960	16.50	9.53		4.00	66000	81	327	275
HGT-160-6T/3-7.5	975		11.50	6.64	5.50	76100	82	335	283
HGT-160-6T/3-10	965		15.20	8.78	7.50	84000	83	393	339
HGT-160-6T/3-15	965		22.60	13.05	11.00	102000	85	407	353
HGT-160-6T/3-20	970		27.90	16.11	15.00	127000	86	500	431
HGT-160-6T/3-25	970		34.64	20.00	18.50	136700	87	543	473
HGT-160-6T/3-30	970		41.57	24.00	22.00	145000	89	563	493
HGT-160-6T/6-10	965		15.20	8.78	7.50	75000	83	404	350
HGT-160-6T/6-15	965		22.60	13.05	11.00	93500	85	418	364
HGT-160-6T/6-20	970		27.90	16.11	15.00	120500	86	510	441
HGT-160-6T/6-25	970		34.64	20.00	18.50	130000	87	553	484
HGT-160-6T/6-30	970		41.57	24.00	22.00	140000	88	573	504
HGT-160-6T/6-40	973		53.69	31.00	30.00	158000	89	656	557
HGT-160-6T/6-50	975		65.82	38.00	37.00	171000	91	714	629
HGT-160-6T/9-15	965		22.60	13.05	11.00	87000	85	428	374
HGT-160-6T/9-20	970		27.90	16.11	15.00	104000	86	520	451
HGT-160-6T/9-25	970		34.64	20.00	18.50	127000	87	563	494
HGT-160-6T/9-30	970		41.57	24.00	22.00	135000	88	583	514
HGT-160-6T/9-40	973		53.69	31.00	30.00	147000	89	666	567
HGT-160-6T/9-50	975		65.82	38.00	37.00	165000	90	724	640
HGT-160-6T/9-60	980		84.80	48.96	45.00	177000	91	844	745
HGT-160-6T/9-75	980		96.99	56.00	55.00	193000	92	932	833
HGT-160-6T/9-100	985		131.64	76.00	75.00	207500	93	1002	903
HGT-160-8T/3-3	705	9.53	5.50		2.20	54000	76	327	275
HGT-160-8T/3-4	705	12.82	7.40		3.00	57500	77	334	282
HGT-160-8T/3-5.5	710	16.11	9.30		4.00	74000	79	380	326
HGT-160-8T/3-7.5	725		12.70	7.33	5.50	83500	80	393	339
HGT-160-8T/3-10	725		17.00	9.81	7.50	97500	81	423	369
HGT-160-8T/3-15	725		21.70	12.53	11.00	115000	83	496	427
HGT-160-8T/6-4	705	12.82	7.40		3.00	70900	76	344	292
HGT-160-8T/6-5.5	710	16.11	9.30		4.00	84500	77	391	337
HGT-160-8T/6-7.5	725		12.70	7.33	5.50	77000	79	404	350
HGT-160-8T/6-10	725		17.00	9.81	7.50	95000	80	434	380
HGT-160-8T/6-15	725		21.70	12.53	11.00	109000	82	506	437
HGT-160-8T/6-20	725		31.70	18.30	15.00	123000	83	563	494
HGT-160-8T/6-25	725		35.85	20.70	18.50	130000	84	641	542
HGT-160-8T/9-7.5	725		12.70	7.33	5.50	70000	79	414	360
HGT-160-8T/9-10	725		17.00	9.81	7.50	87000	80	444	390
HGT-160-8T/9-15	725		21.70	12.53	11.00	103000	82	516	447
HGT-160-8T/9-20	725		31.70	18.30	15.00	117000	83	573	504
HGT-160-8T/9-25	725		35.85	20.70	18.50	133000	84	651	552
HGT-160-8T/9-30	725		41.60	24.02	22.00	140000	85	666	567
HGT-160-8T/9-40	730		60.79	35.10	30.00	151000	86	724	640

Acoustic features

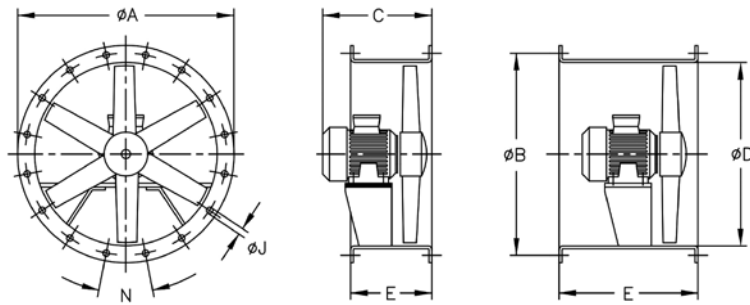
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's external diameter plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
125-4T/3-10	70	76	88	98	98	94	86	82	140-6T/9-10	66	84	93	92	91	87	78	73
125-4T/3-15	71	77	89	99	99	95	87	83	140-6T/9-15	67	85	94	93	92	88	79	74
125-4T/3-20	72	78	90	100	100	96	88	84	140-6T/9-20	69	87	96	95	94	90	81	76
125-4T/3-25	73	79	91	101	101	97	89	85	140-6T/9-25	70	88	97	96	95	91	82	77
125-4T/3-30	74	80	92	102	102	98	90	86	140-6T/9-30	70	88	97	96	95	91	82	77
125-4T/3-40	75	81	93	103	103	99	91	87	140-6T/9-40	71	89	98	97	96	92	83	78
125-4T/3-50	76	82	94	104	104	100	92	88	140-6T/9-50	74	92	101	100	99	95	86	81
125-4T/3-60	77	83	95	105	105	101	93	89	140-8T/3-3	60	70	78	83	82	81	68	63
125-4T/6-20	66	74	90	97	99	94	88	84	140-8T/3-4	64	74	82	87	86	85	72	67
125-4T/6-25	67	75	91	98	100	95	89	85	140-8T/3-5.5	65	75	83	88	87	86	73	68
125-4T/6-30	68	76	92	99	101	96	90	86	140-8T/3-7.5	66	76	84	89	88	87	74	69
125-4T/6-40	69	77	93	100	102	97	91	87	140-8T/3-10	68	78	86	91	90	89	76	71
125-4T/6-50	71	79	95	102	104	99	93	89	140-8T/6-3	61	73	82	86	84	78	68	65
125-4T/6-60	72	80	96	103	105	100	94	90	140-8T/6-4	63	75	84	88	86	80	70	67
125-4T/6-75	72	80	96	103	105	100	94	90	140-8T/6-5.5	64	76	85	89	87	81	71	68
125-4T/6-100	74	82	98	105	107	102	96	92	140-8T/6-7.5	65	77	86	90	88	82	72	69
125-4T/9-25	66	74	91	97	98	93	88	84	140-8T/6-10	66	78	87	91	89	83	73	70
125-4T/9-30	67	75	92	98	99	94	89	85	140-8T/6-15	68	80	89	93	91	85	75	72
125-4T/9-40	68	76	93	99	100	95	90	86	140-8T/9-4	61	72	83	88	86	82	72	67
125-4T/9-50	70	78	95	101	102	97	92	88	140-8T/9-5.5	62	73	84	89	87	83	73	68
125-4T/9-60	72	80	97	103	104	99	94	90	140-8T/9-7.5	63	74	85	90	88	84	74	69
125-4T/9-75	72	80	97	103	104	99	94	90	140-8T/9-10	64	75	86	91	89	85	75	70
125-4T/9-100	74	82	99	105	106	101	96	92	140-8T/9-15	65	76	87	92	90	86	76	71
125-6T/3-4	64	72	84	88	86	81	72	68	140-8T/9-20	67	78	89	94	92	88	78	73
125-6T/3-5.5	66	74	86	90	88	83	74	70	160-6T/3-5.5	67	77	85	90	89	88	75	70
125-6T/3-7.5	67	75	87	91	89	84	75	71	160-6T/3-7.5	68	78	86	91	90	89	76	71
125-6T/3-10	68	76	88	92	90	85	76	72	160-6T/3-10	69	79	87	92	91	90	77	72
125-6T/3-15	69	77	89	93	91	86	77	73	160-6T/3-15	70	80	88	93	92	91	78	73
125-6T/3-20	71	79	91	95	93	88	79	75	160-6T/3-20	72	82	90	95	94	93	80	75
125-6T/6-5.5	59	68	81	84	85	82	71	67	160-6T/3-25	73	83	91	96	95	94	81	76
125-6T/6-7.5	60	69	82	85	86	83	72	68	160-6T/3-30	74	84	92	97	96	95	82	77
125-6T/6-10	61	70	83	86	87	84	73	69	160-6T/6-10	67	82	91	93	90	84	76	72
125-6T/6-15	63	72	85	88	89	86	75	71	160-6T/6-15	68	83	92	94	91	85	77	73
125-6T/6-20	65	74	87	90	91	88	77	73	160-6T/6-20	70	85	94	96	93	87	79	75
125-6T/6-25	66	75	88	91	92	89	78	74	160-6T/6-25	71	86	95	97	94	88	80	76
125-6T/9-10	57	67	82	86	85	84	73	69	160-6T/6-30	71	86	95	97	94	88	80	76
125-6T/9-15	59	69	84	88	87	86	75	71	160-6T/6-40	72	87	96	98	95	89	81	77
125-6T/9-20	62	72	87	91	90	89	78	74	160-6T/6-50	74	89	98	100	97	91	83	79
125-6T/9-25	64	74	89	93	92	91	80	76	160-6T/9-15	67	85	94	93	92	88	79	74
125-6T/9-30	66	76	91	95	94	93	82	78	160-6T/9-20	68	86	95	94	93	89	80	75
125-8T/3-3	56	63	74	78	77	70	61	57	160-6T/9-25	69	87	96	95	94	90	81	76
125-8T/3-4	59	66	77	81	80	73	64	60	160-6T/9-30	70	88	97	96	95	91	82	77
125-8T/3-5.5	60	67	78	82	81	74	65	61	160-6T/9-40	71	89	98	97	96	92	83	78
125-8T/3-7.5	62	69	80	84	83	76	67	63	160-6T/9-50	72	90	99	98	97	93	84	79
125-8T/6-3	53	61	73	78	77	72	61	57	160-6T/9-60	72	90	99	98	97	93	84	79
125-8T/6-4	54	62	74	79	78	73	62	58	160-6T/9-75	73	91	100	99	98	94	85	80
125-8T/6-5.5	56	64	76	81	80	75	64	60	160-6T/9-100	75	93	102	101	100	96	87	82
125-8T/6-7.5	58	66	78	83	82	77	66	62	160-8T/3-3	61	71	79	84	83	82	69	64
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125-8T/9-4	51	62	72	78	79	74	63	59	160-8T/3-5.5	64	74	82	87	86	85	72	67
125-8T/9-5.5	53	64	74	80	81	76	65	61	160-8T/3-7.5	65	75	83	88	87	86	73	68
125-8T/9-7.5	56	67	77	83	84	79	68	64	160-8T/3-10	66	76	84	89	88	87	74	69
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140-6T/3-7.5	69	79	87	92	91	90	77	77	160-8T/6-10	63	78	87	89	86	80	72	68
140-6T/3-10	70	80	88	93	92	91	78	78	160-8T/6-15	65	80	89	91	88	82	74	70
140-6T/3-15	71	81	89	94	93	92	79	79	160-8T/6-20	66	81	90	92	89	83	75	71
140-6T/3-20	73	83	91	96	95	94	81	81	160-8T/6-25	68	83	92	94	91	85	77	73
140-6T/6-5.5	66	81	90	92	89	83	75	71	160-8T/9-7.5	60	78	87	86	85	81	72	67
140-6T/6-7.5	67	82	91	93	90	84	76	72	160-8T/9-10	62	80	89	88	87	83	74	69
140-6T/6-10	68	83	92	94	91	85	77	73	160-8T/9-15	63	81	90	89	88	84	75	70
140-6T/6-15	69	84	93	95	92	86	78	74	160-8T/9-20	64	82	91	90	89	85	76	71
140-6T/6-20	71	86	95	97	94	88	80	76	160-8T/9-25	65	83	92	91	90	86	77	72
140-6T/6-25	72	87	96	98	95	89	81	77	160-8T/9-30	66	84	93	92	91	87	78	73
140-6T/6-30	73	88	97	99	96	90	82	78	160-8T/9-40	68	86	95	94	93	89	80	75

Dimensions in mm

HGT



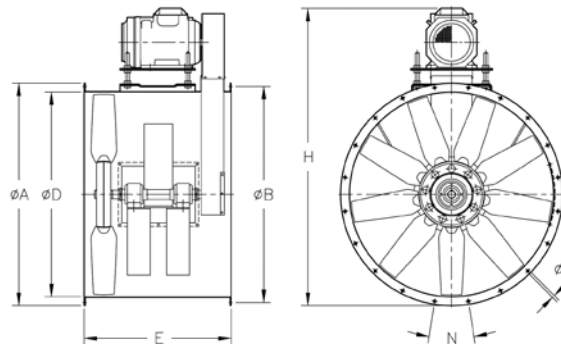
Model	ØA	ØB	C (Consult motor build sizes)							ØD	E*		ØJ	N
			132	160	180	200	225	250	280		Short (STD)	long		
HGT-125	1365	1320	586	-	-	-	-	-	-	1250	500	700	15	20x18°
HGT-125	1365	1320	-	700	-	-	-	-	-	1250	500	700	15	20x18°
HGT-125	1365	1320	-	-	765	825	-	-	-	1250	700	900	15	20x18°
HGT-125	1365	1320	-	-	-	-	910	-	-	1250	700	1000	15	20x18°
HGT-125	1365	1320	-	-	-	-	-	985	-	1250	700	1000	15	20x18°
HGT-125	1365	1320	-	-	-	-	-	-	1190	1250	700	1200	15	20x18°
HGT-140	1515	1470	586	-	-	-	-	-	-	1400	400	650	15	20x18°
HGT-140	1515	1470	-	700	-	-	-	-	-	1400	450	700	15	20x18°
HGT-140	1515	1470	-	-	765	825	-	-	-	1400	550	900	15	20x18°
HGT-140	1515	1470	-	-	-	-	910	-	-	1400	550	1000	15	20x18°
HGT-140	1515	1470	-	-	-	-	-	985	-	1400	600	1000	15	20x18°
HGT-160	1735	1680	586	-	-	-	-	-	-	1600	400	650	19	24x15°
HGT-160	1735	1680	-	700	-	-	-	-	-	1600	450	700	19	24x15°
HGT-160	1735	1680	-	-	765	825	-	-	-	1600	550	900	19	24x15°
HGT-160	1735	1680	-	-	-	-	910	-	-	1600	550	1000	19	24x15°
HGT-160	1735	1680	-	-	-	-	-	985	-	1600	600	1000	19	24x15°
HGT-160	1735	1680	-	-	-	-	-	-	1190	1600	700	1200	19	24x15°

* The standard version is short casing. On request, long-casing with an inspection hatch.

Motor build sizes depending on power

Pole	r/min	HP	3	4	5.5	7.5	10	15	20	25	30	40	50	60	75	100
4T	1500	-	-	-	-	132	160	160	180	180	200	225	225	250	280	
6T	1000	-	132	132	132	160	160	180	200	200	225	250	280	280	280	
8T	750	132	132	160	160	160	180	200	225	225	250	-	-	-	-	

HGTX



Model	ØA	ØB	ØD	E	H (Consult motor build sizes)							ØJ	N
					132	160	180	200	225	250	280		
HGT-X 125	1365	1320	1250	900	1743	1815	1850	-	-	-	-	15	20x18°
HGT-X 125	1365	1320	1250	960	-	-	-	1930	1995	-	-	15	20x18°
HGT-X 125	1365	1320	1250	1100	-	-	-	-	-	2060	-	15	20x18°
HGT-X 125	1365	1320	1250	1100	-	-	-	-	-	-	2090	15	20x18°

Motor build sizes depending on power

Pole	r/min	HP	3	4	5.5	7.5	10	15	20	25	30	40	50	60	75	100
4T	1500	-	-	-	-	132	160	160	180	180	200	225	225	250	280	
6T	1000	-	132	132	132	160	160	180	200	200	225	250	280	280	280	
8T	750	132	132	160	160	160	180	200	225	225	250	-	-	-	-	

EXAMPLE OF SELECTION

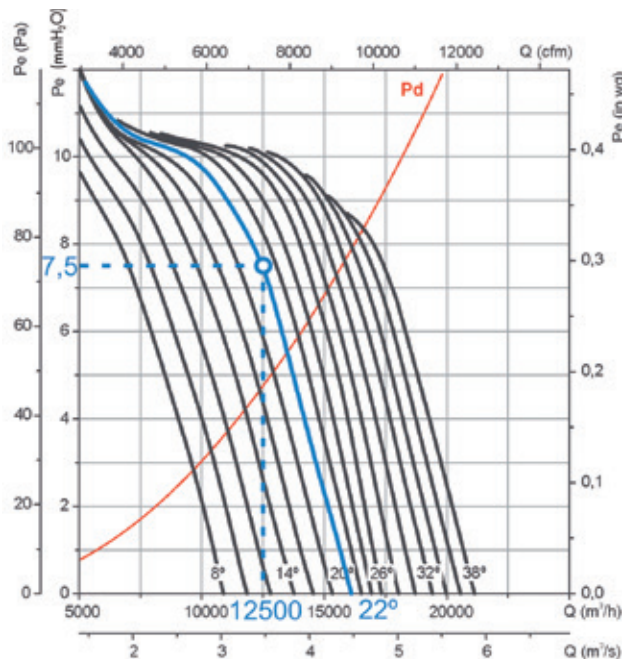
Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

Impeller diameter (cm): 125 Number of pole: 8

Number of blades: 3



Initial data

- Working point:
- Airflow: 12,500 m³/h
- Loss of load: 7.5 mmH₂O

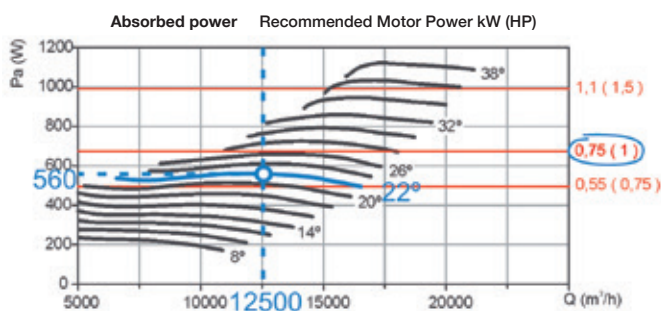
Steps for the selection of equipment

On the pressure graph:

1. Mark the working point, defined by the airflow (12,500 m³/h) and the loss of load (7.5 mmH₂O).
2. Select the curve of the equipment which is closest above the working point. In our case, a curve with a blade angle of 22° is obtained.

On the power graph:

3. Mark the working point, defined by the airflow (12,500 m³/h) and the selected blade angle (22°).
4. Read the absorbed power on the power axis on the left. Pa = 560 W at the working point.
5. Look for the straight red line which is closest to the working point above. On the right-hand side of the graph, the value of the installed motor power is obtained. In our case, this is 0.75 kW or 1 HP



EXAMPLE OF ORDER CODE

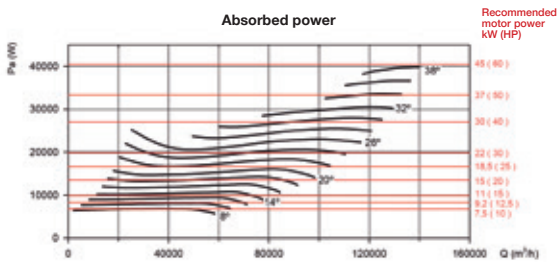
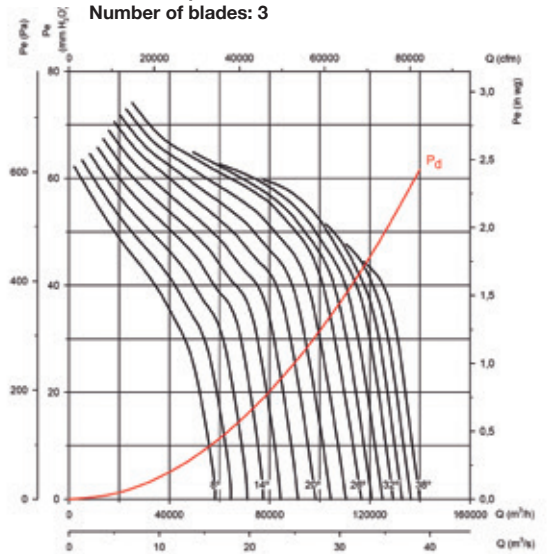
HGT	—	125	—	8T	—	3	—	1	—	22
HGT: Large diameter long cased axial fans with direct drive motor HGTX: Large diameter long cased axial fans with external motor		Impeller diameter in cm.		Number of motor pole 4=1400 r/min. 50 Hz. 6=900 r/min. 50 Hz. 8=750 r/min. 50 Hz.	T=Three-phase	Number of blades: 3 blades 6 blades 9 blades		Motor power (HP)		Impeller blade angle

Characteristic Curves

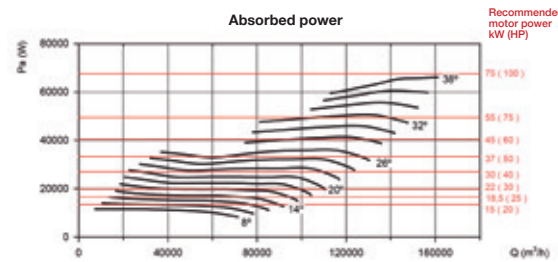
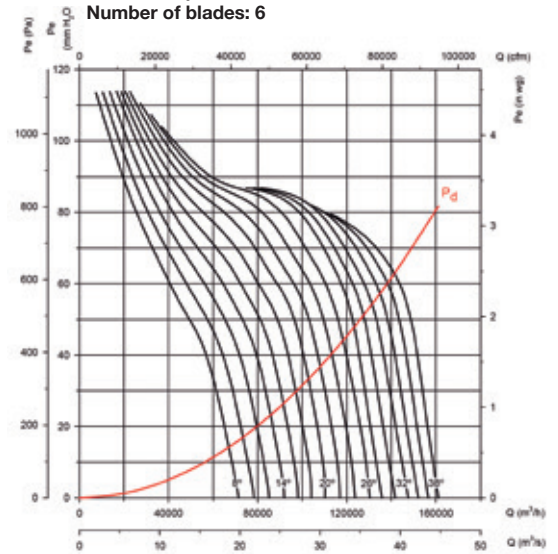
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

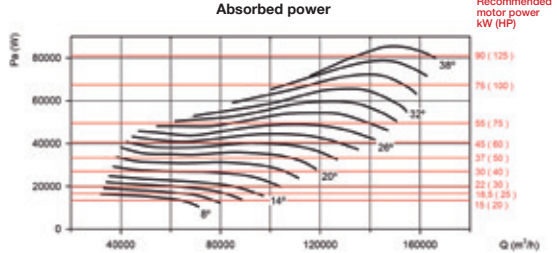
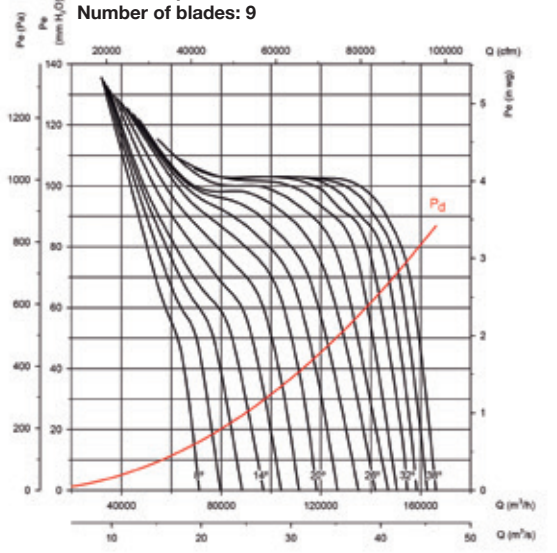
Impeller diameter (cm): 125
Number of pole: 4
Number of blades: 3



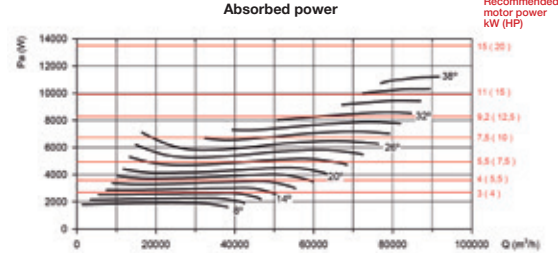
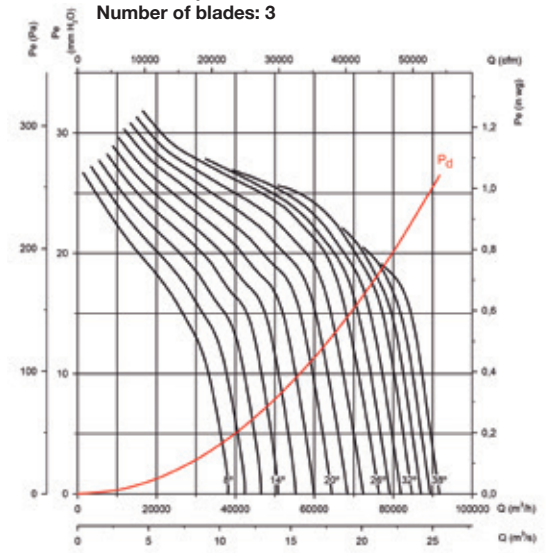
Impeller diameter (cm): 125
Number of pole: 4
Number of blades: 6



Impeller diameter (cm): 125
Number of pole: 4
Number of blades: 9



Impeller diameter (cm): 125
Number of pole: 6
Number of blades: 3

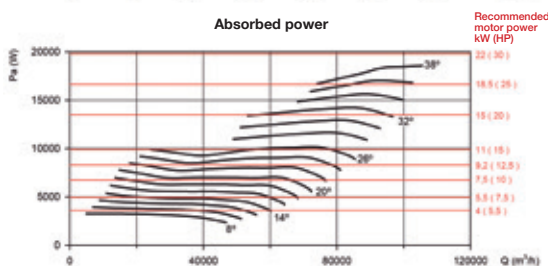
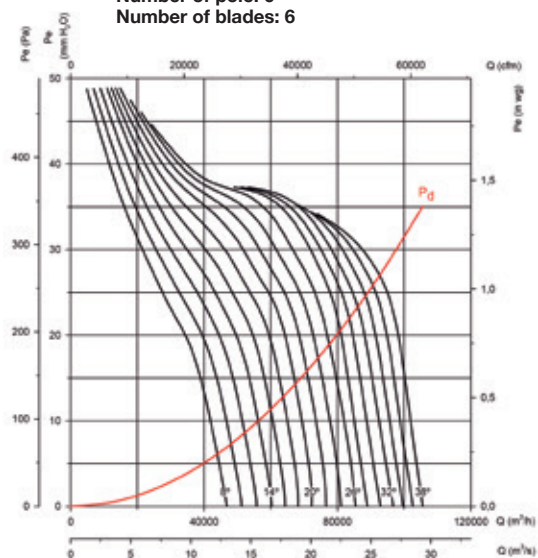


Characteristic Curves

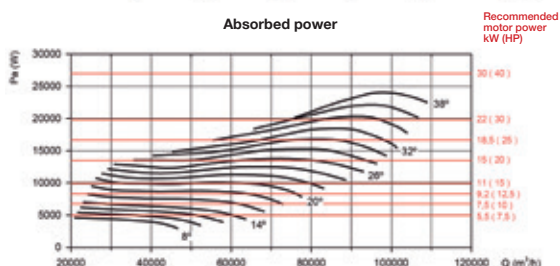
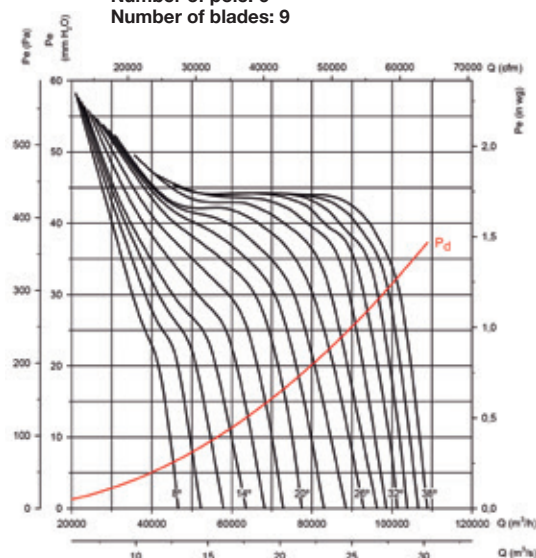
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

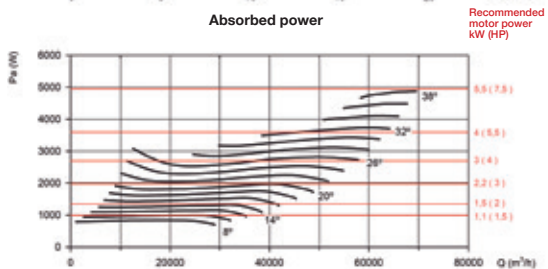
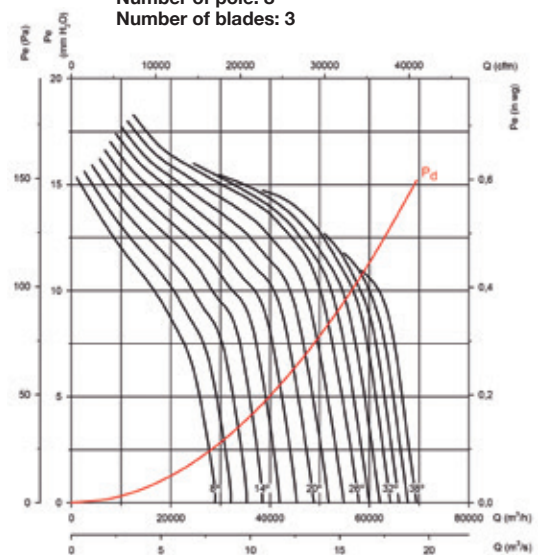
Impeller diameter (cm): 125
Number of pole: 6
Number of blades: 6



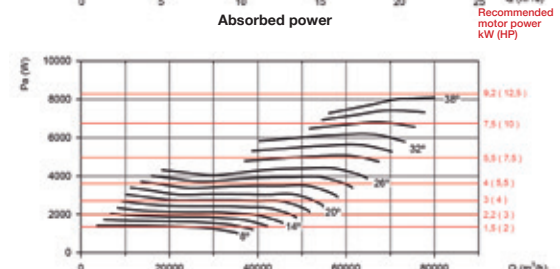
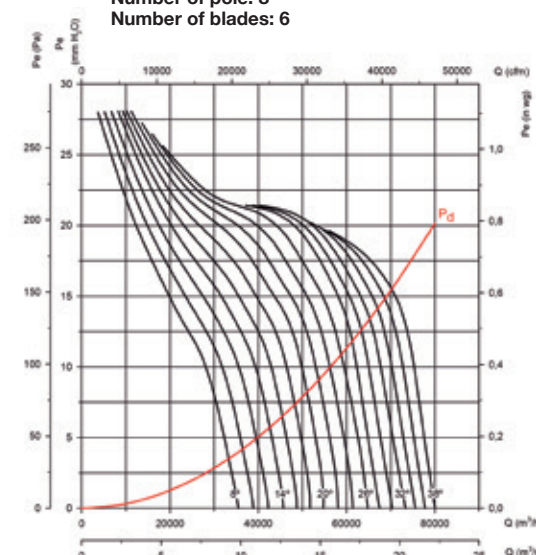
Impeller diameter (cm): 125
Number of pole: 6
Number of blades: 9



Impeller diameter (cm): 125
Number of pole: 8
Number of blades: 3



Impeller diameter (cm): 125
Number of pole: 8
Number of blades: 6

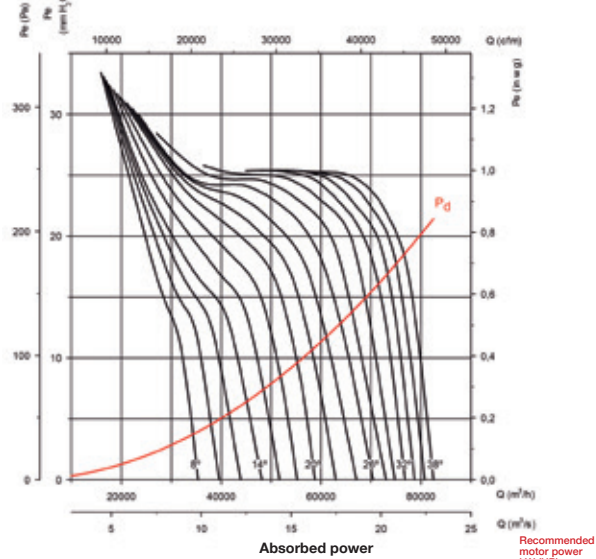


Characteristic Curves

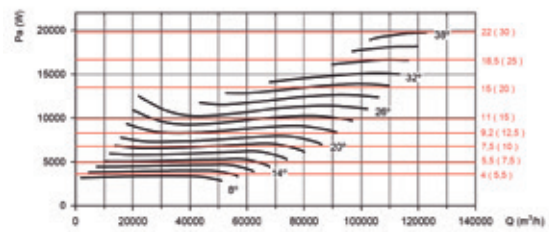
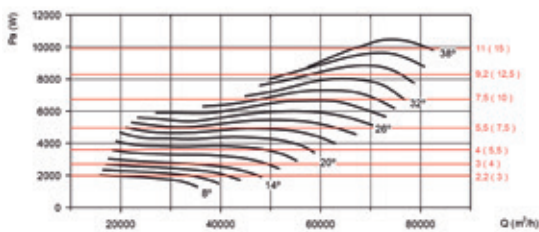
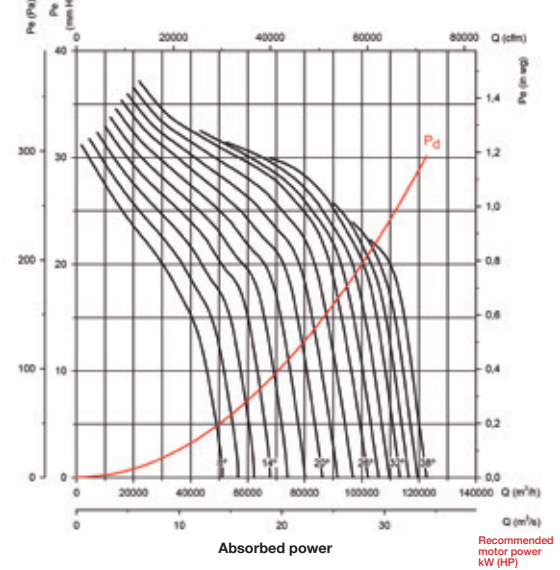
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

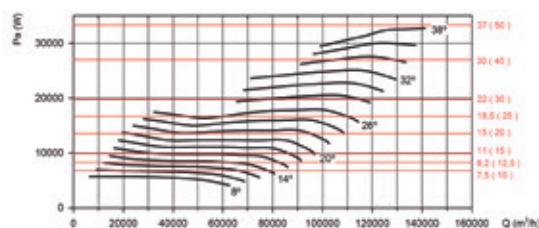
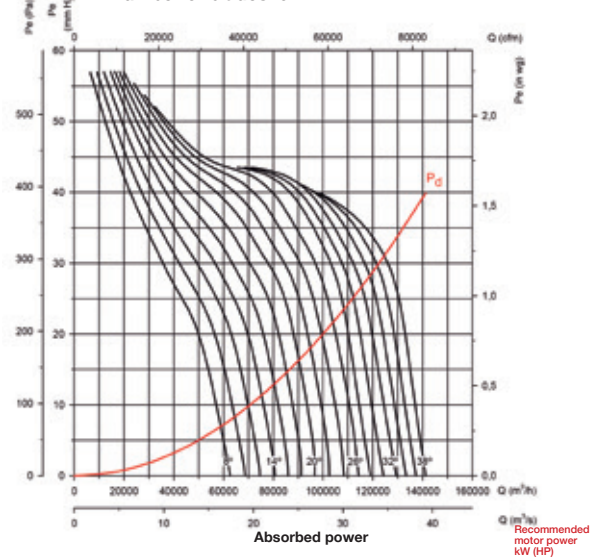
Impeller diameter (cm): 125
Number of pole: 8
Number of blades: 9



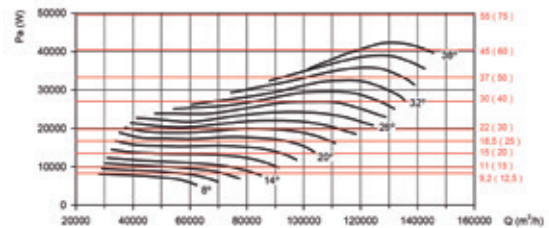
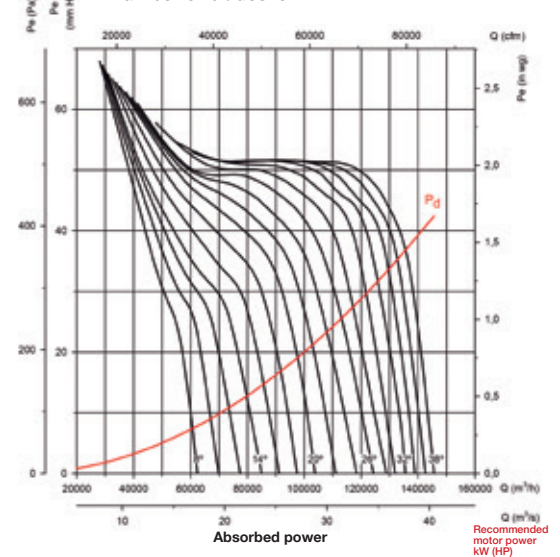
Impeller diameter (cm): 140
Number of pole: 6
Number of blades: 3



Impeller diameter (cm): 140
Number of pole: 6
Number of blades: 6



Impeller diameter (cm): 140
Number of pole: 6
Number of blades: 9

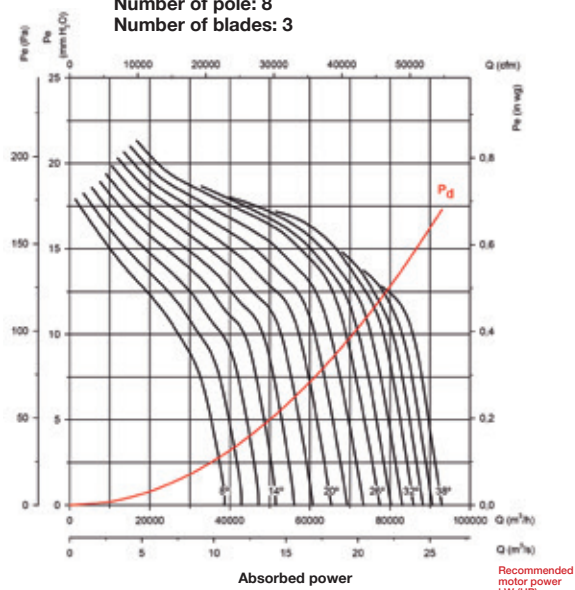


Characteristic Curves

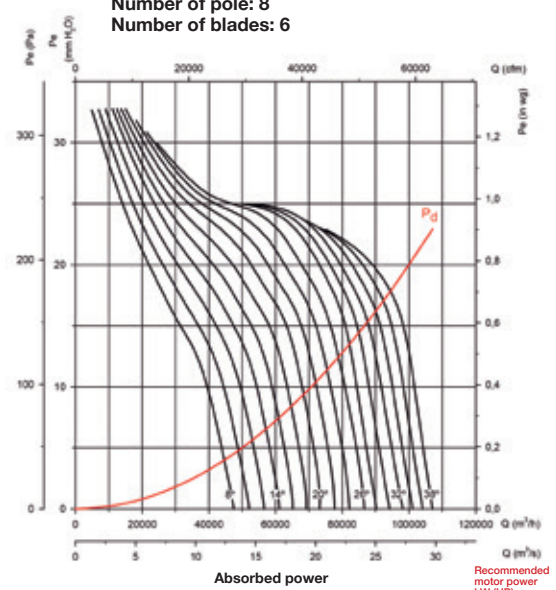
Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg

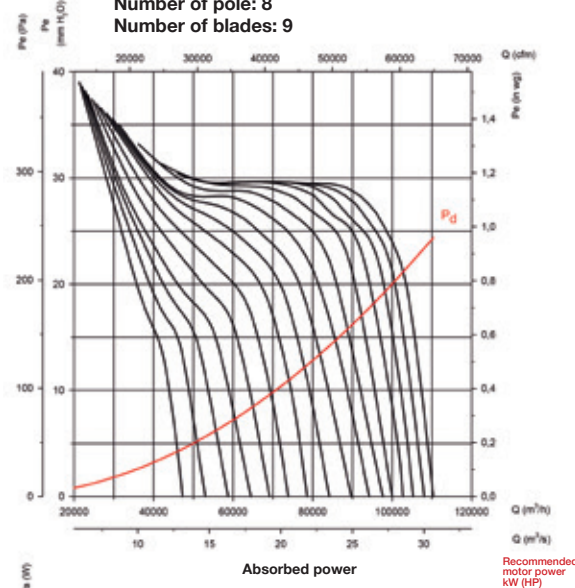
Impeller diameter (cm): 140
Number of pole: 8
Number of blades: 3



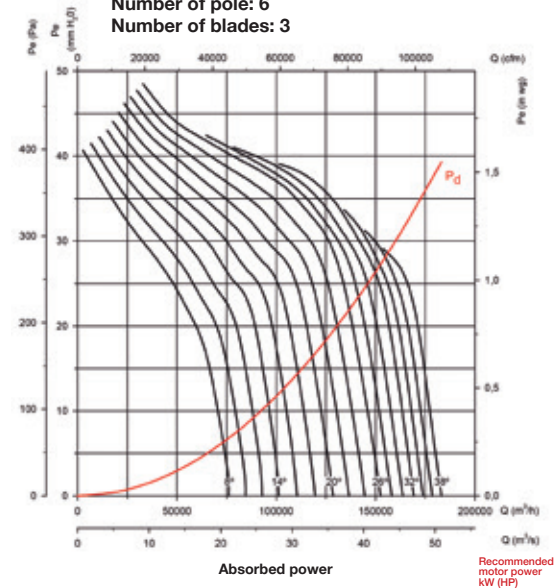
Impeller diameter (cm): 140
Number of pole: 8
Number of blades: 6



Impeller diameter (cm): 140
Number of pole: 8
Number of blades: 9



Impeller diameter (cm): 160
Number of pole: 6
Number of blades: 3

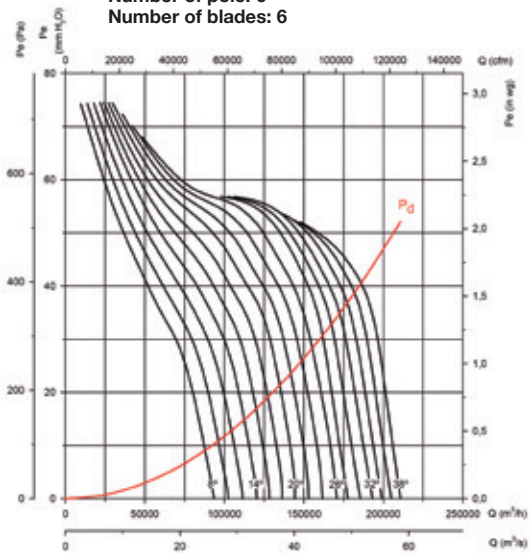


Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

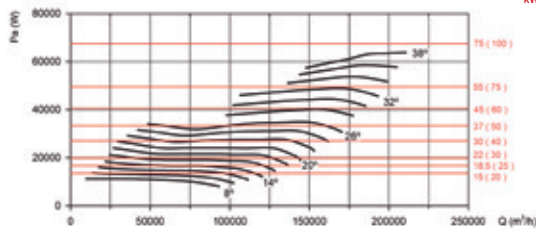
Pe = Static pressure in mmH₂O, Pa and inwg

Impeller diameter (cm): 160
Number of pole: 6
Number of blades: 6

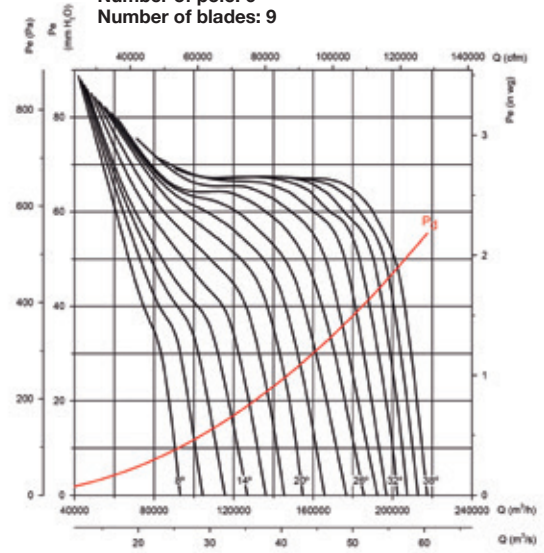


Absorbed power

Recommended motor power
kW (HP)

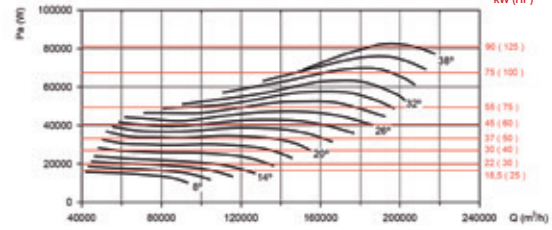


Impeller diameter (cm): 160
Number of pole: 6
Number of blades: 9

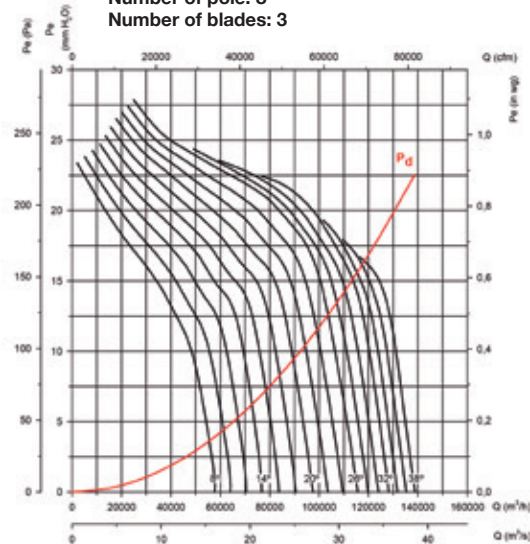


Absorbed power

Recommended motor power
kW (HP)

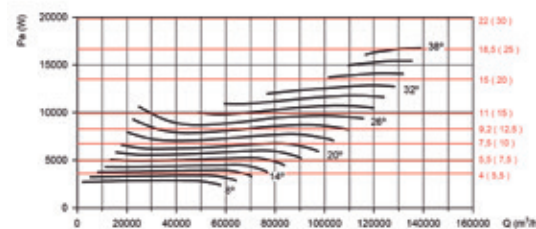


Impeller diameter (cm): 160
Number of pole: 8
Number of blades: 3

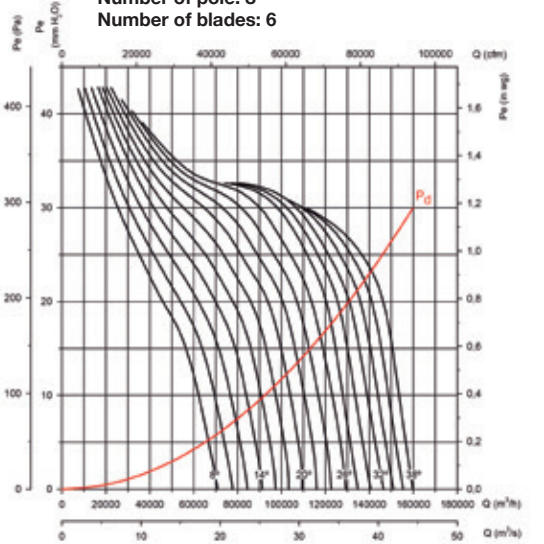


Absorbed power

Recommended motor power
kW (HP)

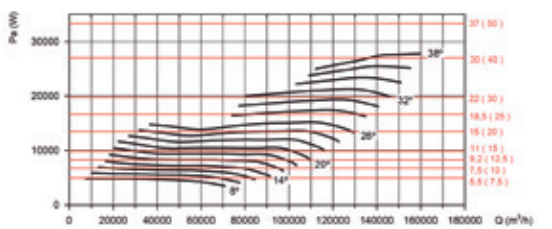


Impeller diameter (cm): 160
Number of pole: 8
Number of blades: 6



Absorbed power

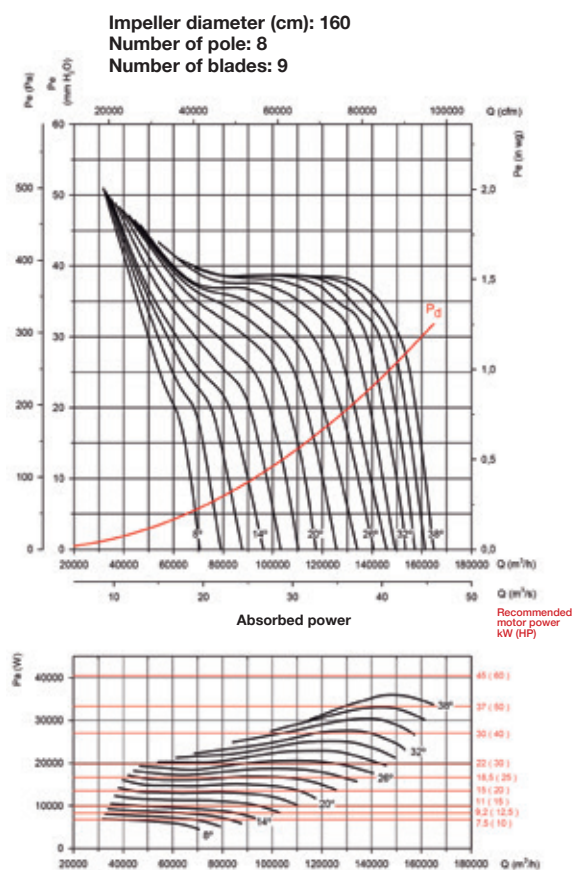
Recommended motor power
kW (HP)



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Accessories

See accessories section.



Alphabetical index of references. FANS

CMRS	6
CASB	12
CAB	18
CMRS-X	23
CASB-X	31
CMRH	40
HFW	45
HTP	50
HBA	56
HPX/SEC	58
HGT	60
HGTX	60

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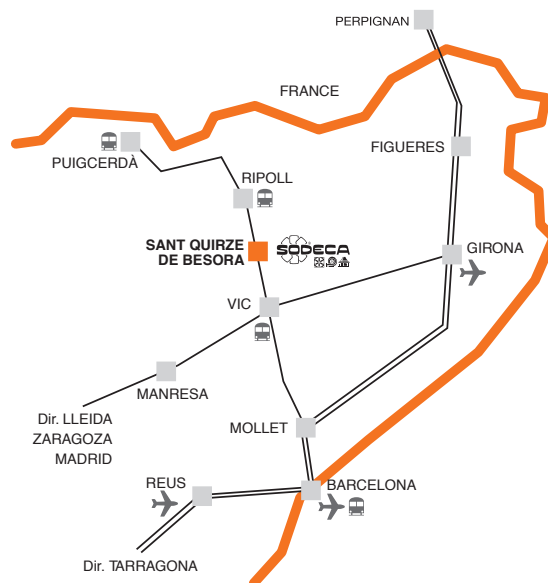
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