

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				
CBI-2063-8T	705	5.63	3.25		1.10	11600	65	210.5
CBI-2271-4T	1460		20.20	11.60	11.00	34610	85	315.0
CBI-2271-6T	960	12.70	7.30		3.00	22750	76	293.5
CBI-2271-8T	705	7.10	4.10		1.50	17360	69	275.5
CBI-2380-4T	1465		42.00	24.00	22.00	48000	83	416.0
CBI-2380-6T	970		19.20	11.10	7.50	30000	75	363.0
CBI-2380-8T	705	12.82	7.40		3.00	22000	66	317.0
CBI-2590-4T	1470		69.20	40.10	37.00	54000	86	418.0
CBI-2590-6T	970		23.20	13.40	11.00	34000	76	378.0
CBI-28100-4T	1475		99.00	57.00	55.00	75000	87	553.0
CBI-28100-6T	970		35.00	20.00	18.50	48000	77	521.0

Erp. BEP (best efficiency point) characteristics

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH ₂ O)	(RPM)
CBI-622-2T	A	S	NO	1.01	45.8%	63.8	0.193	550	59.13	2854
CBI-625-2T	A	S	NO	1.01	49.0%	63.7	0.395	791	89.77	2774
CBI-728-2T	A	S	NO	1.01	51.7%	64.4	0.620	997	117.96	2789
CBI-731-2T	A	S	NO	1.01	59.6%	70.8	0.873	1320	144.66	2791
CBI-1031-2T	A	S	NO	1.01	54.5%	64.0	1.250	2553	98.00	2845
CBI-1135-2T	A	S	NO	1.01	57.8%	64.2	2.449	4249	122.18	2892
CBI-1240-2T	A	S	NO	1.02	67.6%	71.1	4.622	6744	169.95	2871
CBI-1240-4T	A	S	NO	1.00	50.6%	63.8	0.550	2924	34.89	1448
CBI-1445-2T	A	S	NO	1.02	63.4%	64.5	7.943	8951	206.50	2879
CBI-1445-4T	A	S	NO	1.01	55.3%	66.0	0.966	3883	50.49	1428
CBI-1650-2T	B	T	NO	1.02	67.6%	67.5	12.047	12602	237.31	2941
CBI-1650-4T	A	S	NO	1.01	58.3%	66.8	1.532	5378	60.90	1441
CBI-1650-6T	A	S	NO	1.00	47.6%	60.7	0.566	4109	24.02	969
CBI-1856-4T	A	S	NO	1.01	58.8%	64.2	3.028	8342	78.29	1453
CBI-1856-6T	A	S	NO	1.00	50.4%	60.8	1.013	5632	33.24	960
CBI-2063-4T	B	T	NO	1.01	76.4%	78.7	6.032	13932	121.38	1442
CBI-2063-6T	A	S	NO	1.00	61.2%	69.0	1.790	9620	41.77	957
CBI-2063-8T	A	S	NO	1.00	52.4%	63.9	0.797	6180	24.77	726
CBI-2271-4T	B	T	NO	1.01	75.4%	75.3	12.117	22380	149.81	1460
CBI-2271-6T	B	T	NO	1.01	65.9%	70.6	3.546	15016	57.11	960
CBI-2271-8T	A	S	NO	1.00	55.5%	64.1	1.532	10253	30.43	715
CBI-2380-4T	B	T	NO	1.02	76.8%	76.1	19.785	29151	191.37	1472
CBI-2380-6T	B	T	NO	1.01	70.5%	72.4	6.573	19494	87.23	977
CBI-2380-8T	B	T	NO	1.01	68.1%	73.3	3.202	15151	52.84	713
CBI-2590-4T	B	T	NO	1.02	71.4%	70.1	34.213	38387	233.45	1474
CBI-2590-6T	B	T	NO	1.01	75.5%	75.7	9.611	25620	104.01	977
CBI-28100-4T	B	T	NO	1.03	76.5%	74.8	52.637	52061	283.94	1478
CBI-28100-6T	B	T	NO	1.01	75.1%	74.6	16.702	36707	125.40	976

Acoustic features

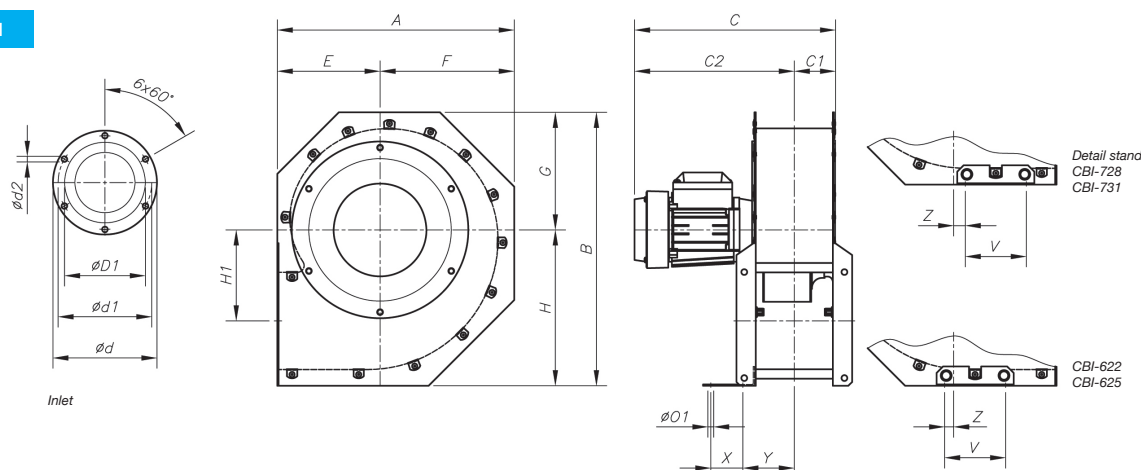
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the turbine's diameter, with a minimum of 1.5 m.

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
CBI-622-2T	59	72	72	85	80	80	80	73	CBI-1856-6	61	69	81	83	80	81	71	60
CBI-625-2T	60	73	73	86	81	81	81	74	CBI-2063-4	80	85	91	93	91	88	81	73
CBI-728-2T	61	74	74	87	82	82	82	75	CBI-2063-6	69	70	82	82	81	83	73	63
CBI-731-2T	62	75	75	88	83	83	83	76	CBI-2063-8	64	70	77	76	77	74	66	57
CBI-1031-2	65	78	78	91	86	86	86	79	CBI-2271-4	83	84	93	96	98	99	95	82
CBI-1135-2	72	79	77	89	87	93	92	79	CBI-2271-6	73	73	87	86	90	90	79	68
CBI-1240-2	68	83	81	93	90	94	96	83	CBI-2271-8	68	73	78	85	81	80	70	59
CBI-1240-4	56	70	76	79	79	80	70	59	CBI-2380-4	76	78	94	91	96	97	93	82
CBI-1445-2	73	85	83	95	93	97	99	89	CBI-2380-6	68	70	86	83	88	89	85	74
CBI-1445-4	59	72	78	83	80	83	78	64	CBI-2380-8	59	61	77	74	79	80	76	65
CBI-1650-2	73	81	85	99	97	99	99	88	CBI-2590-4	79	84	97	100	96	89	84	66
CBI-1650-4	64	74	82	84	83	85	76	66	CBI-2590-6	70	79	89	88	85	84	74	68
CBI-1650-6	53	65	72	77	73	69	62	54	CBI-28100-4	82	89	101	102	97	93	87	78
CBI-1856-4	69	78	91	87	90	91	85	71	CBI-28100-6	73	82	91	90	88	86	77	70

Dimensions in mm

CBI-622...731

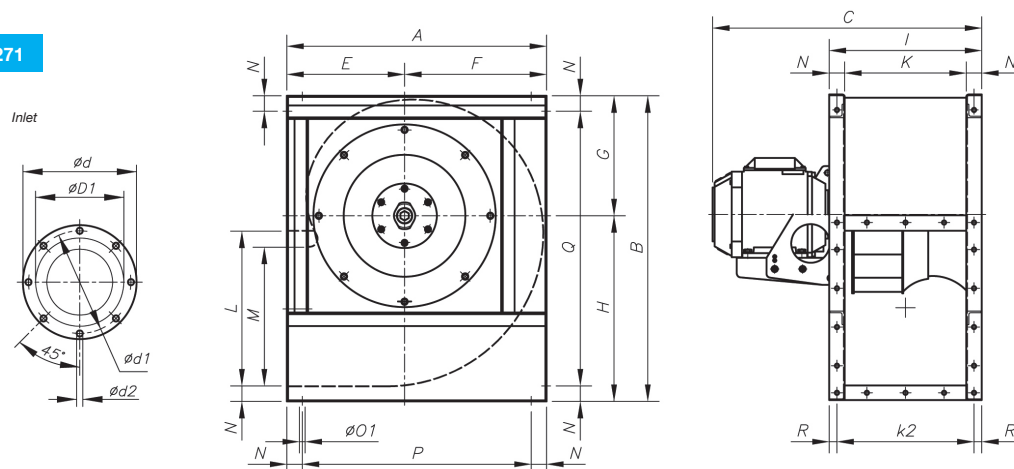


Model	A	B	C	C1	C2	D1*	D2	D1	D2	E	F	G	H	H1	O1	V	X	Y	Z
CBI-622-2T	364	415.5	338.5	64	274.5	162	284	256	9.5	160	204	178	237.5	141.5	9	95	50	80	14
CBI-625-2T	407	457	343.5	66.5	277	160	315	282	9.5	183	224	195.5	261.5	155	9	95	50	82.5	6
CBI-728-2T	453.5	506.5	357.5	72.5	285	192	354	320	9.5	205	248.5	216	290.5	176	9	95	50	88.2	6.5
CBI-731-2T	507	564	374	70	304	192	382	354	9.5	230	277	240.5	323.5	197.5	9	95	50	85.2	20.5

* Recommended nominal diameter for duct.

Dimensions in mm

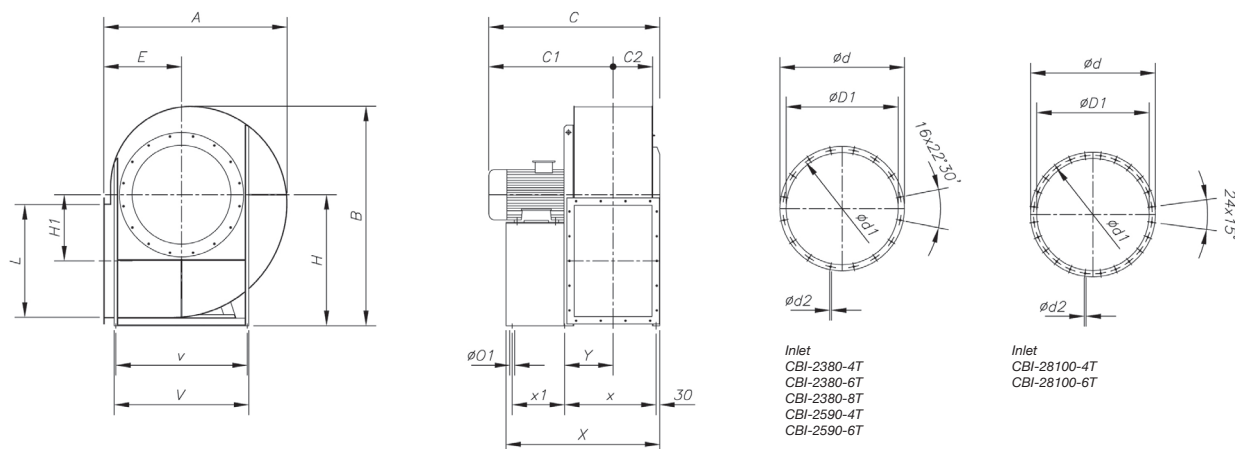
CBI-1031...2271



Model	A	B	C	øD1*	ød	ød1	ød2	E	F	G	H	I	K	k2	L	M	N	øO1	P	Q	R
CBI-1031-2T	542	626	567	315	383	356	M8	250	292	245	381	320	250	285	315	276	35	11	472	556	17,5
CBI-1135-2T	600	696	583	355	425	398	M8	275	325	273	423	350	280	315	355	310	35	11	530	626	17,5
CBI-1240-2T	673	790	728	400	472	444	M10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CBI-1240-4T	673	790	590	400	472	444	M10	305	368	310	480	395	315	355	400	358	40	11	593	710	20
CBI-1445-2T	765	880	810	450	522	494	M10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CBI-1445-4T	765	880	649	450	522	494	M10	350	415	339	541	445	355	405	450	404	45	11	675	790	20
CBI-1650-2T	832	970	961	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CBI-1650-4T	832	970	715	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CBI-1650-6T	832	970	695	500	582	555	M10	375	457	378	592	490	400	450	500	445	45	13	742	880	20
CBI-1856-4T	925	1084	832	560	645	615	M10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CBI-1856-6T	925	1084	771	560	645	615	M10	415	510	426	658	550	450	500	560	493	50	13	825	984	25
CBI-2063-4T	1037	1218	973	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CBI-2063-6T	1037	1218	893	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CBI-2063-8T	1037	1218	893	630	720	688	M10	465	572	477	741	620	500	560	630	530	60	13	917	1098	30
CBI-2271-4T	1173	1375	1126	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32,5
CBI-2271-6T	1173	1375	1039	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32,5
CBI-2271-8T	1173	1375	1002	710	800	768	M12	525	648	538	837	690	560	625	710	603	65	13	1043	1245	32,5

* Recommended nominal diameter for duct.

CBI-2380...28100



Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	L	øO1	V	v	X	x	x1	Y
CBI-2380-4T	1350	1660	1245	899	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CBI-2380-6T	1350	1660	1030	744	286	808	906	861	11.5	56	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CBI-2380-8T	1350	1660	1035	681	286	808	906	861	11.5	560	1000	500	800	17	930	870	1102.5	667.5	370	352.5
CBI-2590-4T	1495	1785	1390	1012	321	908	1008	958	14	630	1060	535	900	19	1030	970	1246	425	751	393
CBI-2590-6T	1495	1785	1235	857	321	908	1008	958	14	630	1060	535	900	19	1030	970	1121	340	721	373
CBI-28100-4T	1680	1990	1470	1051	362	1008	1108	1067	14	710	1180	610	1000	19	1130	1060	1378	460	843	454
CBI-28100-6T	1680	1990	1395	976	362	1008	1108	1067	14	710	1180	610	1000	19	1130	1060	1278	385	823	434

* Recommended nominal diameter for duct.

Dimensions in mm

Outlet

CBI-/ 1031
CBI-1135
CBI-2590
CBI-28100

CBI-622
CBI-625
CBI-728
CBI-731

CBI-1240
CBI-1445
CBI-1650

CBI-1856

CBI-2063

CBI-2271

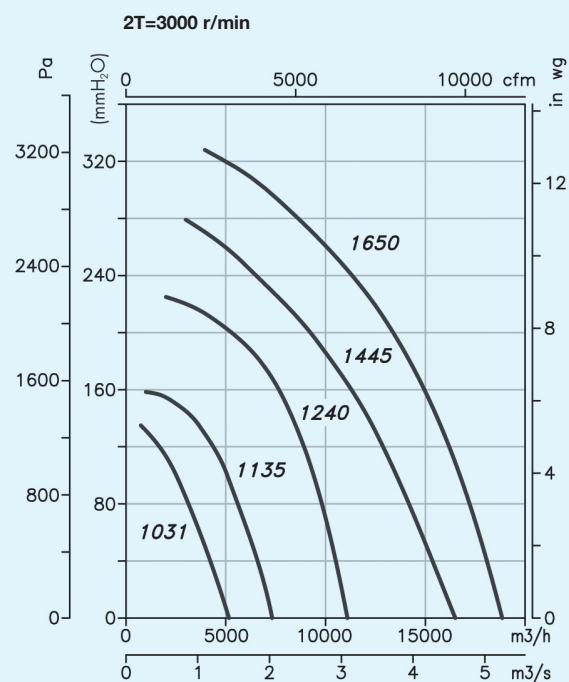
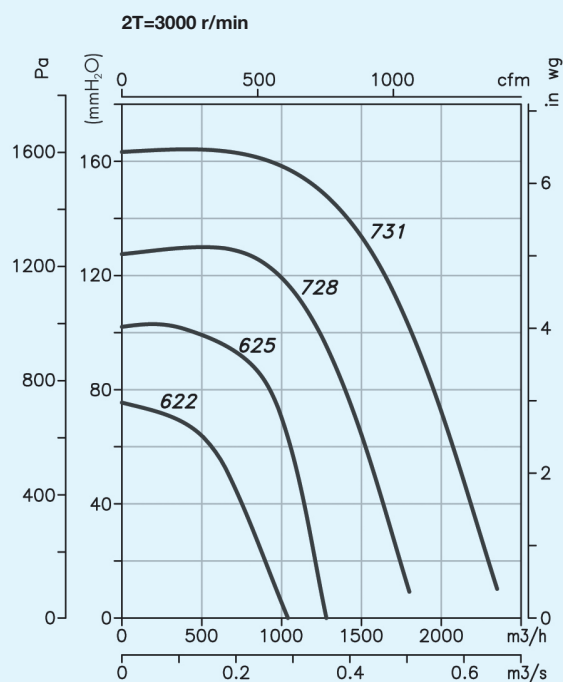
CBI-2380

Model	I	J	J1	J2	K	k	k1	k2	L	øO	S
CBI-622	180	191.5	-	165	120	-	-	156	150	9	12
CBI-625	185	207.5	-	181.5	125	-	-	161	167.5	9	12
CBI-728	196.5	234.5	-	202	136.5	-	-	172.5	187.5	9	12
CBI-731	190.5	250.5	-	227.5	130.5	-	-	166.5	211	9	12
CBI-1031	320	385	75	350	250	100	92.5	285	315	11	-
CBI-1135	350	425	95	390	280	100	107.5	315	355	11	-
CBI-1240	395	480	70	440	315	100	77.5	355	400	11	-
CBI-1445	445	540	99	498	355	100	102.5	405	450	11	-
CBI-1650	490	590	87.5	550	400	125	100	450	500	13	-
CBI-1856	550	660	55	610	450	125	125	500	560	13	-
CBI-2063	620	750	95	690	500	125	92.5	560	630	13	-
CBI-2271	690	840	75	775	560	125	62.5	625	710	13	-
CBI-2380	680	920	160	871	560	200	140	639	800	14	-
CBI-2590	750	1020	84	968	630	200	54	708	900	14	-
CBI-28100	830	1120	138.5	1077	710	200	92.5	785	1000	14	-

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

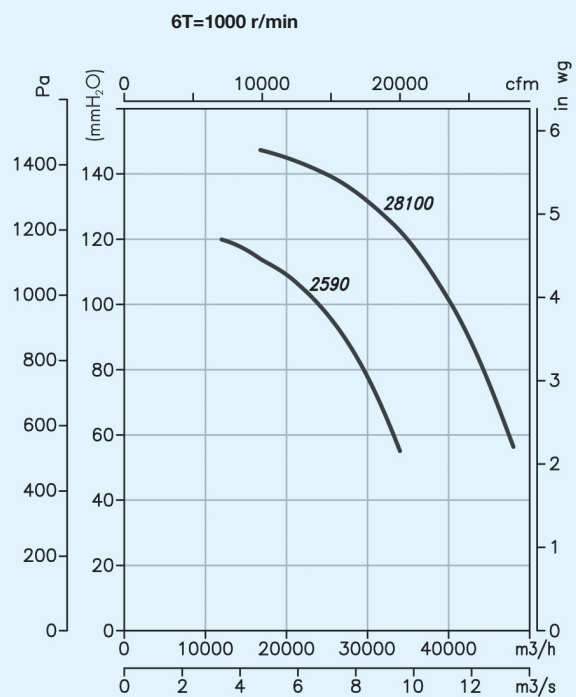
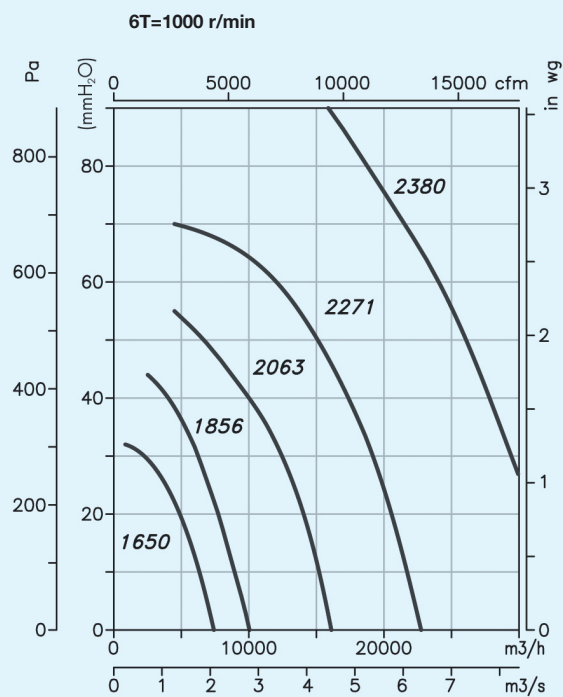
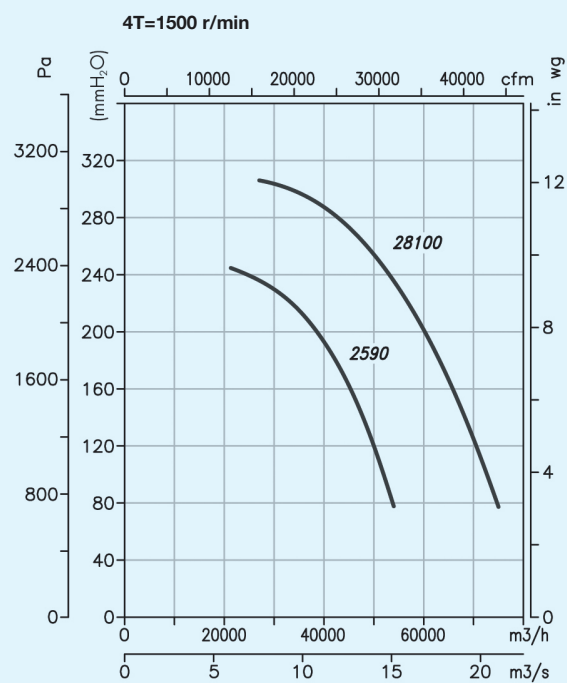
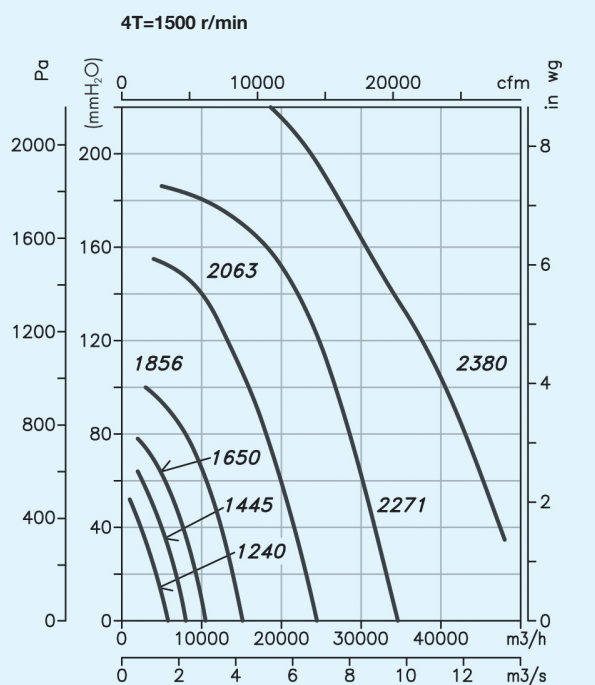
Pe = Static pressure in mm.w.c., Pa and inwg.



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

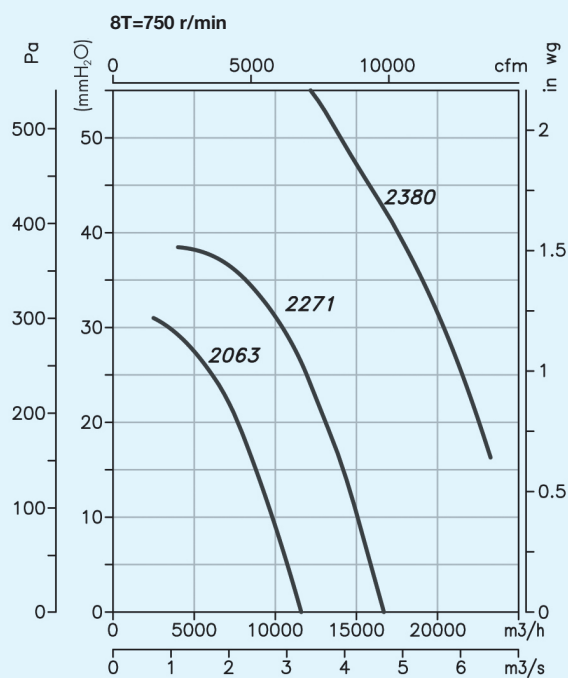
Pe = Static pressure in mm.w.c., Pa and inwg.



Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mm.w.c., Pa and inwg.



Positions

LG 270 standard supply

Models 2380, 2590 and 28100 fixed positions LG 270 (other positions on request only)



LG0



LG90



LG180



LG270



RD 0



RD 90



RD 180



RD 270