



Application

The fans are designed for transporting clean and slightly dusted air. They are used as elements of various ventilation systems and to generate air blast in numerous industrial processes.

Construction

Low-pressure, centrifugal, direct-driven fans. The rotor with welded, backward-tilted blades is made of steel sheet. The housing is made of welded steel sheet, reinforced with steel angle bars and connected to the base of the electric motor. The whole set is painted with powder paint.

Electric motor

Asynchronous, three phase 400V, 50Hz, IE3. The motors are manufactured in accordance with the IEC 60034-1 standard. Insulation class F, degree of protection IP 55. On request, we can supply motors driven by another voltage or frequency, and/or with an increased level of protection.

Additional accessories

Inlet and outlet adaptors, noise suppressor, noise dampening housing for motors, vibration dampeners, etc.

Fans and accessories are selected on request.

Beteckningar

Teknisk data

Modell	Märkspänning [V]	Hastighet [r.p.m.]	P max [W]	I max [A]	Q max [m3/h]	P statistiskt [Pa]	Vikt [kg]	Temp. min. [°C]	Temp. max. [°C]
BL-2-315-075T	400	2985	750	1.7	3170	1330	42	-20	40
BL-2-355-150T	400	2985	1500	3	4530	1690	62	-20	40
BL-2-400-300T	400	2985	3000	5.8	6480	2150	85	-20	40
BL-2-450-550T	400	2985	5500	10	9250	2720	137	-20	40
BL-2-500-750T	400	2985	7500	13.3	11790	3360	187	-20	40
BL-4-315-055T	400	1495	550	1.6	1590	335	40	-20	40
BL-4-355-055T	400	1495	550	1.6	2270	425	53	-20	40
BL-4-400-110T	400	1495	1100	2.5	3240	540	80	-20	40
BL-4-450-110T	400	1495	1100	2.5	4630	680	100	-20	40
BL-4-500-220T	400	1495	2200	4.6	5900	840	149	-20	40
BL-4-560-220T	400	1495	2200	4.6	8920	1050	175	-20	40
BL-4-630-300T	400	1495	3000	8.1	12720	1330	215	-20	40
BL-4-710-550T	400	1495	5500	10.4	18140	1690	305	-20	40
BL-4-800-1100T	400	1495	11000	20.9	26020	2140	460	-20	40
BL-4-900-1850T	400	1495	18500	33.9	26960	2710	640	-20	40
BL-6-710-220T	400	990	2200	5	12050	740	276	-20	40
BL-6-800-400T	400	990	4000	8.1	17290	940	410	-20	40
BL-6-900-550T	400	990	5500	11.1	24550	1190	520	-20	40
BL-6-1000-1100T	400	990	11000	21.4	28060	1480	710	-20	40
BL-6-1120-1850T	400	990	18500	36	43440	1850	970	-20	40
BL-6-1250-3000T	400	990	30000	56	65640	2310	1220	-20	40

Dimensioner (mått i millimeter)



Model	A	B	C	D	E	F*	H	L*	Q1*	Q2	T*	U*	V	no x ØK	a	a1
BL 315	211	248	230	285	165	337	375	370	350	150	180	472	137	6xØ11,5	286	260
BL 355	236	277	255	318	178	380	425	450	400	180	180	513	165	6xØ14	312	286
BL 400	264	309	285	356	194	426	465	470	400	180	220	579	176	6xØ14	362	326
BL 450	296	352	319	404	222	467	512	550	460	180	240	642	197	6xØ14	397	361
BL 500	333	395	348	454	244	587	566	550	500	250	320	772	226	6xØ17	437	401
BL 560	375	442	392	508	266	659	645	720	500	250	370	863	249	6xØ17	482	446
BL 630	422	496	441	570	291	755	725	915	600	250	420	974	285	6xØ17	532	496
BL 710	469	550	490	633	316	780	775	1000	600	250	420	1024	310	6xØ17	582	546
BL 800	525	616	548	708	346	790	895	850	670	250	380	1054	350	6xØ17	642	606
BL 900	591	696	618	800	382	896	980	900	743	300	420	1181	401	6xØ22	752	702
BL 1000	666	782	694	899	423	936	1130	1000	743	300	420	1261	441	6xØ22	832	782
BL 1120	750	879	781	1011	468	981	1250	1100	743	300	420	1351	486	6xØ22	922	872
BL 1250	844	988	879	1137	518	1031	1390	1240	900	300	420	1451	536	6xØ22	1022	972

Model	a2	e1	no x z1	b	b1	b2	e	no x z	no x ØW	d1	d2	d3	no x Ød
BL 315	224	130	-	286	260	224	130	-	8xØ10	253	323	292	8xØ11,5
BL 355	250	143	-	312	286	252	143	-	8xØ10	283	363	332	8xØ11,5
BL 400	280	163	-	362	326	282	163	-	10xØ12	318	398	366	8xØ11,5
BL 450	315	118	1x125	397	361	317	118	1x125	12xØ12	358	438	405	8xØ11,5
BL 500	355	138	1x125	437	401	357	138	1x125	12xØ12	404	484	448	12xØ11,5
BL 560	400	160,5	1x125	482	446	402	160,5	1x125	12xØ12	454	534	497	12xØ11,5
BL 630	450	60,5	3x125	532	496	452	60,5	3x125	20xØ12	504	584	551	12xØ11,5
BL 710	500	85,5	3x125	582	546	502	85,5	3x125	20xØ12	564	664	629	16xØ14
BL 800	560	115,5	3x125	642	606	562	115,5	3x125	20xØ12	634	734	698	16xØ14
BL 900	630	163,5	3x125	752	702	632	163,5	3x125	20xØ12	714	814	775	16xØ14
BL 1000	710	78,5	5x125	832	782	712	78,5	5x125	28xØ12	804	904	861	24xØ14
BL 1120	800	123,5	5x125	922	872	802	123,5	5x125	28xØ12	904	1004	958	24xØ14
BL 1250	900	173,5	5x125	1022	972	902	173,5	5x125	28xØ12	1005	1105	1067	24xØ14

* - dimensions depending on type of motor

** - some dimensions may differ, depending on orientation, outlet / inlet arrangement

Direktiv ErP

Modell	Mätkategori	Effektivitetskategori	Energieffektivitet	Energieffektivitetskrav 2015	Koefficient N	min. krav koefficient N 2015	P (ηmax) [W]	Q (ηmax) [m ³ /h]	Ps (ηmax) [Pa]
BL-2-315-075T	B	total	63.5%		74.6		870	1997	1021
BL-2-355-150T	B	total	65.6%		74.1		1540	2848	1301
BL-2-400-300T	B	total	68.4%		74.4		2700	4089	1647
BL-2-450-550T	B	total	69.8%		73.2		4800	5910	2055
BL-2-500-750T	B	total	70.9%		71.9		8000	7896	2598
BL-4-315-055T	B	total	56.5%		76.7		120	993	255
BL-4-355-055T	B	total	56.7%		74.1		220	1432	322
BL-4-400-110T	B	total	65.5%		80.9		350	2041	410
BL-4-450-110T	B	total	65.7%		78.3		630	2895	521
BL-4-500-220T	B	total	68.1%		78.5		1000	4016	637
BL-4-560-220T	B	total	68.3%		76.1		1820	5685	793
BL-4-630-300T	B	total	69.3%		74.4		3240	8004	1015

Modell	Mätkategori	Effektivitetskategori	Energieffektivitet	Energieffektivitetskrav 2015	Koefficient N	min. krav koefficient N 2015	P (η_{max}) [W]	Q (η_{max}) [m ³ /h]	Ps (η_{max}) [Pa]
BL-4-710-550T	B	total	71.1%		73.6		5770	11543	1280
BL-4-800-1100T	B	total	73.2%		81.2		10170	16513	1625
BL-4-900-1850T	B	total	73.7%		81		18300	23686	2041
BL-6-710-220T	B	total	67.2%		75		1800	7755	559
BL-6-800-400T	B	total	70.9%		76.3		3100	11094	710
BL-6-900-550T	B	total	71%		73.6		5600	15912	892
BL-6-1000-1100T	B	total	72.7%		73.1		9250	21747	1105
BL-6-1120-1850T	B	total	73.8%		73.4		16100	30106	1406
BL-6-1250-3000T	B	total	74.7%		73.7		27600	41697	1758

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