



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

Middle-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]
BM-2-315-110T	400	2985	1100	2.5	3480	1540	44	-20	40
BM-2-355-220T	400	2985	2200	4.3	4980	1930	64	-20	40
BM-2-400-400T	400	2985	4000	7.4	7080	2460	96	-20	40
BM-2-450-750T	400	2985	7500	13.3	10120	3110	145	-20	40
BM-2-500-1100T	400	2985	11000	19.6	13880	3870	245	-20	40
BM-2-560-1850T	400	2985	18500	32.1	19500	4850	285	-20	40
BM-2-630-3000T	400	2985	30000	51	27830	6090	455	-20	40
BM-4-315-055T	400	1490	550	1.6	1730	380	40	-20	40
BM-4-355-055T	400	1490	550	1.6	2280	425	53	-20	40
BM-4-400-110T	400	1490	550	2.5	3550	620	78	-20	40
BM-4-450-220T	400	1490	750	4.6	5050	770	108	-20	40
BM-4-500-220T	400	1490	1100	4.6	6920	960	148	-20	40
BM-4-560-220T	400	1490	2200	4.6	9730	1200	173	-20	40
BM-4-630-400T	400	1490	4000	8.1	13900	1510	222	-20	40
BM-4-710-750T	400	1490	7500	14.4	19850	1920	308	-20	40
BM-4-800-1500T	400	1490	15000	28.3	28300	2440	500	-20	40
BM-4-900-2200T	400	1490	22000	41.1	40400	3090	650	-20	40
BM-6-710-220T	400	990	2200	5	13200	860	275	-20	40
BM-6-800-400T	400	990	4000	8.1	18850	1100	408	-20	40
BM-6-900-750T	400	990	7500	14.8	26900	1365	585	-20	40
BM-6-1000-1500T	400	990	15000	29.3	30200	1700	760	-20	40
BM-6-1120-2200T	400	990	22000	42	41000	2150	990	-20	40
BM-6-1250-3700T	400	990	37000	70	72000	2660	1260	-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
BM 315	211	248	230	285	165	337	375	370	350	150	180	472	137	6xØ11,5	286	260
BM 355	236	277	255	318	178	380	425	450	400	180	180	513	165	6xØ14	312	286
BM 400	264	309	285	356	194	426	465	470	400	180	220	579	176	6xØ14	362	326
BM 450	296	352	319	404	222	467	512	550	460	180	240	642	197	6xØ14	397	361
BM 500	333	395	348	454	244	587	566	550	500	250	320	772	226	6xØ17	437	401
BM 560	375	442	392	508	266	659	645	720	500	250	370	863	249	6xØ17	482	446
BM 630	422	496	441	570	291	755	725	915	600	250	420	974	285	6xØ17	532	496
BM 710	469	550	490	633	316	780	775	1000	600	250	420	1024	310	6xØ17	582	546
BM 800	525	616	548	708	346	790	895	850	670	250	380	1054	350	6xØ17	642	606
BM 900	591	696	618	800	382	896	980	900	743	300	420	1181	401	6xØ22	752	702
BM 1000	666	782	694	899	423	936	1130	1000	743	300	420	1261	441	6xØ22	832	782
BM 1120	750	879	781	1011	468	981	1250	1100	743	300	420	1351	486	6xØ22	922	872
BM 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
BM 315	224	130	-	286	260	224	130	-	8xØ10	253	323	292	8xØ11,5
BM 355	250	143	-	312	286	252	143	-	8xØ10	283	363	332	8xØ11,5
BM 400	280	163	-	362	326	282	163	-	10xØ12	318	398	366	8xØ11,5
BM 450	315	118	1x125	397	361	317	118	1x125	12xØ12	358	438	405	8xØ11,5
BM 500	355	138	1x125	437	401	357	138	1x125	12xØ12	404	484	448	12xØ11,5
BM 560	400	160,5	1x125	482	446	402	160,5	1x125	12xØ12	454	534	497	12xØ11,5
BM 630	450	60,5	3x125	532	496	452	60,5	3x125	20xØ12	504	584	551	12xØ11,5
BM 710	500	85,5	3x125	582	546	502	85,5	3x125	20xØ12	564	664	629	16xØ14
BM 800	560	115,5	3x125	642	606	562	115,5	3x125	20xØ12	634	734	698	16xØ14
BM 900	630	163,5	3x125	752	702	632	163,5	3x125	20xØ12	714	814	775	16xØ14
BM 1000	710	78,5	5x125	832	782	712	78,5	5x125	28xØ12	804	904	861	24xØ14
BM 1120	800	123,5	5x125	922	872	802	123,5	5x125	28xØ12	904	1004	958	24xØ14
BM 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) [m³/h]	Ps (ηmax) [Pa]
BM-2-315-110T	B	total	64.2%		74.7		1010	1732	1358
BM-2-355-220T	B	total	67.2%		75.2		1730	2479	1725
BM-2-400-400T	B	total	69.3%		74.6		3130	3714	2140
BM-2-450-750T	B	total	70.6%		73.3		5540	5216	2727
BM-2-500-1100T	B	total	71.8%		72.2		9100	7056	3392
BM-2-560-1850T	B	total	73%		72.6		15840	10190	4194
BM-2-630-3000T	B	total	74%		72.9		28500	14115	5385
BM-4-315-055T	B	total	56.5%		73.2		260	873	337

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]
BM-4-355-055T	B	total	56.7%		73.4		260	1249	428
BM-4-400-110T	B	total	65.5%		80.1		420	1829	537
BM-4-450-220T	B	total	67.8%		79.9		720	2615	678
BM-4-500-220T	B	total	68.1%		77.8		1200	3457	852
BM-4-560-220T	B	total	68.3%		75.3		2140	5063	1047
BM-4-630-400T	B	total	70%		74.6		3600	7111	1335
BM-4-710-750T	B	total	71.8%		73.6		6700	10179	1695
BM-4-800-1500T	B	total	73.5%		73.4		11800	14427	2163
BM-4-900-2200T	B	total	74.1%		73.3		21300	20828	2718
BM-6-710-220T	B	total	67.2%		74.3		2100	6794	747
BM-6-800-400T	B	total	70.9%		75.6		3600	9541	957
BM-6-900-750T	B	total	71.7%		73.7		6470	13902	1197
BM-6-1000-1500T	B	total	72.9%		72.9		10900	19244	1471
BM-6-1120-2200T	B	total	73.9%		73.3		18900	26915	1850
BM-6-1250-3700T	B	total	75%		73.8		32400	37587	2299

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