



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

Extremely high-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 [m ³ /h]	P statiskt [Pa]	Vikt [kg]	Temp. min. [°C]	Temp. max. [°C]
BE-2-315-110T	400	2890	1100	2.5	2420	1890	40	-20	40
BE-2-355-220T	400	2910	2200	4.3	3460	2400	65	-20	40
BE-2-400-400T	400	2925	4000	7.4	4950	3050	85	-20	40
BE-2-450-750T	400	2940	7500	13.3	7000	3860	140	-20	40
BE-2-500-1100T	400	2925	11000	19.6	9550	4680	195	-20	40
BE-2-560-1850T	400	2940	18500	32.1	13500	5980	260	-20	40
BE-2-630-3700T	400	2955	37000	63	19300	7570	530	-20	40
BE-2-710-7500T	400	2980	75000	126	27700	9600	790	-20	40
BE-2-800-13200T	400	2980	132000	217	39600	12200	1350	-20	40
BE-4-315-055T	400	1380	550	1.6	1200	470	40	-20	40
BE-4-355-055T	400	1380	550	1.6	1720	600	60	-20	40
BE-4-400-110T	400	1450	1100	2.5	2470	760	70	-20	40
BE-4-450-220T	400	1465	2200	4.6	3520	960	110	-20	40
BE-4-500-220T	400	1465	2200	4.6	4780	1160	125	-20	40
BE-4-560-400T	400	1455	4000	8.1	6780	1490	160	-20	40
BE-4-630-550T	400	1465	5500	10.4	9630	1880	300	-20	40
BE-4-710-1100T	400	1460	11000	20.9	13820	2390	350	-20	40
BE-4-800-1500T	400	1575	15000	28.3	19780	3040	390	-20	40
BE-4-900-3000T	400	1475	30000	52	28160	3840	850	-20	40
BE-4-1000-4500T	400	1480	45000	78	38630	4750	1150	-20	40
BE-4-1120-7500T	400	1490	75000	125	36000	5960	2200	-20	40
BE-4-1250-13200T	400	1490	132000	219	75460	7420	2800	-20	40
BE-6-900-1100T	400	970	11000	21.4	18710	1700	700	-20	40
BE-6-1000-1500T	400	980	15000	29.3	25670	2100	1350	-20	40

Modell	Märkspänning [V]	Hastighet [r.p.m.]	P max [W]	I max [A]	Q max [m ³ /h]	P statistiskt [Pa]	Vikt [kg]	Temp. min. [°C]	Temp. max. [°C]
BE-6-1120-3000T	400	990	30000	56	36000	2600	1950	-20	40
BE-6-1250-4500T	400	990	45000	86	50100	3200	2500	-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
BE 315	236	248	230	285	133	335	375	400	400	150	180	438	105	6xØ11,5	242	216
BE 355	262	277	255	318	143	345	425	400	400	180	180	458	115	6xØ14	262	236
BE 400	295	309	285	356	153	398	465	440	400	180	220	523	126	6xØ14	286	260
BE 450	328	352	319	404	164	412	512	440	460	180	220	550	137	6xØ14	312	286
BE 500	367	395	348	454	178	518	566	600	500	250	300	667	156	6xØ17	362	326
BE 560	413	442	392	508	192	667	645	700	550	250	420	828	175	6xØ17	397	361
BE 630	466	496	441	570	207	787	725	910	650	250	500	958	200	6xØ17	437	401
BE 710	525	550	490	633	224	910	775	1010	750	250	600	1104	240	6xØ17	482	446
BE 800	590	616	548	708	244	810	895	840	670	250	450	1014	248	6xØ17	532	496
BE 900	656	696	618	800	267	861	980	1000	745	300	520	1116	251	6xØ17	582	546
BE 1000	735	782	694	899	292	991	1130	1200	850	300	600	1266	286	6xØ22	642	606
BE 1120	827	879	781	1011	318	1126	1250	1350	950	300	700	1436	311	6xØ22	752	702
BE 1250	932	988	879	1137	348	1316	1390	1470	1050	300	800	1641	366	6xØ22	832	782

Model	a2	e1	no x z1	b	b1	b2	e	no x z	no x ØW	d1	d2	d3	no x Ød
BE 315	180	108	-	202	176	140	88	-	8xØ10	182	252	219	8xØ11,5
BE 355	200	118	-	222	196	160	98	-	8xØ10	203	273	241	8xØ11,5
BE 400	224	130	-	242	216	180	108	-	8xØ10	227	297	265	8xØ11,5
BE 450	250	143	-	262	236	200	118	-	8xØ10	253	323	292	8xØ11,5
BE 500	280	163	-	286	260	224	130	-	8xØ10	283	363	332	8xØ11,5
BE 560	315	118	1x125	312	286	250	143	-	10xØ12	318	398	366	8xØ11,5
BE 630	355	138	1x125	362	326	282	163	-	10xØ12	358	438	405	8xØ11,5
BE 710	400	160,5	1x125	397	361	317	118	1x125	12xØ12	404	484	448	12xØ11,5
BE 800	450	60,5	3x125	437	401	357	138	1x125	18xØ12	454	534	497	12xØ11,5
BE 900	500	85,5	3x125	482	446	402	160,5	1x125	18xØ12	504	584	551	12xØ11,5
BE 1000	560	115,5	3x125	532	496	452	60,5	3x125	20xØ12	564	664	629	16xØ14
BE 1120	630	163,5	3x125	582	546	502	85,5	3x125	20xØ12	634	734	698	16xØ14
BE 1250	710	78,5	5x125	642	606	562	115,5	3x125	24xØ12	714	814	775	16xØ14

* - 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 (η _{max}) [W]	Q (η _{max}) [m ³ /h]	Ps (η _{max}) [Pa]
BE-2-315-110T	B	total	69.9%		81.6	770	1176	1778	
BE-2-355-220T	B	total	71%		79.7	1490	1766	2237	
BE-2-400-400T	B	total	72%		78.2	2580	2434	2862	

Modell	Mätkategori	Effektivitetskategori	Energieffektivitet	Energieffektivitetskrav 2015	Koefficient N	min. krav koefficient N 2015	P (ηmax) [W]	Q (ηmax) [m ³ /h]	Ps (ηmax) [Pa]
BE-2-450-750T	B	total	73.6%		77		4740	3541	3374
BE-2-500-1100T	B	total	75.1%		76.3		7640	4883	4447
BE-2-560-1850T	B	total	76%		75.7		13700	6823	5585
BE-2-630-3700T	B	total	77%		76.2		25000	8731	7204
BE-2-710-7500T	B	total	78.1%		76.6		42620	13239	9062
BE-2-800-13200T	B	total	79.2%		77.1		74600	19044	11494
BE-4-315-055T	B	total	56.6%		76.5		128	603	441
BE-4-355-055T	B	total	56.7%		73.9		230	863	560
BE-4-400-110T	B	total	68.3%		83.8		330	1202	715
BE-4-450-220T	B	total	77.7%		90.5		600	1720	903
BE-4-500-220T	B	total	70.9%		81.3		1030	2282	1122
BE-4-560-400T	B	total	72.9%		80.7		1790	3279	1402
BE-4-630-550T	B	total	73.7%		78.8		7500	4875	1759
BE-4-710-1100T	B	total	75.6%		78.3		5530	6608	2258
BE-4-800-1500T	B	total	76.4%		76.5		9870	9718	2852
BE-4-900-3000T	B	total	78.1%		77.6		17520	13912	3606
BE-4-1000-4500T	B	total	78.6%		77.4		31230	19498	4433
BE-4-1120-7500T	B	total	78.9%		77.1		54500	27393	5560
BE-4-1250-13200T	B	total	79.9%		77.5		91000	37678	6941
BE-6-900-1100T	B	total	75.3%		78.2		5300	9093	1597
BE-6-1000-1500T	B	total	75.7%		76		9430	11649	1995
BE-6-1120-3000T	B	total	77.2%		84.6		16340	18008	2460
BE-6-1250-4500T	B	total	78.1%		77.1		27100	24900	3067

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