



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

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 statistiskt [Pa]	Vikt [kg]	Temp. min. [°C]	Temp. max. [°C]
BH-2-315-110T	400	2985	1100	2.5	3650	1630	40	-20	40
BH-2-355-220T	400	2985	2200	4.3	5170	2075	62	-20	40
BH-2-400-400T	400	2985	4000	7.4	7430	2630	93	-20	40
BH-2-450-750T	400	2985	7500	13.3	10560	3330	140	-20	40
BH-2-500-1100T	400	2985	11000	19.6	14520	4100	215	-20	40
BH-2-560-1850T	400	2985	18500	32.1	20500	5150	280	-20	40
BH-2-630-3700T	400	2985	37000	63	29200	6520	475	-20	40
BH-2-710-7500T	400	2985	75000	126	41650	8280	890	-20	40
BH-4-315-055T	400	1490	550	1.6	1820	410	35	-20	40
BH-4-355-055T	400	1490	550	1.6	2580	515	50	-20	40
BH-4-400-110T	400	1490	1100	2.5	3710	650	75	-20	40
BH-4-450-220T	400	1490	2200	4.6	5270	830	100	-20	40
BH-4-500-220T	400	1490	2200	4.6	7240	1020	144	-20	40
BH-4-560-300T	400	1490	3000	8.1	10230	1280	173	-20	40
BH-4-630-400T	400	1490	4000	10.4	14580	1620	223	-20	40
BH-4-710-750T	400	1490	7500	20.9	20790	2060	300	-20	40
BH-4-800-1500T	400	1490	15000	28.3	29620	2620	497	-20	40
BH-4-900-3000T	400	1490	30000	52	42200	3310	733	-20	40
BH-4-1000-4500T	400	1490	45000	78	58150	4090	913	-20	40
BH-4-1120-7500T	400	1490	75000	125	81850	5130	1334	-20	40
BH-4-1250-13200T	400	1490	132000	219	114250	6390	1785	-20	40
BH-6-800-550T	400	990	5500	11.1	19690	1160	410	-20	40
BH-6-900-750T	400	990	7500	14.8	28030	1470	468	-20	40
BH-6-1000-1500T	400	990	15000	29.3	38650	1810	700	-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]
BH-6-1120-3000T	400	990	30000	56	54400	2270	1015	-20	40
BH-6-1250-4500T	400	990	45000	86	75950	2825	1390	-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
BH 315	211	248	230	285	153	335	375	400	400	150	180	438	125	6xØ11,5	286	260
BH 355	236	277	255	318	163	345	425	400	400	180	180	458	135	6xØ14	312	286
BH 400	264	309	285	356	175	398	465	440	400	180	220	523	148	6xØ14	362	326
BH 450	296	352	319	404	189	412	512	440	460	180	220	550	162	6xØ14	397	361
BH 500	333	395	348	454	205	518	566	600	500	250	300	667	183	6xØ17	437	401
BH 560	375	442	392	508	224	667	645	700	550	250	420	828	207	6xØ17	482	446
BH 630	422	496	441	570	244	787	725	910	650	250	500	958	237	6xØ17	532	496
BH 710	469	550	490	633	266	910	775	1010	750	250	600	1104	260	6xØ17	582	546
BH 800	525	616	548	708	291	810	895	840	670	250	450	1014	295	6xØ17	642	606
BH 900	591	696	618	800	317	861	980	1000	745	300	520	1116	301	6xØ17	752	702
BH 1000	666	782	694	899	347	991	1130	1200	850	300	600	1266	341	6xØ22	832	782
BH 1120	750	879	781	1011	383	1126	1250	1350	950	300	700	1436	376	6xØ22	922	872
BH 1250	844	988	879	1137	423	1316	1390	1470	1050	300	800	1641	441	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
BH 315	224	130	-	242	216	180	108	-	8xØ10	227	297	265	8xØ11,5
BH 355	250	143	-	262	236	200	118	-	8xØ10	253	323	292	8xØ11,5
BH 400	280	163	-	286	260	224	130	-	8xØ10	283	363	332	8xØ11,5
BH 450	315	118	1x125	312	286	250	143	-	10xØ12	318	398	366	8xØ11,5
BH 500	355	138	1x125	362	326	280	163	-	10xØ12	358	438	405	8xØ11,5
BH 560	400	160,5	1x125	397	361	315	118	1x125	12xØ12	404	484	448	12xØ11,5
BH 630	450	60,5	3x125	437	401	355	138	1x125	18xØ12	454	534	497	12xØ11,5
BH 710	500	85,5	3x125	482	446	400	160,5	1x125	18xØ12	504	584	551	12xØ11,5
BH 800	560	115,5	3x125	532	496	450	60,5	3x125	20xØ12	564	664	629	16xØ14
BH 900	630	163,5	3x125	582	546	500	85,5	3x125	20xØ12	634	734	698	16xØ14
BH 1000	710	78,5	5x125	642	606	560	115,5	3x125	24xØ12	714	814	775	16xØ14
BH 1120	800	123,5	5x125	752	702	630	163,5	3x125	24xØ12	804	904	861	24xØ14
BH 1250	900	173,5	5x125	832	782	710	78,5	5x125	28xØ12	904	1004	958	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 (η _{max}) [W]	Q (η _{max}) [m ³ /h]	Ps (η _{max}) [Pa]
BH-2-315-110T	B	total	65.1%		75.5		1000	1719	1421
BH-2-355-220T	B	total	68.1%		76		1800	2477	1800
BH-2-400-400T	B	total	70.2%		77.5		3200	3515	2293

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]
BH-2-450-750T	B	total	71.5%		74.2		5600	5087	2883
BH-2-500-1100T	B	total	72.6%		72.9		9400	7095	3536
BH-2-560-1850T	B	total	74%		73.5		16200	9337	4547
BH-2-630-3700T	B	total	74.9%		73.8		29500	5647	5292
BH-2-710-7500T	B	total	76%		74.3		51700	19696	7219
BH-4-315-055T	B	total	54.9%		74.4		140	853	355
BH-4-355-055T	B	total	55.1%		71.6		270	1177	457
BH-4-400-110T	B	total	66.3%		80.8		420	1669	581
BH-4-450-220T	B	total	68.7%		80.6		730	2585	713
BH-4-500-220T	B	total	68.9%		78.5		1220	3437	891
BH-4-560-300T	B	total	69.9%		76.9		2140	4690	1130
BH-4-630-400T	B	total	71.1%		75.5		3830	7063	1400
BH-4-710-750T	B	total	72.7%		74.5		6700	9891	1794
BH-4-800-1500T	B	total	74.4%		74.4		10310	13708	2305
BH-4-900-3000T	B	total	76.1%		75.5		18620	19705	2906
BH-4-1000-4500T	B	total	76.7%		75.4		35100	26992	3591
BH-4-1120-7500T	B	total	77%		75.1		62800	38230	4490
BH-4-1250-13200T	B	total	77.9%		75.4		107600	51374	5662
BH-6-800-550T	B	total	71.6%		76.1		3700	9620	997
BH-6-900-750T	B	total	72.5%		80.9		6400	13093	1283
BH-6-1000-1500T	B	total	73.9%		73.9		10700	17934	1585
BH-6-1120-3000T	B	total	75.3%		74.7		18500	24618	2005
BH-6-1250-4500T	B	total	76.3%		75.1		32400	35665	2459

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