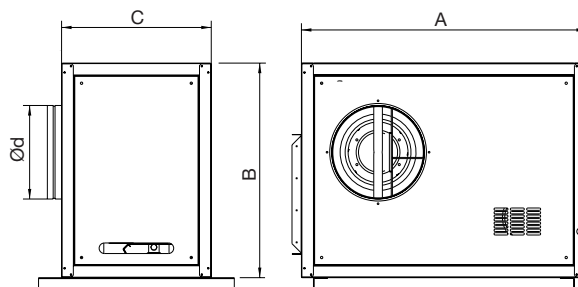


# Box Fan

# BDS FIRE



## Dimensions



## Description

Belt driven box fan with backward curved impeller. BSTB range fans assembled in soundproof cabinets with insulated panels. Fan assembled on antivibration mountings. Simple inlet backward curved impeller. Supplied with motor, pulleys and belts. Interchangeable panels to allow different fan positions. Gland connection included. Standard squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.

Designed for inline installation, indoor or outdoor assembly, they are suitable for:  
 Smoke emergency exhaust with motor outside the hazardous area.  
 Industrial and professional kitchen hoods.

Maximum working temperature: carried air: 130°C, ambient: 60°C.

UNDER REQUEST:  
 2 speed motors.

Orentation:  
 LG90 (horizontal).  
 LG0 (vertical outlet).  
 Sandwich insulation.  
 60Hz fans and special voltages.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2002, EN 12101-3:2002/AC:2005

## Ordering example

	<b>BDS FIRE</b>	<b>355</b>	<b>F400</b>	<b>0,75 kW</b>
Product				
Size				
Rating				
Motor				

Product	A mm	B mm	C mm	m kg
BDS FIRE 355 0,37kW F400	1068,0	824,0	612,0	122,0
BDS FIRE 355 0,55kW F400	1068,0	824,0	612,0	125,0
BDS FIRE 355 0,75kW F400	1068,0	824,0	612,0	126,0
BDS FIRE 355 1,1kW F400	1068,0	824,0	612,0	128,0
BDS FIRE 355 1,5kW F400	1068,0	824,0	612,0	131,0
BDS FIRE 355 2,2kW F400	1068,0	824,0	612,0	137,0
BDS FIRE 355 3kW F400	1068,0	824,0	612,0	141,0
BDS FIRE 400 0,55kW F400	1223,0	913,0	642,0	161,0
BDS FIRE 400 0,75kW F400	1223,0	913,0	642,0	162,0
BDS FIRE 400 1,1kW F400	1223,0	913,0	642,0	164,0
BDS FIRE 400 1,5kW F400	1223,0	913,0	642,0	167,0
BDS FIRE 400 2,2kW F400	1223,0	913,0	642,0	173,0
BDS FIRE 400 3kW F400	1223,0	913,0	642,0	177,0
BDS FIRE 400 4kW F400	1223,0	913,0	642,0	183,0
BDS FIRE 450 0,75kW F400	1323,0	1003,0	692,0	190,0
BDS FIRE 450 1,1kW F400	1323,0	1003,0	692,0	192,0
BDS FIRE 450 1,5kW F400	1323,0	1003,0	692,0	195,0
BDS FIRE 450 2,2kW F400	1323,0	1003,0	692,0	201,0

# Box Fan

# BDS FIRE

Product	A mm	B mm	C mm	m kg
BDS FIRE 450 3kW F400	1323,0	1003,0	692,0	205,0
BDS FIRE 450 4kW F400	1323,0	1003,0	692,0	211,0
BDS FIRE 450 5,5kW F400	1323,0	1003,0	692,0	220,0
BDS FIRE 450 7,5kW F400	1323,0	1003,0	692,0	230,0
BDS FIRE 500 1,1kW F400	1423,0	1100,0	732,0	219,0
BDS FIRE 500 1,5kW F400	1423,0	1100,0	732,0	222,0
BDS FIRE 500 2,2kW F400	1423,0	1100,0	732,0	228,0
BDS FIRE 500 3kW F400	1423,0	1100,0	732,0	232,0
BDS FIRE 500 4kW F400	1423,0	1100,0	732,0	238,0
BDS FIRE 500 5,5kW F400	1423,0	1100,0	732,0	247,0
BDS FIRE 500 7,5kW F400	1423,0	1100,0	732,0	257,0
BDS FIRE 560 1,5kW F400	1691,5	1216,0	801,3	250,0
BDS FIRE 560 2,2kW F400	1691,5	1216,0	801,3	256,0
BDS FIRE 560 3kW F400	1691,5	1216,0	801,3	260,0
BDS FIRE 560 4kW F400	1691,5	1216,0	801,3	266,0
BDS FIRE 560 5,5kW F400	1691,5	1216,0	801,3	275,0
BDS FIRE 560 7,5kW F400	1691,5	1216,0	801,3	285,0
BDS FIRE 560 11kW F400	1691,5	1216,0	801,3	299,0
BDS FIRE 630 2,2kW F400	1821,5	1343,0	851,0	296,0
BDS FIRE 630 3kW F400	1821,5	1343,0	851,0	300,0
BDS FIRE 630 4kW F400	1821,5	1343,0	851,0	306,0
BDS FIRE 630 5,5kW F400	1821,5	1343,0	851,0	315,0
BDS FIRE 630 7,5kW F400	1821,5	1343,0	851,0	325,0
BDS FIRE 630 11kW F400	1821,5	1343,0	851,0	339,0
BDS FIRE 630 15kW F400	1821,5	1343,0	851,0	417,0
BDS FIRE 710 3kW F400	1988,0	1488,0	912,0	330,0
BDS FIRE 710 4kW F400	1988,0	1488,0	912,0	336,0

Product	A mm	B mm	C mm	m kg
BDS FIRE 710 5,5kW F400	1988,0	1488,0	912,0	345,0
BDS FIRE 710 7,5kW F400	1988,0	1488,0	912,0	355,0
BDS FIRE 710 11kW F400	1988,0	1488,0	912,0	369,0
BDS FIRE 710 15kW F400	1988,0	1488,0	912,0	447,0
BDS FIRE 710 18,5kW F400	1988,0	1488,0	912,0	479,0

All fans are 400 volt.

# Box Fan

# BDS FIRE

## Technical data

Graph Ref.	Product	Motor	Amps	Speed
		W	FLC	RPM
1	BDS FIRE 355 0,37kW F400	0,370	1,070	1400,0
2	BDS FIRE 355 0,55kW F400	0,550	1,490	1700,0
3	BDS FIRE 355 0,75kW F400	0,750	2,000	1900,0
4	BDS FIRE 355 1,1kW F400	1,100	2,750	2100,0
5	BDS FIRE 355 1,5kW F400	1,500	3,650	2400,0
6	BDS FIRE 355 2,2kW F400	2,200	5,000	2600,0
7	BDS FIRE 355 3kW F400	3,000	6,800	2900,0
8	BDS FIRE 400 0,55kW F400	0,550	1,490	1300,0
9	BDS FIRE 400 0,75kW F400	0,750	2,000	1500,0
10	BDS FIRE 400 1,1kW F400	1,100	2,750	1700,0
11	BDS FIRE 400 1,5kW F400	1,500	3,650	1900,0
12	BDS FIRE 400 2,2kW F400	2,200	5,000	2200,0
13	BDS FIRE 400 3kW F400	3,000	6,800	2400,0
14	BDS FIRE 400 4kW F400	4,000	8,800	2600,0
15	BDS FIRE 450 0,75kW F400	0,750	2,000	1200,0
16	BDS FIRE 450 1,1kW F400	1,100	2,750	1400,0
17	BDS FIRE 450 1,5kW F400	1,500	3,650	1600,0
18	BDS FIRE 450 2,2kW F400	2,200	5,000	1800,0
19	BDS FIRE 450 3kW F400	3,000	6,800	2000,0
20	BDS FIRE 450 4kW F400	4,000	8,800	2200,0
21	BDS FIRE 450 5,5kW F400	5,500	6,900	2400,0
22	BDS FIRE 450 7,5kW F400	7,500	8,600	2700,0
23	BDS FIRE 500 1,1kW F400	1,100	2,750	1200,0
24	BDS FIRE 500 1,5kW F400	1,500	3,650	1300,0
25	BDS FIRE 500 2,2kW F400	2,200	5,000	1500,0
26	BDS FIRE 500 3kW F400	3,000	6,800	1700,0
27	BDS FIRE 500 4kW F400	4,000	8,800	1900,0
28	BDS FIRE 500 5,5kW F400	5,500	6,900	2100,0
29	BDS FIRE 500 7,5kW F400	7,500	8,600	2300,0
30	BDS FIRE 560 1,5kW F400	1,500	3,650	1200,0
31	BDS FIRE 560 11kW F400	11,000	12,020	2200,0
32	BDS FIRE 560 2,2kW F400	2,200	5,000	1300,0
33	BDS FIRE 560 3kW F400	3,000	6,800	1500,0
34	BDS FIRE 560 4kW F400	4,000	8,800	1600,0
35	BDS FIRE 560 5,5kW F400	5,500	6,900	1800,0
36	BDS FIRE 560 7,5kW F400	7,500	8,600	2000,0
37	BDS FIRE 630 11kW F400	11,000	12,020	1800,0
38	BDS FIRE 630 15kW F400	15,000	16,040	1900,0
39	BDS FIRE 630 2,2kW F400	2,200	5,000	1000,0
40	BDS FIRE 630 3kW F400	3,000	6,800	1100,0
41	BDS FIRE 630 4kW F400	4,000	8,800	1300,0
42	BDS FIRE 630 5,5kW F400	5,500	6,900	1400,0
43	BDS FIRE 630 7,5kW F400	7,500	8,600	1600,0
44	BDS FIRE 710 11kW F400	11,000	12,020	1500,0
45	BDS FIRE 710 15kW F400	15,000	16,040	1600,0
46	BDS FIRE 710 18,5kW F400	18,500	18,980	1800,0
47	BDS FIRE 710 3kW F400	3,000	6,800	1100,0
48	BDS FIRE 710 4kW F400	4,000	8,800	1300,0
49	BDS FIRE 710 5,5kW F400	5,500	6,900	1400,0
50	BDS FIRE 710 7,5kW F400	7,500	8,600	1300
51	BDS FIRE 355 0,37kW F400	0,370	1,070	1400,0
52	BDS FIRE 355 0,55kW F400	0,550	1,490	1700,0
53	BDS FIRE 355 0,75kW F400	0,750	2,000	1900,0

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# Box Fan

# BDS FIRE

Graph Ref.	Product	Sound Power Level (Breakout)								Power dB(A) @ 3m	dB(A)
		63	125	250	500	1K	2K	4K	8K		
1	BDS FIRE 355 0,37kW F400	40	51	62	63	63	62	53	42	69	55
2	BDS FIRE 355 0,55kW F400	45	56	67	68	68	67	58	47	73	59
3	BDS FIRE 355 0,75kW F400	47	58	69	70	70	69	60	49	76	62
4	BDS FIRE 355 1,1kW F400	49	60	71	72	72	71	62	51	78	64
5	BDS FIRE 355 1,5kW F400	53	64	75	76	76	75	66	54	81	67
6	BDS FIRE 355 2,2kW F400	55	66	77	78	78	77	68	57	84	69
7	BDS FIRE 355 3kW F400	59	70	81	81	82	81	72	61	87	73
8	BDS FIRE 400 0,55kW F400	47	55	66	67	70	67	58	46	74	60
9	BDS FIRE 400 0,75kW F400	51	59	70	71	74	71	62	50	78	63
10	BDS FIRE 400 1,1kW F400	53	61	72	73	74	73	64	52	80	65
11	BDS FIRE 400 1,5kW F400	56	64	75	76	78	76	67	55	83	68
12	BDS FIRE 400 2,2kW F400	59	67	78	79	82	79	70	58	86	72
13	BDS FIRE 400 3kW F400	61	69	80	81	84	81	72	60	88	74
14	BDS FIRE 400 4kW F400	64	72	83	84	87	84	75	63	91	77
15	BDS FIRE 450 0,75kW F400	49	61	71	72	73	70	61	48	77	63
16	BDS FIRE 450 1,1kW F400	52	64	74	75	76	73	64	51	81	67
17	BDS FIRE 450 1,5kW F400	55	67	77	78	79	76	67	54	84	70
18	BDS FIRE 450 2,2kW F400	58	70	80	81	82	79	70	57	87	72
19	BDS FIRE 450 3kW F400	60	72	82	83	84	81	72	59	89	75
20	BDS FIRE 450 4kW F400	62	74	84	85	86	83	74	61	91	77
21	BDS FIRE 450 5,5kW F400	64	76	86	87	88	85	76	63	93	79
22	BDS FIRE 450 7,5kW F400	68	80	90	91	92	89	80	67	97	82
23	BDS FIRE 500 1,1kW F400	46	62	69	71	74	70	63	49	78	63
24	BDS FIRE 500 1,5kW F400	49	65	72	74	77	73	66	52	81	67
25	BDS FIRE 500 2,2kW F400	52	68	75	77	80	76	69	55	84	70
26	BDS FIRE 500 3kW F400	55	71	78	80	83	79	72	58	87	73
27	BDS FIRE 500 4kW F400	58	74	81	83	86	82	75	61	89	75
28	BDS FIRE 500 5,5kW F400	60	76	83	85	88	84	77	63	92	77
29	BDS FIRE 500 7,5kW F400	62	78	85	87	90	86	79	65	94	79
30	BDS FIRE 560 1,5kW F400	50	68	74	76	80	75	68	55	83	69
31	BDS FIRE 560 11kW F400	64	82	88	90	94	89	82	69	97	82
32	BDS FIRE 560 2,2kW F400	52	70	76	78	82	77	70	57	85	71
33	BDS FIRE 560 3kW F400	55	73	79	81	85	80	73	60	88	75
34	BDS FIRE 560 4kW F400	56	74	80	82	86	81	74	61	90	75
35	BDS FIRE 560 5,5kW F400	59	77	83	85	89	84	77	64	92	78
36	BDS FIRE 560 7,5kW F400	61	79	85	87	91	86	79	66	95	81
37	BDS FIRE 630 11kW F400	61	78	85	87	91	87	79	67	95	81
38	BDS FIRE 630 15kW F400	63	80	87	89	93	89	81	69	96	82
39	BDS FIRE 630 2,2kW F400	48	65	72	74	78	74	66	54	81	67
40	BDS FIRE 630 3kW F400	50	67	74	76	80	76	68	56	84	69
41	BDS FIRE 630 4kW F400	54	71	78	80	84	80	72	60	87	73
42	BDS FIRE 630 5,5kW F400	56	73	80	82	86	82	74	62	89	75
43	BDS FIRE 630 7,5kW F400	59	76	83	85	89	85	77	65	92	78
44	BDS FIRE 710 11kW F400	59	76	83	86	89	84	77	62	93	78
45	BDS FIRE 710 15kW F400	61	78	85	88	91	86	79	64	94	80
46	BDS FIRE 710 18,5kW F400	63	80	87	90	93	88	81	66	97	83
47	BDS FIRE 710 3kW F400	48	65	72	75	78	73	66	51	81	66
48	BDS FIRE 710 4kW F400	50	67	74	77	80	75	68	53	83	69
49	BDS FIRE 710 5,5kW F400	52	69	76	79	82	77	70	55	86	71
50	BDS FIRE 710 7,5kW F400	56	73	80	83	86	81	74	59	89	76
51	BDS FIRE 355 0,37kW F400	40	51	62	63	63	62	53	42	69	55
52	BDS FIRE 355 0,55kW F400	45	56	67	68	68	67	58	47	73	59
53	BDS FIRE 355 0,75kW F400	47	58	69	70	70	69	60	49	76	62