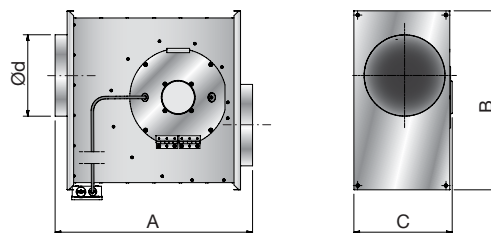


Circular Box Fan

LBF



Dimensions



Description

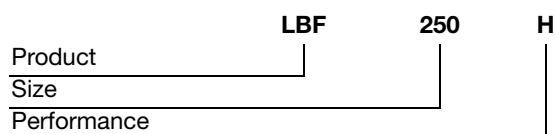
LBF is a range of straight flow in-line centrifugal duct fans designed for circular ducts. They are compact, high capacity fans which operate quietly and can be fitted in any position.

LBF fans have forward curved impellers and are designed to cope with high pressure and long duct.

The fans have a rigid housing made from galvanised steel. They are moisture proof and approved for use in outdoor environments. The motors are maintenance free and protected from overheating by thermo contacts. The impellers only require occasional cleaning. This cleaning is made easy with the LBF's swing out design. All fans are supplied fully wired and ready to fit in a sealed installation unit with an IP44 protection class.

Product	Ød ₁ nom	A mm	B mm	C mm	m kg
LBF200*	200	577	448	245	10,1
LBF200H	200	577	448	245	12,9
LBF250H	250	607	548	303	20,1
LBF315*	315	643	548	353	23,5
LBF315H	315	723	648	593	37,6
LBF355H	355	808	648	413	44,9
LBF400	400	878	748	562	53,1
LBF400H	400	878	748	469	62,8
LBF500	500	1012	848	566	72,3
LBF500H	500	1112	1048	555	99,7

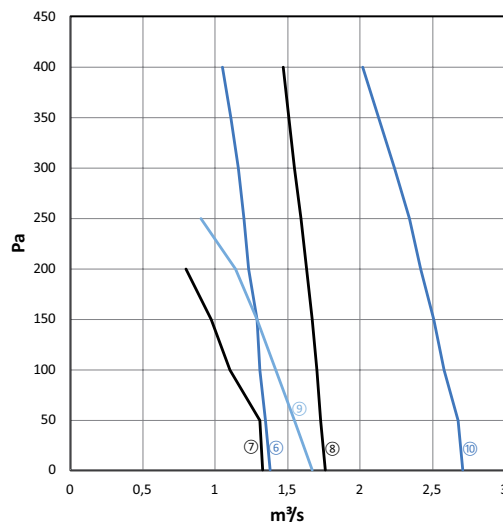
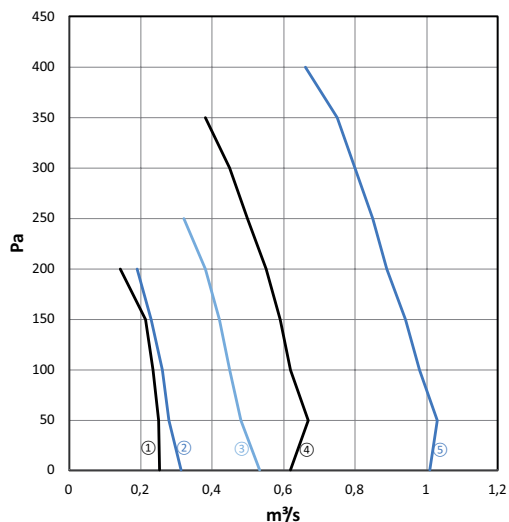
Ordering example



Circular Box Fan

LBF

Technical data



Graph Ref.	Product	m ³ /s @ Pa									Motor W	Amps FLC	Speed RPM
		0	50	100	150	200	250	300	350	400			
1	LBF200	0,252	0,249	0,234	0,214	0,144					215	0,95	810
2	LBF200H	0,312	0,28	0,26	0,23	0,19					247	0,47	1260
3	LBF250H	0,534	0,48	0,45	0,42	0,38	0,32				545	0,93	1270
4	LBF315	0,618	0,67	0,62	0,59	0,55	0,5	0,45	0,38		720	1,5	1260
5	LBF315H	1,008	1,03	0,98	0,94	0,89	0,85	0,8	0,75	0,66	1670	3,1	1300
6	LBF355H	1,38	1,35	1,31	1,29	1,23	1,2	1,16	1,11	1,05	2060	3,9	1350
7	LBF400	1,33	1,31	1,1	0,97	0,8					1020	2,3	680
8	LBF400H	1,76	1,73	1,7	1,67	1,63	1,59	1,55	1,51	1,47	4000	6,8	1370
9	LBF500	1,67	1,55	1,42	1,29	1,14	0,9				1290	2,9	640
10	LBF500H	2,71	2,68	2,58	2,51	2,42	2,34	2,24	2,13	2,02	4150	7,4	890

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Circular Box Fan

LBF

Technical data

Graph Ref.	Product	Frequency	Sound Power Level								dB(A) @ 3m
			63	125	250	500	1K	2K	4K	8K	
1	LBF200	Inlet	58	64	64	61	55	56	54	47	50
		Outlet	61	63	65	65	64	63	62	55	
		Breakout	35	46	52	50	52	44	40	31	
2	LBF200H	Inlet	58	65	65	62	58	58	59	54	52
		Outlet	67	68	70	68	68	70	68	64	
		Breakout	36	49	52	52	53	48	44	35	
3	LBF250H	Inlet	60	64	66	62	63	65	64	58	56
		Outlet	59	63	66	69	73	72	71	65	
		Breakout	39	47	56	56	57	55	51	44	
4	LBF315	Inlet	64	70	73	61	65	68	66	61	54
		Outlet	65	67	72	69	74	72	72	66	
		Breakout	35	47	54	52	55	52	51	44	
5	LBF315H	Inlet	67	70	72	67	73	74	72	67	59
		Outlet	66	69	73	75	79	78	78	73	
		Breakout	40	56	58	57	60	57	55	51	
6	LBF355H	Inlet	70	73	70	68	74	73	72	68	61
		Outlet	69	73	74	78	82	81	80	75	
		Breakout	41	55	60	60	62	61	58	53	
7	LBF400	Inlet	57	58	59	57	62	60	57	48	49
		Outlet	63	64	69	69	69	69	68	61	
		Breakout	38	46	50	50	48	45	41	32	
8	LBF400H	Inlet	74	76	76	72	83	81	79	75	65
		Outlet	75	76	79	78	84	84	83	78	
		Breakout	52	60	64	65	66	64	62	57	
9	LBF500	Inlet	57	62	59	62	66	65	63	54	52
		Outlet	55	62	63	70	71	70	69	60	
		Breakout	38	46	51	55	54	48	43	35	
10	LBF500H	Inlet	64	67	65	74	75	74	73	66	63
		Outlet	64	69	69	78	82	80	78	71	
		Breakout	53	62	61	65	63	61	56	50	