



## BMFX

### ROUND DUCT TYPE FANS / Mixed Flow

#### Device Components and Material Properties

Duct type mixed flow fans, ST extension models are standard and SL extension models are silent versions. Body and fan made of plastic. In SL models, the inner wall has a special perforated design that directs the sound waves towards the sound absorbing material. BMFX 250 and 315 models are also available with electrostatic painted sheet version. Thanks to the body design, it is possible to disassemble and install the fan and motor without being disassembled.

#### Fan Structure

Mixed flow fans consist of a combination of working principles of axial and casing centrifugal fans. These fans draw air in and out more linearly. This makes the system more efficient and reduces motor power.

#### Benefits

They are highly efficient due to the mixed flow propeller. They work pretty quietly. When the fan is connected to the duct, the motor part can be easily removed and installed. They can work in double cycle. SL versions sound much quieter with sound insulation. The suction and discharge nozzles are compatible with the duct diameters and can be connected by clamp.

#### Speed Control

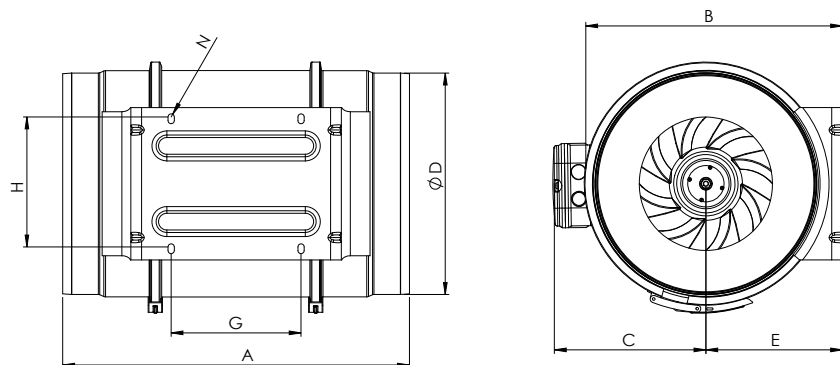
Optional control devices can be provided.

\* Double speed motor \* Speed control with linear voltage regulator (see BSC accessory)

#### Usage Areas

For industrial ventilation purpose

### Technical Drawing and Tables

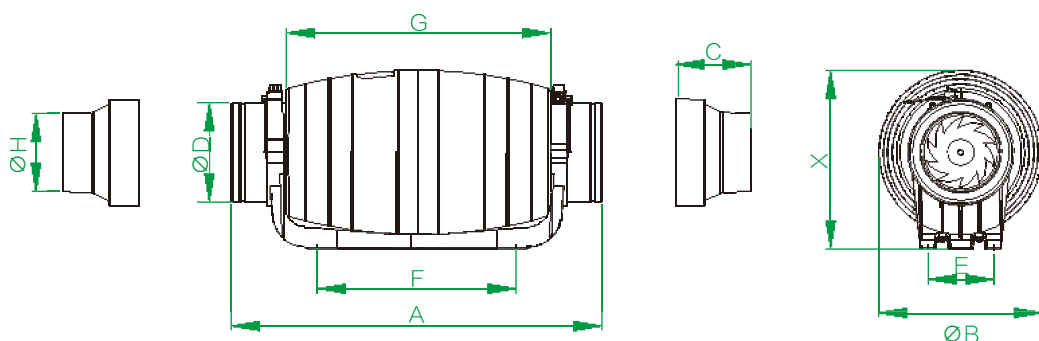


TYPE	A	B	C	D	E	G	H	N
BMFX-100	303	188	115	97	100	80	60	5,5
BMFX-125	258	188	115	123	100	80	60	5,5
BMFX-150	320	212	127	147	112	80	60	5,5
BMFX-200	302	232,5	141	197	124	100	94	5,5
BMFX-250	386	291	192	248	155	145	140	7X4
BMFX-315	450	356	224	312	188	182	178	7X4
BMFX-250-P	383	286	173	247	151	150	173	7X4
BMFX-315-P	446	357	216	312	187	181	216	7X4

Dimensions are in (mm)

TYPE	A	ØB	ØD	E	F	G	X	C	ØH
BMFX-ST100	460	204	23	81	248	333	222	93	98
BMFX-ST125	460	204	23	81	248	333	222		
BMFX-SL150	485	223	148	94	251	355	246		
BMFX-SL200	570	265	198	127	340	440	297		

Dimensions are in (mm)



TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT	SPEED
	V	Hz	W	(A)	(µF)	r.p.m	m <sup>3</sup> /h	dB(A)	Ins.cl.	IP	kg	
BMFX 100/2V	230	50/60	20	0,11	1	2200	198	31	B	44	1,8	H
			18	0,10		1850	165	26				L
BMFX 125/2V	230	50/60	27	0,14	1	2250	284	31	B	44	2	H
			23	0,12		1950	248	26				L
BMFX 150/2V	230	50/60	44	0,22	1,2	2550	530	33	B	44	2,7	H
			35	0,19		1950	410	29				L
BMFX 200/2V	230	50/60	100	0,52	3	2350	840	36	B	44	4,8	H
			90	0,48		2050	690	32				L
BMFX 250/2V	230	50/60	140	0,7	5	2500	1100	40	F	44	9,4	H
			110	0,6		2050	990	37				L
BMFX 315/2V	230	50/60	190	1,1	10	2680	2000	45	F	44	14	H
			145	0,74		2150	1500	40				L
BMFX 250-P/2V	230	50/60	225	1,2	8	2450	1405	38	B	44	7,5	H
			165	0,75		1850	1064	34				L
BMFX 315-P/2V	230	50/60	390	1,9	16	2350	2206	42	B	44	11	H
			275	1,4		1650	1750	38				L
BMFX-ST 100/2V	230	50/60	35	0,26	1	2600	177	25	B	44	3	H
			20	0,15		2100	133	23				L
BMFX-ST 125/2V	230	50/60	35	0,28	1	2600	218	31	B	44	3,5	H
			20	0,17		2100	181	26				L
BMFX-SL 150/2V	230	50/60	50	0,25	1,2	2550	530	33	B	44	4	H
			43	0,2		1850	410	26				L
BMFX-SL 200/2V	230	50/60	128	0,57	3	2450	840	35	B	44	4,8	H
			123	0,52		1950	690	29				L

Sound Level Measured from 3m distance in room condition.

### Accessories



BSC

BYF

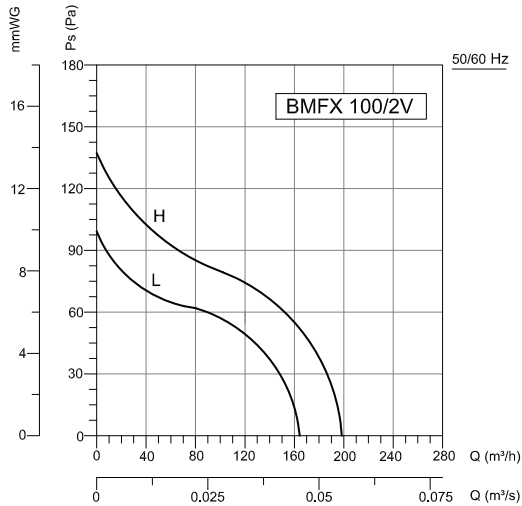
BESB

BYH

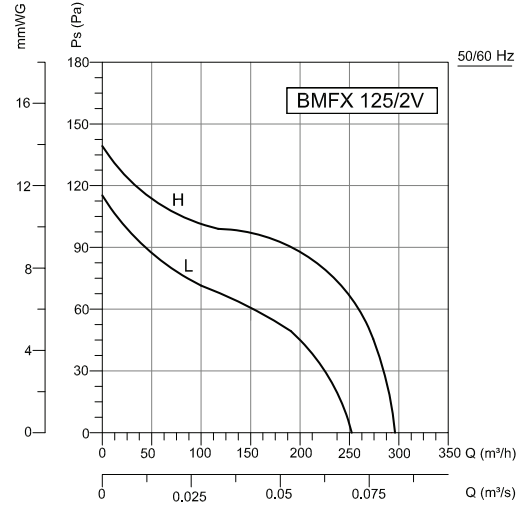
BYKS

BASP

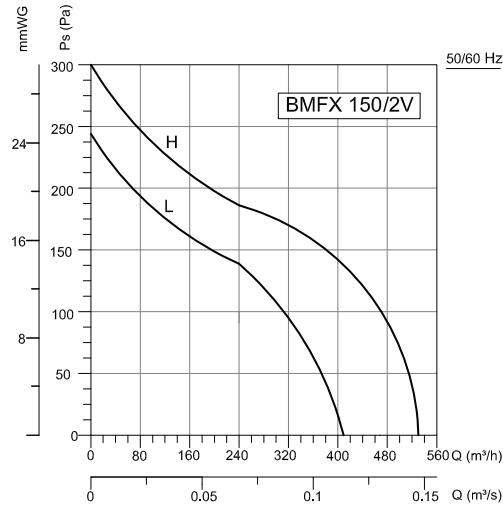




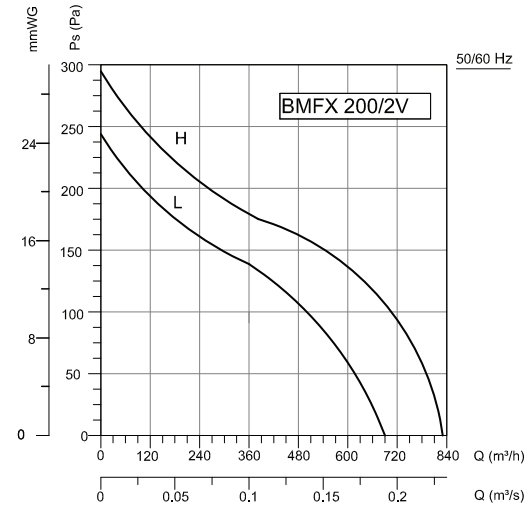
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	58	29	48	46	54	53	48	40	34	dB(A)
$L_{WA}$ Surrounding	52	28	47	46	45	44	44	33	26	dB(A)



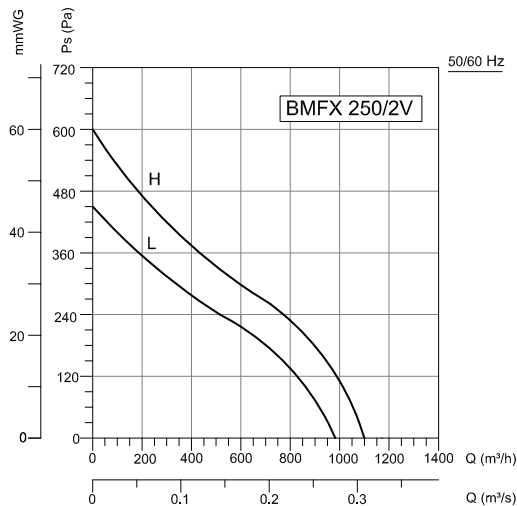
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	56	33	45	44	51	52	48	39	31	dB(A)
$L_{WA}$ Surrounding	51	31	44	44	45	45	43	31	22	dB(A)



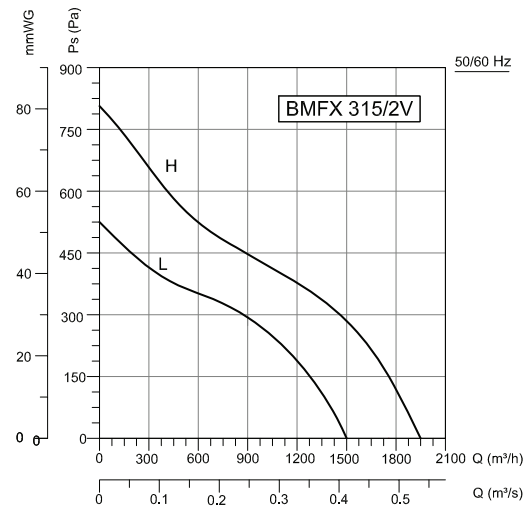
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$L_{WA}$ Inlet	65	33	35	55	56	59	60	56	47	dB(A)
$L_{WA}$ Surrounding	54	25	32	43	39	44	53	42	29	dB(A)



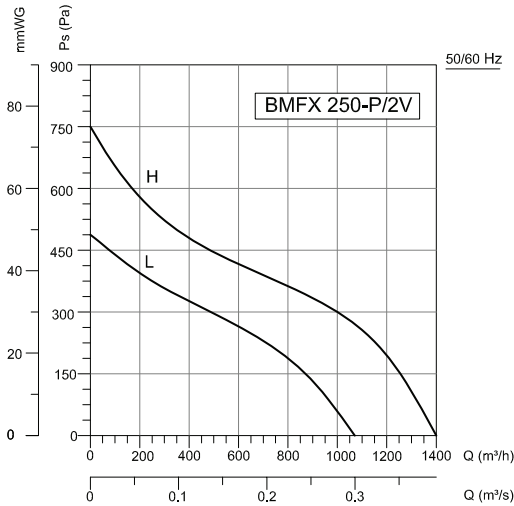
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	69	34	44	58	60	65	64	61	51	dB(A)
$L_{WA}$ Surrounding	57	26	33	44	43	51	54	45	30	dB(A)



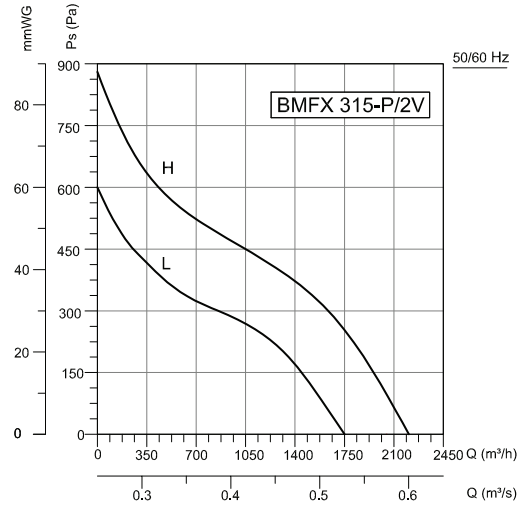
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	75	33	46	58	66	72	69	62	55	dB(A)
$L_{WA}$ Surrounding	61	25	35	45	46	58	57	47	43	dB(A)



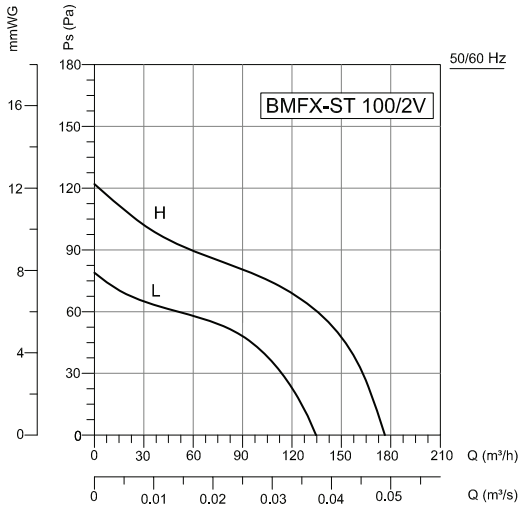
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	75	38	54	63	68	74	41	54	59	dB(A)
$L_{WA}$ Surrounding	65	26	38	49	52	61	60	54	50	dB(A)



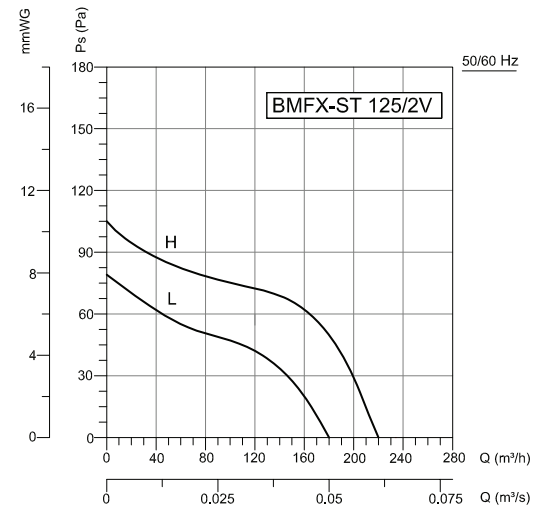
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	93	26	77	49	97	31	93	91	42	dB(A)
$L_{WA}$ Surrounding	57	82	22	72	77	49	44	74	76	dB(A)



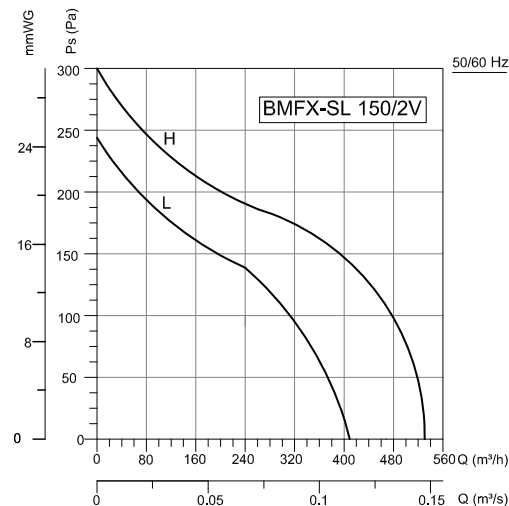
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_w$ A Inlet	94	29	48	96	95	38	20	48	43	dB(A)
$L_{WA}$ Surrounding	63	87	29	73	41	40	45	48	75	dB(A)



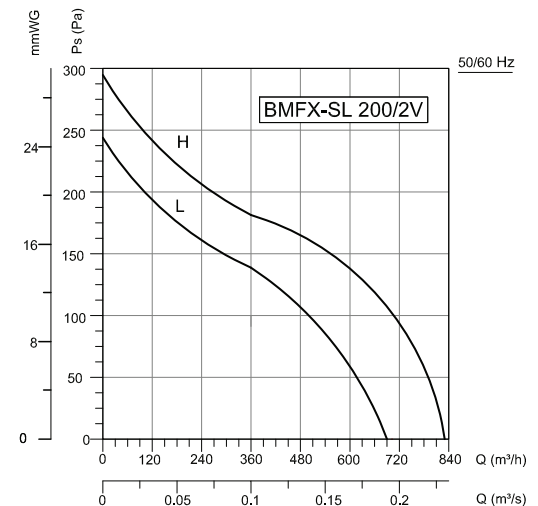
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	56	22	74	77	46	48	75	20	26	dB(A)
$L_{WA}$ Surrounding	51	26	77	77	74	74	72	26	88	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	56	22	74	77	46	48	75	20	26	dB(A)
$L_{WA}$ Surrounding	51	26	77	77	74	74	72	26	88	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	62	21	28	48	42	49	43	42	77	dB(A)
$L_{WA}$ Surrounding	51	82	80	71	29	76	41	20	89	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
$L_{WA}$ Inlet	68	22	72	43	40	97	92	91	41	dB(A)
$L_{WA}$ Surrounding	56	84	28	72	78	41	42	77	80	dB(A)