

FB FAN RANGE

DATA SHEET



MOVEX[®]
EQUIPMENT



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FB FAN RANGE

A focus on performance and design gives FB many benefits

Movex Equipment FB is a range of radial fans for the extraction of gases, smoke and small particles. For Airflows range from 200 m³/h (55l/s) to 11,000 m³/h (3,050 l/s)

The impeller with it's curved blades is manufactured from welded sheet steel and is electro-galvanised as standard.

The fans are optimised for use together with the Movex Equipment product range for local extraction in industrial environments and vehicle workshops.

There are a number of accessories available for the FB range to make installation and use easier and more efficient.

The high efficiency meets the requirements of ErP for 2015.



3 PHASE FAN SPECIFICATIONS

PRODUCT CODE	NOMINAL SPEED (RPM)	RATED POWER (kW)	RATED CURRENT A		VOLTAGE
			3 PHASE 240V	3 PHASE 400V	
FB-037-3	2800	0.37	1.66	0.96	230/400
FB-055-3	2800	0.55	2.25	1.3	230/400
FB-075-3	2800	0.75	2.9	1.6	230/400
FB-110-3	2800	1.10	4.0	2.3	230/400
FB-220-3	2800	2.20	7.6	4.3	230/400
FB-400-3	2800	4.00	13	7.4	230/400
FB-750-3	2800	7.5	23.5	13.5	230/400

1 PHASE FAN SPECIFICATIONS

PRODUCT CODE	NOMINAL SPEED (RPM)	RATED POWER (kW)	RATED CURRENT A	VOLTAGE
			1 PHASE 240V	
FB-037-1	2800	0.37	2.6	230
FB-055-1	2800	0.55	3.7	230
FB-075-1	2800	0.75	4.7	230
FB-110-1	2800	1.10	6.7	230

ERP 2015

The aim of ErP 2015 (Energy related Products) is to reduce CO2 emissions by 20%. ErP 2015 defines the lowest permitted efficiency for all fans with a power output from 125W to 500kW. Minimum efficiency relates to the whole system including fan, motor and, if relevant, transmission.



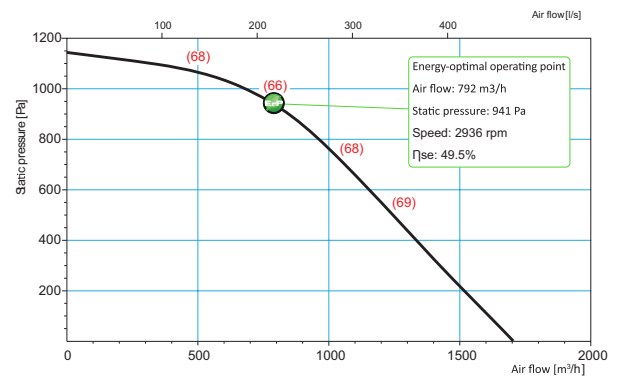
ErP 2015 is valid from 01/01/2015 and is a requirement that must be met in order to use the product in EU Member States.

Movex Equipment wishes to support the development of increased energy efficiency, sustainability, responsible manufacturing and recycling. All Movex Equipment products that are covered by the Directive 2009/125/EC either satisfy or exceed the requirements of ErP.

FB-037 FAN

0.37Kw single and three phase extraction fans.

PRODUCT CODE	DESCRIPTION
FB-037-3	3 phase, 0,37 kW, 415 V
FB-037-1	1 phase, 0,37 kW, 240 V
FBO-037	Outlet transition piece to FB-037

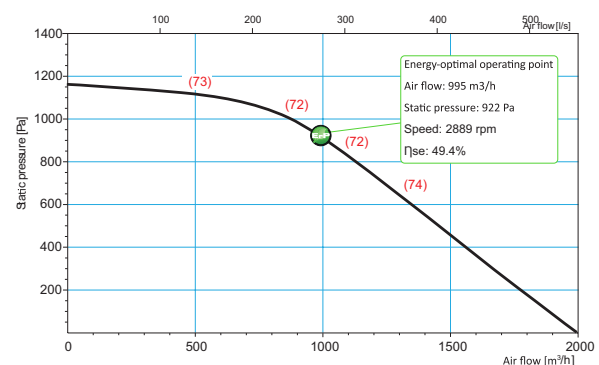


Sound Pressure L_p dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (L_{wt}) measured according to ISO 5801. Available on our website.

FB-055 FAN

0.55Kw single and three phase extraction fans.

PRODUCT CODE	DESCRIPTION
FB-055-3	3 phase, 0.55kW, 415V
FB-055-1	1 phase, 0.55kW, 240V
FBO-055	Outlet transition piece to FB-055



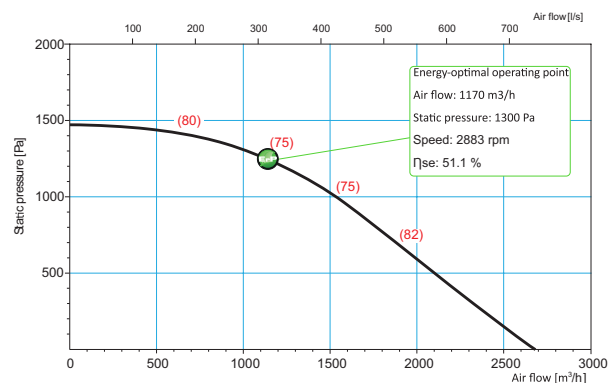
Sound Pressure L_p dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (L_{wt}) measured according to ISO 5801. Available on our website.

FB-075 FAN

0.75Kw single and three phase extraction fans.

PRODUCT CODE	DESCRIPTION
FB-075-3	3 phase, 0.75 kW, 415 V
FB-075-1	1 phase, 0.75 kW, 240 V
FBO-075	Outlet transition piece to FB-075

Sound Pressure L_p dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (Lwt) measured according to ISO 5801. Available on our website.

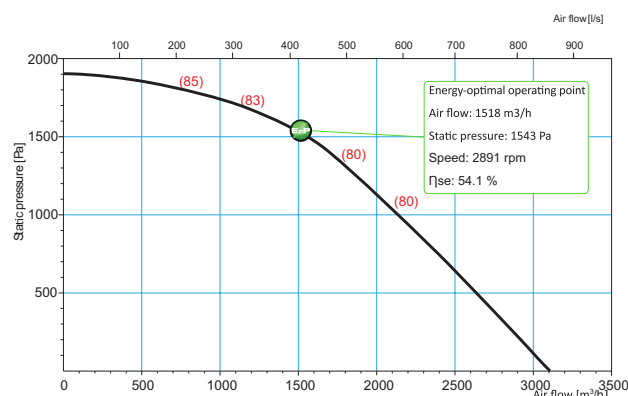


FB-110 FAN

1.1Kw single and three phase extraction fans.

PRODUCT CODE	DESCRIPTION
FB-110-3	3 phase, 1.1kW, 415V
FB-110-1	1 phase, 1.1kW, 240V
FBO-110	Outlet transition piece to FB-110

Sound Pressure L_p dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (Lwt) measured according to ISO 5801. Available on our website.

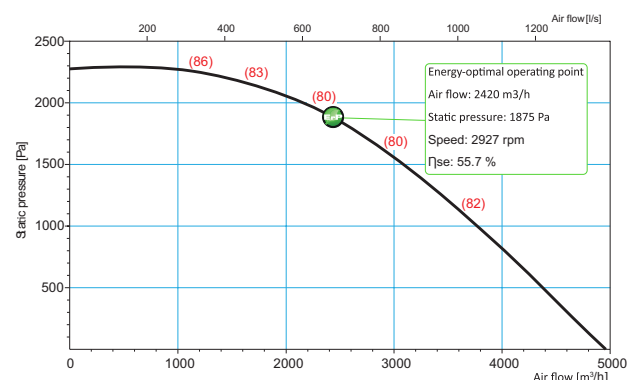


FB-220 FAN

2.2Kw three phase extraction fan.

PRODUCT CODE	DESCRIPTION
FB-220	3 phase, 2.2kW, 415V
FBO-220	Outlet transition piece to FB-220

Sound Pressure L_p dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (Lwt) measured according to ISO 5801. Available on our website.

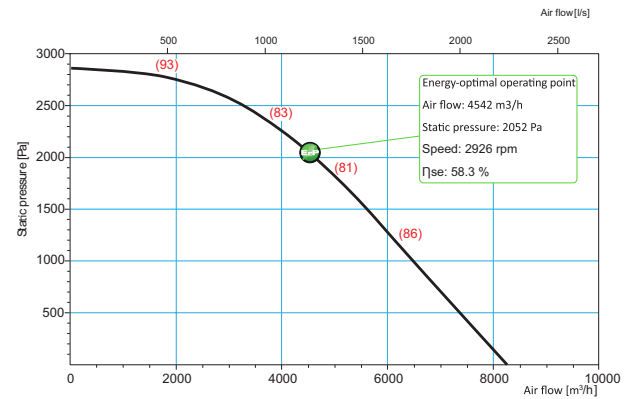


FB-400 FAN

4.0Kw three phase extraction fan.

PRODUCT CODE	DESCRIPTION
FB-400	3 phase, 4 kW, 415 V
FBO-400	Outlet transition piece to FB-400

Sound Pressure Lp dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (Lwt) measured according to ISO 5801. Available on our website.

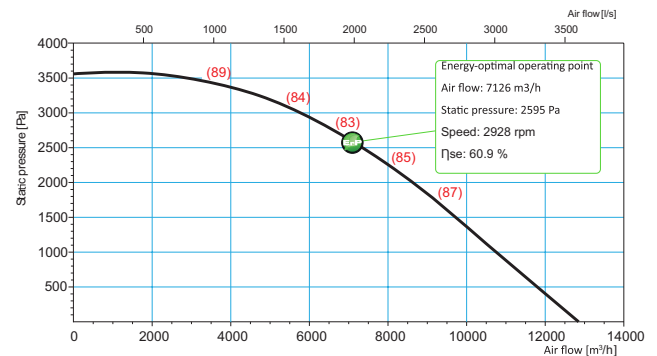


FB-750 FAN

7.5Kw three phase extraction fan.

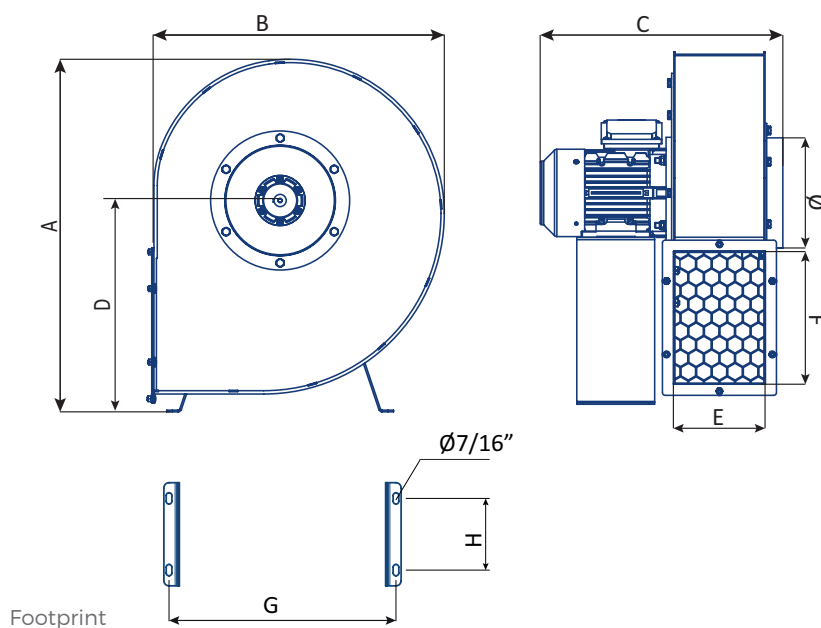
PRODUCT CODE	DESCRIPTION
FB-750	3 phase, 7.5 kW, 415 V
FBO-750	Outlet transition piece to FB-750

Sound Pressure Lp dB(A), is shown in the diagram above with the fan's pressure side and suction side duct connected. The specified sound pressure levels are measured at distance of 1 m from the fan in premises with a room attenuation of 8 dB. Sound power (Lwt) measured according to ISO 5801. Available on our website.

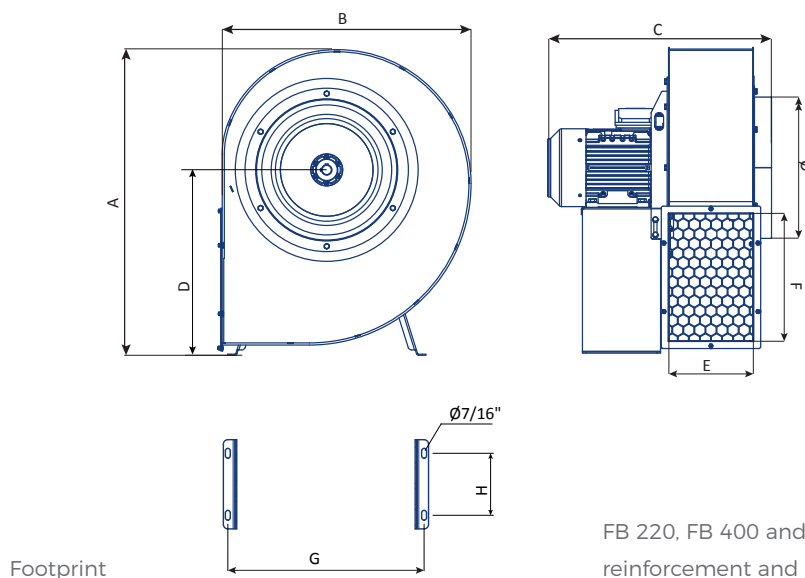


FB RANGE SIZES AND DIMENSIONS

FB 037
FB 055
FB 075
FB 110



FB 220
FB 400
FB 750



FB 220, FB 400 and FB 750 are manufactured with reinforcement and lifting eyes

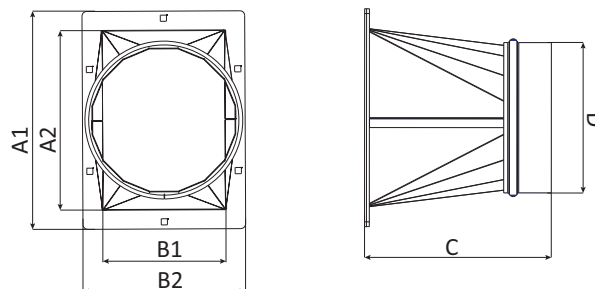
PRODUCT CODE	DIMENSIONS (mm)									TOTAL WEIGHT (KG)
	A	B	C	D	E	F	G	H	Ø	
FB-037	508	430	383	306	131	189	330	80	160	21
FB-055	508	430	406	306	154	189	330	80	160	22
FB-075	566	481	452	340	168	212	360	90	200	29
FB-110	634	538	449	380	165	239	380	90	200	35
FB-220*	707	603	507	422	180	271	440	140	250	49
FB-400*	861	717	636	522	240	361	540	140	400	73
FB-750*	982	794	742	606	283	401	632	155	500	107

ACCESSORIES

FBO

FBO, transition from rectangular to round connection mounted on the fan's outlet.

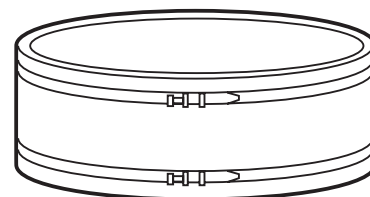
DESIGNATION	DIMENSIONS (mm)					
	A1	A2	B1	B2	C	D
FBO 037	229	189	130	171	194	158
FBO 055	229	189	154	194	194	158
FBO 075	252	212	167	208	244	198
FBO 110	279	239	164	205	244	198
FBO 220	311	271	179	220	254	248
FBO 400	401	361	239	280	344	398
FBO 750	441	401	282	323	444	498



FBD

Flexible connector to the fan's suction side, including 2 assembly clamps

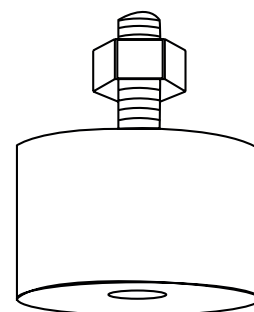
DESIGNATION	DESCRIPTION	DIAMETER
FBD-055	Compatible with FB 037 and FB 055	Ø160mm
FBD-110	Compatible with FB 075 and FB 110	Ø200mm
FBD-220	Compatible with FB 220	Ø250mm
FBD-400	Compatible with FB 400	Ø400mm
FBD-750	Compatible with FB 750	Ø500mm



FBV

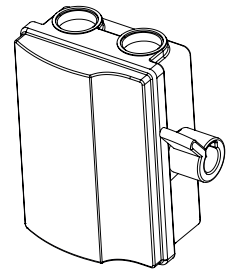
Vibration damper kit, consisting of four vibration dampers manufactured in natural rubber with a hardness of 60° IRH. Designed for use to prevent the spread of vibrations.

DESIGNATION	DESCRIPTION	DIMENSIONS
FBV-110	Compatible with FB 037-FB 110	40x30mm / M8
FBV-750	Compatible with FB 220-FB 750	50x30mm / M10



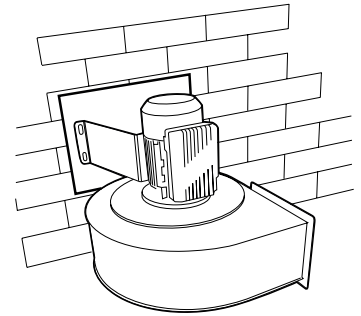
SSB 750

SSB 750, Safety switch with lockable lever. Supplied with 2 M25 entries.
138x63x118mm



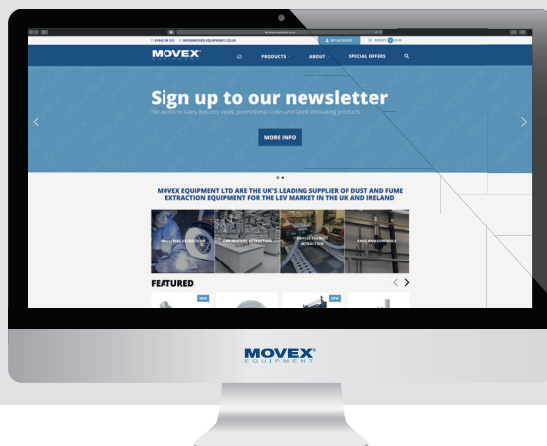
FBF

Mounting plate designed for use in the simple, secure mounting of fans on walls of uneven material, e.g. corrugated sheet metal. Supplied complete with vibration damper, for optimal function.



DESIGNATION	DESCRIPTION	DIMENSIONS
FBF-110	Compatible with FB 037, 055, 075 and 110	662 x 662mm
FBF-750	Compatible with FB 220, 400 and 750	762 x 662mm

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