

Vacuum blowers



Frequency-regulated vacuum blower SGBL-FU



Frequency-regulated vacuum blower

Our highlights...

- Blower with either extremely high suction capacity or high vacuum, as desired
- Integrated frequency converter, controlled locally or by an external controller
- Compact and lightweight design
- Energy savings at lower speeds
- Wide range of models with varying performance

Your advantages...

- > For handling either porous materials or heavy parts
- > Optimum adjustment of the volume flow rate or the vacuum value to meet customer requirements
- > User-friendly design and small dimensions
- > Reduced electricity costs and noise output levels
- > Safety for every application

Applications

- Handling of cardboard, foam materials, insulating materials, recycled materials and other porous materials
- Handling of varying materials, which means that the suction capacity must be adjusted frequently

Construction

- Vacuum blower in the form of a directly driven side-channel compressor with integrated frequency converter
- Vacuum limiting and motor-overload protection provided automatically by the frequency converter



Suitability for branch-specific applications

Designation code Frequency-regulated vacuum blower SGBL-FU

Short designation	Blower type	Suction capacity in m ³ /h	Maximum vacuum in mbar	Rated power in kW	Additional function
Example: SGBL	FU	335	250	4	ER
SGBL	FU...frequency-regulated	180 335	250 400	4	-... without reversing valve ER... with electropneumatically reversing valve

Ordering data Frequency-regulated vacuum blower SGBL-FU

Type	Vacuum blowers	Vacuum blowers with electropneumatically reversing valve
SGBL-FU 180-400	10.04.02.00069	10.04.02.00070
SGBL-FU 335-250	10.04.01.00040	10.04.01.00041

Ordering accessories data Frequency-regulated vacuum blower SGBL-FU

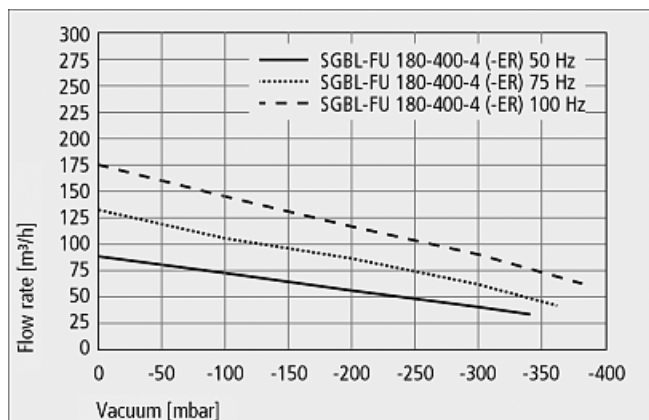
Type	Silencer box
SGBL-FU 180-400-4	10.04.04.00110
SGBL-FU 335-250-4	10.04.04.00110
SGBL-FU 180-400-4-ER	-
SGBL-FU 335-250-4-ER	-

Technical data Frequency-regulated vacuum blower SGBL-FU

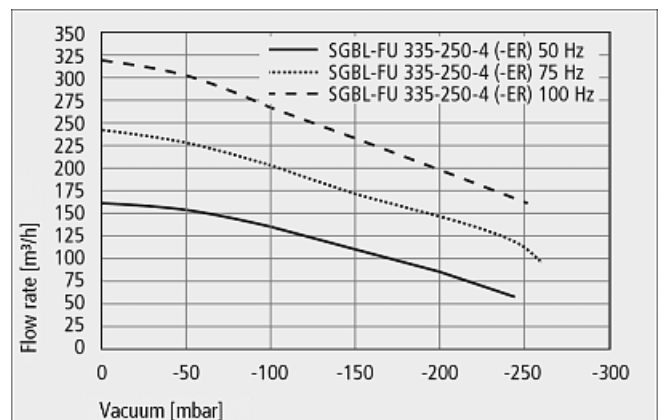
Type	Suction rate at 100 Hz [m³/h]	Max. vacuum [mbar] permanent (> 90 s)	Max. vacuum [mbar] temporary (< 90 s)	Voltage	Voltage reversing	Rated current [A]	Current consumption Reversing [mA]
SGBL-FU 180-400-4	180	-400	-500	400V ±10%	-	7,4	-
SGBL-FU 335-250-4	335	-250	-	380-500V AC3	-	7,4	-
SGBL-FU 180-400-4-ER	180	-400	-500	400V ±10%	24V-DC	7,4	320
SGBL-FU 335-250-4-ER	335	-250	-	400V ±10%	24V-DC	7,4	320

Type	Control pressure range	Rated power [kW] at 100 Hz	Mains frequency [Hz]	Protection IP	Weight [kg]	Noise level at 50 Hz [db(A)]
SGBL-FU 180-400-4	-	4	100	IP 54	35	72
SGBL-FU 335-250-4	-	4	100	IP 54	35	72
SGBL-FU 180-400-4-ER	2,5...3 bar	4	100	IP 54	48	72
SGBL-FU 335-250-4-ER	2,5...3 bar	4	100	IP 54	35	72

Performance data Frequency-regulated vacuum blower SGBL-FU



Suction capacity at various degrees of evacuation



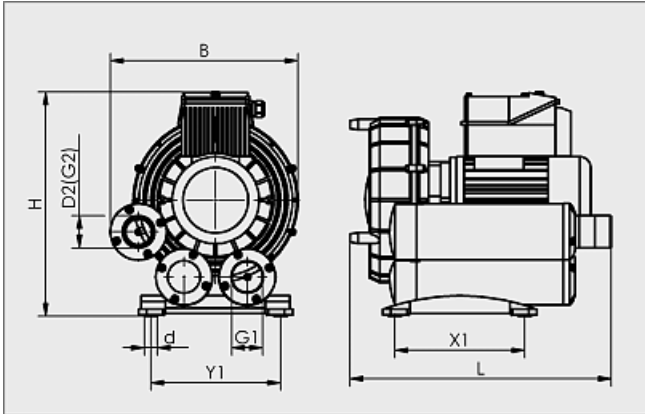
Suction capacity at various degrees of evacuation

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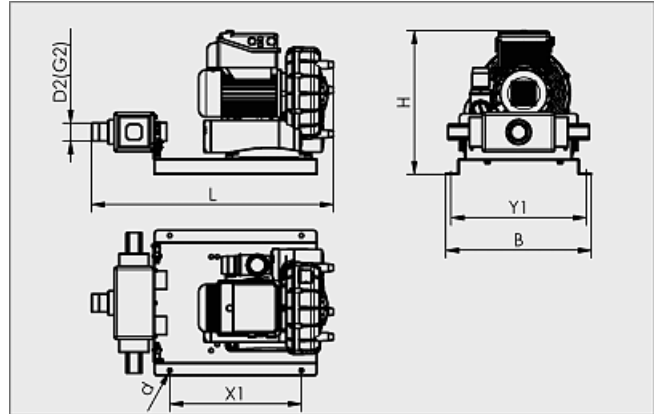


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Design data Frequency-regulated vacuum blower SGBL-FU



SGBL-FU 180-400-4; SGBL-FU 335-250-4



SGBL-FU 180-400-4-ER; SGBL-FU 335-250-4-ER

Type	Dimensions in mm								
	B	d	D2	G1	G2	H	L	X1	Y1
SGBL-FU 180-400-4	350	12	60	G2-F	G2-M	425	445	240	240
SGBL-FU 335-250-4	350	12	60	G2-F	G2-M	425	445	240	240
SGBL-FU 180-400-4-ER	480	13	60	-	G2-M	475	800	435	446
SGBL-FU 335-250-4-ER	480	13	60	-	G2-M	475	800	435	446