

Vacuum Blowers SB with Electro-Pneumatic Reversing

Suction rate from 195 m³/h to 610 m³/h



Suitability for industry specific applications

Application

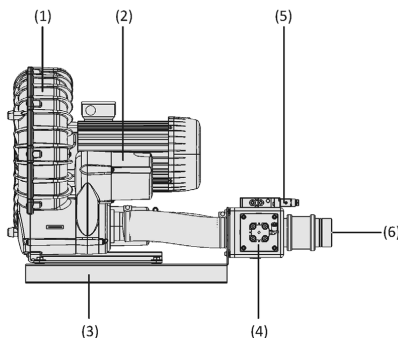
- Vacuum blower for handling of cardboard boxes, foam materials, insulating materials, recycling materials and other extremely porous materials
- Enormous suction capacity easily compensates for any leaks
- Control by electropneumatic reversing
- Use in gripping systems which need a high vacuum flow rate



Vacuum Blowers SB with Electro-Pneumatic Reversing

Design

- Side-channel compressor (1) with very high suction capacity
- Vacuum limiting valve (2) enables continuous operation
- Mounting bracket (3) for the compact design of the blower with reversing unit
- Reverse valve (4) for direct reversal of suction and blowing air at the gripper
- Control valves (5) with low power consumption
- Working connection (6) for easy connection of the gripper to the vacuum generator



System design Vacuum Blowers SB with Electro-Pneumatic Reversing

Product highlights

- Directly driven side channel compressor optimized for handling porous materials
- Housing and impeller made of die-cast aluminum guarantee vibration-free operation and high suction rate; oil-free and low noise
- Control by means of an attached electropneumatic reversing valve

Designation code Vacuum Blowers SB with Electro-Pneumatic Reversing

Vacuum Blowers SB with Electro-Pneumatic Reversing

Suction rate from 195 m³/h to 610 m³/h

SB	–	110	–	350	–	1.8	–	IE-TYP2	–	ER
1		2		3		4		5		6

1 – Abbreviated designation

Code	Version
SB	SB

2 – Performance class

Code	Suction rate in m³/h
165...610	ø 165 to 610

3 – Maximum vacuum

Code	Vacuum in mbar
175...445	175 to 445

4 – Nominal power

Code	Power in kW
1.8...6.6	1.8 to 6.6

5 – Motor type

Code	Type
IE3-Typ1	Type1: IE3-EU/CN/IND
IE3-Typ2	Type2: IE3-US/CAN
IE3-Typ3	Type3: IE3-JPN/KOR/BRA

6 – Product addition

Code	Type
ER	Electropneumatic reversing

Vacuum blower SB with electro-pneumatic reversing is delivered as a ready to connect product.

Ordering data Vacuum Blowers SB with Electro-Pneumatic Reversing

Type	Part no.
SB 110 350 1.8 IE3-TYP2 ER	10.04.01.00142
SB 195 440 3 IE3-TYP1 ER	10.04.01.00140
SB 195 440 3 IE3-TYP3 ER	10.04.01.00139
SB 235 400 3.6 IE3-TYP2 ER	10.04.01.00119
SB 260 410 4 IE3-TYP1 ER	10.04.01.00122
SB 260 410 4 IE3-TYP3 ER	10.04.01.00146
SB 260 445 4 IE3-TYP1 ER	10.04.01.00130
SB 305 400 4.8 IE3-TYP2 ER	10.04.01.00147
SB 325 265 3 IE3-TYP1 ER	10.04.01.00148
SB 325 265 3 IE3-TYP3 ER	10.04.01.00149
SB 375 390 5.5 IE3-TYP1 ER	10.04.01.00143
SB 375 390 5.5 IE3-TYP3 ER	10.04.01.00144
SB 390 245 3.6 IE3-TYP2 ER	10.04.01.00150
SB 390 315 4 IE3-TYP1 ER	10.04.01.00131
SB 390 315 4 IE3-TYP3 ER	10.04.01.00136
SB 440 360 6.6 IE3-TYP2 ER	10.04.01.00145
SB 470 290 4.8 IE3-TYP2 ER	10.04.01.00151
SB 510 200 4 IE3-TYP1 ER	10.04.01.00121
SB 510 200 4 IE3-TYP3 ER	10.04.01.00152
SB 610 175 4.8 IE3-TYP2 ER	10.04.01.00153

Vacuum Blowers SB with Electro-Pneumatic Reversing

Suction rate from 195 m³/h to 610 m³/h

Technical data Vacuum Blowers SB with Electro-Pneumatic Reversing

Type	Suction rate (50 Hz) [m³/h]	Suction rate (60 Hz) [m³/h]	Vacuum (50 Hz) [mbar]	Vacuum (60 Hz) [mbar]	Rated power at 50 Hz [kW]	Rated power at 60 Hz [kW]	Protection type IP	Weight [kg]
SB 110 350 1.8 IE3-TYP2 ER	-	110	-	350	-	1.8	IP 55	64.0
SB 195 440 3 IE3-TYP3 ER	195	235	440	400	3.0	3.6	IP 55	89.0
SB 195 440 3 IE3-TYP1 ER	195	235	440	400	3.0	3.6	IP 55	89.0
SB 235 400 3.6 IE3-TYP2 ER	-	235	-	400	-	3.6	IP 55	89.0
SB 260 410 4 IE3-TYP1 ER	260	305	410	400	4.0	4.8	IP 55	98.0
SB 260 410 4 IE3-TYP3 ER	260	305	410	400	4.0	4.8	IP 55	98.0
SB 260 445 4 IE3-TYP1 ER	260	-	445	-	4.0	-	IP 55	98.5
SB 305 400 4.8 IE3-TYP2 ER	-	305	-	400	-	4.8	IP 55	98.0
SB 325 265 3 IE3-TYP1 ER	325	390	265	245	3.0	3.6	IP 55	78.0
SB 325 265 3 IE3-TYP3 ER	325	390	265	245	3.0	3.6	IP 55	78.0
SB 375 390 5.5 IE3-TYP1 ER	375	435	390	340	5.5	6.6	IP 55	110.5
SB 375 390 5.5 IE3-TYP3 ER	375	435	390	340	5.5	6.6	IP 55	110.5
SB 390 315 4 IE3-TYP1 ER	390	470	315	290	4.0	4.8	IP 55	74.5
SB 390 245 3.6 IE3-TYP2 ER	-	390	-	245	-	3.6	IP 55	78.0
SB 390 315 4 IE3-TYP3 ER	390	470	315	290	4.0	4.8	IP 55	74.5
SB 440 360 6.6 IE3-TYP2 ER	-	440	-	360	-	6.6	IP 55	110.5
SB 470 290 4.8 IE3-TYP2 ER	-	470	-	290	-	4.8	IP 55	74.5
SB 510 200 4 IE3-TYP1 ER	510	610	200	175	4.0	4.8	IP 55	83.0
SB 510 200 4 IE3-TYP3 ER	510	610	200	175	4.0	4.8	IP 55	83.0
SB 610 175 4.8 IE3-TYP2 ER	-	610	-	175	-	4.8	IP 55	83.0