

Vacuum Blowers SB

Suction rate from 75 m³/h to 1,250 m³/h



Suitability for industry specific applications

Application

- Vacuum blower for handling cardboard, insulating material, recycled material and other porous materials
- Enormous suction capacity easily compensates for any leaks

Vacuum Blowers SB

Design

- Vacuum blower with high precision, die-cast aluminum housing and impeller
- Preconfigured pressure limiting valve included
- Motor in top energy-efficiency class (IE3)

Product highlights

- Blower with very high suction capacity optimized for porous materials
- Housing and impeller made of die-cast aluminum guarantee vibration-free operation and high suction rate
- Wide range of services for extensive coverage of customer requirements

Designation code Vacuum Blowers SB

SB 1	-	210 2	-	370 3	-	3 4	-	IE3-Type1 5
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1 – Abbreviated designation

Code	Version
SB	SB

2 – Performance class

Code	Suction rate in m ³ /h
75...1250	75 to 1,250

3 – Max. vacuum

Code	Vacuum in mbar
105...440	-105 to -440

4 – Rated power

Code	Power in kW
0,75...13,2	0.75 to 13.20

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
IE3-Typ4	Type4: IE3-CAN

The vacuum blower SB is delivered as a ready-to-connect product.

Available accessories: silencer box, dust filter

Vacuum Blowers SB

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Ordering data Vacuum Blowers SB

Type	Part no.
SB 75 105 0.37 IE2-TYP1	10.04.01.00176
SB 90 330 1.5 IE3-TYP1	10.04.01.00087
SB 90 330 1.5 IE3-TYP3	10.04.01.00088
SB 110 350 1.8 IE3-TYP2	10.04.01.00089
SB 130 125 0.75 IE3-TYP1	10.04.01.00066
SB 130 125 0.75 IE3-TYP3	10.04.01.00067
SB 160 115 0.9 IE3-TYP2	10.04.01.00068
SB 180 215 1.5 IE3-TYP1	10.04.01.00069
SB 180 215 1.5 IE3-TYP3	10.04.01.00070
SB 195 440 3 IE3-TYP1	10.04.01.00090
SB 195 440 3 IE3-TYP3	10.04.01.00091
SB 230 230 1.8 IE3-TYP2	10.04.01.00071
SB 235 400 3.6 IE3-TYP2	10.04.01.00092
SB 235 400 3.6 IE3-TYP4	10.04.01.00128
SB 260 410 4 IE3-TYP1	10.04.01.00093
SB 260 410 4 IE3-TYP3	10.04.01.00094
SB 260 445 4 IE3-TYP1	10.04.01.00123
SB 305 400 4.8 IE3-TYP2	10.04.01.00095
SB 325 265 3 IE3-TYP1	10.04.01.00072
SB 325 265 3 IE3-TYP3	10.04.01.00073
SB 375 390 5.5 IE3-TYP1	10.04.01.00096
SB 375 390 5.5 IE3-TYP3	10.04.01.00097
SB 375 390 5.5 IE3-TYP1	10.04.01.00194
SB 375 390 5.5 IE3-TYP3	10.04.01.00195
SB 390 245 3.6 IE3-TYP2	10.04.01.00074
SB 390 315 4 IE3-TYP1	10.04.01.00075
SB 390 315 4 IE3-TYP3	10.04.01.00076
SB 435 340 6.6 IE3-TYP2	10.04.01.00098
SB 435 340 6.6 IE3-TYP2	10.04.01.00196
SB 470 290 4.8 IE3-TYP2	10.04.01.00077
SB 510 200 4 IE3-TYP1	10.04.01.00078
SB 510 200 4 IE3-TYP3	10.04.01.00079
SB 510 390 11 IE3-TYP1	10.04.01.00099
SB 510 390 11 IE3-TYP3	10.04.01.00100
SB 510 390 11 IE3-TYP1	10.04.01.00197
SB 510 390 11 IE3-TYP3	10.04.01.00198
SB 610 175 4.8 IE3-TYP2	10.04.01.00080
SB 605 390 13.2 IE3-TYP2	10.04.01.00101
SB 605 390 13.2 IE3-TYP2	10.04.01.00199
SB 765 280 7.5 IE3-TYP1	10.04.01.00081
SB 765 280 7.5 IE3-TYP3	10.04.01.00082
SB 765 280 7.5 IE3-TYP1	10.04.01.00182
SB 765 280 7.5 IE3-TYP3	10.04.01.00183
SB 915 260 9 IE3-TYP2	10.04.01.00083
SB 915 280 9 IE3-TYP2	10.04.01.00184
SB 1050 290 11 IE3-TYP1	10.04.01.00084
SB 1050 290 11 IE3-TYP3	10.04.01.00085
SB 1050 290 11 IE3-TYP1	10.04.01.00185
SB 1050 290 11 IE3-TYP3	10.04.01.00186
SB 1240 260 13.2 IE3-TYP2	10.04.01.00086
SB 1240 260 13.2 IE3-TYP2	10.04.01.00187

Vacuum Blowers SB

Suction rate from 75 m³/h to 1,250 m³/h

Ordering data Accessories Vacuum Blowers SB

Type	Dust filter	Silencer box	Silencer kit	Silencer (round)	Filter insert (round)
SB 75 105 0.37 IE2-TYP1	10.07.01.00008	-	-	-	-
SB 90 330 1.5 IE3-TYP1	10.07.01.00259	10.04.04.00234	-	10.04.04.00362	-
SB 90 330 1.5 IE3-TYP3	10.07.01.00259	10.04.04.00234	-	10.04.04.00362	-
SB 110 350 1.8 IE3-TYP2	10.07.01.00259	10.04.04.00234	-	10.04.04.00362	-
SB 130 125 0.75 IE3-TYP1	10.07.01.00398	-	-	10.04.04.00362	-
SB 130 125 0.75 IE3-TYP3	10.07.01.00398	-	-	10.04.04.00362	-
SB 160 115 0.9 IE3-TYP2	10.07.01.00398	-	-	10.04.04.00362	-
SB 180 215 1.5 IE3-TYP1	10.07.01.00259	10.04.04.00234	-	10.04.04.00362	-
SB 180 215 1.5 IE3-TYP3	10.07.01.00259	10.04.04.00234	-	10.04.04.00362	-
SB 195 440 3 IE3-TYP1	10.07.01.00259	10.04.04.00236	10.04.04.00363	10.04.04.00374	-
SB 195 440 3 IE3-TYP3	10.07.01.00259	10.04.04.00236	10.04.04.00363	10.04.04.00374	-
SB 230 230 1.8 IE3-TYP2	10.07.01.00259	10.04.04.00234	-	-	-
SB 235 400 3.6 IE3-TYP2	10.07.01.00259	10.04.04.00236	10.04.04.00363	10.04.04.00374	-
SB 235 400 3.6 IE3-TYP4	10.07.01.00259	10.04.04.00236	10.04.04.00363	-	-
SB 260 410 4 IE3-TYP1	10.07.01.00260	10.04.04.00237	10.04.04.00363	10.04.04.00374	-
SB 260 410 4 IE3-TYP3	10.07.01.00260	10.04.04.00237	10.04.04.00363	10.04.04.00374	-
SB 260 445 4 IE3-TYP1	10.07.01.00260	10.04.04.00237	10.04.04.00363	10.04.04.00374	-
SB 305 400 4.8 IE3-TYP2	10.07.01.00260	10.04.04.00237	10.04.04.00363	10.04.04.00374	-
SB 325 265 3 IE3-TYP1	10.07.01.00384	10.04.04.00235	10.04.04.00363	10.04.04.00374	-
SB 325 265 3 IE3-TYP3	10.07.01.00384	10.04.04.00235	10.04.04.00363	10.04.04.00374	-
SB 375 390 5.5 IE3-TYP1	10.07.01.00263	-	-	10.04.04.00164	10.07.01.00079
SB 375 390 5.5 IE3-TYP3	10.07.01.00263	-	-	10.04.04.00164	10.07.01.00079
SB 390 245 3.6 IE3-TYP2	10.07.01.00384	10.04.04.00235	10.04.04.00363	10.04.04.00374	-
SB 390 315 4 IE3-TYP1	10.07.01.00384	10.04.04.00236	10.04.04.00363	10.04.04.00374	10.07.01.00079
SB 390 315 4 IE3-TYP3	10.07.01.00384	10.04.04.00236	10.04.04.00363	10.04.04.00374	10.07.01.00079
SB 435 340 6.6 IE3-TYP2	10.07.01.00263	-	-	10.04.04.00164	10.07.01.00079
SB 470 290 4.8 IE3-TYP2	10.07.01.00384	10.04.04.00236	10.04.04.00363	10.04.04.00374	10.07.01.00079
SB 510 200 4 IE3-TYP1	10.07.01.00399	10.04.04.00237	10.04.04.00363	10.04.04.00374	10.07.01.00361
SB 510 200 4 IE3-TYP3	10.07.01.00399	10.04.04.00237	10.04.04.00363	10.04.04.00374	10.07.01.00361
SB 510 390 11 IE3-TYP1	10.07.01.00406	-	-	10.04.04.00164	-
SB 510 390 11 IE3-TYP3	10.07.01.00406	-	-	10.04.04.00164	-
SB 610 175 4.8 IE3-TYP2	10.07.01.00399	10.04.04.00237	10.04.04.00363	10.04.04.00374	10.07.01.00361
SB 605 390 13.2 IE3-TYP2	10.07.01.00406	-	-	10.04.04.00164	-
SB 765 280 7.5 IE3-TYP1	10.07.01.00400	-	-	10.04.04.00164	-
SB 765 280 7.5 IE3-TYP3	10.07.01.00400	-	-	10.04.04.00164	-
SB 915 260 9 IE3-TYP2	10.07.01.00400	10.04.04.00239	-	10.04.04.00163 10.04.04.00164	-
SB 915 280 9 IE3-TYP2	10.07.01.00400	-	-	10.04.04.00164	-
SB 1050 290 11 IE3-TYP1	10.07.01.00401	-	-	10.04.04.00164	-
SB 1050 290 11 IE3-TYP3	10.07.01.00401	-	-	10.04.04.00164	-
SB 1240 260 13.2 IE3-TYP2	10.07.01.00401	-	-	10.04.04.00164	-

Vacuum Blowers SB

Suction rate from 75 m³/h to 1,250 m³/h

Technical data Vacuum Blowers SB

Type	Suction rate (50 Hz) [m ³ /h]	Suction rate (60 Hz) [m ³ /h]	Vacuum (50 Hz) [mbar]	Vacuum (60 Hz) [mbar]	Protection type IP
SB 75 105 0.37 IE2-TYP1	75	-	105	-	IP 55
SB 90 330 1.5 IE3-TYP1	90	110	330	350	IP 55
SB 90 330 1.5 IE3-TYP3	90	110	330	350	IP 55
SB 110 350 1.8 IE3-TYP2	-	110	-	350	IP 55
SB 130 125 0.75 IE3-TYP1	130	160	125	115	IP 55
SB 130 125 0.75 IE3-TYP3	130	160	125	115	IP 55
SB 160 115 0.9 IE3-TYP2	-	160	-	115	IP 55
SB 180 215 1.5 IE3-TYP1	180	230	215	230	IP 55
SB 180 215 1.5 IE3-TYP3	180	230	215	230	IP 55
SB 195 440 3 IE3-TYP1	195	235	440	400	IP 55
SB 195 440 3 IE3-TYP3	195	235	440	400	IP 55
SB 230 230 1.8 IE3-TYP2	-	230	-	230	IP 55
SB 235 400 3.6 IE3-TYP2	-	235	-	400	IP 55
SB 235 400 3.6 IE3-TYP4	-	235	-	400	IP 65
SB 260 410 4 IE3-TYP1	260	305	410	400	IP 55
SB 260 410 4 IE3-TYP3	260	305	410	400	IP 55
SB 260 445 4 IE3-TYP1	260	305	445	400	IP 55
SB 305 400 4.8 IE3-TYP2	-	305	-	400	IP 55
SB 325 265 3 IE3-TYP1	325	390	265	245	IP 55
SB 325 265 3 IE3-TYP3	325	390	265	245	IP 55
SB 375 390 5.5 IE3-TYP1	375	435	390	340	IP 55
SB 375 390 5.5 IE3-TYP3	375	435	390	340	IP 55
SB 390 315 4 IE3-TYP1	390	470	315	290	IP 55
SB 390 245 3.6 IE3-TYP2	-	390	-	245	IP 55
SB 390 315 4 IE3-TYP3	390	470	315	290	IP 55
SB 435 340 6.6 IE3-TYP2	-	435	-	340	IP 55
SB 470 290 4.8 IE3-TYP2	-	470	-	290	IP 55
SB 510 200 4 IE3-TYP1	510	610	200	175	IP 55
SB 510 200 4 IE3-TYP3	510	610	200	175	IP 55
SB 510 390 11 IE3-TYP1	510	605	390	390	IP 55
SB 510 390 11 IE3-TYP3	510	605	390	390	IP 55
SB 610 175 4.8 IE3-TYP2	-	610	-	175	IP 55
SB 605 390 13.2 IE3-TYP2	-	605	-	390	IP 55
SB 765 280 7.5 IE3-TYP1	765	915	280	260	IP 55
SB 765 280 7.5 IE3-TYP3	765	915	280	260	IP 55
SB 915 260 9 IE3-TYP2	-	915	-	260	IP 55
SB 1050 290 11 IE3-TYP1	1,050	1,250	290	270	IP 55
SB 1050 290 11 IE3-TYP3	1,050	1,250	290	270	IP 55
SB 1240 260 13.2 IE3-TYP2	-	1,240	-	260	IP 55

Type	Rated power at 50 Hz [kW]	Rated power at 60 Hz [kW]	Sound pressure level at 50 Hz [dB(A)]	Sound level at 60 Hz [dB(A)]	Weight [kg]
SB 75 105 0.37 IE2-TYP1	0.4	0.44	62.0	63	13.0
SB 90 330 1.5 IE3-TYP1	1.5	1.80	63.7	69	28.5
SB 90 330 1.5 IE3-TYP3	1.5	1.80	63.7	69	28.5
SB 110 350 1.8 IE3-TYP2	-	1.80	-	69	28.5
SB 130 125 0.75 IE3-TYP1	0.8	0.90	56.8	62	21.7
SB 130 125 0.75 IE3-TYP3	0.8	0.90	56.8	62	21.7
SB 160 115 0.9 IE3-TYP2	-	0.90	-	62	21.7
SB 180 215 1.5 IE3-TYP1	1.5	1.80	63.9	70	28.5
SB 180 215 1.5 IE3-TYP3	1.5	1.80	63.9	70	28.5
SB 195 440 3 IE3-TYP1	3.0	3.60	71.1	73	49.0
SB 195 440 3 IE3-TYP3	3.0	3.60	71.1	73	49.0

Vacuum Blowers SB

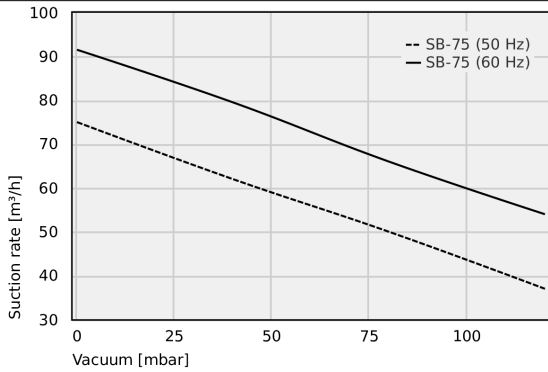
Suction rate from 75 m³/h to 1,250 m³/h

Type	Rated power at 50 Hz [kW]	Rated power at 60 Hz [kW]	Sound pressure level at 50 Hz [dB(A)]	Sound level at 60 Hz [dB(A)]	Weight [kg]
SB 230 230 1.8 IE3-TYP2	-	1.80	-	70	28.5
SB 235 400 3.6 IE3-TYP2	-	3.60	-	73	49.0
SB 235 400 3.6 IE3-TYP4	-	3.60	-	-	53.5
SB 260 410 4 IE3-TYP1	4.0	4.80	68.9	72	62.5
SB 260 410 4 IE3-TYP3	4.0	4.80	68.9	72	62.5
SB 260 445 4 IE3-TYP1	4.0	4.80	74.0	77	63.0
SB 305 400 4.8 IE3-TYP2	-	4.80	-	72	62.5
SB 325 265 3 IE3-TYP1	3.0	3.60	70.1	71	42.5
SB 325 265 3 IE3-TYP3	3.0	3.60	70.1	71	42.5
SB 375 390 5.5 IE3-TYP1	5.5	6.60	70.0	74	89.0
SB 375 390 5.5 IE3-TYP3	5.5	6.60	70.0	74	89.0
SB 390 315 4 IE3-TYP1	4.0	4.80	72.5	75	53.0
SB 390 245 3.6 IE3-TYP2	-	3.60	-	71	42.5
SB 390 315 4 IE3-TYP3	4.0	4.80	72.5	75	53.0
SB 435 340 6.6 IE3-TYP2	-	6.60	-	74	89.0
SB 470 290 4.8 IE3-TYP2	-	4.80	-	75	53.0
SB 510 200 4 IE3-TYP1	4.0	4.80	75.5	77	61.5
SB 510 200 4 IE3-TYP3	4.0	4.80	75.5	77	61.5
SB 510 390 11 IE3-TYP1	11.0	13.20	74.0	78	125.0
SB 510 390 11 IE3-TYP3	11.0	13.20	74.0	78	125.0
SB 610 175 4.8 IE3-TYP2	-	4.80	-	77	61.5
SB 605 390 13.2 IE3-TYP2	-	13.20	-	78	125.0
SB 765 280 7.5 IE3-TYP1	7.5	9.00	72.0	73	112.0
SB 765 280 7.5 IE3-TYP3	7.5	9.00	72.0	73	112.0
SB 915 260 9 IE3-TYP2	-	9.00	-	73	112.0
SB 1050 290 11 IE3-TYP1	11.0	13.20	75.0	79	125.0
SB 1050 290 11 IE3-TYP3	11.0	13.20	75.0	79	125.0
SB 1240 260 13.2 IE3-TYP2	-	13.20	-	79	125.0

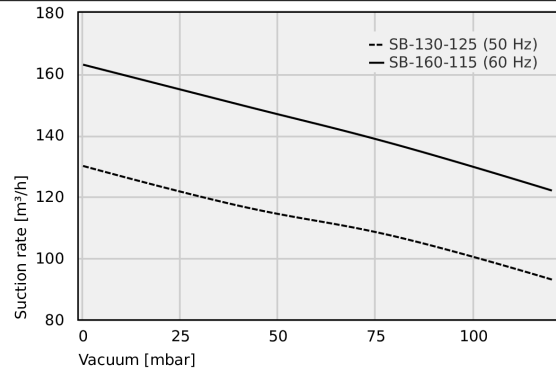
Vacuum Blowers SB

Suction rate from 75 m³/h to 1,250 m³/h

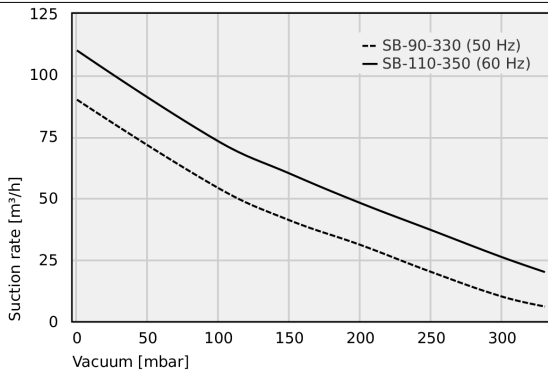
Performance data Vacuum Blowers SB



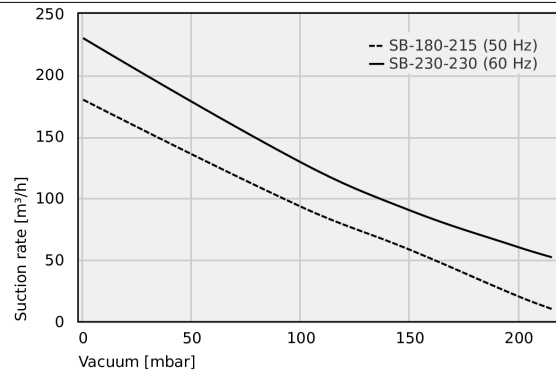
Suction rate at various degrees of evacuation



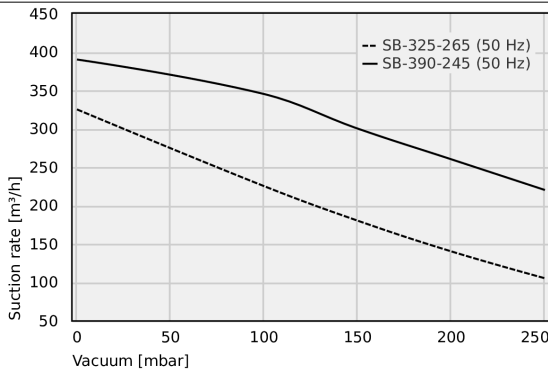
Suction rate at various degrees of evacuation



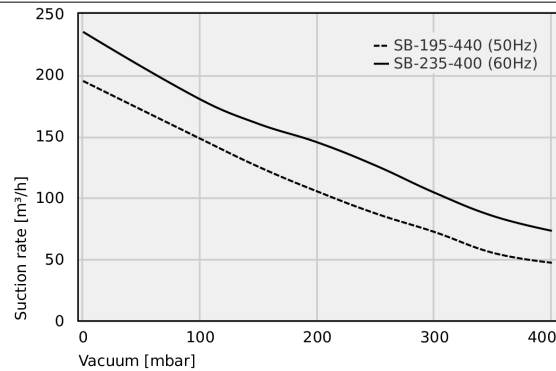
Suction rate at various degrees of evacuation



Suction rate at various degrees of evacuation



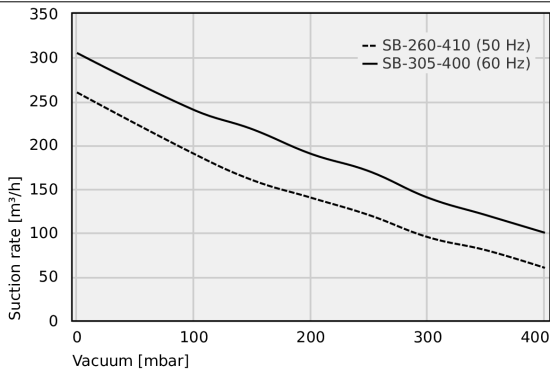
Suction rate at various degrees of evacuation



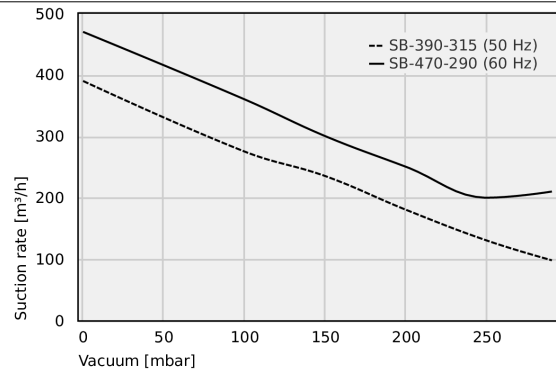
Suction rate at various degrees of evacuation

Vacuum Blowers SB

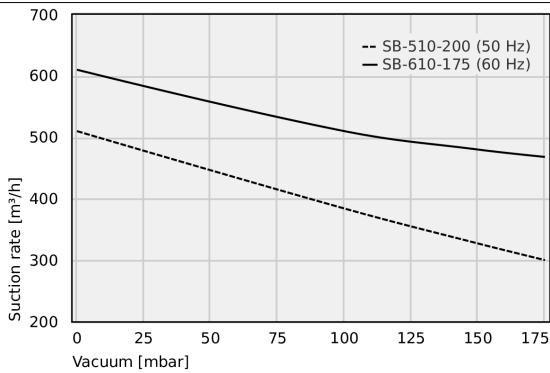
Suction rate from 75 m³/h to 1,250 m³/h



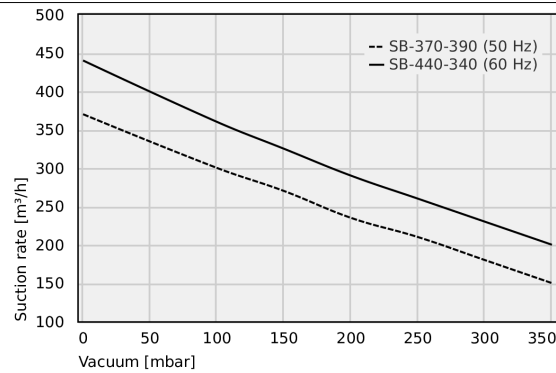
Suction rate at various degrees of evacuation



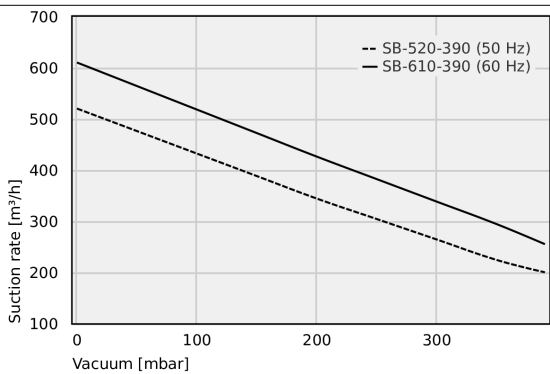
Suction rate at various degrees of evacuation



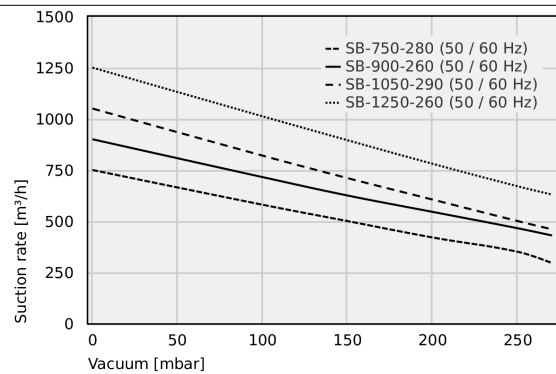
Suction rate at various degrees of evacuation



Suction rate at various degrees of evacuation



Suction rate at various degrees of evacuation



Suction rate at various degrees of evacuation

Suction rate at various degrees of evacuation

Typ	0	40	80	120
SB-75 (50 Hz)	75.00	62.00	50.00	37.00
SB-75 (60 Hz)	91.50	79.50	66.00	54.00

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Suction rate from 75 m³/h to 1,250 m³/h

	0	40	80	120
SB-130-125 (50 Hz)	130	117	107	93
SB-160-115 (60 Hz)	163	150	137	122

	0	100	150	200	250	300	330
SB-90-330 (50 Hz)	90	54	41	31	20	10	6
SB-110-350 (60 Hz)	110	73	60	48	37	26	20

	0	100	150	200	215
SB-180-215 (50 Hz)	180	93	58	20	10
SB-230-230 (60 Hz)	230	129	90	60	52

	0	100	150	200	250
SB-325-265 (50 Hz)	325	225	180	140	105
SB-390-245 (50 Hz)	390	345	300	260	220

	0	100	150	200	250	300	350	400
SB-195-440 (50Hz)	195	148	125	105	87	72	55	47
SB-235-400 (60Hz)	235	180	160	145	126	104	85	73

	0	100	150	200	250	300	350	400
SB-260-410 (50 Hz)	260	190	160	140	120	95	80	60
SB-305-400 (60 Hz)	305	240	218	190	170	140	120	100

	0	100	150	200	250	290
SB-390-315 (50 Hz)	390	275	235	180	130	98
SB-470-290 (60 Hz)	470	360	300	250	200	210

	0	100	150	175
SB-510-200 (50 Hz)	510	384	327	300
SB-610-175 (60 Hz)	610	510	480	468

	0	100	150	200	250	300	350
SB-370-390 (50 Hz)	370	300	270	235	210	180	150
SB-440-340 (60 Hz)	440	360	325	290	260	230	200

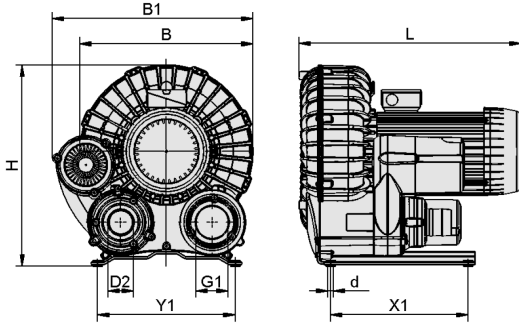
	0	100	150	200	250	300	350	390
SB-520-390 (50 Hz)	520	432	388	344	304	264	224	200
SB-610-390 (60 Hz)	610	518	472	426	382	338	294	255

	0	100	150	200	250	270
SB-750-280 (50 / 60 Hz)	750	580	500	420	350	295
SB-900-260 (50 / 60 Hz)	900	715	625	545	465	430
SB-1050-290 (50 / 60 Hz)	1050	820	710	605	500	460
SB-1250-260 (50 / 60 Hz)	1250	1012	895	780	670	630

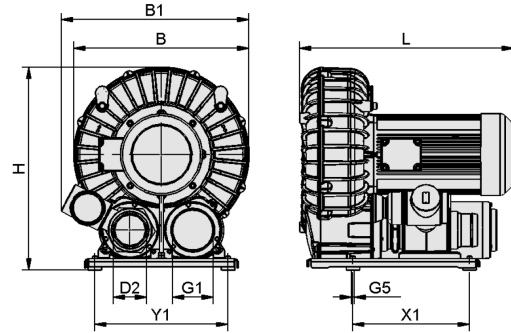
Vacuum Blowers SB

Suction rate from 75 m³/h to 1,250 m³/h

Design data Vacuum Blowers SB



SB 0.75 - 4.8



SB 5.5 - 13.2

Vacuum Blowers SB

Suction rate from 75 m³/h to 1,250 m³/h

Design data Vacuum Blowers SB

Type	B [mm]	B1 [mm]	d [mm]	D2 [mm]	G1	G5	H [mm]	L [mm]	L1 [mm]	X1 [mm]	Y1 [mm]
SB 130 125 0.75 IE3-TYP1	264	295.0	10.2	40	G1-1/2"-F	-	309	387.0	-	240	240
SB 160 115 0.9 IE3-TYP2	264	295.0	10.2	40	G1-1/2"-F	-	309	387.0	-	240	240
SB 90 330 1.5 IE3-TYP1	306	317.0	10.2	60	G1-1/2"-F	-	357	431.0	-	240	240
SB 110 350 1.8 IE3-TYP2	306	317.0	10.2	60	G1-1/2"-F	-	357	431.0	-	240	240
SB 180 215 1.5 IE3-TYP1	306	317.0	10.2	60	G1-1/2"-F	-	357	431.0	-	240	240
SB 230 230 1.8 IE3-TYP2	306	317.0	10.2	60	G1-1/2"-F	-	357	431.0	-	240	240
SB 325 265 3 IE3-TYP1	370	439.0	10.2	60	G2"-F	-	426	494.0	-	290	290
SB 390 245 3.6 IE3-TYP2	370	439.0	10.2	60	G2"-F	-	426	494.0	-	290	290
SB 195 440 3 IE3-TYP1	390	452.0	12.0	60	G2"-F	-	454	489.0	-	310	310
SB 235 400 3.6 IE3-TYP2	390	452.0	12.0	60	G2"-F	-	454	489.0	-	310	310
SB 260 410 4 IE3-TYP1	474	496.0	12.0	60	G2"-F	-	524	512.0	-	310	310
SB 305 400 4.8 IE3-TYP2	474	496.0	12.0	60	G2"-F	-	523	496.0	-	310	310
SB 390 315 4 IE3-TYP1	390	452.0	12.0	60	G2"-F	-	454	501.0	-	310	310
SB 470 290 4.8 IE3-TYP2	390	452.0	12.0	60	G2"-F	-	454	501.0	-	310	310
SB 510 200 4 IE3-TYP1	474	496.0	12.0	76	G2"-F	-	524	512.0	-	310	310
SB 610 175 4.8 IE3-TYP2	474	496.0	12.0	76	G2"-F	-	523	496.0	-	310	310
SB 375 390 5.5 IE3-TYP1	496	536.0	-	76	G4"-F	M8-F	596	562.0	-	350	400
SB 435 340 6.6 IE3-TYP2	535	535.0	-	76	G4"-F	M8-F	596	577.0	-	350	400
SB 765 280 7.5 IE3-TYP3	496	548.0	-	100	G4"-F	M8-F	596	617.0	-	350	400
SB 915 260 9 IE3-TYP2	496	548.0	-	100	G4"-F	M8-F	596	617.0	-	350	400
SB 510 390 11 IE3-TYP1	525	563.0	-	100	G4"-F	M8-F	611	643.0	-	350	400
SB 605 390 13.2 IE3-TYP2	525	563.0	-	100	G4"-F	M8-F	611	643.0	-	350	400
SB 1050 290 11 IE3-TYP1	525	563.0	-	100	G4"-F	M8-F	611	643.0	-	350	400
SB 1240 260 13.2 IE3-TYP2	525	563.0	-	100	G4"-F	M8-F	611	643.0	-	350	400
SB 75 105 0.37 IE2-TYP1	232	-	9.0	40	G1-1/4"-F	-	271	332.0	392.0	100	200