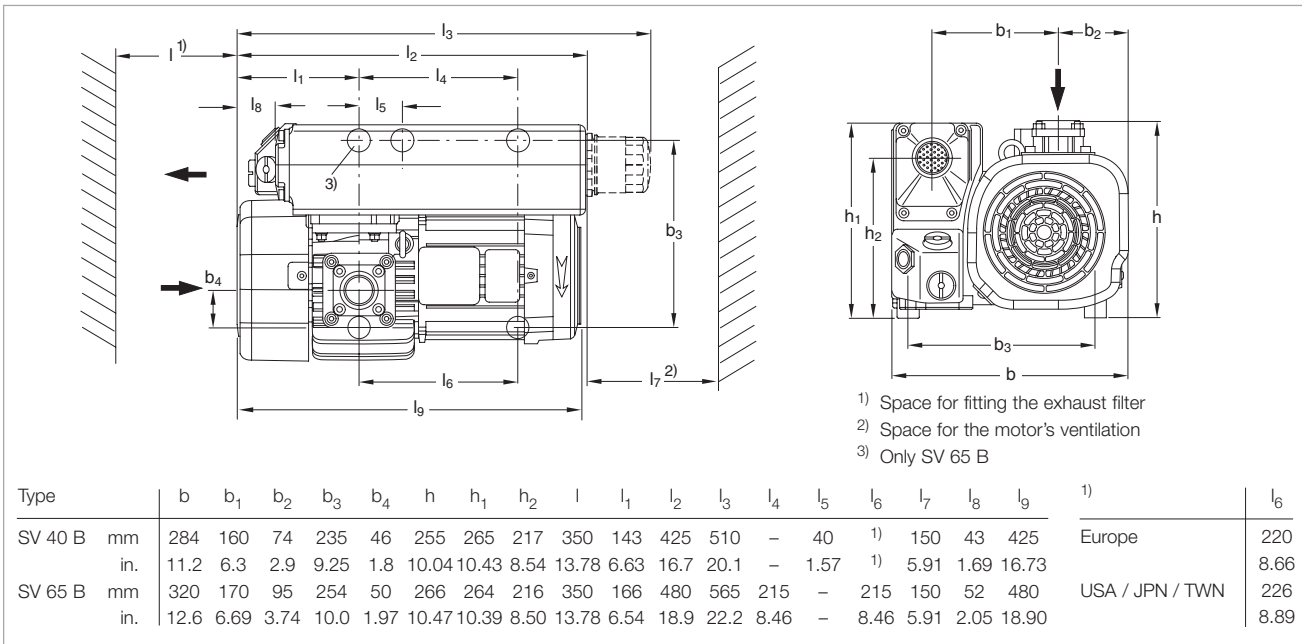


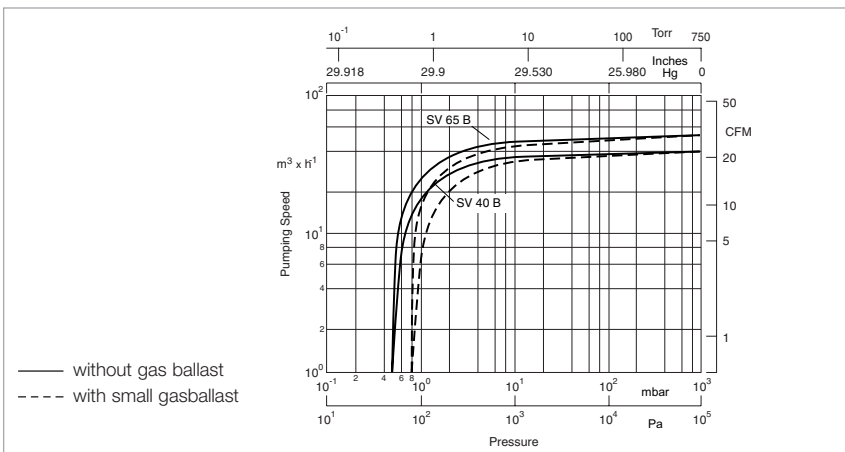
SOGEVAC SV 40 B / SV 65 B



SOGEVAC SV 65 B



Dimensional drawing for the SOGEVAC SV 40 B and SV 65 B with standard motor, European version



Pumping speed characteristics of the SOGEVAC SV 40 B and SV 65 B at 50 Hz
(60 Hz curves at the end of the section)

Technical Data

		SOGEVAC SV 40 B		SOGEVAC SV 65 B	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	44.0 (25.9)	53.0 (31.2)	59.0 (34.8)	71.0 (41.8)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	38.5 (22.7)	47.0 (27.7)	54.0 (31.8)	64.0 (37.7)
Ultimate partial pressure without gas ballast ¹⁾	mbar (Torr)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)
Ultimate total pressure ¹⁾					
with standard gas ballast ²⁾	mbar (Torr)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)
with small gas ballast ²⁾	mbar (Torr)	≤ 0.8 (≤ 0.6)	≤ 0.8 (≤ 0.6)	≤ 0.8 (≤ 0.6)	≤ 0.8 (≤ 0.6)
Water vapor tolerance ¹⁾					
with standard gas ballast ²⁾	mbar (Torr)	30.0 (22.5)	30.0 (22.5)	30.0 (22.5)	30.0 (22.5)
with small gas ballast ²⁾	mbar (Torr)	10.0 (7.5)	10.0 (7.5)	10.0 (7.5)	10.0 (7.5)
Water vapor capacity					
with standard gas ballast ²⁾					
kg x h ⁻¹ (qt/hr)		0.76 (0.80)	0.90 (0.95)	1.0 (1.1)	1.25 (1.32)
with small gas ballast ²⁾					
kg x h ⁻¹ (qt/hr)		0.28 (0.30)	0.34 (0.36)	0.36 (0.38)	0.42 (0.44)
Oil capacity	l (qt)	1.0 (1.05)	1.0 (1.05)	2.0 (2.1)	2.0 (2.1)
Mean noise level ³⁾	dB(A)	58	60	60	64
Admissible ambient temperature	°C (°F)	12 to 40 (54 to 104)	12 to 40 (54 to 104)	12 to 40 (54 to 104)	12 to 40 (54 to 104)
Motor power	kW (hp)	1.1 (1.5)	1.5 (2.0)	1.5 (2.0)	1.8 (2.5)
Nominal speed	min ⁻¹ (rpm)	1500 (1500)	1800 (1800)	1500 (1500)	1800 (1800)
Type of protection	IP	55-F	55-F	55-F	55-F
Weight (with oil filling)	kg (lbs)	43 (94.9)	45 (99.3)	49 (108.2)	52 (114.8)
Dimensions (W x H x D)	mm (in.)	425 x 284 x 265 (16.7 x 11.2 x 10.4)	425 x 284 x 265 (16.7 x 11.2 x 10.4)	480 x 320 x 264 (18.9 x 12.6 x 10.4)	425 x 284 x 265 (18.9 x 12.6 x 10.4)
Connection (inside thread) ⁴⁾					
Intake	G or NPT	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Exhaust	G or NPT	1 1/4"	1 1/4"	1 1/4"	1 1/4"

¹⁾ To DIN 28 400 and following numbers

²⁾ Ordering Information, see next page

³⁾ Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m

⁴⁾ Pumps with European and Japanese motors have G, pumps with US motors have NPT

Ordering Information

SOGEVAC SV 40 B 50/60 Hz

SOGEVAC SV 65 B 50/60 Hz

SOGEVAC SV 40 B, SV 65 B ¹⁾ with three-phase motor, without gas ballast, without oil filter 230/400 V, 50 Hz and 460 V, 60 Hz (CEI) 230 V +/- 10%, 50 Hz (CEI)	Part No. 960 300 Part No. 960 320	Part No. 960 400 -
with three-phase motor, without gas ballast, with oil filter 230/400 V, 50 Hz and 460 V, 60 Hz (CEI)	Part No. 960 302	Part No. 960 402
with three-phase motor, with small gas ballast, without oil filter 230/400 V, 50 Hz and 460 V, 60 Hz (CEI) 230/460 V, 60 Hz and 400 V, 50 Hz, NPT flanges (CEI) 230 V +/- 10%, 50 Hz (CEI) 200 V, 50/60 Hz	Part No. 960 301 Part No. 960 311 Part No. 960 321 Part No. 960 316	Part No. 960 401 Part No. 960 411 Part No. 960 421 Part No. 960 416
with three-phase motor, with small gas ballast, with oil filter 230/400 V, 50 Hz and 460 V, 60 Hz (CEI) 230/460 V, 60 Hz and 400 V, 50 Hz, NPT flanges (CEI) 240 V +/- 5%, 60 Hz (CEI) 200 V, 50/60 Hz	Part No. 960 303 Part No. 960 313 Part No. 960 323 Part No. 960 318	Part No. 960 403 Part No. 960 413 Part No. 960 423 Part No. 960 418
with three-phase motor, with standard gas ballast, without oil filter 230/400 V, 50 Hz and 460 V, 60 Hz (CEI) 230/460 V, 60 Hz and 400 V, 50 Hz, NPT flanges (CEI) 340 - 440 V, 50 Hz (CEI) 200 V, 50/60 Hz	Part No. 960 305 Part No. 960 312 Part No. 960 322 Part No. 960 317	Part No. 960 405 Part No. 960 412 Part No. 960 422 Part No. 960 417
with three-phase motor, with standard gas ballast, with oil filter 230/400 V, 50 Hz and 460 V, 60 Hz (CEI) 230/460 V, 60 Hz and 400 V, 50 Hz, NPT flanges (CEI) 380 - 480 V, 60 Hz (CEI) 200 V, 50/60 Hz	Part No. 960 307 Part No. 960 314 Part No. 960 324 Part No. 960 319	Part No. 960 407 Part No. 960 414 Part No. 960 424 Part No. 960 419
Other voltages/frequencies ²⁾ Filling with special oil ²⁾	upon request upon request	upon request upon request
Exhaust filter cartridge	Part No. 714 21 180	Part No. 714 17 300
Maintenance kit	Part No. 9 714 27 660	Part No. 9 714 23 440
Repair kit	Part No. 9 714 27 650	Part No. 714 20 420
Oil filter ³⁾	Part No. 714 20 980	Part No. 714 20 980

¹⁾ Pumps with European and Japanese motors have G,
pumps with US voltages motors have NPT

²⁾ Please indicate when ordering a pump

³⁾ Not included in maintenance kit