

oerlikon
leybold vacuum

SOGEVAC

SV40 BI

Single-stage, oil-sealed
Rotary Vane Vacuum Pumps



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Advantages of SOGEVAC BI single-stage rotary vane vacuum pumps:

- integrated exhaust filter
- integrated oil recovery system and anti suckback valve
- extremely low noise level
- high reliability
- different gas ballast versions available

The new SOGEVAC SV40 BI offer:

- improved ultimate pressure stability
- high pumping speed stability even at low pressures
- low maintenance intervals

Applications

- mass spectrometry
- freeze drying
- laboratory
- car industry
- lamps and bulbs...

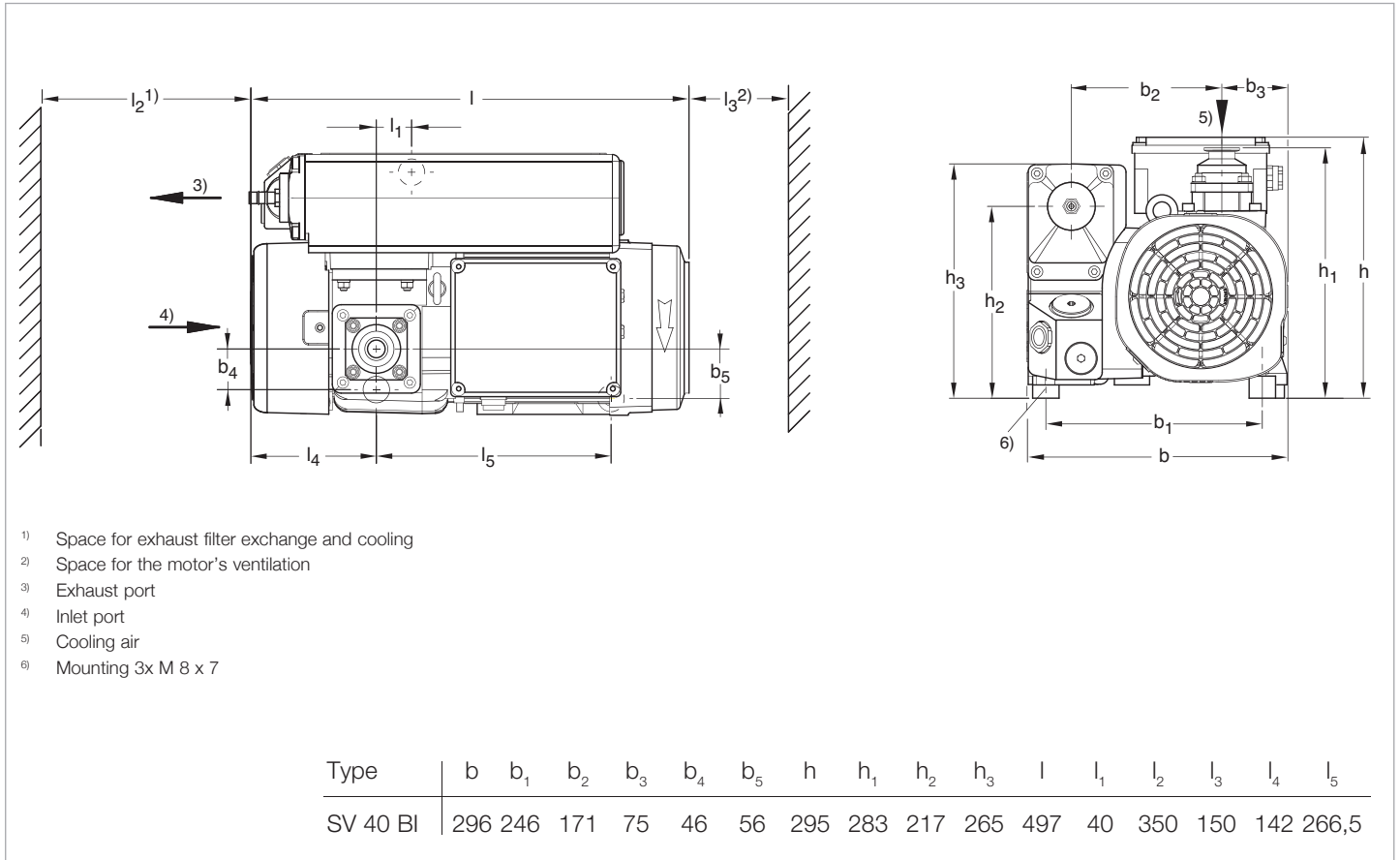
Ordering Information

Cat. No.	Type	Power Supply
960 330	SV40 BI	with 3-phase motor without gas ballast 230/400 V, 50 Hz 460 V, 60 Hz
960 331	SV40 BI	with 3-phase motor with small gas ballast 230/400 V, 50 Hz 460 V, 60 Hz
960 341	SV40 BI	with 3-phase motor with small gas ballast 400V, 50 Hz 230/460 V, 60 Hz

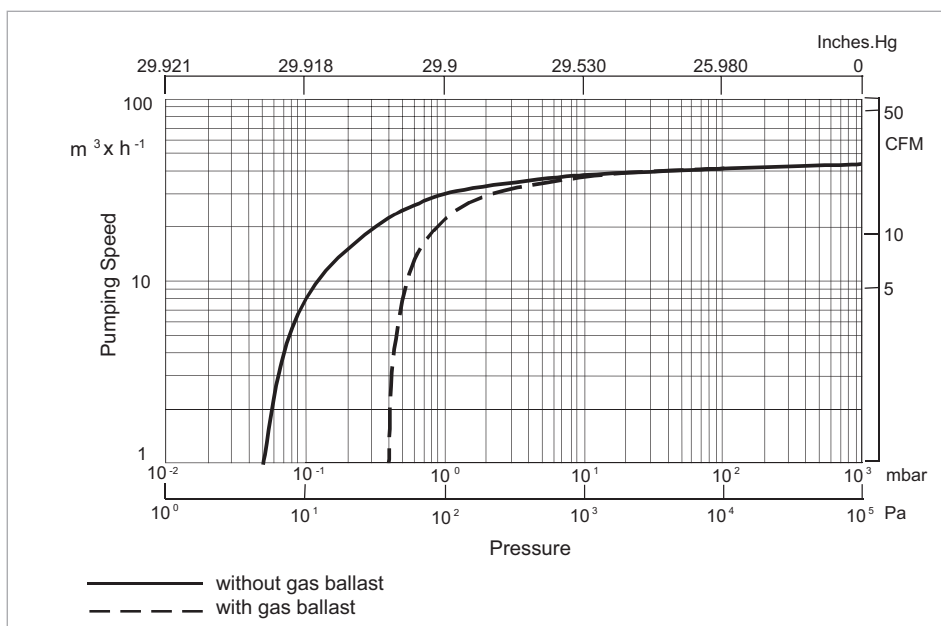
Other voltages / frequencies upon request

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Dimensional drawing for the SOGEVAC SV 40 BI with standard single-phase motor, European version (dimensions for three-phase motor smaller)



Pumping speed characteristics of the SOGEVAC SV 40 BI at 50 Hz

Technical Data

SOGEVAC SV40 BI rotary vane vacuum pumps		50 Hz	60 Hz
Nominal pumping speed	m ³ ·h ⁻¹	42	50
Pumping speed (according to PNEUROP)	m ³ ·h ⁻¹	40	48
Ultimate partial pressure without gas ballast	mbar	≤ 5·10 ⁻²	
Ultimate total pressure with gas ballast	mbar	≤ 0.5	
Water vapor tolerable load with gas ballast	kg·h ⁻¹	0.28	0.34
Motor power	kW	1.1	1.3
Mains voltage and frequency	V	«see Ordering Information»	
Rated rotational speed	min ⁻¹	1500	1800
Noise level	dB(A)	59	62
Protection - Insulation		IP-55 F	
Leak rate	mbar·l·s ⁻¹	≤ 1·10 ⁻³	
Oil capacity	l	1	
Net weight (with oil filling)	kg	43	45
Intake connection		40KF	
Exhaust connection		40KF	

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