

**oerlikon**  
leybold vacuum

# **SOGEVAC SV300 B**

Single-stage, oil-sealed  
Rotary Vane Vacuum Pumps



# SOGEVAC Rotary Vane Pumps

## SV300 B



### Advantages of SOGEVAC 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 SV300 B offers:

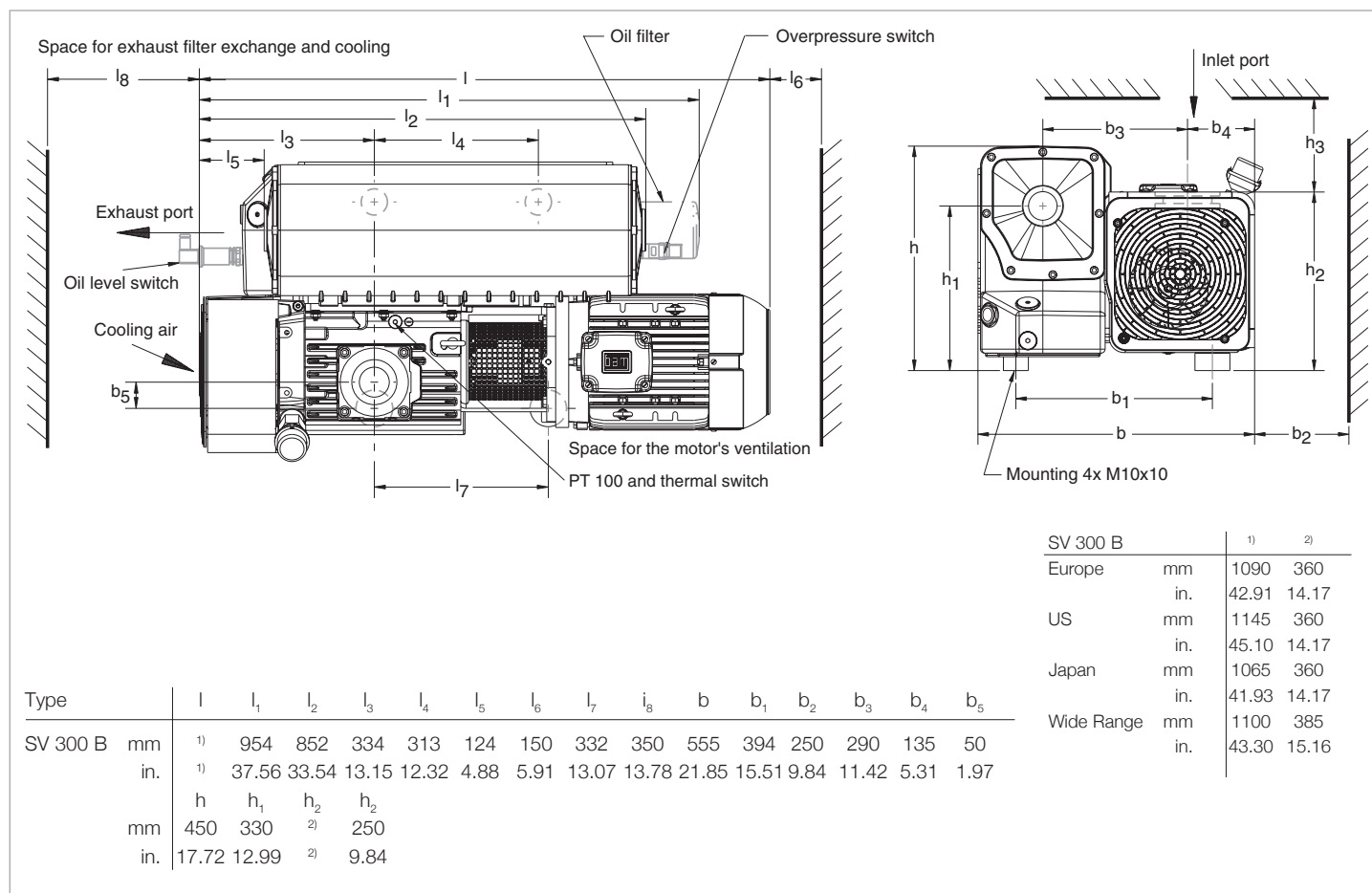
- improved ultimate pressure stability
- lower operating temperature
- low maintenance intervals
- pot design vacuum generation
- internal transfer lubrication

### Ordering Information

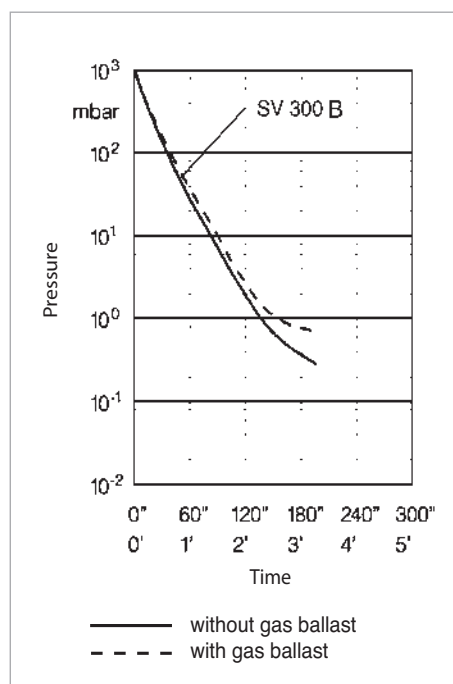
Cat. No.	Type / Power Supply
<b>960 700</b>	SV300 B with 3-phase motor - CEI with oil filter 230/400 V, 50Hz - 460V, 60Hz
<b>960 701</b>	SV300 B with 3-phase motor - CEI with oil filter - with small gas ballast 230/400 V, 50Hz - 460V, 60Hz
<b>960 702</b>	SV300 B with 3-phase motor - CEI with oil filter - with standard gas ballast 230/400 V, 50Hz - 460V, 60Hz
<b>960 703</b>	SV300 B with 3-phase motor - CEI with oil filter - with big gas ballast 230/400 V, 50Hz - 460V, 60Hz
<b>960 706</b>	SV300 B with 3-phase motor - NEMA with oil filter - with small gas ballast 208 V +/-10%, 230/460V +/-10%, 60Hz - 400V +/-10% , 50Hz
<b>960 707</b>	SV300 B with 3-phase motor - NEMA with oil filter - with standard gas ballast 208 V +/-10%, 230/460V +/-10%, 60Hz - 400V +/-10% , 50Hz
<b>960 708</b>	SV300 B with 3-phase motor - NEMA with oil filter - with big gas ballast 208 V +/-10%, 230/460V +/-10%, 60Hz - 400V +/-10% , 50Hz
<b>960 711V</b>	SV300 B with 3-phase motor - JIS with oil filter - with small gas ballast 200 V +10%/-15%, 50/60Hz
<b>960 712</b>	SV300 B with 3-phase motor - JIS with oil filter - with standard gas ballast 200 V +10%/-15%, 50/60Hz
<b>960 713V</b>	SV300 B with 3-phase motor - JIS with oil filter - with big gas ballast 200 V +10%/-15%, 50/60Hz

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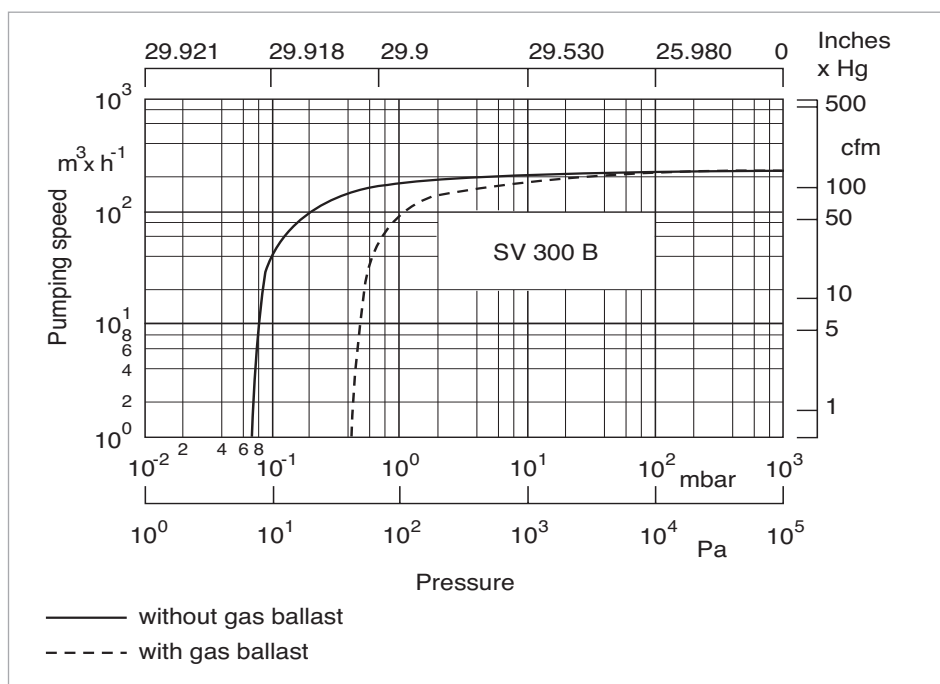
## SV300 B



Dimensional drawing for the SOGEVAC SV 300 B, European version



Pump-down characteristics of a 1000 l vessel at 50 Hz



Pumping speed characteristics of the SOGEVAC SV 300 B at 50 Hz

# Technical Data

<b>SOGEVAC SV300 B rotary vane vacuum pumps</b>		<b>50 Hz</b>	<b>60 Hz</b>
Nominal pumping speed	$\text{m}^3 \times \text{h}^{-1}$	280	340
Pumping speed (according to PNEUROP)	$\text{m}^3 \times \text{h}^{-1}$	240	290
Ultimate partial pressure without gas ballast	mbar	$\leq 8 \times 10^{-2}$	
Ultimate total pressure with standard gas ballast	mbar	$\leq 0.7$	
Water vapor tolerable load with standard gas ballast, max.	$\text{kg} \times \text{h}^{-1}$	6.0	8.0
Motor power	kW	5.5	6.3
Mains voltage and frequency	V	«see Ordering Information»	
Rated rotational speed	$\text{min}^{-1}$	1450	1750
Noise level	dB(A)	70	74
Protection - Insulation		IP-55 F	
Leak rate	$\text{mbar} \times \text{l} \times \text{s}^{-1}$	$\leq 1 \times 10^{-3}$	
Min / max oil capacity	l	8.5 / 11.5	
Oil type		LVO 130 / LVO 210	
Net weight (with oil filling)	kg	220	225
Ambient temperature	°C	12 - 40	
Intake connection Exhaust connection		G2"	

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