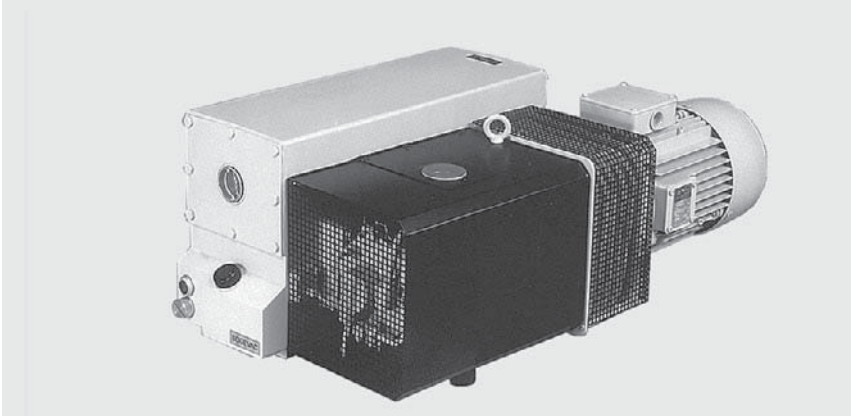
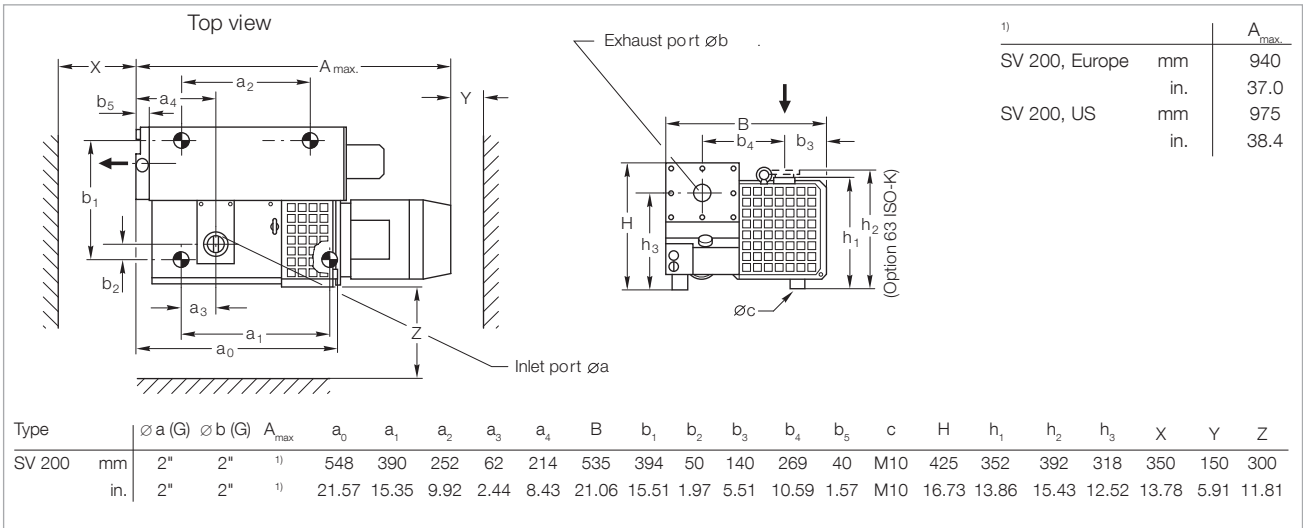


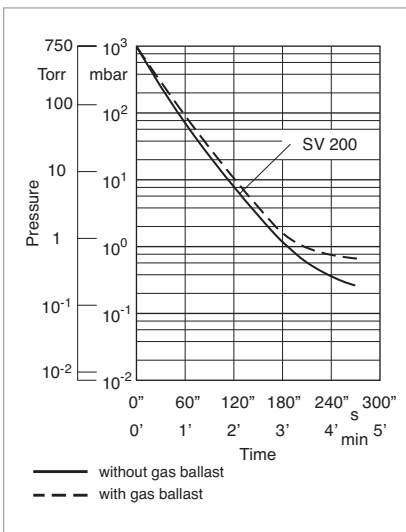
SOGEVAC SV 200



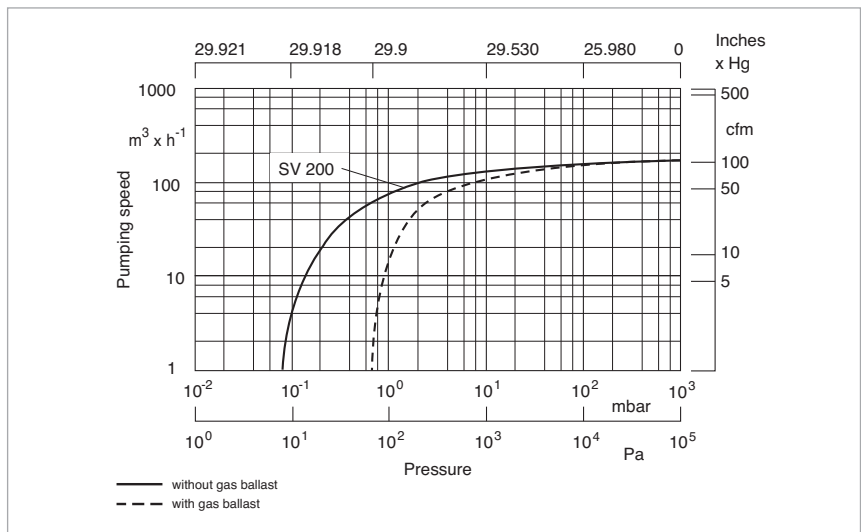
SOGEVAC SV 200



Dimensional drawing for the SOGEVAC SV 200, European version



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



Pumping speed characteristics of the SOGEVAC SV 200 at 50 Hz (60 Hz curves at the end of the chapter)

Technical Data**SOGEVAC SV 200**

		50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	180 (106.0)	220 (129.5)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	170 (100.1)	200 (117.8)
Ultimate total pressure without gas ballast ¹⁾	mbar (Torr)	≤ 8 x 10 ⁻² (≤ 6 x 10 ⁻²)	≤ 8 x 10 ⁻² (≤ 6 x 10 ⁻²)
Ultimate total pressure with gas ballast ¹⁾	mbar (Torr)	≤ 0.7 (≤ 0.5)	≤ 0.7 (≤ 0.5)
Water vapor tolerance with standard gas ballast ¹⁾	mbar (Torr)	30.0 (22.5)	40.0 (30.0)
with big gas ballast ²⁾	mbar (Torr)	50.0 (37.5)	50.0 (37.5)
Water vapor capacity with standard gas ballast	kg x h ⁻¹ (qt/hr)	3.4 (3.6)	5.4 (5.7)
Oil capacity, min. / max.	l (qt)	5.0 (5.3) / 9.0 (9.5)	5.0 (5.3) / 9.0 (9.5)
Noise level ³⁾	dB(A)	69	73
Admissible ambient temperature	°C (°F)	12 to 40 (54 to 104)	12 to 40 (54 to 104)
Motor power	kW (hp)	4.0 (7.5)	4.6 (7.5)
Nominal speed	min ⁻¹ (rpm)	1450 (1450)	1750 (1750)
Type of protection	IP	55	TEFC/55 ⁴⁾
Materials (materials in contact with the gas)		Steel, cast iron, Aluminium, FPM (FKM), Glass, Polyamid 6.6, Filter material (Polymers, Paper), Epoxy resin & Glass fibre	Steel, cast iron, Aluminium, FPM (FKM), Glass, Polyamid 6.6, Filter material (Polymers, Paper), Epoxy resin & Glass fibre
Weight (with oil filling)	kg (lbs)	140 (309)	160 (353)
Connections ⁵⁾			
Intake, Thread	G or NPT	2"	2"
Exhaust, Thread	G or NPT	2"	2"

¹⁾ To DIN 28 400 and following numbers

²⁾ Ordering Information see Chapter "Accessories"

³⁾ Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m (3.5 ft)

⁴⁾ CEI motor (Europe) 50/60 Hz has IP 55, NEMA motor (North and South America) has TEFC

⁵⁾ Pumps with European and Japanese motors have G, pumps with US (NEMA) motors have NPT