

Data sheet

Screw compressor
for bulk trucks



SKL / SKL LS

Screw compressor, gear box version

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Overview



CVS develops and manufactures compressors specifically designed for installation in trucks. The development is made in close collaboration with our customers. This guarantees the optimum product for your application.

The oil free screw compressor

The oil free screw compressor SKL/SKL LS with gear box was developed especially for the high requirements on mounting in bulk trucks.

Contact person



Roger Homberger

Head of Sales

+49 (0) 7623 71 741-24

+49 (0) 151 72 13 01 81

roger.homberger@cv-eng.de



Patrick Zettler

Sales

+49 (0) 7623 71 741-23

+49 (0) 162 25 25 694

patrick.zettler@cv-eng.de



Helen Kreissl

Internal Sales

+49 (0) 7623 71 741-21

helen.kreissl@cv-eng.de

■ Features

- High quality screw compressors from CVS for reliable discharge
- Unique and robust design guarantee long lasting performance and high operating hours.
- Compact and light-weight design for higher payload on the tanker

Screw compressors with system

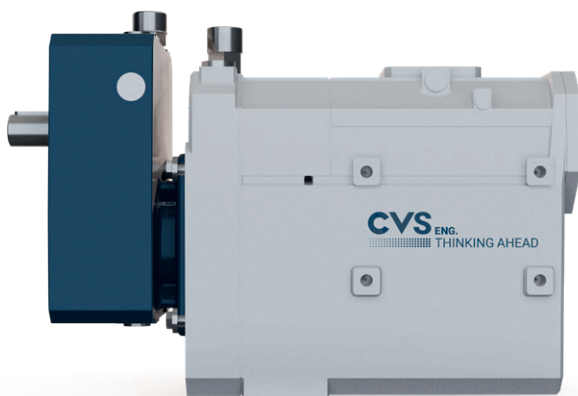
The volume flow rate of the SKL/SKL LS with gear box ranges from 385 up to 1050 m³/h at input drive speeds (please view technical data). The especially developed design of screw ensures increased efficiency and low discharge air temperatures with low noise operation.

Technical subject to alteration

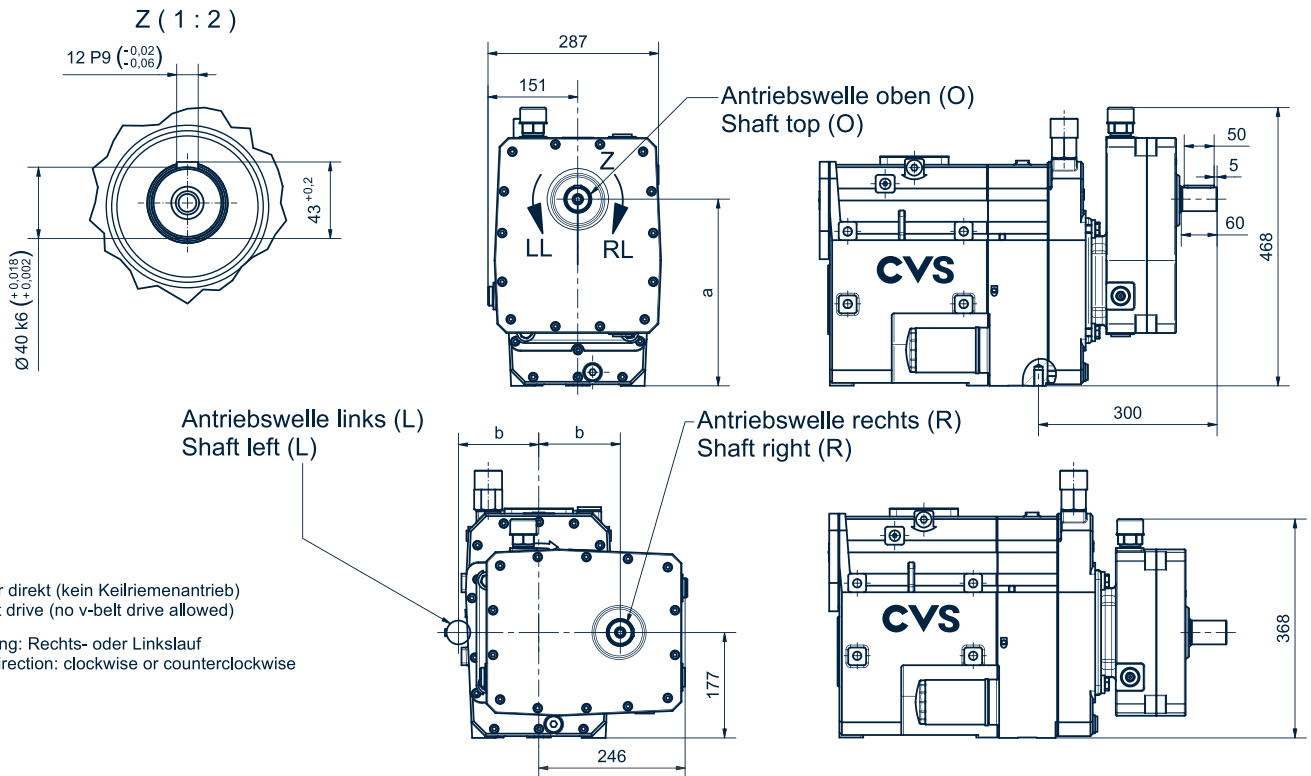


■ Advantages

- Option of two gearbox ratios: 1:2 and 1:2.5 (only left running)
- Clockwise or counter-clockwise rotation
- Wide drive speed range
- Input drive shaft can be mounting in vertical or horizontal orientations



Dimensions



Antrieb nur direkt (kein Keilriemenantrieb)
Only direct drive (no v-belt drive allowed)

Drehrichtung: Rechts- oder Linkslauf
Rotating direction: clockwise or counterclockwise

Übersetzung ratio	Drehrichtung Rotation direction	a (mm)	b (mm)	Zulässige Lage der Antriebswelle Valid location of the shaft		
2	(RL) rechtslauf / clockwise	314	137	O	R	---
2	(LL) linkslauf / counterclockwise	307	130	O	R	L
2,5	(LL) linkslauf / counterclockwise	307	130	O	R	L

Technical data

		SKL 700 / SKL 700 LS		SKL 1100 / SKL 1100 LS	
Suction volume flow at free air delivery	m³/h	420	650	550	1050
Suction volume flow at 2 bar g	m³/h	385	600	490	980
Max. over pressure	bar g	2.5	2.5	2.5	2.5
Speed range:					
with gear box 1:2	rpm	1200 – 1800 / 975 – 1465		1000 – 1800 / 815 – 1465	
with gear box 1:2.5		960 – 1440 / 780 – 1172		800 – 1440 / 652 – 1172	
Power requirement at 2 bar g	kW	22.5	33.5	29.0	52.5
Weight	kg	152 / 159		165 / 172	

Technical subject to alteration