

SCK

Rotary Screw Compressors



SCK 41-100

ALUP
Kompressoren



ALUP's heritage

Founded in Germany in 1923, the company derives its name of the automotive products that were manufactured in the Köngen' mechanical workshop where ALUP came into existence: Auto-LUft-Pumpen. Only two years later, the first range of piston compressors was being developed, whilst in 1980 rotary screw compressors were added to the product offer.

Over time, experience grew and innovation prospered, leading to today's high quality product portfolio. As such, the name ALUP Kompressoren has become synonymous with innovative technology blended with a strong sense of tradition.

Today, ALUP Kompressoren is still operating out of its home town Köngen, where everything started in 1923.



Driven by technology Designed by experience

Discover what happens when a passion for technology is fused with hands-on industrial experience. Designs evolve towards more practical installation and maintenance, giving you the freedom to focus on your job. Product ranges include the exact machine you need, with the right options for your performance needs. Return on investment is ensured, while your carbon footprint shrinks. And, because we stay close to our customers, we're one step ahead when your needs change.

The range that meets all your requirements

With the SCK range you obtain an efficient, reliable and complete solution which fits a wide range of compressed air requirements.

A wide offer

- Available power sizes: from 30 up to 75 kW.
- 3 pressure variants for fixed speed.
- Compact footprint.

Quality design

- In-house designed air ends with unique screw profile.
- Easy to use in-house designed controller.
- Efficient cooling system to keep the main components cool and as such extend the lifetime.

Easy accessibility and maintenance

- The panels on the four sides of the compressor are completely removable and provide easy access for service.
- The vertical Poly V belt transmission ensures better performance and easy belt tensioning.
- Long service intervals

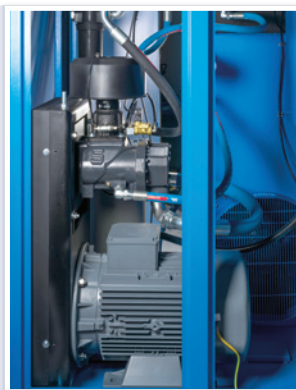
www.alup.com

The right fit for each customer

Check out these innovative features of the SCK 41-100 range and see how they provide you with a complete offer: performance, easy maintenance and a low noise level.

In-house designed air ends

In-house designed air ends provide high performance and high efficiency.



Poly V transmission

- Reduced bearing stress.
- Compactness.
- Better efficiency.
- Better energy consumption.
- 12,000 hours lifetime.

Silent and comfortable operation

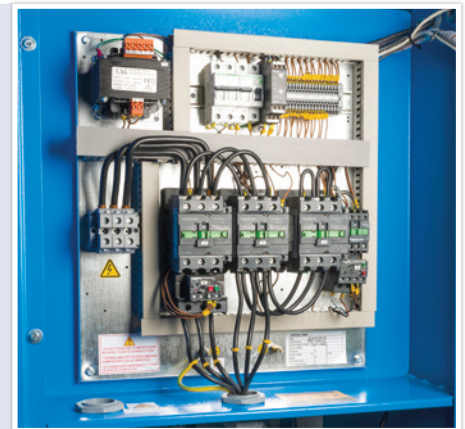
Thick noise-attenuating foam is applied inside of all panels, corners and roof. Together with a new silent axial fan this ensures silent and comfortable operation.





Perfection down to the smallest detail

Clean and structured design of the electrical panel for optimum performance.

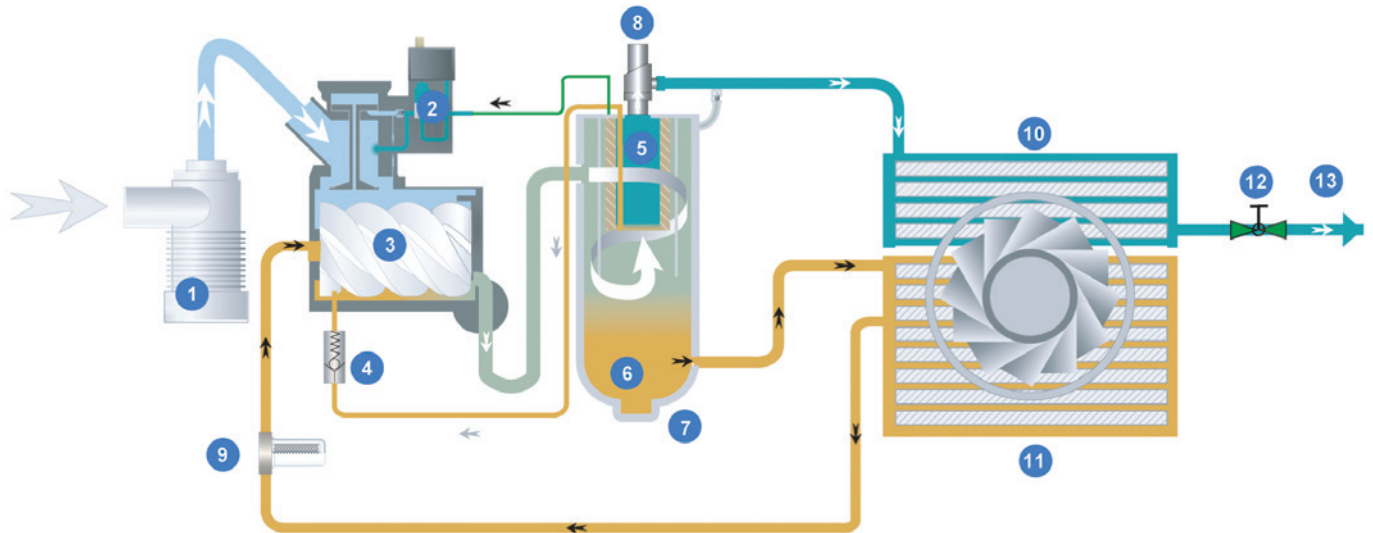


Efficient cooling

The high-efficiency cooling block lowers the outlet air temperature to only 10°C higher than ambient temperature, also ensuring a low oil temperature.



How does the SCK work?



- Control
- Incoming air
- Oil
- Compressed air
- Control

- 1. Air filter
- 2. Inlet valve
- 3. Air end
- 4. Oil recovery valve
- 5. Air/oil separator cartridge
- 6. Oil
- 7. Oil tank
- 8. Minimum pressure valve
- 9. Oil filter
- 10. Air/air exchanger
- 11. Oil radiator
- 12. Ball valve
- 13. Air outlets



Technical specifications

FIXED SPEED	Motor power		Free Air Delivery @ reference conditions*						Noise level
			8 bar		10 bar		13 bar		
Model	kW	hp	m³/h	l/s	m³/h	l/s	m³/h	l/s	dB(A)
SCK 41	30	40	248	69	217	60	189	53	74
SCK 50	37	50	319	89	297	83	254	71	75
SCK 51	37	50	369	103	321	89	246	68	75
SCK 60	45	60	426	118	366	102	318	88	75
SCK 75	55	75	546	152	474	132	396	110	76
SCK 100	75	100	744	207	648	180	552	153	76

* Performance measured according to ISO 1217, Annex C, last edition.



	Length	Width	Height	Weight
Model	mm	mm	mm	kg
SCK 41	1195	920	1590	580
SCK 50	1195	920	1590	600
SCK 51	1195	920	1590	655
SCK 60	1300	1020	1765	920
SCK 75	1300	1020	1765	1000
SCK 100	1550	1325	1800	1325



DRIVEN BY TECHNOLOGY DESIGNED BY EXPERIENCE



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ALUP REPRESENTATIVE



Care. Trust. Efficiency.

Care.

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

Trust.

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

Efficiency.

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.

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