

SCK

Air Compressors



SCK 41-100

ALUP
Kompressoren

ALUP

Driven by technology. Designed by experience.

ALUP Kompressoren has over 85 years of industrial experience. It is our ambition to offer compressed air solutions that ensure we are first in choice for our customers. To reach this goal we need continuous investment in our product development to make sure that we are always able to offer:

- High performance and excellent quality
- Solid, simple & smart solutions
- Full energy efficiency
- Advanced reliability
- Environmental care



The power of the SCK range

SCK 41-100 screw compressors provide high-quality compressed air for a range of industrial applications. Focus on four main pillars makes them stand out:

Simple Installation

- Innovative design: compact, all-in-one system.
- Placement with forklift (2 lifting points) or transpallet (1 lifting point).
- No special foundation needed.

Solid Quality

- Outstanding, first-class components.
- High-quality and long-lasting belts.
- Highly reliable belt tensioning system for excellent performance.
- Separate oil and air coolers, less thermal shocks and a longer lifetime.
- Perfect air filtration and cooling.
- High-quality and heavy duty motor.



Easy Maintenance and Accessibility

- All service components located at the front of the machine for excellent accessibility.
- Easy access for service or cleaning which is a one person job.

Saving Costs

- Less repair costs & lower maintenance costs.
- Optimal efficiency & lower energy consumption.



The range that meets all your requirements

In the SCK 41-100 range you can find the right compressor model to match your precise requirements.

The output you require

- Models available from 40 to 100 hp.
- 3 pressure variants per compressor.

The performance you are looking for

- Designed for harsh conditions and ambient temperatures up to 40°C.

The energy efficiency you need

- SCK uses load/unload technology for a base load where you need continuous maximum air output.

The options you need

- Air Control 5.1 graphic controller.
- Tropical thermostatic valve.



Fixed speed control - Load-unload regulation

A load/unload compressor delivers a constant air capacity. The net pressure is controlled by an inlet valve operating the compressor in a load/unload cycle. In case the set pressure is reached, the compressor turns into unload mode (by closing the inlet valve). When the pressure value drops below a specific level, the compressor starts up the same routine.



Energy audit

To optimize your energy efficiency, you need to select the right compressor. Contact your local ALUP representative and we will perform a simulation based on your parameters to help you get the perfect compressed air solution.

One package – multiple benefits

Check out these innovative features of the SCK 41-100 range and see how they provide you with high efficiency, ease of maintenance, low noise levels and outstanding cooling.

Improved efficiency



Belt driven transmission

- High-quality and long-lasting belts.
- Highly reliable belt tensioning system for excellent performance.
- Easy maintenance and simple installation.
- The standard in the industry.



Same motor manufacturer for all models

- Standard, efficient IE2 motor.
- Optional IE3 motor for enhanced compressor efficiency.



In-house designed elements

- High performance (energy/Free Air Delivery).



Air Control controller

- Intelligent unload cycles.
- Constant pressure follow-up.
- Automatic restart after power failure.



Lower noise level



Axial fan

- Low power consumption & reduced noise levels.
- High-efficiency cooling flow.
- Long lifetime of oil, components and compressor.



Standard enclosed intake filter

- Low noise thanks to design and position of filter.
- Air intake in cold part of the compressor for improved FAD.
- High filtration quality.





Ease of maintenance



Solid inlet baffle

- Small installation footprint: the unit can be placed against a wall.
- Fitted with insulation foam to reduce noise.
- Optimized air flow for improved cooling.
- Protection against touching the fan.



Innovative canopy

- Servicing doors mounted with removable hinges, robust door locks.
- Soundproof insulation material on all canopy parts.
- Small footprint.
- Protection bolts for trouble-free transportation (with a pallet and forklift).



Inhouse designed oil separator vessel

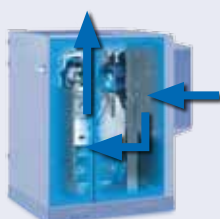
- Integrated minimum pressure valve (MPV) eliminates risk of leakage.
- Long lifetime thanks to cast iron parts.
- Designed for optimal oil separation.

Better cooling



Separate oversized coolers

- Separate oil and air cooler for high-quality cooling and long lifetime of the coolers.
- Gliding rails for easy and safe removal.
- Easy access for cleaning.



Improved motor cooling

- Separate cooling flow.
- Suitable for harsh conditions.

Options to optimize your operations



A wide range of options enables you to get the most out of your SCK 41-100 compressor.

- Air Control 5.1 graphic controller offering multiple clock settings for multiple pressure bands adapted to the air consumption. It comes with a full-colour easy-to-use screen & extended communication possibilities.
- IE3 motor increases compressor efficiency, resulting in lower energy consumption and cost savings.
- Main power switch, in addition to the standard emergency stop button.
- Remote monitoring for additional convenience.
- Wooden box for overseas transport.
- Tropical thermostatic valve for use in humid and hot conditions.
- ES 4/6i integrated multiple compressor control for 4/6 compressors.
- Silencing baffle.

For further information on how our options can optimize your operations, please contact your local representative.



Technical specifications

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions *			Motor power		Noise level**	Cooling air volume	Compressed air output diameter	Weight
	bar	bar	m³/h	l/s	cfm	kW	hp	dB(A)	m³/h	"	kg
SCK 41	8	7.5	294	82	173	30	40	69	5400	1 1/2	748
	10	9.5	259	72	153	30	40	68	5400		
	13	12.5	208	58	122	30	40	68	5400		
SCK 50	8	7.5	367	102	216	37	50	70	5760	1 1/2	832
	10	9.5	332	92	196	37	50	69	5760		
	13	12.5	255	71	150	37	50	69	5760		
SCK 60	8	7.5	467	130	275	45	60	71	7200	1 1/2	862
	10	9.5	409	114	241	45	60	70	7200		
	13	12.5	343	95	202	45	60	70	7200		
SCK 75	8	7.5	522	145	307	55	75	71	9000	2"	1073
	10	9.5	475	132	280	55	75	70	9000		
	13	12.5	425	118	250	55	75	70	9000		
SCK 100	8	7.5	691	192	407	75	100	74	12600	2"	1280
	10	9.5	605	168	356	75	100	73	12600		
	13	12.5	533	148	314	75	100	73	12600		

* Unit performance measured according to ISO 1217, Annex C, latest edition

** Noise level measured according to ISO 2151 with optional baffle

Dimensions

	Length	Width	Height
	mm	mm	mm
SCK 41 - 60	1507	1060	1630
SCK 75	1680	1060	1630
SCK 100	1920	1060	1630





DRIVEN BY TECHNOLOGY DESIGNED BY EXPERIENCE



CONTACT YOUR LOCAL
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