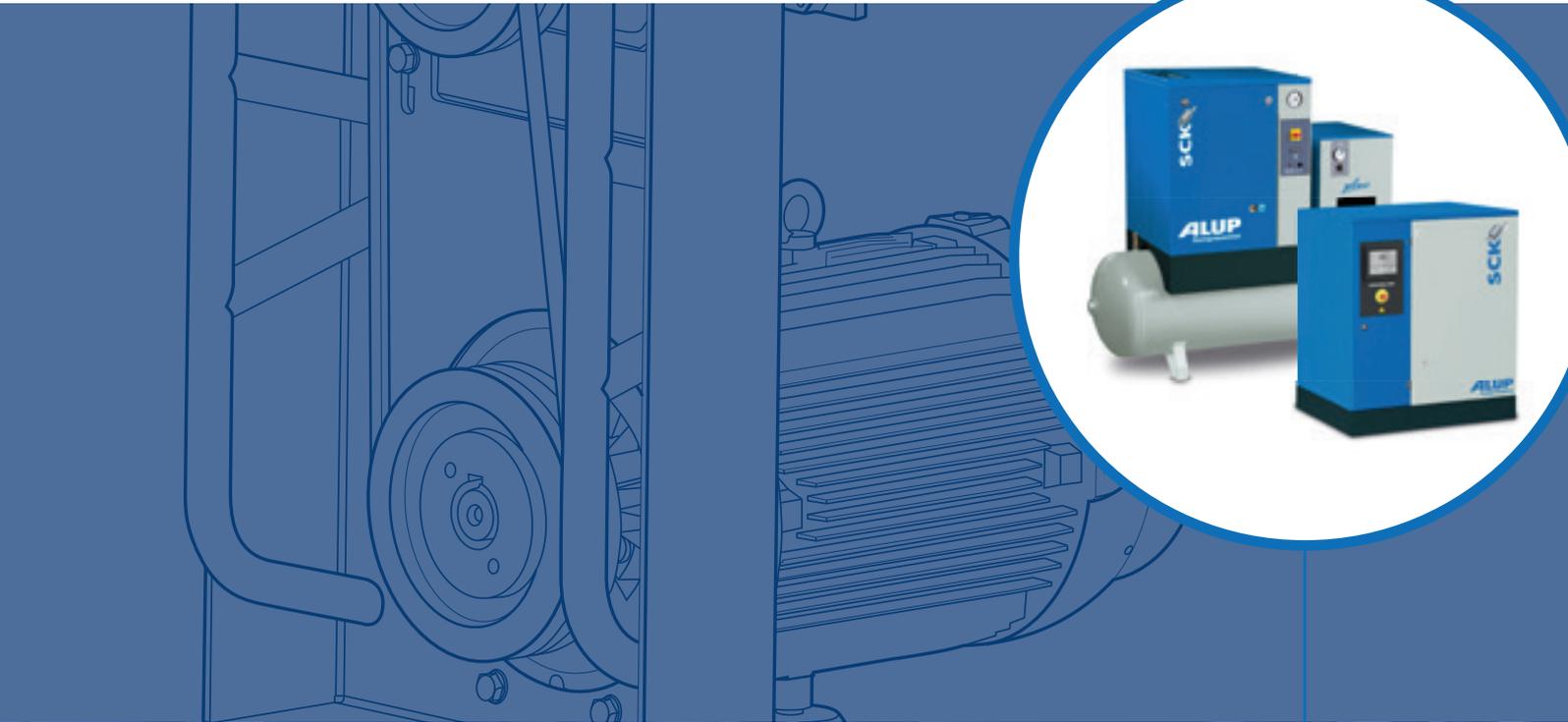


# SCK

## Air Compressors



SCK 3-40 & ALLEGRO 8-11

**ALUP**  
Kompressoren



## Alup

Driven by technology. Designed by experience.

*Alup Kompressoren has 90 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 continuously invest in our product development to make sure that we are always able to offer:*

- High performance and excellent quality
- Integrated engineered solutions
- Full energy efficiency
- Total cost of ownership
- Environmental care

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## The power of the SCK range

*The SCK is a wide range of fixed speed belt driven compressors. Thanks to high energy efficiency, a very low noise level and a large offer of possible configurations (with or without options), the SCK is an ideal choice.*

### Improve your air quality and save money!

The SCK is available from 3 up to 30 hp installed on an air receiver with or without dryer and from 5.5 to 40 hp floor-mounted with dryer. From 20 hp onwards, tank-mounted compressors are always with dryer. These configurations will allow you to:

- Save installation costs.
- Reduce risk of air leakages.
- Save on installation space thanks to the compact footprint.
- Improve the air quality and reduce maintenance thanks to the coalescent filter.



### Smart controllers at your service!

From 5.5 hp onwards, the SCK comes with Air Control controllers installed. These are:

- Easy to read and intuitive to use.
- True energy savers with intelligent load-unload cycle control.
- Easy to be programmed with the working time you need (Air Control 5.1).
- Available with hardwire digital input and outstanding communication features.



## The range that meets all your requirements

*With the SCK 3-40 range you obtain an efficient, reliable and complete solution which fits a wide range of compressed air requirements.*

### A wide offer

- Power size available from 3 up to 40 hp.
- 3 pressure variants starting from 8 hp.
- The full range up to 30 hp is available installed on an air vessel with refrigerant dryers. From 5.5 to 40 hp, the SCK is also available floor-mounted with fully integrated dryer.
- An inverter driven version (Allegro) is available for 8 and 11 kW to improve your compressor room efficiency even more.

### High efficiency air filtration & oil separation

- Thanks to the two micron encapsulated filters only clean air can enter the element improving the overall reliability.
- There is less than 3 ppm oil carry over thanks to the cyclonic separation and the oversized air-oil separator filter ensuring an improved compressed air quality.

### Great accessibility

- Easy to service thanks to the easy removable panels.
- Low maintenance costs.
- Easy to move and transport thanks to forklift holes on the floor-mounted machine.

### The options you need

- Filters for the dryer version will allow you to improve the air quality.
- Food grade oil for oil sensitive installations (food and beverages).
- Graphic controller from 5.5 hp for easy and more intuitive set-up of your compressor.
- Forklift stirrups for flexible handling of tank-mounted units.



### Energy audit

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



# The right solution for all your compressed air needs!

The SCK is available floor-mounted, tank-mounted and tank-mounted with dryer. Air receivers are 200, 270 and 500 lt capacity. With this large variety of versions and models, the SCK sets a new standard for operational power, quality, operation safety, service life and user comfort.

## User benefits

### Safe and fast servicing

- Ideal positioning of maintenance components.
- Reduced maintenance costs.

### Improved efficiency

- Highly efficient and well tested air ends grant you total peace of mind.
- Reduced energy consumption thanks to Eff1 electric motor class F on insulation, IP55 protection (from SCK 6).
- Oil separator designed to ensure minimal pressure drop and oil carry over of less than 3 ppm.

### Compact design

- Tank-mounted solution to save space.
- Oversized integrated refrigerant dryer simplifies your installation and ensures high quality compressed air.
- The zero loss drain allows the removal of condensate without wasting compressed air resulting in significant energy savings.

### User comfort

- Very low noise level allows installation of the machine close to the workplace.
- Easy oil level check via external oil level sight glass.
- Fluent serviceability possible due to easily removable panels.

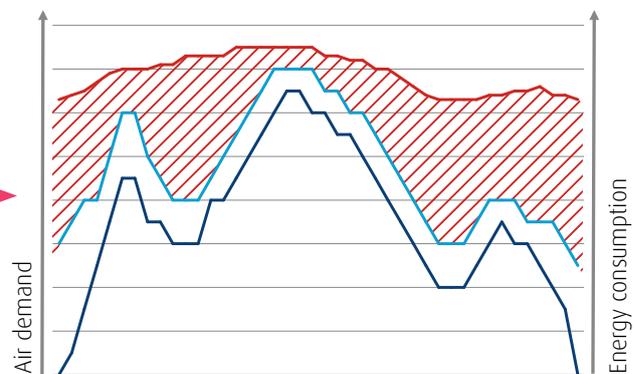
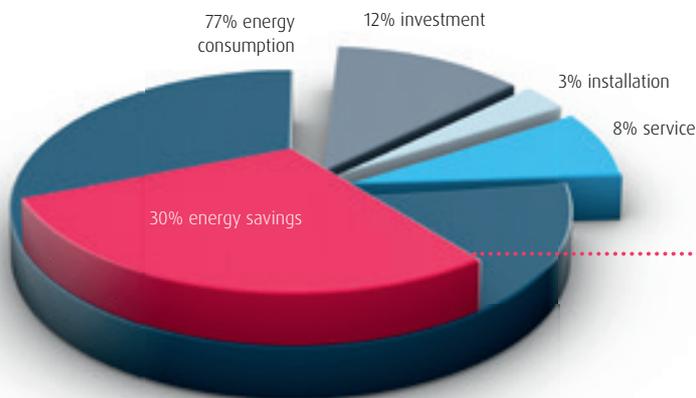
### At your service, also in very harsh conditions

- Efficient filtration.
- Generous fan.
- Big cooler ensuring a better cooling flow.



## A complete solution suitable to satisfy your air demand

Energy costs represent about 70% of the total operating cost of your compressor over a 5 year period. That is why reducing the operating cost of a compressed air system is a major focus. The Allegro, relying on inverter driven technology, can cut the energy bill of your compressor by up to 30%!



— Air demand  
— Variable frequency driven costs  
— Load/unload costs  
▨ Savings



The Allegro 8-11 reduces the energy consumption in the following ways:

- The variable frequency driven compressor (inverter technology) guarantees a fixed set of pressure operations and matches air supply with air demand.
- No unload cycles above 20% load.
- No current peak due to soft start.

Only one version is available from 6 to 13 bar.

# OPTIMIZE YOUR OPERATIONS



## Air Control 5.0

- Standard on SCK 6-15 and SCK 16-40. Not available for Allegro 8-11
- Icon based display action
- Led status visualization:
  - o Alarm
  - o Service needed
  - o Automatic operation
  - o Power on
- Digital I/O
- Remote start stop, load-unload, emergency stop.
- Automatic restart after a power failure
- Service indicator and fault management provide comprehensive messages to ease service diagnostics.
- Visualization through web browser using a simple Ethernet connection



## Air Control 5.1 (Graphic)

Optional on SCK 6-15 and SCK 16-40. Not available for Allegro 8-11. Air Control 5.1 (Graphic) in addition to Aircontrol 5.0 provides the following functionalities:

- User-friendly screens, data logging and storage on a memory card.
- Connectivity to ensure efficient pressure regulation when combining a variable speed and fixed speed compressor.
- Stop/start timers do not rely on the operator's action to save energy, but program the Air Control 5.1 controller to operate as your factory operates.
- Dual pressure band time scheduling for operation with different pressure bands, leading to energy savings.
- Air Control 5.1 Graphic functions as a master control to all other fixed speed compressors in the room, harmonizing their operations (licence key is needed, to be requested upon purchasing).

## Available options

- Thanks to the forklift stirrups, you can easily move and position the SCK in the compressor room.
- To improve your air quality you can complete your installation with the oil filter or the water cyclonic separator
- For food and beverage applications or where oil contamination can threaten the production process, food grade oil will be the right solution for you.

For more precise information regarding options availability, please contact your customer center reference.



# Technical data

Fixed speed	Max. working pressure	Free Air Delivery <sup>1</sup>			Motor power		Noise level <sup>2</sup>	Dimensions FM			Weight	Configurations				
								Length	Width	Height		FM	Receiver			Plus
Model	bar	m <sup>3</sup> /min	l/s	cfm	kW	hp	dB(A)	mm	mm	mm	kg	200	270	500		
SCK 3	8	7.5	0.3	5.0	10.6	2.2	3	61	620	605	950	99	X	X	-	X*
	10	9.5	0.24	4.0	8.5											
SCK 4	8	7.5	0.44	7.3	15.6	3	4	61	620	605	950	103	X	X	-	X*
	10	9.5	0.32	5.3	11.3											
SCK 5	8	7.5	0.56	9.3	19.8	4	5.5	62	620	605	950	105	X	X	-	X*
	10	9.5	0.47	7.8	16.6											
SCK 7	8	7.5	0.7	11.7	24.7	5.5	7.5	64	620	605	950	110	X	X	-	X*
	10	9.5	0.6	10.0	21.2											
SCK 9	8	7.5	1.01	16.8	35.7	7.5	10	66	620	635	975	160	X	X	-	X*
	10	9.5	0.92	15.3	32.5											
SCK 6	8	7.5	0.6	10.0	21.2	4	5.5	59	965	662	1045	185	-	X	X	X
	10	9.5	0.5	8.3	17.7											
SCK 8	8	7.5	0.83	13.8	29.3	5.5	7.5	60	965	662	1045	195	-	X	X	X
	10	9.5	0.69	11.5	24.4											
SCK 10	8	7.5	1.17	19.5	41.4	7.5	10	61	965	662	1045	215	-	X	X	X
	10	9.5	1	16.7	35.3											
SCK 15	8	7.5	1.7	28.3	60.1	11	15	61	965	662	1045	256	-	X	X	X
	10	9.5	1.43	23.8	50.5											
SCK 16	8	7.5	1.82	30.3	64.3	11	15	62	1330	780	1220	460	-	-	X**	X
	10	9.5	1.58	26.3	55.8											
SCK 20	8	7.5	2.38	39.7	84.1	15	20	63	1330	780	1220	470	-	-	X**	X
	10	9.5	2.12	35.3	74.9											
SCK 25	8	7.5	2.91	48.5	102.9	18.5	25	68	1330	780	1220	490	-	-	X**	X
	10	9.5	2.62	43.7	92.6											
SCK 30	8	7.5	3.59	59.8	126.9	22	30	68	1330	780	1220	496	-	-	X**	X
	10	9.5	3.1	51.7	109.6											
SCK 40	8	7.5	3.97	66.2	140.3	30	40	69	1330	780	1220	542	-	-	-	X
	10	9.5	3.54	59.0	125.1											
SCK 40	13	12.5	2.98	49.7	105.3											

\* Available only installed on air receiver

\*\* Available only with integrated dryer

Variable speed	Max. working pressure	Free Air Delivery at reference conditions <sup>1</sup>								Motor power		Noise level <sup>2</sup>	Dimensions FM			Weight	Configurations			
		Min FAD		Max FAD				Length	Width				Height	FM	Receiver			Plus		
		m <sup>3</sup> /h	cfm	m <sup>3</sup> /h	cfm	m <sup>3</sup> /h	cfm								m <sup>3</sup> /h		cfm		200	270
Model	bar	7 bar	13 bar	7 bar	10 bar	13 bar	kW	hp	dB(A)	mm	mm	mm	kg	200	270	500				
Allegro 8	6-13	22	13	65	38	63	37	53	31	7.5	10	61	965	662	1045	257	-	X	X	X
Allegro 11	6-13	16	9	101	59	94	55	83	48	11	15	61	965	662	1045	271	-	X	X	X

<sup>1</sup> Unit performance measured according to ISO 1217, Annex C, latest edition.

<sup>2</sup> Noise level measured according to ISO 2151 2004.





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