

Screw compressors SCK 3 – 40

Capacity:
0.24 – 3.97 m³/min



SCK

The SCK logo graphic is a stylized, metallic-looking screw or rotor, positioned to the right of the 'SCK' text.

Products, Concepts, Solutions

Built on the needs of the customer

For almost 100 years, we at ALUP have produced quality air compressors.

With our innovative system concepts we offer customised solutions for almost all applications.

Our endeavour lies not only in supplying compressors, we offer ourselves as a

competent system provider, who is able to offer solutions to all users of compressed air.

That does not only apply to the consultation and installation phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.

Made by Experience!



Screw compressors

- constant speed
2.2 – 500 kW/
4 – 13 bar
- variable speed
controlled and
direct drive
7.5 – 260 kW /
4 – 13 bar
- oil-free, with
water injection
15 – 55 kW/
4 – 13 bar



Piston compressors

- oil-free,
up to 10 bar
0.75 – 12 kW
- for normal
pressure up
to 10 bar
1.5 – 15 kW
- for medium
pressure up
to 15 bar
1.5 – 15 kW
- for high pressure
up to 40 bar
2.2 – 45 kW
- as a booster for an
input pressure up
to 15 bar and an
output pressure
up to 40 bar
2.2 – 30 kW



Blower

- at constant and
fixed speed
0.1 – 250 kW
50 – 1000 mbar



Turbo compressors

- upon
request



Complete accessories

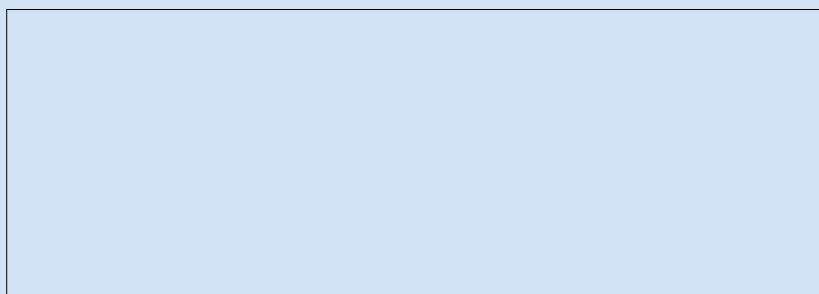
- refrigeration
dryers
0.27 – 100 m³/min
- desiccant dryers
0.08 – 145 m³/min
- activated carbon
adsorbers
0.08 – 145 m³/min
- filters,
all particle sizes
0.5 – 225 m³/min
- complete
condensate
management up to
120 m³/min



Control,
regulate,
monitor

- lead-lag control
- consumption-
dependant
control
- visualisation
(we bring your
compressed air
to the PC)
- tele-monitoring
(the hotline of
your compressed
air station)

Your specialist



www.alup.com

ALUP
Kompressoren



ORIGINAL PART

Intelligence, Innovation, Reliability

The ALUP SCK range

small, compact, powerful

great diversity of variants

super sound insulation as standard feature

optimal system efficiency



Pictures displayed:
SCK 3 –9

Maximum benefits for our customers:

This premise holds true for everyone at ALUP.

Our products benefit from the latest techniques in research and development and are manufactured according to ISO 9001.

Customer satisfaction and quality is our highest priority.

They fulfil all acceptance criteria according to ISO 1217 – 3 annex C.

Numerous variations and options allow these products to be installed in nearly every compressed air application. In addition, special versions can also be offered.



Assembly, technique, highlights



Pictures displayed: SCK 16 – 40



- **Air end**
excellent efficiency over the entire control range
- **Air intake external filtration foam**
Dust protection for internal components ensuring maximum lifetime and reliability. Easy to clean.
- **High efficiency encapsulated air filter**
Protection of the screw element thanks to a 2 µm pleated filtration media against small dust particles. Air supplied from cold area for improved compression efficiency.
- **Oil filter and air/oil separator cartridge**
Easy removal for quick servicing. Ensuring less than 3 ppm of oil content in the compressed air. Extending network filter protection and reduced service costs (oil refill).
- **Aluminium combined Air/Air and Air/Oil cooler**
Mounted on roof for easy ducting. Sized to ensure low oil temperature and low compressed air temperature even in maximum ambient conditions.
- **Oil tank**
Vertical vessel for initial gravity separation. Oil sight glass visible through canopy and drain valve on oil outlet for easy and quick servicing.
- **Cooling turbine**
Improved efficiency compared to a conventional fan and very low noise levels.
- **Electric motor**
Class F, IP55 for protection – greased for life – protected by thermal relay – for improved energy savings.
- **Pulley-belt assembly**
Guided alignment for efficiency. Easy tensioning system.
- **Electronic controller Air Control 4**
User friendly and comprehensive information on a text display for SCK 6 – 40.



Type	Air flow according to ISO 1217 (annex C-1996)			Motor power kW	Length mm	Width mm	Height mm	Weight kg	Options Receiver			
	8 bar (m³/min)	10 bar (m³/min)	13 bar (m³/min)						200	270	500	plus
SCK 3	0.30	0.24	-	2.2	620	605	950	99	x	x	-	x*
SCK 4	0.44	0.32	-	3	620	605	950	103	x	x	-	x*
SCK 5	0.56	0.47	-	4	620	605	950	105	x	x	-	x*
SCK 7	0.70	0.60	-	5.5	620	605	950	110	x	x	-	x*
SCK 9	1.01	0.92	-	7.5	620	635	975	160	x	x	-	x*
SCK 6	0.60	0.50	-	4.0	965	662	1045	185	-	x	x	x
SCK 8	0.83	0.69	0.50	5.5	965	662	1045	195	-	x	x	x
SCK 10	1.17	1.00	0.80	7.5	965	662	1045	215	-	x	x	x
SCK 15	1.70	1.43	1.20	11.0	965	662	1045	256	-	x	x	x
SCK 16	1.82	1.58	1.19	11	1280	780	1555	460	-	-	x	x
SCK 20	2.38	2.12	1.61	15	1280	780	1555	470	-	-	x	x
SCK 25	2.91	2.62	2.12	18.5	1280	780	1555	490	-	-	x	x
SCK 30	3.59	3.10	2.54	22	1280	780	1555	496	-	-	x	x
SCK 40	3.97	3.54	2.98	30	1280	780	1555	542	-	-	-	x

* available only on receiver



Air Control 4

ALUP Air Control

The microprocessor controls for safe monitoring of all functions.

Control, regulate, monitor, earlywarning and in "extreme cases" – failure diagnosis – these are the main tasks for the "brain" of your compressor, a standard feature of all our screw compressors.



Compatibility, flexibility, diversity

The SCK 3 – 40 series is designed so that the units can be employed in a great variety of ways and applications.

You can install this series:

■ ... as standard compressor



Pictures displayed: SCK 6 – 15

In any case, the series sets new standards for its power class with regard to quality, operational safety, service life and user comfort.

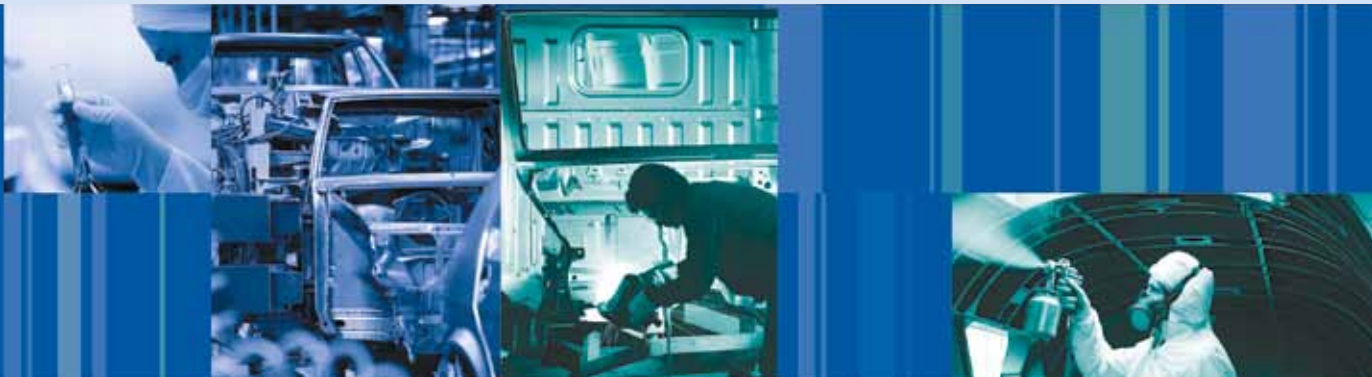
■ ... with integrated refrigeration dryer



■ ... mounted on a tank



■ ... mounted on a tank with refrigeration dryer



intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere