

Screw compressors

SCK 51 - 271

Capacity:

4,6 – 30,15 m³/min



SCK 

Intelligence, Innovation, Reliability

In the end, power is what counts

economical supply of compressed air

high-quality compressed air

compact and service-friendly

easy to install

intelligent microprocessor sequence control



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.

They fulfil all acceptance criteria according to ISO 1217 – 3 annex C – 1996 and conform to the CE-guidelines.

Even the most stringent conditions, such as DET NORSKE VERITAS, GERMANISCHER LLOYD, BUREAU VERITAS, LLOYD'S REGISTER OF SHIPPING, ABS among others, are for us at ALUP a matter of course.



Assembly, Technique, Highlights



- 1 Separating system**
highest compressed air quality through proven multi-stage separation
- 2 Air control**
the intelligence of the compressor; thinks, monitors, records (available in two versions)
- 3 Drive system**
highly efficient, operationally reliable V-belt drive
- 4 Air end**
high performance, excellent efficiency

- 5 Cooling unit**
large surface-area radiators for lowest compressed air outlet temperatures and optimum thermostat-controlled coolant temperatures
- 6 Fan**
powerful, efficient, high-performance
- 7 Drive motor**
Robust drive motor with reserves

Drive system



Compressor rotors



Switch cabinet



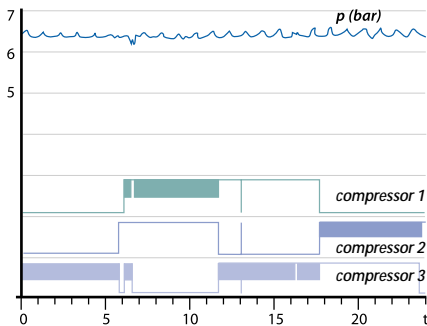
Data, Facts, Analysis



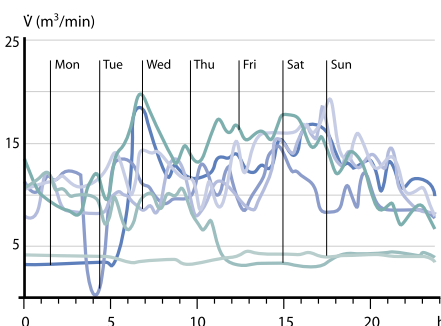
Typ	air flow according to ISO 1217 (annex C-1996)			motor power	length	width	height	weight
	8 bar (m ³ /min)	10 bar (m ³ /min)	13 bar (m ³ /min)	kW	mm	mm	mm	kg
SCK 51	5,97	5,57	4,60	37	1520	850	1355	830
SCK 61	8,07	7,04	5,50	45	1520	850	1355	900
SCK 76	9,37	8,60	7,00	55	1610	850	1355	1000
SCK 102	11,86	10,40	9,10	75	1520	850	1355	1050
SCK 101	12,90	11,45	10,00	75	2300	1400	1525	1925
SCK 121	15,53	13,54	11,90	90	2300	1400	1525	2000
SCK 151	18,24	16,06	14,25	110	2300	1400	1525	2300
SCK 181	20,47	18,04	16,00	132	2300	1400	1525	2400
SCK 221	26,84	24,65	21,18	160	2300	1400	1525	3200
SCK 271	30,15	28,84	24,95	200	2300	1400	1525	3450

air and water-cooled model available
 intermediate pressure levels upon request, gradation in intervals of 1 bar,
 various systems of heat utilization available

Operating conditions/pressure
 Day profile



Air flow
 Week profile



In typical installation as shown there is an enormous energy saving potential!

Decisions can be made only on the basis of facts. Therefore:
First analyse, then decide.

This is reason enough to allow the specialists from ALUP to determine your current compressed air consumption, and with the help of accurate measurements, develop the optimum system solution together with you.



Concepts, Systems, Solutions

We offer more than just compressed air...



Worldwide service

- service by professional employees
- original spare parts, always on standby for delivery



Engineering

- research
- design
- system planning



Telemonitoring

- supervise your entire compressed air station from anywhere by means of global data communication



Environmental protection

- heat utilizing systems
- most modern preparatory processing available



Visualization

- online monitoring of your whole compressed air station



Accessories

- extensive choice of accessories for complete system solutions

... we welcome your challenge!



Products, Concepts, Solutions

Built on the needs of the customer

For almost 100 years we from ALUP have produced quality compressors.

With our innovative system concepts we offer customised solutions for almost all ranges of application.

Our endeavour lies not only in supplying compressors, we offer ourselves as a competent system provider, who is able to offer a solution from the compressed air producer to the last compressed air consumer.

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

Challenge us!



Screw compressors

- Constant speed
4 – 400 kW/5-13 bar
- Variable speed controlled and direct drive
30 – 250 kW/5-13 bar
- Oil-free, with water injection
4 – 250 kW/5-10 bar



Piston compressors

- Oil-free up to 10 bar
0,75-4,0 kW
- For normal pressure up to 10 bar
1,1 – 22 kW
- For medium pressure up to 15 bar
1,1 – 22 kW
- For high pressure up to 35 bar
3,0 – 11 kW
- As a Booster for an input pressure up to 15 bar and an output pressure up to 40 bar
2,2 – 15 kW



Complete Accessories

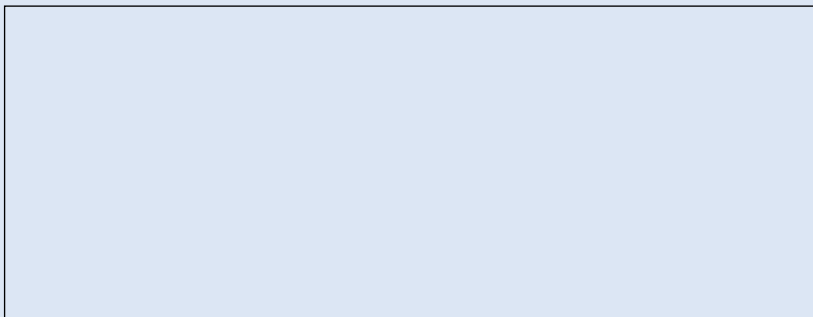
- Refrigeration dryers
0,16 – 145 m³/min
- Desiccant dryers
0,08 – 145 m³/min
- Activated carbon adsorbers
0,08 – 145 m³/min
- Filters, all particle sizes
0,08 – 380 m³/min
- Complete Condensate management
up to 120 m³/min



Control, regulate, monitor

- Lead-lag control
- consumption-dependant control
- Visualisation (we bring your compressed air station to the PC)
- Tele monitoring (the Hot-line of your compressed air station)

Your competent consultant



ALUP
Kompressoren

www.alup.com

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