

# Save, Save, Save

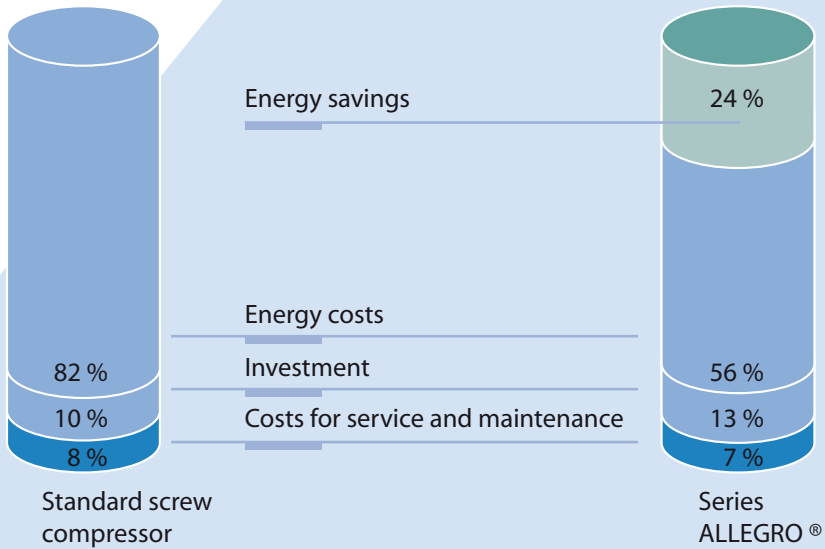
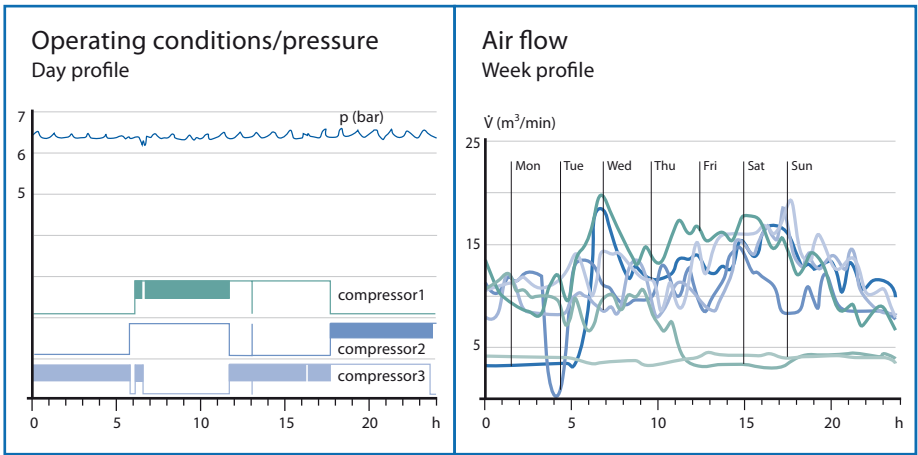
In typical installations as shown there is an enormous energy-saving potential!

Only on the basis of facts can decisions be made. 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.

The directly driven, speed-controlled ALLEGRO® together with the also directly driven LARGO form an unbeatable "energy-saving duo".

**Average total cost comparison of a screw compressor, averaged over 5 years**



**Do you have money to throw away?**



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

# 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 5.5 – 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](http://www.alup.com)

**ALUP**  
Kompressoren



**ALUP**  
Kompressoren

Variable speed rotary screw air compressors

Series ALLEGRO®

Capacity:  
0.23 – 42.10 m³/min



Leaflet\_ALLEGRO\_GB\_06/08 - errors and omissions excepted





Intelligence, Innovation, Reliability

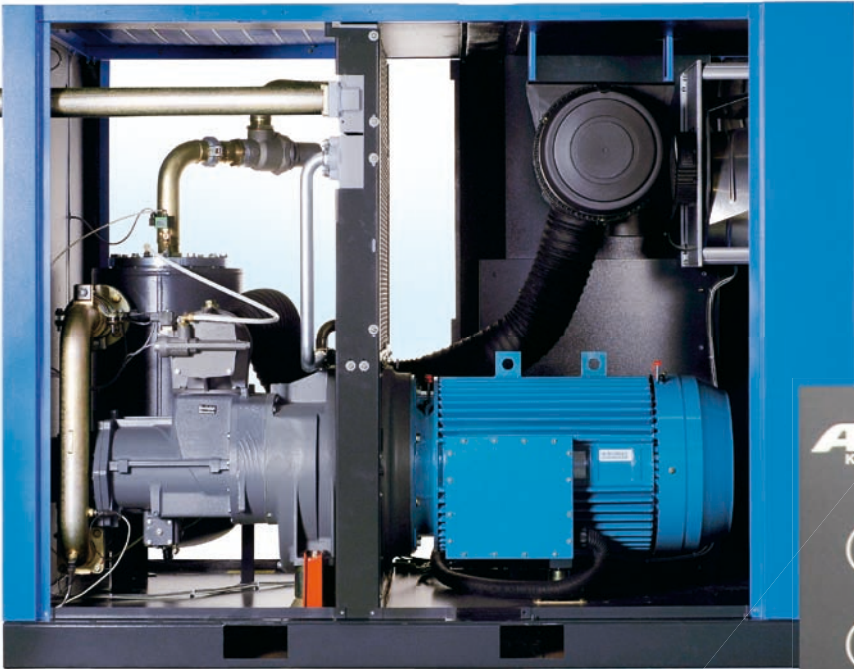
Energy savings up to 35% through SCD technology:

- variable speed controlled
- constant net pressure – infinitely variable from 5 to 13 bar
- extremely high efficiency
- elimination of high starting current and star delta change surge
- no expensive wasted energy for idle running



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



Air Control 4

- Air end**  
excellent efficiency over the entire control range
- SCD frequency converter**  
the integrated power package, selfevident according to EMV guidelines
- SCD motor**  
high-efficiency drive motor, enclosure IP 55, optimum efficiency up to 96%
- SCD direct drive**  
loss-free power transmission, maximum cost-savings
- Separating system**  
highest compressed air quality through proven multi-stage separation
- Cooling unit**  
large surface area radiators for lowest compressed air outlet temperatures and optimum thermostat-controlled coolant temperatures
- Fan**  
powerful, efficient, high-performance
- Air Control**  
the intelligence of the compressor. Thinks, monitors, records



Compatibility, Flexibility, Energy savings



Type	7,5 bar speed		10 bar speed		13 bar speed		Motor power kW	Length · Width · Height · Weight			
	min. (m³/min)	max. (m³/min)	min. (m³/min)	max. (m³/min)	min. (m³/min)	max. (m³/min)		mm	mm	mm	kg
ALLEGRO 8			not yet available				7.5	965	662	1045	256
ALLEGRO 11	1.68	0.26	1.56	0.23	1.38	0.19	11	965	662	1045	256
ALLEGRO 15	0.71	2.75	0.76	2.37	0.53	1.98	15	1300	780	1555	490
ALLEGRO 19	0.56	3.34	0.61	2.96	0.57	2.36	19	1300	780	1555	510
ALLEGRO 22	0.73	3.82	0.82	3.41	0.54	2.93	22	1300	780	1555	516
ALLEGRO 30	0.59	4.54	0.63	4.08	0.54	1.98	30	1300	780	1555	562
ALLEGRO 31	1.44	5.51	1.52	4.71	1.31	3.74	30	1810	950	1760	850
ALLEGRO 37	1.47	6.63	1.57	5.79	1.35	4.61	37	1810	950	1760	935
ALLEGRO 45	1.57	7.93	1.69	6.93	1.38	5.71	45	1810	950	1760	950
ALLEGRO 55	1.56	9.69	1.69	8.63	1.47	7.26	55	1810	950	1760	1185
ALLEGRO 56	2.76	10.71	3.00	9.17	-	-	55	2160	1060	1600	1480
ALLEGRO 75	2.56	14.67	2.71	12.76	2.90	10.87	75	2160	1060	1600	1550
ALLEGRO 90	3.58	16.31	4.43	14.38	2.43	12.26	90	2160	1060	1600	1655
ALLEGRO 110	4.29	19.06	5.91	16.99	2.98	14.71	110	2160	1060	1600	1860
ALLEGRO 150	5.09	26.53	5.90	23.48	4.72	18.95	160	2506	1490	1938	2455
ALLEGRO 180	4.90	30.33	5.20	26.91	5.16	21.92	180	2666	1490	1938	2565
ALLEGRO 210	9.33	28.88	9.21	27.57	9.02	25.21	210	2390	1500	1920	3450
ALLEGRO 260	15.3	41.48	15.25	36.70	14.79	30.76	260	3950	1650	2025	4300

The ALUP SCD concept: SCD motor, SCD direct drive, SCD frequency converter

