

## Stenhøj S-Series

## Stenhøj Screw Compressors

**S-Series model from 30-132 kW fixed and regulated speed.**

### Premium efficiency airend

The high output compression element with slow rotational speed reduces energy costs. In addition to this, the innovative design of the fail safe shaft seal, integrated oil filter and oil regulation valve, ensures external hoses are reduced to a minimum to guarantee the highest levels of quality and reliability are achieved.

### Large surface after cooler

Optimum cooling to ensure low operating and discharge temperatures.

### Tried and tested inverter concept

Integrated in the electric cabinet.



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S50-A airend

### High performance separator filter

Two stage filtration ensures highest quality air is delivered to your system < 3ppm oil carryover. The vessel has a hinged cover for easy maintenance.

### Highest quality connections

Solid hoses and pipe-connections with viton victaulic couplings increase reliability, and are easy to maintain.

### Energy saving electric motor

The compressors are equipped with an energy saving high efficiency electric motor which reduces CO2 emissions.

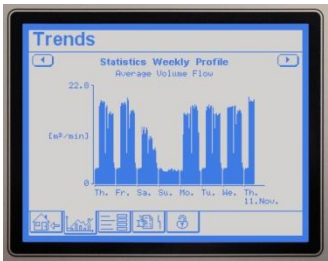
DELCOs XL  
innovative touch  
screen  
compressor  
controller

The DELCOS XL with its high resolution touch screen display is extremely user friendly and self-explanatory. All functions are clearly structured in five main menus and are intuitively visual.

The multilingual DELCOS XL control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters, which is essential for reducing your running costs.



- Home page – instant overview of the compressor status
- Real time clock – allows pre setting of compressor starting/stopping
- Second pressure setting
- Integrated cooling and dryer control
- Fault history log – for in-depth analysis
- Remote control via programmable inputs
- Auto restart after power failure
- Optional base load sequencing
- Optional SD card – stores several run characteristics



With the ability to display detailed system analysis in the form of trend diagrams and graphs operating parameters can be precisely set to maximise efficiency.



Thermostatically controlled motor driven fan

High efficiency extremely quiet fan allows the compressor to be operated in the work place, and allows the maximum duct length without assistance.

Automatic motor lubrication system (55-132 kW)

Increases bearing life and is maintenance free.

**S-Series model from 30-132 kW regulated speed.  
Intelligent energy saving technology.**

**Regulated speed compressors – Perfect response to your individual air demands with regulated speed technology.**

Regulated speed compressors from Stenhøj can efficiently and reliably handle the varying air demand found in most plant air systems.

These compressors speed up and slow down to match air supply to air demand as it fluctuates. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

### Reduce the cost of ownership and minimise your energy consumption

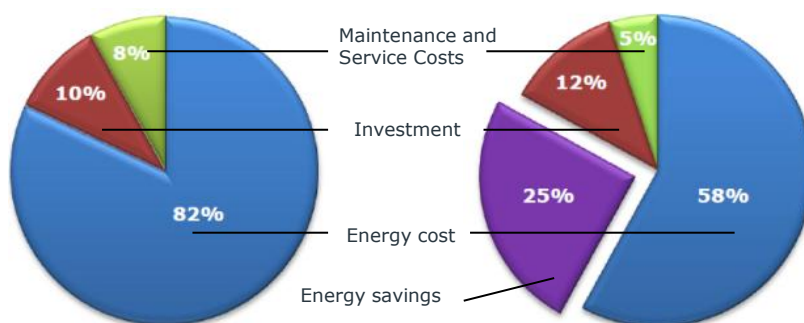
- Excellent efficiency
- High reliability
- Low cost of ownership
- Accurate pressure monitoring

### Remarkable energy savings

- Annual cost of ownership with regulated speed compressors

A typical oil lubricated rotary screw air compressor operating at 70% load.

Stenhøj regulated speed SR-compressor at 70% load.



SR55-A – SR75-A Airend

### Perfect motor – drive – airend design

- High efficiency across broad flow range
- Substantial energy savings performance

### Wide regulation range

- No cycles means substantial energy savings

### Tried and tested inverter concept

- Integrated in the electric cabinet
- Protected from dust by replaceable inlet filters
- Maximum reliability by optimised cooling system
- Ensures high availability and long life time



Technical data

Fixed speed

Model	Free air delivery *			Drive Motor kW	Dimensions			Weight kg	Noise level ** dB(A)
	7.5 bar m3/min	10 bar m3/min	13 bar m3/min		L mm	W mm	H mm		
S30-A	5.75	5.11	4.36	30	1722	920	1659	923	67
S37-A	7.10	6.17	5.30	37	1722	920	1659	966	68
S45-A	8.00	7.00	6.11	45	1722	920	1659	988	69
S50-A	8.67	7.55	-	45	1722	920	1659	1055	67
S55-A	10.69	9.51	8.24	55	2158	1223	1971	1725	69
S75-A	13.74	12.44	10.43	75	2158	1223	1971	1765	72
S80-A	14.72	12.26	-	75	2158	1223	1971	2010	69
S90-A	17.45	15.47	13.45	90	2337	1368	2039	2513	73
S110-A	20.77	18.63	16.21	110	2337	1368	2039	2614	75
S132-A	22.87	21.27	18.59	132	2337	1368	2039	2778	76

Regulated speed

Model	Min.- Max. pressure (bar)	Free air delivery *			Drive Motor kW	Dimensions			Weight kg	Noise level ** dB(A)
		7.5 bar m3/min	10 bar m3/min	13 bar m3/min		L mm	W mm	H mm		
SR30-A	5-10	1.33 – 5.49	-	-	30	1722	920	1659	925	66
SR37-A	5-13	1.47 – 6.84	-	-	37	1722	920	1659	952	67
SR45-A	5-13	1.47 – 7.93	-	-	45	1722	920	1659	974	70
SR55-A	5-10	2.42 – 10.23	-	-	55	2158	1223	1971	1726	67
SR75-A	5-13	2.25 – 13.47	-	-	75	2158	1223	1971	1800	71
SR90-A	5-13	4.76 – 17.60	-	-	90	2337	1368	2039	2768	72
SR110-A	5-13	4.76 – 20.68	-	-	110	2337	1368	2039	2770	72
SR132-A	5-13	4.76 – 22.72	-	-	132	2337	1368	2039	2786	74



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Stenhøj A/S  
Denmark

Tel: +45 76 82 13 30  
Fax: +45 76 82 13 31  
Mail: info@stenhoj.dk  
Web: www.stenhoj.dk

SR55-A to SR132-A are also available as water cooled versions.  
\*Data measured and stated in accordance with ISO 1217.  
\*\* Measured in free field conditions in accordance with ISO 2151.

No liability accepted for  
specifications, which are subject to  
alteration.