



# STRONG

**OIL-INJECTED  
SCREW COMPRESSOR · 7,5 - 250 KW**

# SCC'S UNCOMPROMISING COMPRESSED AIR SOLUTIONS WITH THE BEST PRICE-PERFORMANCE RATIO

SCC air compressors stands for quality, innovation and unbeatable value for money. Our high-performance compressed air solutions – from oil-free and oil-injected compressors to modern treatment systems – offer maximum efficiency and durability, ideal for small workshops to large industrial plants.

Our products combine state-of-the-art technology with energy efficiency to reduce your operating costs and protect the environment. Thanks to simple maintenance and reliable operation, they also impress under demanding conditions.

As a strong partner, we support you from consultation to maintenance. With SCC, you benefit from innovative technologies and economical solutions that revolutionise your compressed air supply.

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“**STRONG** - the champion in energy efficiency, with direct drive, speed control and IE4 permanent magnet motor.”



STRONG 11-15

# OVERVIEW OF STRONG MODELS

STRONG 7	7,5 kW · 8 bar · 10 bar	01
STRONG 11	11 kW · 8 bar · 10 bar	02
STRONG 15	15 kW · 8 bar · 10 bar	03
STRONG 18	18,5 kW · 8 bar · 10 bar	04
STRONG 22	22 kW · 8 bar · 10 bar	05
STRONG 30	30 kW · 8 bar · 10 bar	06
STRONG 37	37 kW · 8 bar · 10 bar	07
STRONG 45	45 kW · 8 bar · 10 bar	08
STRONG 55	55 kW · 8 bar · 10 bar	09
STRONG 75	75 kW · 8 bar · 10 bar	10
STRONG 90	90 kW · 8 bar · 10 bar	11
STRONG 110	110 kW · 8 bar · 10 bar	12
STRONG 132	132 kW · 8 bar · 10 bar	13
STRONG 160	160 kW · 8 bar · 10 bar	14
STRONG 200	200 kW · 8 bar · 10 bar	15
STRONG 250	250 kW · 8 bar · 10 bar	16



Find out more about the technical performance values on page 9.“

# OVERVIEW OF CUSTOMER BENEFITS

Efficient compressed air is not only a quality feature in many areas of industrial production, but also an absolute must. No compromises can be made here. Based on decades of experience in this field, SCC has developed a series that meets all requirements for highly efficient compressed air generation.



## IE4 PERMANENT MAGNET MOTOR

Permanent magnet motors are characterised by significantly better efficiency compared to the asynchronous motors used as standard. Our PM motors have an efficiency rating better than efficiency class IE4 in accordance with standard EN 60034-30:2009 and therefore offer the best possible energy efficiency for industrial motors today.



## DIRECT DRIVE

The direct drive means that there are no energy losses, unlike machines that use a gearbox between the motor and compressor stage. This direct connection ensures more efficient utilisation of energy and thus contributes to improved overall efficiency.



## HIGH ENERGY EFFICIENCY

Thanks to the special design of the permanent magnet motor, the compressor has an almost consistently high energy efficiency over the entire control range of the machine, which means that you permanently save energy, regardless of how much compressed air the compressor delivers. In addition, there are no energy losses due to the direct drive compared to machines that use a gearbox between the motor and compressor stage.



Compressor stage



Permanent magnet motor

# STRONG – THE CHAMPION AMONG THE ENERGY-EFFICIENT COMPRESSORS

The STRONG series is the champion among energy-efficient compressors. The series is equipped with an oil-injected, speed-controlled screw compressor with direct drive and permanent magnet motor.



## INTELLIGENT SCC CONTROLLER

Thanks to the intelligent SCC control system, you are always aware of the status of the compressor. Intuitive touchscreen operation makes it easy to control the compressor. Do you need the compressor data live on a control room or on your smartphone or tablet? This is also no problem for our control system. The corresponding additional software makes it possible.



## SPEED-CONTROLLED & QUIET

Our STRONG compressors are not only quiet, they also always deliver exactly as much compressed air as you need. Thanks to the speed control, the machine always adapts automatically to the required compressed air consumption.



## LOW MAINTENANCE COSTS

Manageable maintenance costs due to the long maintenance intervals of 4000 operating hours. In addition, there are no additional maintenance costs for a gearbox, which makes maintenance even more cost-effective.

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## 2 YEAR SERVICE GUARANTEE



Our compressors come with a 2-year warranty as standard. For maximum security and long-term protection, you can choose an optional warranty extension to 5 years. This gives you even more planning security and minimise unexpected downtime costs.

# INSIGHT INTO COMPONENTS AND TECHNOLOGY

Our compressors are not only powerful machines, but also masterpieces of modern engineering. Behind their robust housing lies a world of high-precision technology in which every component is perfectly harmonised. Every detail has been developed with the aim of maximising efficiency, reliability and durability.

01



## FIXED PIPEWORK

The pipework system transports the compressed air efficiently and ensures even air distribution in the system.

02



## HIGH PERFORMANCE COMPRESSOR STAGE

The STRONG series is equipped with a highly efficient compressor stage that pressurises the intake air to the desired pressure. This ensures a reliable and powerful compressed air supply.

03



## HIGHLY EFFICIENT IE4 PERMANENT MAGNET MOTOR

The use of permanent magnet motors with the highest efficiency class IE4 guarantees top efficiency across the entire control range.

04



## SCC-C80 CONTROLLER

With its intuitive user guidance and many functions, the intelligent control unit offers all the options for optimising the compressor to the current operating situation.

### Functions

6 digital inputs

Large colour 7" touchscreen display

Operation in a network as master or slave with up to 16 other compressors

Storage temperature monitoring and phase sequence monitoring

Monitoring and display of current consumption and display of cumulative energy consumption

MODBUS Interface

Remote on/off

05

## LARGE COOLER

The generously dimensioned cooler ensures excellent heat dissipation and thus ensures reliable operation even under demanding conditions. It also has an oil reservoir with integrated, highly efficient fine oil separation, which ensures optimum air quality and minimises oil residue in the compressed air. This not only contributes to the longevity of the compressor, but also reduces maintenance and operating costs.



06

## POWERFUL FREQUENCY CONVERTER

The powerful frequency inverter controls the speed of the compressor as required, ensuring energy-efficient compressed air generation. It reduces idle times, extends the service life of the motor and keeps the pressure constant. This reduces operating costs and the compressor works more quietly and efficiently.





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## APPLICATION IN THE INDUSTRY

Compressed air is an indispensable part of modern industrial processes - from manufacturing and construction to automotive and metalworking. Our oil-lubricated compressors provide a reliable, powerful and energy-efficient compressed air supply for numerous industrial applications.

### INDUSTRY & PRODUCTION

Our oil-injected compressors supply compressed air to machines in the metalworking, plastics manufacturing and automotive industries.

### CRAFT

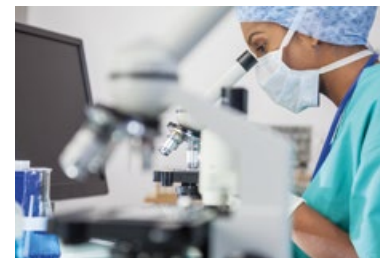
Our oil-injected SCC compressors are used in automotive workshops, paint stores and joineries for tools and production processes.

### BUILDING INDUSTRY

SCC compressors are used in the operation of pneumatic tools such as rotary hammers and paint spraying systems.

### AND MANY MORE

Our compressors provide reliable, pure compressed air for numerous industries such as painting, electronics, energy supply and chemicals, as well as many other applications.





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## STRONG PERFORMANCE VALUES

Model	Nominal Power	Nominal Flow			Dimensions			Weight	Sound Level
		8 bar	10 bar	12 bar	Length	Width	Height		
	[kW]	[m <sup>3</sup> /min]			[mm]	[mm]	[mm]	[kg]	[dB(A)]
STRONG 7*	7,5	0,23 - 1,05	0,19 - 0,95	-	900	650	1.050	205	62 +/-3
STRONG 11	11	0,78 - 1,85	0,76 - 1,63	-	1.232	800	1.215	350	65 +/-3
STRONG 15*	15	0,78 - 2,35	0,76 - 2,11	1,22 - 1,90	1.232	800	1.215	350	65 +/-3
STRONG 18*	18,5	1,89 - 3,18	1,87 - 2,77	1,42 - 2,27	1.352	900	1.350	500	65 +/-3
STRONG 22**	22	1,89 - 3,64	1,87 - 3,16	1,42 - 2,89	1.352	900	1.350	500	65 +/-3
STRONG 30*	30	2,16 - 5,25	2,13 - 4,62	-	1.432	1.000	1.480	670	68 +/-3
STRONG 37*	37	2,77 - 6,00	2,38 - 5,08	-	1.432	1.000	1.480	675	68 +/-3
STRONG 45	45	2,84 - 8,13	2,83 - 7,33	-	1.830	1.260	1.843	1.350	72 +/-3
STRONG 55	55	3,56 - 9,96	3,55 - 9,25	-	1.830	1.260	1.843	1.400	73 +/-3
STRONG 75	75	4,89 - 12,50	4,85 - 11,22	-	1.830	1.260	1.843	1.450	72 +/-3
STRONG 90	90	5,52 - 15,78	4,59 - 13,14	-	2.332	1.550	2.168	2.000	75 +/-3
STRONG 110	110	7,60 - 18,54	-	-	2.714	1.910	1.870	2.500	75 +/-3
STRONG 132	132	7,40 - 21,30	7,31 - 20,62	7,19 - 19,20	2.714	1.910	1.870	2.800	78 +/-3
STRONG 160	160	10,01 - 25,13	9,95 - 23,63	-	2.934	2.300	1.980	3.850	82 +/-3
STRONG 200	200	11,6 - 30,5	11,5 - 30,4	-	3.532	2.200	2.095	4.800	82 +/-3
STRONG 250	250	14,6 - 40,7	14,5 - 37,0	-	4.110	2.162	2.662	5.900	84 +/-3

Performance data according to ISO 1217, Annexe E.

Subject to technical changes and errors excepted.

\*Also available in 13 bar version as an option.

\*\* 15 bar version also available as an option.

## SCC OIL

To avoid damage and premature wear, you should always use original SCC compressor oil. Due to their high anti-wear properties, SCC compressor oils ensure very good lubrication during operation and therefore extend the service life of the compressor element. At the same time, they reduce operating costs. Original SCC compressor oils are adapted to the machine types and operating conditions. Our oils cover both demanding and tough operating conditions.

### SCC-M OIL 100 % - MINERAL OIL

High-quality ageing-resistant special raffinates, particularly oxidation-stable, corrosion-protective, with wear protection and additives that prevent the build-up of oxidation residues.

### SCC-M OIL SEMI-SYNTHETIC OIL

Semi-synthetic base oils and the latest additive technology achieve maximum service life thanks to excellent oxidation and temperature stability.

### SCC-VS OIL FULLY SYNTHETIC OIL

Fully synthetic oil is a highly developed lubricant. It reduces wear, minimizes deposits and ensures stable performance at extreme temperatures, reducing maintenance costs and extending service life.





## SCC ORIGINAL- SPARE PARTS

SCC original spare parts meet the highest quality standards and stand for tested safety and durability. Our manufacturer specifications for spare parts as well as comprehensive checks and tests guarantee maximum functionality, ease of installation and reliability.



### HIGH QUALITY

SCC original spare parts stand for the highest quality, exceptional durability and maximum reliability. Every spare part is regularly subjected to stringent tests to ensure consistently high performance. Thanks to continuous further development, they are always state of the art and fulfil the highest demands.



### FAST DELIVERY

SCC original spare parts are always available quickly and reliably thanks to our extensive dealer network. Our partners ensure that the required parts are delivered quickly and installed professionally. In this way, we guarantee minimum downtimes and smooth maintenance of your systems.



### FAIR PRICE-PERFORMANCE RATIO

SCC original spare parts impress with an excellent price-performance ratio that optimally combines quality and economy. They offer a long service life and reliable performance, which can reduce costs in the long term. Customers benefit from a product that is both technically and financially convincing.



## ABOUT US

SCC air compressors is a provider of innovative compressed air solutions specialising in maximum efficiency, reliability and quality at the best price-performance ratio. With a wide range of industrial air compressors and compressed air accessories, we offer customised solutions for various industries, from manufacturing to medical technology.

Our products are characterised by advanced technology and environmental awareness. We focus on long-term partnerships with our customers and suppliers in order to achieve sustainable success together. We combine the tried and tested with the new and focus on loyalty, responsibility and environmental protection. Open to innovation and reliable in all areas - these are our principles.

Our employees are the driving force behind our success, and their motivation helps us to find solutions and dare to try new things. Our customers are at the centre of everything we do, and we build on respect, honesty and long-term relationships. Thanks to carefully selected suppliers, we can guarantee the quality of our products and work together successfully.

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**“ Our mission: quality, innovation and sustainability – for compressed air solutions that increase efficiency and create real added value.”**



## SMART. CLEVER. COST EFFICIENT.

These characteristics are reflected in every component. Our technologies not only offer outstanding efficiency, but also help you to reduce operating costs. So you benefit from reliable performance and a sustainable investment for the future.



### UNBEATABLE PRICE-PERFORMANCE RATIO

Our compressors combine top performance, high efficiency and low operating costs – for a long-term profitable investment.



### HIGHEST QUALITY

Quality is our top priority – thanks to state-of-the-art technology and stringent controls, our compressors offer maximum reliability and durability.



### TÜV ISO 9001 CERTIFIED

Tested top quality – TÜV ISO 9001 certification makes SCC air compressors a safe choice.



### VDMA AND BRITISH COMPRESSED AIR SOCIETY MEMBER

As a member of the VDMA and the British Compressed Air Society, we benefit from a strong international network and dialogue with industry experts.

# OUR SERVICES

Our services and performance offer you customised solutions for maximum efficiency and reliability. As experts in compressor technology, we understand the requirements of your industry and ensure that you always get the best performance. From selecting the right compressor to long-term maintenance, we offer you everything you need to optimise your operations. Rely on our many years of experience and innovative technology to make your production processes safe and sustainable.



## COMPREHENSIVE ADVICE

SCC is your competent partner for all aspects of your compressed air station and compressed air application, whether it is a planned new purchase, addition or revision of the existing compressed air system or because you simply want to be sure that your compressed air system is running efficiently. With our expertise and experience, we can help you to find the best possible solution to your problem.



## MAINTENANCE AND SERVICE

From checking the installation to optimising energy consumption, we offer comprehensive services for your compressed air station. We check your system for faults and leaks, analyse the compressed air demand with our data logger and simulate the optimum setting for your compressors. In this way, we help you to reduce costs and extend the service life of your devices.



## TRAINING

We provide you with practical knowledge and specialised knowledge of compressors, compressed air systems and their maintenance. This enables you to increase the efficiency of your systems, recognise potential faults at an early stage and reduce operating costs in the long term. Contact us to find out more about our training programme.

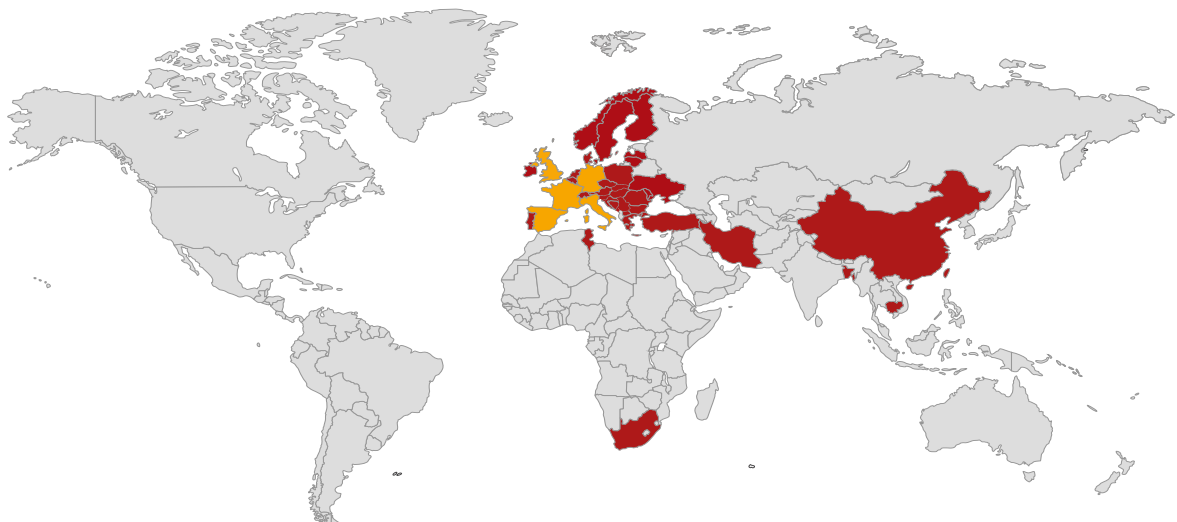


**Our services increase your efficiency and ensure the long-term operation of your systems.“**



## EUROPE-WIDE SALES AND SERVICE NETWORK

Our head office is located in Wendlingen am Neckar near Stuttgart. We support our Europe-wide dealer network and our direct customers via our branches in the UK, Italy and Spain as well as our sales organisation in France. This ensures that you always have a competent contact person close to you.





## CONTACT US



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