SAVE ENERGY

STRONG 2S



SAVE ENERGY

22 - 315 kW

SCC air compressors

Made in Germany

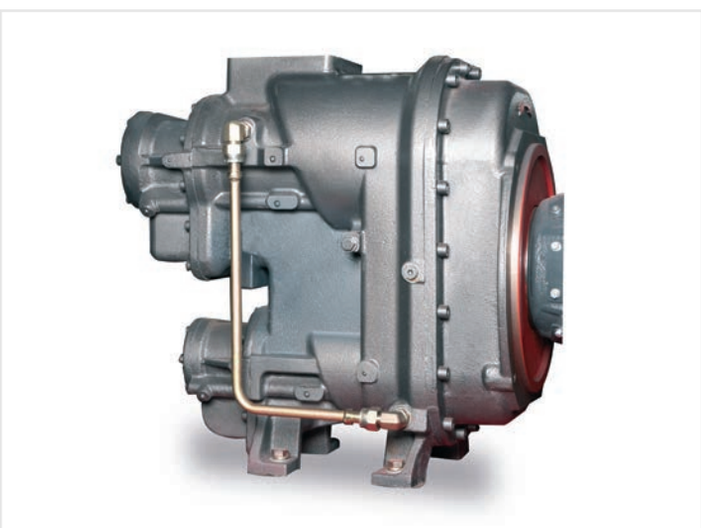
Tolpec GmbH www.scc-aircompressors.com

STRONG 2S

Highest efficiency through two-stage compression – for the sake of the environment

Saving resources is the fundamental issue of our time. The generation of compressed air costs money. In order to reduce costs over the lifetime of a compressor system, we have developed the STRONG 2S. Due to the two-stage compression, we have reduced the temperature increase in the compression process and therefore require less energy. Significant savings can be achieved over the life cycle of the compressor. A second factor is the speed control of the compressor. Variable speed drive ensures the compressor produces just the right amount or air needed.

STRONG 2S 22-315 kW
The king of efficiency



Air End

+ Two-Stage Compression

Exceptionally high energy savings compared to single-stage compression. Due to the intermediate cooling of the air in the compression process, less energy is required.

In some cases, more than 10% of energy can be saved compared to single-stage compression.

SCC air compressors

+ Permanent Magnet Motor

PM motors are characterized by improved efficiency compared to asynchronous motors. Our PM motors meet or exceed class IE4.

Our motors are air-cooled. There is no additional oil circuit for motor cooling and therefore less oil is needed in the system.



Permanent Magnet Motor

SAVE ENERGY

Cost savings have never been easier

+ Speed Control

The motor speed is automatically adjusted to ensure the correct volume of air is delivered. As a result, high energy savings are possible and expensive idle times are reduced to a minimum.

+ Intelligent Reinforcement

SCC controllers already have many options as standard. For example, the connection of the controller via the ModBus protocol is already available, as well as the possibility to connect and control up to 10 compressors.

+ Highest Reliability

Increase slow-rotating compressor stages, below 3,500 rpm, and a generously dimensioned ventilation system the service life of the compressor is considerably extended.

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Model: STRONG 2S



STRONG 2S 37



STRONG 2S 22

SAVE ENERGY

+ Accessibility For Maintenance

When developing new compressors, we understand the importance of having sufficient access to the compressor for maintenance work. This reduces the time required for maintenance work and makes it easier for service technicians.

+ Heat Recovery

With the heat recovery option, you can make your compressor even more efficient with integrated heat exchangers. By re-directing hot oil to the oil to water heat exchangers, the heat from the oil can be used to raise the temperature of the water as required by the application.

+ Low Noise Level

The low speed of the compressor stage and an adapted air flow ensures extremely low noise levels are achieved.

Warranty: 2 years or 5 years as an option

SCC air compressors



STRONG 2S 90

Screw Compressor STRONG 2S

Model	Nominal power	Flow		Dimensions			Weight	Sound level
		8 bar	*10 bar*	*Length*	*Width*	*Height*		
	[kW]	*[m³/min]*		*[mm]*	*[mm]*	*[mm]*	*[kg]*	*[dB(A)]*
STRONG 2S 22	22	1,4 - 4,1	1,4 - 3,4	1.620	1.100	1.450	850	75 +/-2
STRONG 2S 30	30	2,4 - 5,9	1,6 - 4,0	1.900	1.250	1.550	980	73 +/-2
STRONG 2S 37	37	2,7 - 6,8	2,3 - 5,7	1.900	1.250	1.550	1.150	73 +/-2
STRONG 2S 45	45	3,7 - 9,4	2,7 - 6,7	2.050	1.550	2.050	2.050	73 +/-2
STRONG 2S 55	55	4,8 - 12,1	3,7 - 9,3	2.050	1.550	2.050	2.120	73 +/-2
STRONG 2S 75	75	6,1 - 15,1	4,8 - 12,0	2.180	1.720	2.100	2.450	75 +/-2
STRONG 2S 90	90	7,6 - 18,9	6,1 - 15,2	2.650	1.850	1.950	2.750	75+/-2
STRONG 2S 110	110	9,2 - 22,9	7,5 - 18,8	2.350	2.000	1.980	2.825	75+/-2
STRONG 2S 132	132	10,8 - 26,9	8,8 - 22,2	2.720	2.200	2.000	3.680	75+/-2
STRONG 2S 160	160	12,8 - 31,8	10,7 - 26,7	2.720	2.200	2.000	4.230	75+/-2
STRONG 2S 200	200	15,4 - 38,5	14,0 - 34,9	3.800	2.100	2.650	5.900	78+/-2
STRONG 2S 250	250	18,1 - 45,3	16,3 - 40,8	3.500	2.100	2.250	7.150	80+/-2
STRONG 2S 280	280	20,4 - 51,1	18,0 - 45,1	4.100	2.100	2.650	7.200	85+/-2
STRONG 2S 315	315	22,4 - 56,1	20,4 - 50,2	3.579	2.100	2567	7.330	85+/-2

Performance data according to ISO 1217, Annex C
Technical changes and errors excepted

Made in Germany

Model: STRONG 2S



STRONG 2S 315







„Made in Germany“ at the headquarters in Wendlingen near Stuttgart.

Made in Germany is not only a designation of origin for us. As a German company, it is important to us to develop and further develop our compressors in Germany. Our products „Made in Germany“ impress with their excellent quality and advanced technology. But also, the environmental aspect is not neglected, so we generally design the machines in such a way that a long service life is guaranteed and all efficiency criteria are achieved both now and in the future.

In addition to a large number of oil-lubricated screw compressors, we also manufacture project-related compressors and our portfolio of oil-free screw compressors at our location in Wendlingen near Stuttgart.

Modell: STRONG 2S

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SCC air compressors

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ISO 9001 Certified Quality Management System

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