

COMPRESSED AIR
PUSHING YOU FORWARD

SCREW COMPRESSORS

RS / RSF 55.0 + 75



MOTOR POWER: 55.0 + 75 KW



RENNER
Kompressoren

SPECIALIST FOR COMPRESSED AIR

As a medium-sized family business with modern development and manufacturing facilities and over 210 highly qualified employees, RENNER Kompressoren has been a benchmark for quality and customer satisfaction for more than 25 years.

With short decision-making processes and our flexibility, we offer you fast, customized and individual solutions for every compressed air requirement in industry and trade. RENNER GmbH Kompressoren was certified for the first time in 2006 and has since been continuously recertified according to DIN EN ISO 9001. This certification contributes to the continuous RENNER product and service quality.

RENNER PORTFOLIO

Our compressed air systems are efficient and reliable. Up to 35% energy costs can be saved with RENNER frequency-controlled screw compressors. Our compressed air program includes oil- and water-injected screw compressors, piston compressors, oil-free SCROLL compressors and systems with frequency control or direct drive in the power range from 1.5 to 355 kW. With over 6,000 compressor models available, allowing tailored adjustments ranging from pressure levels to energy consumption. Additionally, our portfolio is complemented by a comprehensive selection of accessories for compressed air applications.

OUR SERVICE FOR YOU

With our team and our specialized dealers, you can count on first-class personal consultation, innovative and sustainable construction in compressor engineering, as well as comprehensive and efficient maintenance services - and all of this in around 100 countries. Our project department, in collaboration with our specialized dealers, offers comprehensive planning of plant technology - a complete engineering package from the first meeting to the instruction and handover of the system. We are proud to be your competent sales and service partner worldwide, offering a good price-performance ratio!



RENNER'S COMPACT, ROBUST, HIGH-PERFORMANCE COMPRESSORS

Oil-injected screw compressors in the appropriate power range nowadays represent the most modern and most economical form of compressed air generation. RENNER is dedicated to this compression principle, with a performance range extending from 2.2 – 355 kW and an end pressure of up to 15 bar.

RENNER screw compressors with asymmetric profile are designed for powerful industrial operation, with no compromise. Excellent economy, long service life, and simple, economical maintenance are the most important criteria in the development of new products.

Is your requirement for compressed air as demanding as your need for quality and economy? Then RENNER's large screw compressors are the solution for you. Because this is where innovative compressor technology meets high serviceability and robust construction with useful extras. In pressure and power levels ranging from 7.5 to 15 bar and 55.0 and 75 kW – the logical continuation of RENNER products in the top performance range.



DESIGN FEATURES AND ADVANTAGES OF THE RS SERIES

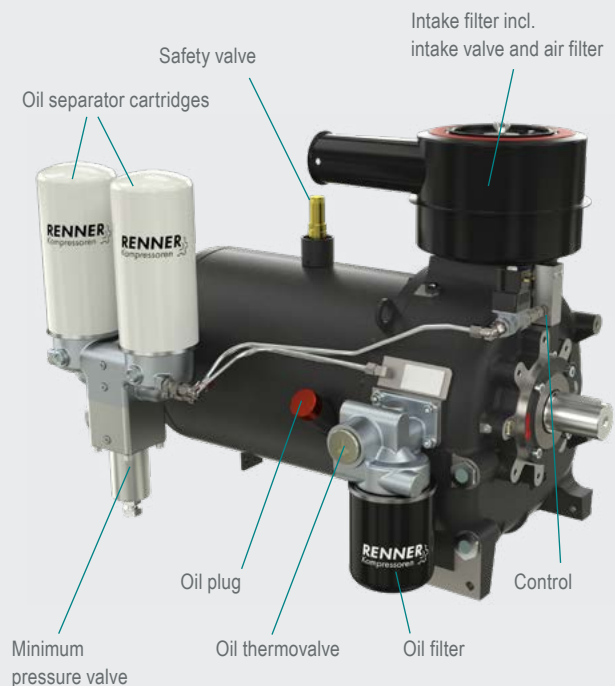


Image: NK 200

- 2 years full warranty.
- Compact and clearly laid out design.
- Effective rear duct silencer. The motor and the compact air end as well as the compressor housing are mounted on anti-vibration metal bumpers. This results in low-noise and low-vibration installation – also in compressor rooms.
- Easily removable doors allow easy access to the individual components for maintenance.
- Standard components from German brand manufacturers guarantee a high quality standard and enable short reaction times in the event of faults.
- Long lifespan due to intelligent construction details such as the automatic V-belt tensioning design or the cooling air system that guarantees optimal compressed air temperatures.
- High cooling air flow rate with excellent residual compression.

SAVE ENERGY WITH RENNER COMPRESSORS

About 60,000 compressed air stations in Germany consume 14 billion kWh of electricity annually. This corresponds to 7% of the electricity consumption of all German industrial plants. The energy savings potential of 30% is immense (4.2 billion kWh)! Moreover your commitment can contribute to reducing environmental pollution.

Compressed air stations work in the most efficient and economical way, if the entire system has been fine-tuned. RENNER, the experienced German manufacturer of quality compressor systems, together with its reliable local distributors, can meet these requirements and get the job done for you.

DO YOU KNOW HOW MUCH ENERGY YOU CAN SAVE?

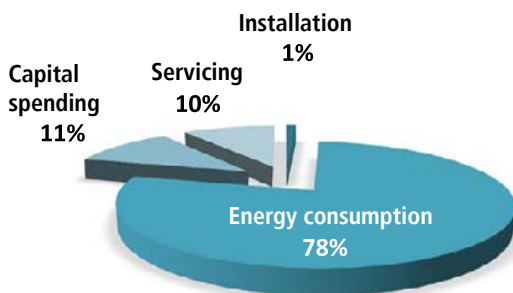
Our partners in distribution are qualified to check your compressed air station in order to determine your savings potential and guarantee long-term economical operation. We can demonstrate to you, how you could benefit by bringing down your operating cost and making an active contribution to reducing CO₂ emissions at the same time.



RENNER VARIABLE SPEED CONTROL (REFLEX)

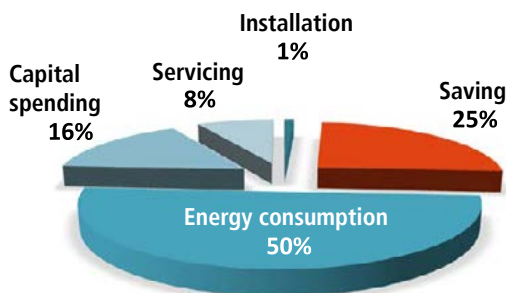
Strong fluctuations of compressed air cannot be avoided in many operations. RENNER screw compressors with variable speed control guarantee a cost efficient steady flow of compressed air. The compressor speed adapts to the actual need for compressed air with variable speed control. This guarantees economic operation.

COMPARING TOTAL COST AFTER 5 YEARS:



Fixed speed compressors:

After 5 years of operation, the energy cost usually amounts to 78% of the total cost of a conventional compressor. The only way to reduce the overall cost is to reduce the cost of energy.



RENNER's compressor with variable speed control:

A RENNER compressor can save up to 35% of your energy costs in five years. This yields total savings of 25% of your compressor station and improves your overall energy balance considerably.

OPERATING MODE

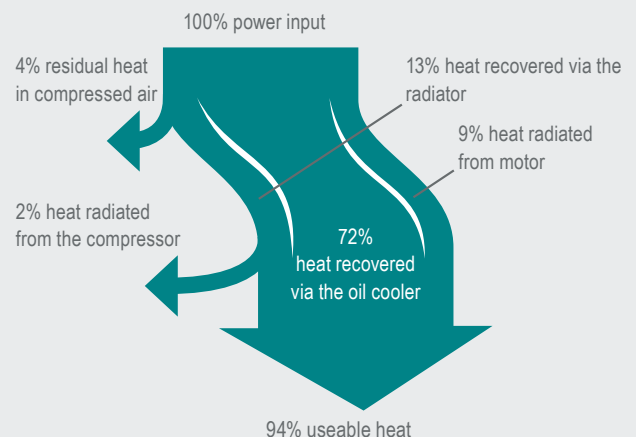
- Free air delivery and control range adjust automatically to current pressure.
- Speed and load limits of the motor are observed.
- If pressure drops due to high air consumption, the REflex function releases reserves that increase free air delivery → Reliability of supply.
- The pressure range from 6 to 10 bar can be configured variably without changing drive elements.

OPTIMUM USE OF ENERGY

- Use of an efficient control system for compressors
- Use of heat recovery systems
- Use of advanced compressed air piping systems without leakage
- Regular service by factory-trained service technicians

HEAT RECOVERY

When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. With RENNER heat recovery, you can regain up to 94% of the energy you have already used as heat in the form of hot air, industrial water or hot water. This makes perfect sense ecologically and saves a lot of money!



ELECTRONIC CONTROL

RENNERTRONIC TOUCH



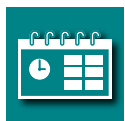
Smartphone-like operation

Intuitively operable touchscreen on state-of-the-art technology.



Events history

The last 50 messages are displayed including date and time.



Pressure and temperature diagram

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Scheduler with six channels

This can be used to switch the four pressure bands, four potential-free relay contacts or the compressor.



USB port

Updates can be easily uploaded using a USB stick.



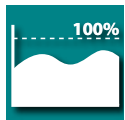
Replacing the control

RENNERtronic Touch (4,3" touchscreen) and RENNERtronic Plus Touch (7" touchscreen) are easily interchangeable.



Service indicator

Maintenance message will be shown when the set operating hour intervals is reached or at the latest after one year.



Display of compressor utilisation

Recording of operating and load hours as well as the percentage load for compressors with variable speed control.



Different code levels

Parameter access is restricted depending on the code level and the compressor is thus protected against unauthorised access.



Flexible inputs and outputs

Freely assignable and inscribable digital inputs as well as four potential-free outputs.



Control of frequency converter

The direct connection via RS485 bus interface eliminates the need for a separate converter display. Exchange of information in **plain text**.

INDUSTRY 4.0 FOR YOUR COMPANY



INDUSTRY
4.0



ELECTRONIC CONTROL

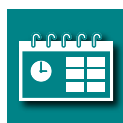
RENNERTRONIC PLUS TOUCH

The RENNERtronic Plus Touch fulfils all the functions of the RENNERtronic Touch. But it can do even more!



7" touchscreen

Overview a multitude of information simultaneously and clearly.



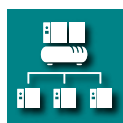
Scheduler with eight channels

In addition, priorities for Base Load Change Over can also be assigned via the scheduler.



Pressure and temperature diagram

Extensive statistics on pressure and temperature diagrams with daily, weekly and monthly scaling.



Base Load Change Over

The software is equipped with an extensive Base Load Change Over. This is connected via an additional interface module (Modbus). This allows you to control up to eight additional compressors. The compressors are connected with a network cable.

BASE LOAD CHANGE OVER

- Even workload for all compressors in terms of operating hours.
- Maintenance work can be done during operation.
- All compressors are activated with the same switch on/off pressure.
- High potential for energy savings.
- High efficiency for fluctuating air demand.
- User-friendly configuration.
- Compressors from other manufacturers can be connected.

RS(F) 55.0 + 75 IN DETAIL

COMPACT DESIGN

Due to its compact design the compressor can be installed in the tightest of spaces. Due to the interconnected components, the standard ball valve and connection cable, the connection to your power and compressed air network is simple and quick. This saves space, time and reduces costs.



PRE-FILTER FRAME

Optional for protection against contamination, standard for compressors with variable speed control. The frame can be attached very simply by means of magnets.



FREQUENCY CONVERTER

Standard equipment of the RSF series. The frequency converter is installed in the control compartment and thus protected from contamination in the best possible way.

REAR DUCT SILENCER

We provide effective sound insulation as standard. A distortion resistant sound insulation box reduces vibrations and noise to extremely low levels.





CONTROLS

The compressors can be pre-programmed with a Base Load Change Control via the individually configurable premium control RENNERtronic Plus Touch. For simpler applications, we offer our controls RENNERlogic and RENNERtronic Touch as alternatives. This puts us one step ahead of other manufacturers!

REFLEX FUNCTION

All compressors with variable speed control from RENNER are equipped with a REflex function. Thus the pressure range from 6 to 10 bar can be configured variably without changing drive elements.

EASY TO MAINTAIN

Due to removable doors, all components are easily and directly accessible for maintenance. Thus, maintenance can be carried out easily and quickly.

HEAT EXCHANGER

A heat exchanger for service or heating water saves energy and thus costs. This can be installed directly in the compressor or connected via an external heat exchanger.

DRIVE MOTOR

Standard equipment with IE3 motor. Optionally, electricity costs can be reduced with the more efficient IE4 motor.



SAFETY 5

With SAFETY 5 benefit programme, you increase the availability over 5 years as an option.

SCREW COMPRESSORS

RS 55.0

RS 75 with electronic control RENNERtronic Touch



Model	Free air delivery m³/min ⁽¹⁾				Motor power kW	Compressed air outlet inch	Noise level dB(A) ⁽²⁾	Dimensions L x W x H mm	Weight kg
	7,5 bar	10 bar	13 bar	15 bar					
RS 55.0	9.55	8.23	7.05	6.23	55	G2	76	1754 x 1104 x 1697	1257
RS 75 ⁽³⁾	12.10	10.35	9.20	8.10	75	G2	76	1754 x 1104 x 1697	1367

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ with RENNERtronic Touch

Options	Part no.
Electronic control RENNERtronic Touch	RS 55.0 22295
Electronic control RENNERtronic Plus Touch	RS 55.0 22297
Electronic control RENNERtronic Plus Touch	RS 75 23836
Rotation direction control via phase rotation control	RS 55.0 + 75 10867
External motor greasing	RS 75 00846
IE4 motor	RS 55.0 + 75 on request
Water cooling	on request

RSF 55.0 – 75

all with variable speed control, pre-filter frames
and electronic control RENNERtronic Touch



Model	Free air delivery m³/min (REflex) ^{(1)/(2)}				Free air delivery m³/min ⁽¹⁾		Motor power kW	Compressed air outlet inch	Noise level dB(A) ⁽²⁾	Dimensions L x W x H mm	Weight kg
	min.	max. at 6 bar	max. at 8 bar	max. at 10 bar	13 bar	15 bar					
RSF 55.0	3.28	10.20	9.21	8.23	2.64-7.05	2.33-6.23	55	G2	76	1754 x 1104 x 1697	1297
RSF 75	4.19	12.83	11.59	10.35	3.66-9.20	3.23-8.10	75	G2	76	1754 x 1104 x 1697	1440

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REflex function: pressure range continuously variable from 6-10 bar

⁽³⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
External motor greasing	RSF 75 00846
IE4 motor	RSF 55.0 + 75 on request
Water cooling	on request

COMPRESSED AIR PUSHING YOU FORWARD

RENNER and its specialized trade distributors are at your side to assist you as competent sales and service partners in approximately 100 countries. This guarantees you first-class advice and a comprehensive, fast maintenance service worldwide that solves problems in the shortest possible time. You will receive a compact, robust, reliable and energy-efficient product specially tailored to your needs.



THE RENNER PRODUCT PORTFOLIO

We can supply you with the right compressor for any application – guaranteed.

- SCREW COMPRESSORS
- OIL-FREE COMPRESSORS
- PISTON COMPRESSORS
- CONTROL SYSTEMS
- COMPRESSED AIR ACCESSORIES



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