COMPRESSED AIR
PUSHING YOU FORWARD

SCREW COMPRESSORS

RS-H 11.0 - 15.0
RSF-H 11.0 - 15.0
18-20 BAR



MOTOR POWER: 11.0 - 15.0 KW

MADE IN
GERMANY

RENNER
Kompressoren

YOUR SPECIALIST FOR COMPRESSED AIR

As a medium-sized family business with modern development and manufacturing facilities and over 230 highly qualified employees, RENNER Kompressoren has been a benchmark for quality and customer satisfaction for more than 30 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. Especially with screw compressors with variable speed control, up to 35% energy costs can be saved here. Our compressed air range includes oil- and water-injected screw compressors, piston compressors, oil-free SCROLL compressors and systems with variable speed control or direct drive in the power range from 1.5 to 355 kW. We have more than 6,000 compressor models on range, which can be customized from the level of pressure to energy consumption. Accessories for compressed air complete the portfolio.

OUR SERVICE FOR YOU

Our team and our distributors offer first class personal support, innovative and robust compressor engineering, and reliable service in around 100 countries. In addition, our project department, together with our distributors, offers cross-system planning of the system technology – a complete engineering package from the first meeting to the instruction and handover of the system. We are proud to assist you worldwide as a competent sales and service partner with an excellent price-performance ratio!



COMPACT, POWERFUL AND ROBUST COMPRESSORS FROM RENNER

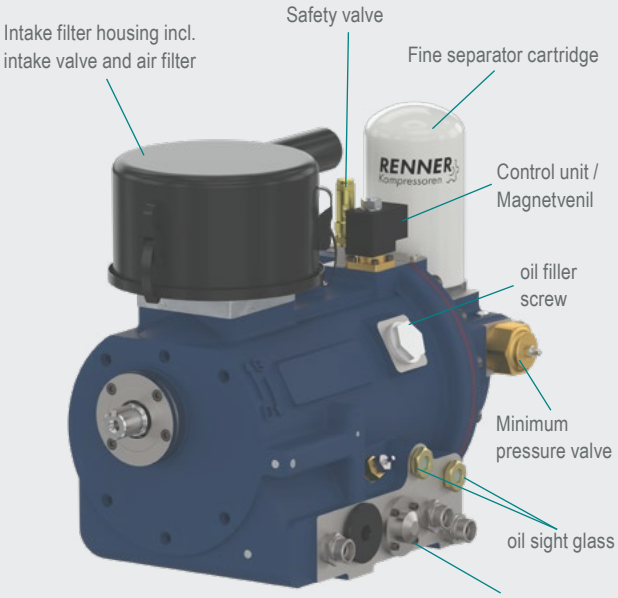
oil-injected screw compressors enable the most modern and economical type of compressed air generation in the corresponding performance range. RENNER is fully committed to this compression principle. The power range extends from 2.2 to 355 kW.

RENNER screw compressors with an asymmetrical profile are designed for uncompromising industrial use. High efficiency, long service life and simple and cost-effective maintenance are the most important criteria in the development of new products.

With the RS-H and RSF-H series, emphasis was placed on a powerful compressed air supply, low space requirements and easily accessible maintenance parts. Compressors in this series compress the air in a single-stage compression from atmospheric pressure to a final pressure of 18 to 20 bar.



DESIGN FEATURES AND ADVANTAGES OF THE RS(F)-H SERIES



Picture: Type 8

- Easily removable doors allow easy access to the individual components for maintenance.
- The right solution for every application: available as a basic machine or with an attached refrigeration dryer.
- Intensive cooling in conjunction with an effective aftercooler guarantees operational safety and good air quality.
- Developed for industrial use - also in continuous operation.
- Standardised components from German brand manufacturers guarantee a high quality standard and enable short response times in the event of faults.
- Compact compressor Stages without additional connecting lines and elements. There is no need for a separate oil separator tank.
- Bearing of the motor and the compact compressor stage as well as the compressor housing on vibrating metals. This ensures low-noise and low-vibration installation - even in operating rooms.
- Control system: RENNERtronic Touch as standard, optional RENNERtronic Plus Touch.

SCREW COMPRESSOR
SERIES RS(F)-H 11.0 - 15.0 KW 15.0 - 20.0 HP

OIL INJECTED
BELT DRIVEN
AIR-COOLED

The powerful and belt-driven screw compressors generate a high compressed air delivery volume with good air quality on a small footprint. The solution for energy-efficient and continuous compressed air generation for industry. Models with "**F**" = frequency inverter with variable speed control.

CONTROL

Solid control unit with pressure and temperature display, operating hours counter, selectorswitch on/off and emergencystop-button as standard. The RENNERtronic Touch control unit is installed as standard in the version with frequency control (F).

HOUSING CONSTRUCTION

All components are easily accessible thanks to removable doors. In addition, the attached sound insulation box ensures a reduced noise level.



SCREW-COMPRESSOR

Single-stage compact screw compressors offer an impressive performance spectrum and impress with efficient technology consisting of high-quality materials that reduce wear and extend service life.

COOLER

First-class heat transfer through aluminium cooler, whose toughness and strength reinforce reliability. The integrated compressed air cooler ensures good air quality.

ELECTRIC MOTOR

Highly efficient IE3 motor in greycast housing with guided cooling air flow for reliable operation and a long service lifekeit.

MOTOR ROCKER

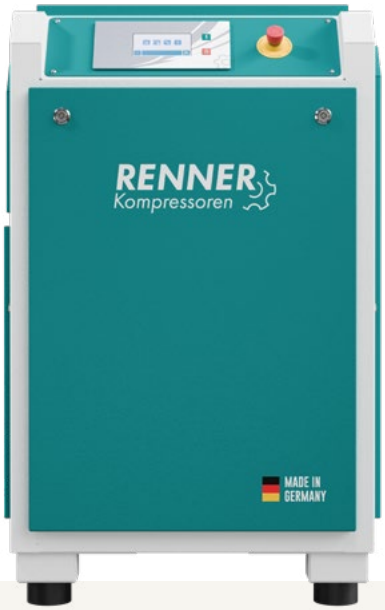
Optimised power transmission and quiet operation. The serviceorientated V-belttensioning can therefore be carried out quickly and easily.

MADE IN GERMANY

THE EFFICIENT POWERHOUSE FOR REQUIREMENTS WITH 18 - 20 BAR

APPLICATION AREAS

- Laser cutting systems: *cutting stainless steel or aluminium sheets*
- Test systems: *Pressure testing of hydraulic cylinders or pipelines*
- Metalworking: *Milling of aluminium parts for the automotive or aviation industry*
- PET bottle production (stretch blow moulding): *Production of beverage bottles for water and soft drinks*
- *and much more.*



HIGHLIGHTS OF THE SERIES

REFRIGERANT DRYER

On models with an attached refrigeration dryer (K), this reduces the moisture content to a pressure dew point of +3°C.

FREQUENCY INVERTER

Standard equipment of the RSF-H series. The frequency inverter is separated from the machine's supply air by a partition wall and thus optimally protected against contamination.

SOFT START

The integrated soft start on the "F" models enables a low-wear and gentle start of the electric motor. This prevents increased current peaks when the compressor is switched on and reduces the load on the power supply network.

DETAILS OF THE SERIES



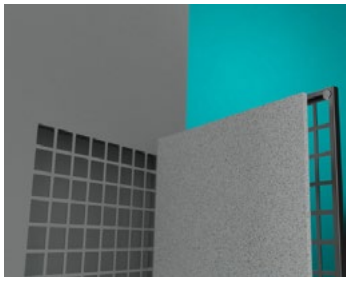
SINGLE-STAGE SEALER

Optimised compact design for a cost-efficient system design with a very small footprint. This simplifies servicing and eliminates leaks thanks to reduced pipework and the need for a separate oil tank.



RADIAL FAN

RSF-H series with radial fan as standard. The tried-and-tested sound insulation box and the radial fan used reduce the noiselevel to a minimum.



FILTER GRILLE

For protection against contamination in frequency-controlled compressors. The grilles are very easy to detach using magnets and the filter can therefore be replaced in no time at all.

Subject to commercial and technical changes - All illustrations similar.

TECHNICAL DATA
SERIES RS(F)-H 11.0 - 15.0 KW 15.0 - 20.0 HP



[5]R513A Refrigerant

Compressed air outlet

Customs

G¾

Motor power		Model	Free air delivery m³/min[1]		Weight	Noise level
kW	HP		18 bar	20 bar	kg	dB(A)[3]
11,0	15,0	RS(K)-H 11.0	0,97	0,90	316 / 346[4]	70
15,0	20,0	RS(K)-H 15.0	1,32	1,25	326 / 376[4]	70

Motor Power		Model	Free air delivery m3/min[2]		Weight	Noise level
kW	HP		18 bar	20 bar	kg	dB(A)[3]
11,0	15,0	RSF(K)-H 11.0	0,29 - 0,97	0,27 - 0,90	331 / 379[4]	66
15,0	20,0	RSF(K)-H 15.0	0,40 - 1,32	0,38 - 1,25	342 / 392[4]	66

[1] according to ISO 1217 Annex C [2] according to ISO 1217 Annex E [3] according to DIN EN ISO 2151:2009 [4] with refrigeration dryer [5] Refrigeration dryer with refrigerant R513A

RS-H
11.0 - 15.0 KW
11.0 - 15.0 KW



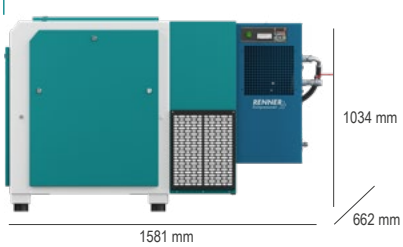
RSF-H
11.0 - 15.0 KW
11.0 - 15.0 KW



RSK-H
11.0 - 15.0 KW
11.0 - 15.0 KW



RSKF-H
11.0 - 15.0 KW
11.0 - 15.0 KW



STANDARD EQUIPMENT

- RENNERlogic, RENNERtronic Touch (for "F" models)
- Motor efficiency class: IE 3
- Emergency stop button
- Manual ball valve
- Refrigeration dryer variant incl. levelcontrolled Steam trap (pressure dew point +3°C)
- Front filter grille (for "F" models)

TYPE KEY SERIES RS-H

RS K F H 15,0

RS – Type

K – Refrigeration dryer

F – Frequency controlled

H - Pressure up to 20 bar

Motor power kW

OPTIONS

Control system

RENNERtronic Touch electronic control unit (standard on "F" models)

RENNERtronic Plus Touch electronic control unit

Drive system

IE-4 motor

Direction of rotation monitoring via phase sequence relay

Air duct

Front filter grille incl. filter mat (standard for "F" models)

CONTROLS FOR MORE COMFORT

The RENNERtronic Touch with a 4.3-inch operating touch display significantly increases operating and information convenience compared to the standard control unit. The user-friendly RENNERtronic Touch combines sophistication and simplicity.

RENNERtronic Plus Touch

Comfort and function extension

- 7-inch operating touch display
- Two additional channels for timers
- Scaling: day / week / month
- Base load change function



ACCESSORIES

Compressed Air Management Systems
higher-level controls for a demand-led compressed air supply with RENNERconnect or RENNERconnect Easy.

Subject to commercial and technical changes - All illustrations similar.

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.



RS(F) - H - 06/2025

THE RENNER PRODUCT PORTFOLIO

MADE IN GERMANY

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

RENNER GmbH
Kompressoren
Emil-Weber-Straße 32
D-74363 Güglingen

Tel. +49 7135 93193-0
Fax +49 7135 93193-50

info@renner-kompressoren.de
renner-kompressoren.com

RENNER Kompressoren