

COMPRESSED AIR
PUSHING YOU FORWARD

SCREW COMPRESSORS

RS-PRO 2- 30.0 - 55.0 D
RSF-PRO 2- 11.0 - 55.0 D
DIRECT DRIVE



MOTOR POWER: 11.0 - 55.0 KW



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!



RENNER'S COMPACT, ROBUST, HIGH-PERFORMANCE COMPRESSORS

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 with a final pressure of up to 15 bar.

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-PRO D and RSF-PRO D series, emphasis was placed on a powerful compressed air supply, low space requirements and easily accessible maintenance parts.



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

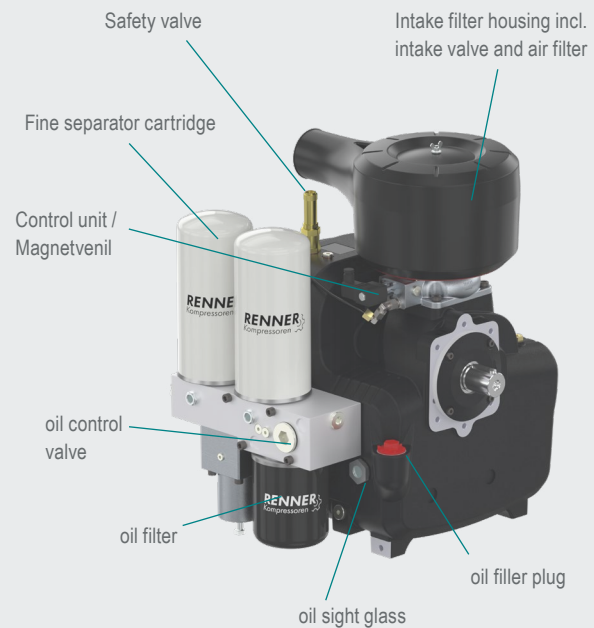


Image: PRO 9 NK

- Easily removable doors allow easy access to the individual components for maintenance.
- The right solution for every case: available as a basic machine, with an attached refrigeration dryer or as a complete unit.
- 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 air-end without additional connecting lines and elements.
There is no need for a separate oil separator tank.
- Bearing of the motor and the compact compressor air-end 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.

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?

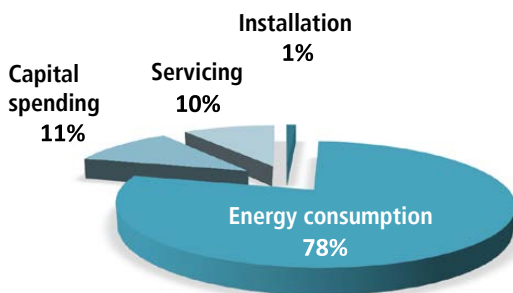
Our partners in distribution are qualified to check your compressed air station in order to determine your savings potential and guarantee long-term economical operation. We can demonstrate to you, how you could benefit by bringing down your operating cost and making an active contribution to reducing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



RENNER VARIABLE SPEED CONTROL (REFLEX)

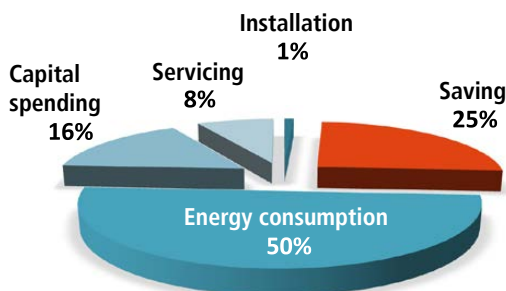
Strong fluctuations of compressed air cannot be avoided in many operations. RENNER screw compressors with variable speed control guarantee a cost efficient steady flow of compressed air. The compressor speed adapts to the actual need for compressed air with variable speed control. This guarantees economic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

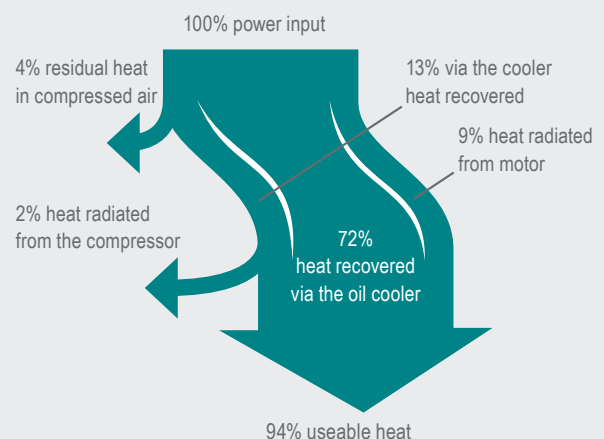
- Free air delivery and control range adjust automatically to current pressure.
- Speed and load limits of the motor are observed.
- If pressure drops due to high air consumption, the REflex function releases reserves that increase free air delivery → Reliability of supply.
- The pressure range from 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.



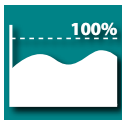
Replacing the control

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

RENNER
Kompressoren

INDUSTRY
4.0



ELECTRONIC CONTROL

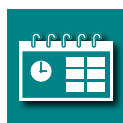
RENNERTRONIC PLUS TOUCH

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.



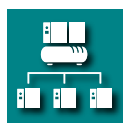
Scheduler with eight channels

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.

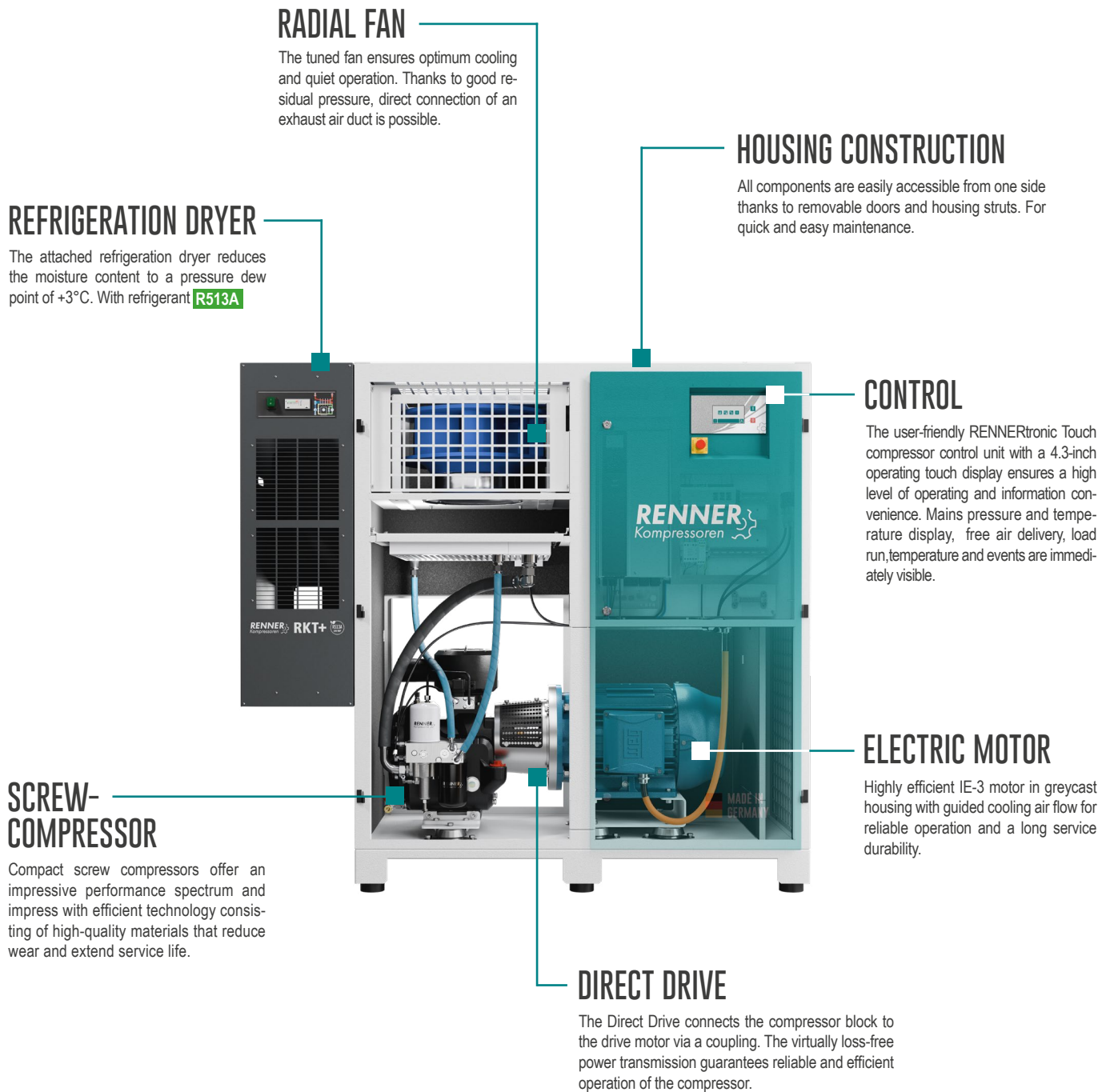
BASE LOAD CHANGE OVER

- 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.

SCREW COMPRESSOR RS(F)-PRO D SERIES 11.0 - 55.0 KW 15.0 - 74 HP

OIL INJECTED
DIRECT DRIVE
AIR-COOLED

The powerful and direct-driven screw compressors generate a high compressed air delivery volume with good air quality on a small footprint. The solution for energy-efficient and sustainable compressed air generation for industry. Models with "F" = frequency converter offer significantly higher efficiency and low operating costs thanks to variable speed control.



THE ENERGY-EFFICIENT ALL-ROUNDER FOR OPTIMUM COMPRESSED AIR SUPPLY

APPLICATION AREAS

- Industrial production: *metal processing, plastics processing*
- Automotive industry: *painting systems, pneumatic tools*
- Mechanical engineering: *Control air for machines and systems*
- Electronics production: *Clean room, assembly*
- Wood and furniture industry: *sanding, pressing*
- Construction industry: *sandblasting, construction equipment supply*
- Energy and environmental technology: *sewage treatment plants, biogas plants*
- Textile industry: *weaving machines, spinning mills*
- and much more.



With the SAFETY 5 benefit programme you increase your security of supply for 5 years



HIGHLIGHTS OF THE SERIES

REFLEX FUNCTION

All RENNER frequency-controlled compressors are equipped with a REflex function. Depending on the model, the Print area can be set individually according to the respective requirements.

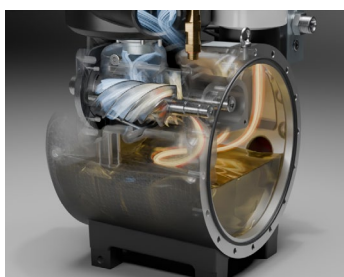
FREQUENCY CONVERTER

Standard equipment of the RSF-Pro D series. The frequency converter placed in the control cabinet is optimally protected against dust and easily accessible.

AIR RECEIVER

11.0 and 15.0 kW models available on 500 litre galvanised air receiver. With hand hole. In accordance with AD2000 guidelines.

DETAILS OF THE SERIES



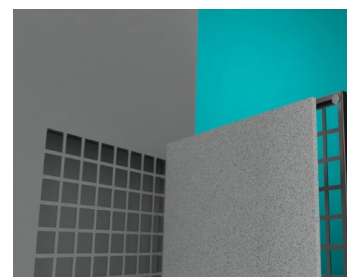
COMPACT AIR-END

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.



COOLING AIR FLOW

Targeted cooling air flow through the compressor interior for optimum operating conditions and a long service life for the compressor, electric motor and electrical components.



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.

TECHNICAL DATA

RS(F)-PRO D SERIES

11.0 - 55.0 KW
15.0 - 74 HP



R513A⁽⁶⁾
Refrigerant

Compressed air outlet inch

11,0	15,0	18,5	22,0	30,0	37,0	45,0	55,0
G½ / G1*	G½ / G1*	G1	G1	G1¼	G1¼	G1½	G1½

Motor power		Model	Free air delivery ⁽¹⁾				Noise level
kW	hp		7.5 bar		10 bar		
		m³/min	cfm	m³/min	cfm	dB(A) ⁽³⁾	
30,0	40.0	RS-PRO 2-30.0 D	5,40	191	4,73	167	69
37,0	49.5	RS-PRO 2-37.0 D	6,55	231	5,81	205	69
45,0	60.5	RS-PRO 45.0 D	7,85	277	6,99	247	73
55,0	74	RS-PRO 55.0 D	9,11	322	8,17	289	75

Motor power		Model	Free air delivery (REflex) ^{(2) (5)}												Noise level
kW	hp		min.		6 bar		8 bar		10 bar		13 bar		15 bar		
			m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	dB(A) ⁽³⁾
11,0	15.0	RS(D)(K)F-PRO 2-11.0 D	0,58	20	2,08	73	1,86	66	1,65	58	1,41	50	1,28	45	67
11,0*	15.0*	RS(K)F-PRO 3-11.0 D	1,12	33	2,39	84	2,20	78	2,02	71	-	-	-	-	64
15,0	20.0	RS(D)(K)F-PRO 15.0 D	0,57	20	2,77	98	2,60	92	2,34	83	1,95	69	1,78	63	69
15,0*	20.0*	RS(K)F-PRO 2-15.0 D	0,93	33	3,33	118	3,09	109	2,86	101	2,53	89	2,28	81	65
18,5	25.0	RS(K)F-PRO 2-18.5 D	0,95	34	4,00	141	3,71	131	3,42	121	2,98	105	2,69	95	69
22,0	29,5	RS(K)F-PRO 22.0 D	0,95	34	4,42	156	4,06	143	3,71	131	3,19	113	2,75	97	69
30,0	40.0	RSF-PRO 2-30.0 D	1,81	64	5,42	191	5,19	183	4,71	166	4,02	142	-	-	69
37,0	49.5	RSF-PRO 2-37.0 D	1,73	61	6,83	241	6,29	222	5,83	206	5,11	180	4,62	163	69
45,0	60.5	RSF-PRO 45.0 D	1,75	62	8,38	296	7,69	272	6,92	244	5,87	207	5,46	193	73
55,0	74	RSF-PRO 55.0 D	1,85	65	9,21	325	8,69	307	8,17	289	7,37	260	6,92	244	75

⁽¹⁾ According to ISO 1217 Annex C ⁽²⁾ According to ISO 1217 Annex E ⁽³⁾ According to standard DIN EN ISO 2151:2009 ⁽⁴⁾ Air receiver according to AD2000 guidelines (with hand hole) ⁽⁵⁾ REflex function: continuously variable ⁽⁶⁾ low gwp

EXECUTIONS

Air receiver

500 litres⁽⁴⁾, galvanised (11.0 / 15.0 kW)

RSF-PRO D

11.0 - 22.0 KW

2- 11.0 - 15.0 KW ^(A)
3- 11.0 - 22.0 KW ^(B)



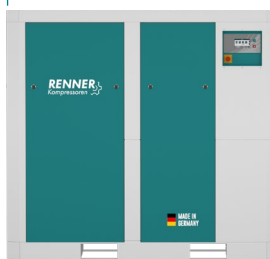
^(A)1275 mm
^(B)1622 mm

^(A)1248 mm
^(B)1416 mm

RSF-PRO D

30.0 - 55.0 KW

30.0 - 37.0 KW ^(A)
45.0 - 55.0 KW ^(B)



^(A)1565 mm
^(B)1756 mm

^(A)941 mm
^(B)981 mm

RSKF-PRO D

11.0 - 22.0 KW

Version
with refrigeration dryer
2- 11.0 - 15.0 KW ^(A)
3- 11.0 - 2- 18.5 KW ^(B)
22.0 KW ^(C)



^(A)1275 mm
^{(B)(C)}1622 mm

^(A)1597 mm
^(B)1760 mm
^(C)1766 mm

RSDKF-PRO D

11.0 - 15.0 KW

Version
with refrigeration dryer and
500 litre air receiver



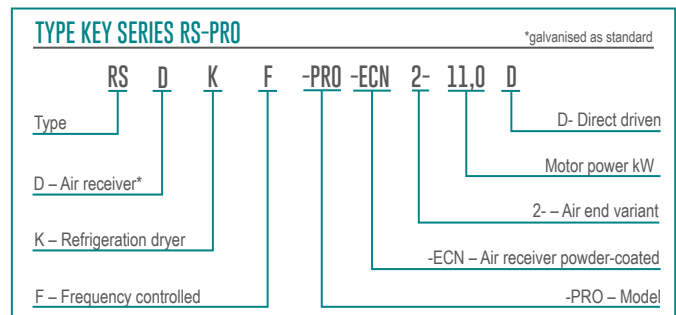
1926 mm

1828 mm

770 mm

STANDARD EQUIPMENT

- RENNERtronic Touch
- Motor efficiency class: IE 3
- Emergency stop button
- Manual ball valve
- Refrigeration dryer variant incl. Time-controlled Steam trap (pressure dew point +3°C)
(Level-controlled condensate drain from 15 kW)



OPTIONS

Control system

RENNERtronic Plus Touch electronic control unit

Drive system

IE-4 motor

Standstill heating installed RENNERtronic Touch (Plus)

Standstill heating retrofit kit - RENNERtronic Touch (Plus)

Heat recovery

Heat exchanger installed ET15°C/AT65°C

Built-in safety heat exchanger ET15°C/AT65°C

Retrofit kit incl. heat exchanger ET15°C/AT65°C

Retrofit kit incl. safety heat exchanger ET15°C/AT65°C

Heat exchanger installed ET35°C/AT65°C

Built-in safety heat exchanger ET35°C/AT65°C

Retrofit kit incl. heat exchanger ET35°C/AT65°C

Retrofit kit incl. safety heat exchanger ET35°C/AT65°C

Preparation of heat exchanger box

External heat exchanger box ET15°C/AT65°C

External safety heat exchanger box ET15°C/AT65°C

Heat exchanger box retrofit kit

External heat exchanger box ET35°C/AT65°C

External safety heat exchanger box ET35°C/AT65°C

Air receiver

Tank drainage attachment kit incl. level-controlled condensate drain

Refrigeration dryer

Level-controlled condensate drain (up to 15 kW)

Ventilation

Water cooling

ACCESSORIES

Compressed Air Management Systems

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

Compressed Air Treatment

To ensure clean and oil-free compressed air, all filters and refrigerant dryers for high compressed air quality are available as accessories at.

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(P)-PROD-EN-05/2025

THE RENNER PRODUCT PORTFOLIO

- 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