

Ihr RENNER-Fachhändler:

Your RENNER distributor:

Votre distributeur
agréé RENNER:



25 Jahre
Druckluft, die bewegt!

1994 – 2019

RENNER
Kompressoren 

ölfrei
Made in Germany 

oil-free
Made in Germany 

sans huile
Made in Germany 

100% ölfreie Druckluft
100% oil-free compressed air
Air comprimé 100% exempt d'huile

 Made in
Germany



SCROLLline
Industry

1,5 – 7,5 kW



Für eine wirtschaftliche und sichere Erzeugung ölfreier Druckluft. Der Verdichtungsprozess erfolgt durch eine feststehende und eine exzentrisch rotierende Spirale.

SCROLLline Kompressor-Modelle:

- SL-I anschlussfertiger Kompressor
- SLD-I auf liegendem, verzinktem Druckluftbehälter
- SLK-I mit Kältetrockner
- SLDK-I auf liegendem, verzinktem Druckluftbehälter mit Kältetrockner

An interesting alternative for generating oil-free compressed air. The process of compression is achieved by means of a fixed and an eccentrically revolving spiral.

SCROLLline compressor models:

- SL-I ready for connection
- SLD-I on horizontal, galvanized air receiver
- SLK-I with refrigeration dryer
- SLDK-I on horizontal, galvanized air receiver with refrigeration dryer

Une alternative efficace et économique pour générer de l'air comprimé exempt d'huile. Le processus de compression utilise deux spirales dont une fixe et l'autre exerçant une rotation excentrique sur son axe.

Modèles des compresseurs SCROLLline:

- SL-I prêt au raccordement
- SLD-I sur réservoir horizontal galvanisé
- SLK-I avec sécheur par réfrigération
- SLDK-I sur réservoir horizontal galvanisé et avec sécheur par réfrigération

SCROLLline
SuperSilent

1,5 – 30,0 kW



Für alle Anwender, die extreme Anforderungen an den Schallschutz stellen. Wirtschaftlichkeit, Laufruhe und Zuverlässigkeit sind die Merkmale dieser Baureihe.

SCROLLline SuperSilent Kompressor-Modelle:

- SL-S anschlussfertiger Kompressor im Schallschutzgehäuse
- SLD-S auf liegendem, verzinktem Druckluftbehälter
- SLK-S mit Kältetrockner
- SLDK-S auf liegendem, verzinktem Druckluftbehälter mit Kältetrockner
- SLM-S als Mehrfachanlage mit 2 bis 4 Kompressoren mit elektronischer Steuerung RENNERtronic Plus

For all applications which require the best sound isolation.

Operating efficiency, running smoothness and reliability are features of this series.

SCROLLline SuperSilent compressor models:

- SL-S ready for connection in sound insulation housing
- SLD-S on horizontal, galvanized air receiver
- SLK-S with refrigeration dryer
- SLDK-S on horizontal, galvanized air receiver with refrigerating dryer
- SLM-S as multiple unit; 2 to 4 compressors operating independently, and together via the electronic control RENNERtronic Plus

Pour tous les usagers qui demandent la meilleure insonorisation.

Rentabilité, silence et fiabilité sont les caractéristiques de cette série.

Modèles des compresseurs SCROLLline SuperSilent:

- SL-S prêt au raccordement dans un boîtier insonorisé
- SLD-S sur réservoir horizontal galvanisé
- SLK-S avec sécheur par réfrigération
- SLDK-S sur réservoir horizontal galvanisé et avec sécheur par réfrigération
- SLM-S système multiple; 2 à 4 unités avec commande électronique RENNERtronic Plus



18,5 – 120 kW

Die Baureihen RSW D und RSWF D wurden für die wirtschaftliche Erzeugung ölfreier Druckluft im Leistungsbereich von 18,5 bis 120 kW entwickelt. Wasser ersetzt Öl bei Kühlung, Schmierung und Abdichtung.

RSW D Kompressor-Modelle:

- RSW D direktgetriebener Kompressor mit IE3-/IE4-Motor und Steuerung RENNERtronic Plus
- RSWF D direktgetrieben mit Frequenzregelung, IE3-/IE4-Motor und Steuerung RENNERtronic Plus

The series RSW D and RSWF D have been developed for a cost-effective production of oil-free compressed air from 18.5 to 120 kW. Water replaces oil for cooling, lubrication and sealing.

RSW D compressor models:

- RSW D direct driven compressor with IE3/IE4 motor and control RENNERtronic Plus
- RSWF D direct driven with frequency converter, IE3/IE4 motor and control RENNERtronic Plus

Les séries RSW D et RSWF D sont conçus pour générer de l'air comprimé de façon efficace et économique avec des puissances moteur de 18,5 à 120 kW. L'eau, qui remplace le lubrifiant minéral, ou synthétique des compresseurs à vis traditionnels, assure donc à la fois le refroidissement, l'étanchéité et la lubrification des éléments du compresseur.

Modèles des compresseurs RSW D:

- RSW D compresseur avec entraînement direct avec moteur IE3/IE4 et commande électronique RENNERtronic
- RSWF D compresseur avec entraînement direct avec variateur de fréquence, moteur IE3/IE4 et commande électronique RENNERtronic Plus



Druckluft für alle Anwendungen

Überschaubare Firmenstruktur, neue und moderne Entwicklungs- und Produktionsanlagen sowie motivierte Mitarbeiter sind Garant für Qualität und Kundenfreundlichkeit.

Compressed air for all applications

The hands-on management structure, new and modern premises, high flexibility and quick implementation of market requirements are certainly some of the reasons of customers' satisfaction and thus RENNER's continued success.

Air comprimé pour toutes les applications

L'entreprise familiale dispose de tous nouveaux bâtiments administratifs et industriels. Une équipe compétente, motivée par la réussite de l'entreprise, assure l'élaboration et la production de tous les compresseurs du portefeuille RENNER.

Oil-free screw compressors

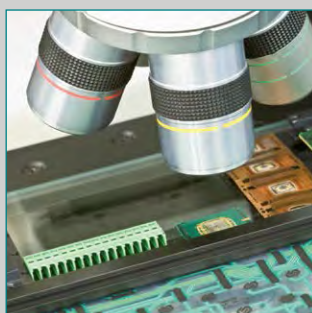
RSW D / RSWF D
water-injected, with direct drive

 Made in Germany

oil-free 
Made in Germany



Motor power: 18.5 to 120 kW



Water-injected screw compressors

RENNER oil-free, water-injected screw compressors are a perfect fit to all applications that require clean compressed air. There is absolutely no risk of oil contamination and resulting production downtime – 100% oil-free compressed air is one of the competitive advantages of these screw compressors.

High reliability as well as low operating and maintenance cost are essential benefits of RENNER RSW compressors.

RENNER water-injected screw compressors of the RSW and RSWF ranges, available from 18.5 to 120.0 kW, have been developed to ensure economic production of oil-free compressed air.

A special feature of these compressors protected by utility patent is reflected by the fact that compressor oil usually applied for cooling, sealing, and lubrication has been completely banished from the process of compression. The oil has been replaced by the most natural of all raw materials: water. Being an ideal heat carrier, water takes away the heat of the compression process and thus ensures low temperatures in the system. The advantage of low temperatures is a nearly isothermal compression which is extraordinarily cost-efficient at high free air delivery.



Due to the structured design all parts are easily accessible.

System water treatment

Full water treatment has been integrated into the compressor system by means of a mixed-bed ion exchanger and a water filter. This makes sure that the circulation water is always of high quality with consistent lubrication and cooling properties. There are no calcium deposits, since all free ions are bound. Continuous monitoring of water quality in water injected machines is crucial and therefore a standard procedure for a RENNER RSW range compressor.

Advantages of a RENNERtronic Plus control system

- automatic adjustment of flow rate
- evaluation and regulation of water quality via automatic conductivity measurements
- also available with real-time clock
- integrated clock with 7 channels
- digital input
- potential-free output
- evaluation of operating and load hours
- fault alarm memory

Including calculation of:

- power consumption
- network pressure within easily adjustable pressure-limits
- air end temperature
- maintenance intervals

Text display and additional LEDs for messages and warnings.



Industry 4.0 Ready

Industry 4.0

Connect your central control system via modbus with RENNER compressors and benefit from extensive possibilities of network data exchange in real time. Whether you want to focus on status monitoring, look at fault reports, or retrieve service messages, all information is available and ready to be gathered. Communication interfaces of the control systems are used between the individual RENNER compressors and secure full access as well as full control of the compressed air station.

Intelligent interconnectedness of the components enables communication between compressed air production, air treatment as well as their optimal adjustment to achieve maximum efficiency.



Cooling

- All RENNER water injected compressors of the RSW range are available both air-cooled and water-cooled.
- The external air-water-coolers can be installed spatially separated from the compressor.
- Located on the outside, these external air-water-coolers improve the efficiency of the compressor station considerably. Thanks to that flexible choice of location, space inside the compressor room is gained and expensive exhaust ducts are avoided.
- The RSW machines are simply connected to an existing cooling-water circuit.

Energy savings: Compressors with variable speed control. The RSWF series is characterized by quality and efficiency.

RENNER screw compressors with variable speed control are designed for tough industrial applications. They come with the intelligent control and monitoring system RENNERtronic Plus.

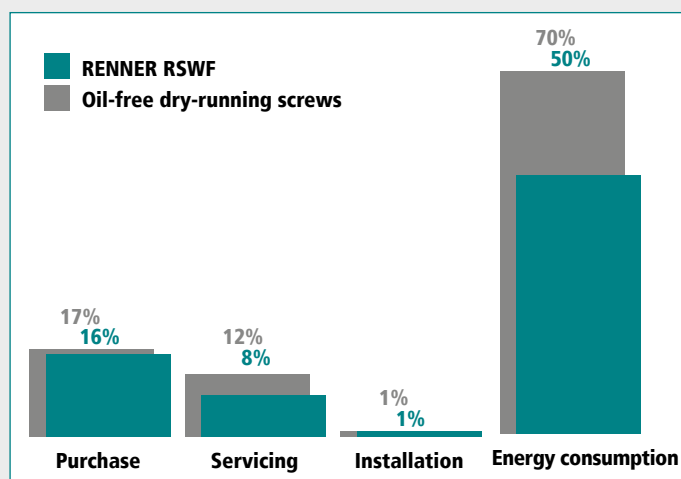
Variable speed control

Often strong fluctuations of air demand cannot be avoided. In such cases RENNER screw compressors with variable speed control guarantee a cost-efficient, steady flow of compressed air according to current demand. The compressor performance matches the actual need for compressed air thanks to variable speed control. This guarantees economic operation. The frequency converter is firmly mounted inside the switch cabinet.

Optimum use of energy: RENNER screw compressors with variable speed control

- 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

Comparison of oil-free dry-running screws and RENNER RSWF



This diagram shows that there is a savings potential of 25% of total cost, if a RENNER RSWF compressor is used instead of an oil-free dry-running screw compressor.

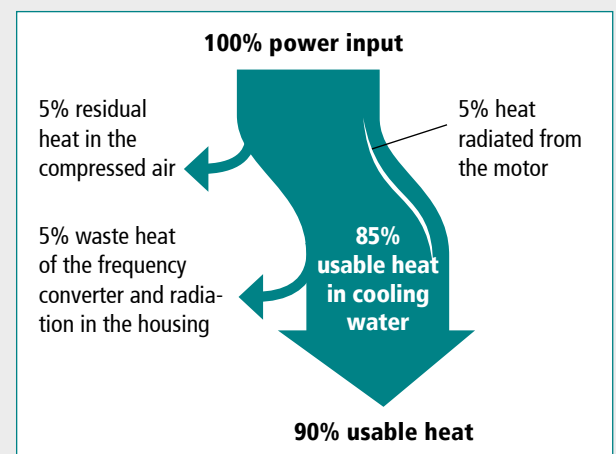


Heat recovery via integrated, highly efficient plate heat exchanger

Calculation of savings potential by using heat recovery

Model	Max. power	Potential heat recovery approx.	Fuel oil savings per year at 4000 hours per year and round 70% utilization rate	Saving per year at 0.55 €/l
	kW	kW	litres	Euro
RSWF 50.0 D	55	47	14900	8,195.–
RSWF 68.0 D	75	63	20000	11,000.–
RSWF 85.0 D	88	75	23900	13,145.–
RSWF 90.0 D	94	80	25400	13,970.–
RSWF 120.0 D	118	100	31700	17,270.–

Usable energy through heat recovery



RENNER in motion

Water-injected screw compressors work at low temperatures which results in the following advantages:

- **increased free air delivery**
- **less maintenance**
- **better efficiency**

Besides efficiency, plant operators demand high quality of compressed air according to their standards. Oil-free air production provides this quality and even represents a very cost-efficient alternative, when you take into account the risk of contamination by oil.

We can guaranty safety and reliability by using RENNER water-injected screws. Our purity requirement „100% oil-free compressed air“ is important for many of our customers in various sectors like food and beverage, research and development, pharmaceuticals and chemicals, automotive and electronics.

Many food and food packaging items come in contact with compressed air and will therefore be tested for hydrocarbons by quality control. Oil-free RENNER compressors eliminate the danger of contamination. Risk minimization and operational safety are essential, economic advantages of the RSW range.

Quality certificate SGS Institut Fresenius (excerpt)

- No additional oil vapors or oil particles were found in the exiting compressed air.
- Despite the detected input concentration of bacteria and fungi, the exiting compressed air was free of any microbiological contaminants and therefore sterile.
- The result of the measurement of the particle contamination at the intake and at the compressed air outlet confirmed that the initial particle contamination of the tested compressed air system was reduced by more than 99%.

Operating principle of RSWF screw compressors from 6-13 bar (REflex)

All RENNER compressors with variable speed control adapt in frequency and FAD flexibly and automatically to the current pressure. Thus, the compressor delivers optimum FAD within the set pressure range (6-13 bar) at all times.

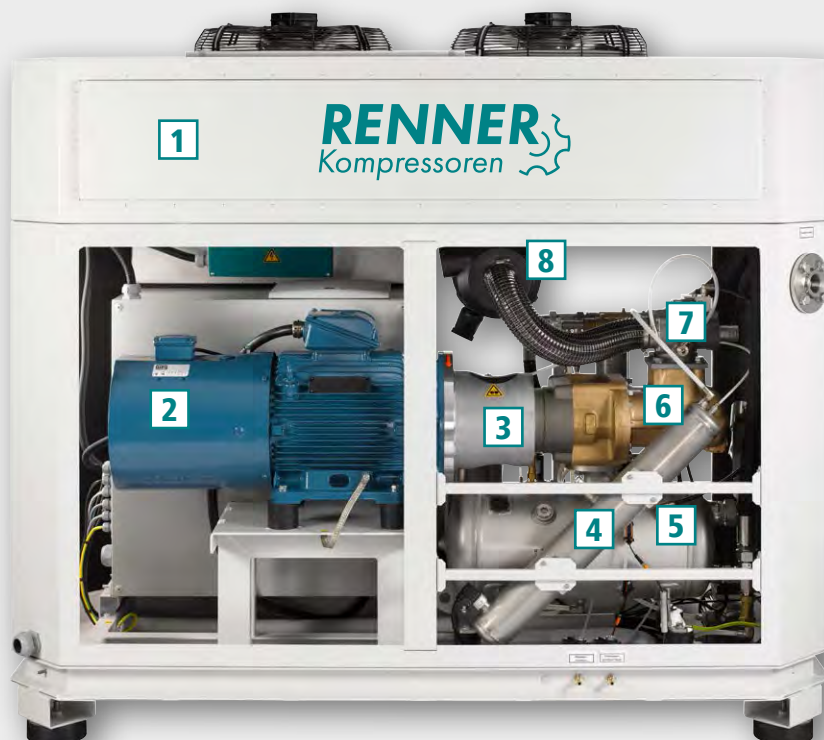
- FAD and control range automatically adapt to the current pressure.
- Speed and workload limit of the motor are observed.
- If pressure drops due to higher compressed air demand, the REflex-function releases reserves that increase FAD.
 - ▶ Thus sufficient air supply is guaranteed.
- The pressure range of 6-13 bar can be variably adjusted.



Water-injected screw compressors 18.5 – 40.0 kW, air-cooled

Water separator, water filter, and the patented system for the safe degassing of the system water ensure the best water quality. This guarantees a long service life of the compressor. The conductivity sensor continuously monitors the consistently high water quality.

- 1** Air-water-cooler
- 2** High-efficiency IE3/IE4 motor
- 3** Coupling
- 4** Slide bearings protection
- 5** Water separator
- 6** Air end
- 7** Intake control
- 8** Air filter



RSW 18.5 – 22.0 D / RSWF 26.0 – 40.0 D (air-cooled)

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Dimensions L x W x H	Weight
	6 bar		8 bar		10 bar		13 bar						
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	mm	kg
RSW 18.5 D	3.10	110	3.05	108	3.00	106	—	—	18.5	25	G1½	2171 x 942 x 1850	740
RSW 22.0 D	3.10	110	3.05	108	3.00	106	2.95	10.4	22.0	29	G1½	2171 x 942 x 1850	750
RSWF 26.0 D ⁽²⁾	1.75-4.30	62-152	2.00-4.20	71-148	2.20-3.90	78-138	—	—	26.0	35	G1½	2171 x 942 x 1850	990
RSWF 40.0 D ⁽²⁾	1.75-6.30	62-222	2.00-6.00	71-212	2.20-5.40	78-191	2.70-4.80	95-170	40.0	54	G1½	2171 x 942 x 1850	1070

⁽¹⁾ according to ISO 1217 Annex C (RSW), according to ISO 1217 Annex E (RSWF)

⁽²⁾ REFlex function: pressure range continuously variable

Standard features: RENNERtronic Plus, mixed-bed ion exchanger ensures integrated water treatment, water quality is continuously monitored, preconnected water filter with DVGW-approval incl. pressure reducer for drinking water supply.

Technical changes reserved.

Water-injected screw compressors 18.5 – 40.0 kW, water-cooled

**More flexibility,
less risk!**

The water-injected RENNER screw compressors from 18.5 to 40.0 kW with water cooling have the same design as the air-cooled version on page 5, but without air-water-cooler.

A secondary cooler can optionally be connected for an air-cooled version. The external air-water-cooler WKH allows for greatest possible flexibility, since the actual cooling of the compressor can be set up in a suitable location, even outside the compressor room. It is easy to use the waste heat in winter.



RENNER's reliable air end combined with a new, direct driven design

- more free air delivery due to direct drive
- more flexibility due to innovative cooling concept
- small footprint
- pressure range from 6 to 13 bar



Frequency converter WKH



Air-water-cooler WKH

RSW 18.5 – 22.0 D / RSWF 26.0 – 40.0 D (water-cooled)

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Dimensions L x W x H	Weight	Secondary cooler ⁽³⁾
	6 bar		8 bar		10 bar		13 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	mm	kg	
RSW 18.5 D	3.10	110	3.05	108	3.00	106	–	–	18.5	25	G1½	2157 x 942 x 1344	620	WKH 25
RSW 22.0 D	3.10	110	3.05	108	3.00	106	2.95	10.4	22.0	29	G1½	2157 x 942 x 1344	630	WKH 25
RSWF 26.0 D ⁽²⁾	1.75-4.30	62-152	2.00-4.20	71-148	2.20-3.90	78-138	–	–	26.0	35	G1½	2157 x 942 x 1344	860	WKH 40
RSWF 40.0 D ⁽²⁾	1.75-6.30	62-222	2.00-6.00	71-212	2.20-5.40	78-191	2.70-4.80	95-170	40.0	54	G1½	2157 x 942 x 1344	950	WKH 50

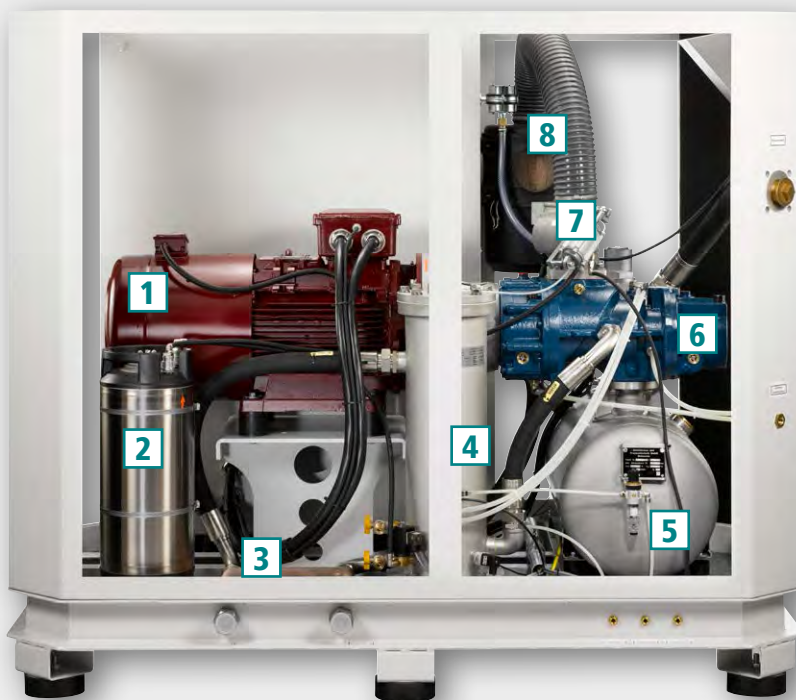
⁽¹⁾ according to ISO 1217 Annex C (RSW), according to ISO 1217 Annex E (RSWF) ⁽²⁾ Reflex function: pressure range continuously variable

⁽³⁾ not included (please order appropriate secondary coolers and pump modules for air-cooled versions)

Standard features: RENNERtronic Plus, mixed-bed ion exchanger ensures integrated water treatment, water quality is continuously monitored, preconnected water filter with DVGW-approval incl. pressure reducer for drinking water supply.

Water-injected screw compressors 37.0 – 120 kW, water-cooled

The design of RENNER RSW compressors guarantees easy access to all maintenance relevant components. The side covers are detachable to provide excellent access to all maintenance points. Furthermore the cost of maintenance is reduced by the low number of movable parts.



- 1** High-efficiency IE3/IE4 motor
- 2** Mixed-bed ion exchanger
- 3** Heat exchanger
- 4** Water filter
- 5** Water separator
- 6** Air end
- 7** Intake control
- 8** Air filter

Easy to service

- short service times, long service intervals
- low maintenance cost
- excellent accessibility
- easily detachable covers

RSW 37.0 – 90 D / RSWF 37.0 – 120 D (water-cooled)

Model	Free air delivery (REFlex) ⁽¹⁾								Motor power		Com-pressed air outlet	Dimensions L x W x H	Weight	Secondary cooler ⁽³⁾
	6 bar		8 bar		10 bar		13 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	mm	kg	
RSW 37.0 D	5.80	205	5.65	200	5.60	198	–	–	37.0	49	G2	2074 x 1307 x 1754	1520	WKH 40
RSW 45.0 D	5.80	205	5.65	200	5.60	198	5.40	191	45.0	60	G2	2074 x 1307 x 1754	1550	WKH 50
RSW 90 D	12.32	435	12.12	428	11.90	420	11.34	400	75/90 ⁽⁴⁾	100	G2½	2561 x 1632 x 1853	2050	2x WKH 40
RSWF 37.0 D ⁽²⁾	1.55-7.10	55-251	1.55-6.49	55-229	1.55-5.54	55-196	1.55-4.77	55-168	37.0	49	G2	2074 x 1307 x 1754	1580	WKH 40
RSWF 45.0 D ⁽²⁾	1.55-8.00	55-283	1.55-7.74	55-273	1.55-6.58	55-233	1.55-5.65	55-200	45.0	60	G2	2074 x 1307 x 1754	1650	WKH 50
RSWF 50.0 D ⁽²⁾	1.55-10.30	55-381	1.55-9.60	55-339	1.55-8.00	55-282	–	–	50.0	67	G2	2074 x 1307 x 1754	1650	WKH 50
RSWF 68.0 D ⁽²⁾	1.55-11.25	55-397	1.55-11.20	55-396	1.55-10.25	55-362	–	–	68.0	91	G2	2074 x 1307 x 1754	1650	2x WKH 40
RSWF 85 D – 6-8 bar ⁽²⁾	1.55-12.40	55-438	1.55-12.36	55-436	–	–	–	–	85	114	G2	2074 x 1307 x 1754	1750	2x WKH 50
RSWF 85 D – 8-13 bar ⁽²⁾⁽⁵⁾	–	–	1.55-11.43	55-404	1.55-11.43	55-404	1.55-10.12	55-357	85	114	G2	2074 x 1307 x 1754	1750	2x WKH 50
RSWF 90 D ⁽²⁾	7.60-17.52	268-619	9.60-15.85	339-560	9.40-14.20	332-501	–	–	90	120	G2½	2561 x 1632 x 1853	2280	2x WKH 50
RSWF 120 D ⁽²⁾	7.60-22.55	268-796	9.60-20.68	339-730	9.40-18.68	332-660	11.09-15.40	392-544	120	161	G2½	2561 x 1632 x 1853	2390	3x WKH 50

⁽¹⁾ according to ISO 1217 Annex C (RSW), according to ISO 1217 Annex E (RSWF) ⁽²⁾ REFlex function: pressure range continuously variable

⁽³⁾ not included (please order appropriate secondary coolers and pump modules for air-cooled versions)

⁽⁴⁾ depending on final pressure ⁽⁵⁾ Permanent magnet motor (PM-motor)

Standard features: RENNERtronic Plus, mixed-bed ion exchanger ensures integrated water treatment, water quality is continuously monitored, preconnected water filter with DVGW-approval incl. pressure reducer for drinking water supply.

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring

Industry 4.0

COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

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DIN EN ISO 9001
REG.-NR. Q1 0205013



Oil-free SCROLL compressors

RENNER SCROLL*line* compressors



oil-free
Made in Germany



Motor power: 1.5 – 30.0 kW



RENNER GmbH Kompressoren – success rooted in tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for more than 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors and complete compressed air stations.

RENNER has more than 180 employees to provide you with first-class technical advice, robust compressor engineering, and reliable service in virtually more than one hundred countries.

We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the segments of oil-free compressed air and piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



SCROLLline compressors

In food production, electronic manufacturing or the pharmaceutical industry, the quality of compressed air is of utmost importance for the production processes. The oil-free **SCROLLline**-compressors made by RENNER are specially suited to applications with high requirements for pure compressed air excluding the risk of oil contamination. The result: 100% oil-free compressed air. The high degree of reliability and low operating maintenance costs make RENNER **SCROLLline**-compressors a sound investment.

The compressed air generated is 100% oil-free

The compression of the air is continuous through the interplay between a fixed and a orbiting SCROLL element. This infinitely repeating compression process guarantees a low-pulsation compressed air flow. The few number of moving components and the use of high quality materials represent a warranty for the safe and reliable use of the machine over the entire operating time.

Versatile – less space for more compressed air generation

Their compactness and the optional refrigeration dryer allow RENNERS' **SCROLLline** compressors to fit into any environment and ensure efficiency and reliability in production. They are designed to be a versatile unit in a production environment and represent troublefree air supply for many years.

The multiple compressor system with two, three or four independently working compressor units is particularly suited to applications with greatly fluctuating compressed air consumption or for applications that absolutely require reserve capacity for additional safety.

The Base Load Change Over of the control RENNERtronic Plus integrated in the multiple compressor systems in the **SCROLLline SuperSilent**-range optimises the use of several SCROLL compressors to a tee. This ensures that an exact performance identity is reached across all available units. The effectiveness of the compressor is optimised by the control. Status and monitoring messages are shown large and clearly in the display.

As a **SCROLLline SuperSilent**-model, these compressors are also suitable for operating in control workplace environment. Noise levels from 52 dB(A) speak for themselves.

The right model for purer air

You can expect more from RENNER, the innovative manufacturer with experience in the development and manufacture of **SCROLLline** compressors. The result is an extensive range of oil-free **SCROLLline** compressors – a clean solution for those who want more.

Advantages of the RENNERtronic Plus

- Easier operation due to a larger display
- Integrated timer with 7 channels
- Displays
 - the power consumption
 - the mains pressure within easily adjustable pressure limit
 - the compressor temperature
 - faults / fault message storage
 - maintenance intervals

Easy to operate thanks to text display of all messages and additional light-emitting diodes.



Advantages of RENNERtronic Touch

- Smartphone-like operation
- Events history
- Pressure and temperature diagram with hourly scaling
- Scheduler with six channels
- USB-port
- Easy upgrade to RENNERtronic Plus Touch
- Service indicator
- Display of compressor utilisation
- Different code levels
- Flexible inputs and outputs
- Control of frequency converters

**WITH NEW CONTROL
RENNERTRONIC (PLUS) TOUCH
FROM 1,5 – 7,5 KW***

Advantages of RENNERtronic Plus Touch

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

- 7" touchscreen
- Scheduler with eight channels
- Pressure and temperature diagram with daily, weekly and monthly scaling
- Base Load Change Over



* Multiple compressors to follow 2022 with new control RENNERtronic Plus Touch



SCROLL compressors

SL-I 1.5 – 7.5
SLK-I 1.5 – 7.5 with refrigeration dryer

SCROLLline
Industry

oil-free
Made in Germany

SL-I 1.5 – 7.5 / SLK-I 1.5 – 7.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Dimensions L x W x H mm	Weight kg
	8 bar		10 bar		kW	HP		8 bar	10 bar		
	l/min	cfm	l/min	cfm			inch				
SL-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	760 x 550 x 920	137
SL-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	760 x 550 x 920	140
SL-I 3.7	397	14.00	360	12.70	3.7	5.0	G½	68	68	760 x 550 x 920	158
SL-I 4.5	–	–	405	14.30	4.5	6.0	G½	–	68	760 x 550 x 920	181
SL-I 5.5	627	22.15	520	18.35	5.5	7.5	G½	69	67	760 x 550 x 920	181
SL-I 7.5	890	31.45	755	26.65	7.5	10.0	G½	69	68	760 x 550 x 920	195
SLK-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	1015 x 550 x 920	167
SLK-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	1015 x 550 x 920	170
SLK-I 3.7	397	14.00	360	12.70	3.7	5.0	G½	68	68	1015 x 550 x 920	188
SLK-I 4.5	–	–	405	14.30	4.5	6.0	G½	–	68	1015 x 550 x 920	211
SLK-I 5.5	627	22.15	520	18.35	5.5	7.5	G½	69	67	1015 x 550 x 920	211
SLK-I 7.5	890	31.45	755	26.65	7.5	10.0	G½	69	68	1015 x 550 x 920	225

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Touch	29525
Electronic control RENNERtronic Plus Touch	22297
Rotation direction control via phase rotation control	10867
Star-delta starter for 1.5 + 2.2 kW (from 5.5 kW inclusive)	on request
Star-delta starter for 3.7 + 4.5 kW (from 5.5 kW inclusive)	on request
Level actuated drain for refrigeration dryer	05311
Pre-filter frame including filter mat for SL-I	15217
Set of pre-filter frames including filter mats for SLK-I	15068
Motor 230 V / single phase for 1.5 kW	24073
Motor 230 V / single phase for 2.2 kW	24074
External suctioning	on request

SCROLL compressors

SLD-I 1.5 – 7.5 on horizontal galvanized air receiver
SLDK-I 1.5 – 7.5 on galvanized air receiver,
with refrigeration dryer

all with certificate before start-up
all air receivers according to AD2000 directives

SCROLLline
Industry

oil-free
Made in Germany



SLD-I 1.5 – 7.5 / SLDK-I 1.5 – 7.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Air receiver	Dimensions L x W x H	Weight
	8 bar		10 bar					8 bar	10 bar			
	l/min	cfm	l/min	cfm	kW	HP	inch			8 bar	10 bar	ltr
SLD-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	90	982 x 550 x 1390	180
SLD-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	90	982 x 550 x 1390	183
SLD-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	2x90	982 x 755 x 1462	233
SLD-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	2x90	982 x 755 x 1462	236
SLD-I 3.7	397	14.00	360	12.70	3.7	5.0	G½	68	68	2x90	982 x 755 x 1462	254
SLD-I 4.5	–	–	405	14.30	4.5	6.0	G½	–	68	2x90	982 x 755 x 1462	277
SLD-I 5.5	627	22.15	520	18.35	5.5	7.5	G½	69	67	2x90	982 x 755 x 1462	277
SLD-I 7.5	890	31.45	755	26.65	7.5	10.0	G½	69	68	2x90	982 x 755 x 1462	291
SLDK-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	90	1051 x 550 x 1390	210
SLDK-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	90	1051 x 550 x 1390	213
SLDK-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	2x90	1051 x 755 x 1462	263
SLDK-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	2x90	1051 x 755 x 1462	266
SLDK-I 3.7	397	14.00	360	12.70	3.7	5.0	G½	68	68	2x90	1051 x 755 x 1462	284
SLDK-I 4.5	–	–	405	14.30	4.5	6.0	G½	–	68	2x90	1051 x 755 x 1462	307
SLDK-I 5.5	627	22.15	520	18.35	5.5	7.5	G½	69	67	2x90	1051 x 755 x 1462	307
SLDK-I 7.5	890	31.45	755	26.65	7.5	10.0	G½	69	68	2x90	1051 x 755 x 1462	321

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Touch	29525
Electronic control RENNERtronic Plus Touch	22297
Star-delta starter for 1.5 + 2.2 kW (from 5.5 kW inclusive)	–
Star-delta starter for 3.7 + 4.5 kW (from 5.5 kW inclusive)	–
Rotation direction control via phase rotation control	10867
Galvanized 4x90 ltr air receiver (supplement on galvanized 2x90 ltr air receiver version)	25984
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90/4x90 ltr air receiver with level-controlled condensate drain	13274
Level actuated drain for refrigeration dryer	05311
Pre-filter frame including filter mat for SLD-I	15217
Set of pre-filter frames including filter mats for SLDK-I	15068
Motor 230 V / single phase for 1.5 kW	24073
Motor 230 V / single phase for 2.2 kW	24074
External suctioning	–



SCROLL compressors

SLD-I 1.5 – 7.5 on galvanized air receiver
SLDK-I 1.5 – 7.5 on galvanized air receiver,
with refrigeration dryer

SCROLLline
Industry

oil-free
Made in Germany

air receivers according to AD2000 directives (with hand-hole)

SLD-I 1.5 – 7.5 / SLDK-I 1.5 – 7.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Air receiver	Dimensions L x W x H	Weight
	8 bar		10 bar					8 bar	10 bar			
	l/min	cfm	l/min	cfm	kW	HP	inch			8 bar	10 bar	ltr
SLD-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	250	1405 x 617 x 1535	222
SLD-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	250	1405 x 617 x 1535	225
SLD-I 3.7	397	14.00	360	12.70	3.7	5.0	G½	68	68	250	1405 x 617 x 1535	243
SLD-I 4.5	–	–	405	14.30	4.5	6.0	G½	–	68	250	1405 x 617 x 1535	266
SLD-I 5.5	627	22.15	520	18.35	5.5	7.5	G½	69	67	250	1405 x 617 x 1535	266
SLD-I 7.5	890	31.45	755	26.65	7.5	10.0	G½	69	68	250	1405 x 617 x 1535	280
SLDK-I 1.5	160	5.65	–	–	1.5	2.0	G½	65	–	250	1405 x 617 x 1535	252
SLDK-I 2.2	238	8.40	195	6.90	2.2	3.0	G½	67	65	250	1405 x 617 x 1535	255
SLDK-I 3.7	397	14.00	360	12.70	3.7	5.0	G½	68	68	250	1405 x 617 x 1535	273
SLDK-I 4.5	–	–	405	14.30	4.5	6.0	G½	–	68	250	1405 x 617 x 1535	296
SLDK-I 5.5	627	22.15	520	18.35	5.5	7.5	G½	69	67	250	1405 x 617 x 1535	296
SLDK-I 7.5	890	31.45	755	26.65	7.5	10.0	G½	69	68	250	1405 x 617 x 1535	310

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Touch	29525
Electronic control RENNERtronic Plus Touch	22297
Star-delta starter for 1.5 + 2.2 kW (from 5.5 kW inclusive)	on request
Star-delta starter for 3.7 + 4.5 kW (from 5.5 kW inclusive)	on request
Rotation direction control via phase rotation control	10867
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Level actuated drain for refrigeration dryer	05311
Pre-filter frame including filter mat for SLD-I	15217
Set of pre-filter frames including filter mats for SLDK-I	15068
Motor 230 V / single phase for 1.5 kW	24073
Motor 230 V / single phase for 2.2 kW	24074
External suctioning	on request



RENNER

Kompressoren



CLEAN!

Oil-free SCROLL compressors

- 100% oil-free
- 8 + 10 bar
- Efficient and reliable
- Space-saving design
- 90 / 2x90 ltr air receiver according to AD2000 directives
- Rear duct silencer for operation in working area
- Multiple compressor for fluctuating air demand or as backup
- Short delivery time



SCROLL compressors

SL-S 1.5 – 7.5

SLK-S 1.5 – 7.5 with refrigeration dryer

SCROLLline
SuperSilent

oil-free
Made in Germany

SL-S 1.5 – 7.5 / SLK-S 1.5 – 7.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Dimensions L x W x H mm	Weight kg
	8 bar		10 bar		kW	HP		8 bar	10 bar		
	l/min	cfm	l/min	cfm			inch				
SL-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	910 x 550 x 920	157
SL-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	910 x 550 x 920	160
SL-S 3.7	397	14.00	360	12.70	3.7	5.0	G½	54	54	910 x 550 x 920	178
SL-S 4.5	–	–	405	14.30	4.5	6.0	G½	–	54	910 x 550 x 920	201
SL-S 5.5	627	22.15	520	18.35	5.5	7.5	G½	59	57	910 x 550 x 920	201
SL-S 7.5	890	31.45	755	26.65	7.5	10.0	G½	63	61	910 x 550 x 920	215
SLK-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	1165 x 550 x 920	187
SLK-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	1165 x 550 x 920	190
SLK-S 3.7	397	14.00	360	12.70	3.7	5.0	G½	54	54	1165 x 550 x 920	208
SLK-S 4.5	–	–	405	14.30	4.5	6.0	G½	–	54	1165 x 550 x 920	231
SLK-S 5.5	627	22.15	520	18.35	5.5	7.5	G½	59	57	1165 x 550 x 920	231
SLK-S 7.5	890	31.45	755	26.65	7.5	10.0	G½	63	61	1165 x 550 x 920	245

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Touch	29525
Electronic control RENNERtronic Plus Touch	22297
Star-delta starter for 1.5 + 2.2 kW (from 5.5 kW inclusive)	on request
Star-delta starter for 3.7 + 4.5 kW (from 5.5 kW inclusive)	on request
Rotation direction control via phase rotation control	10867
Level actuated drain for refrigeration dryer	05311
Pre-filter frame including filter mat for SL-S / SLK-S	03152
Motor 230 V / single phase for 1.5 kW	24073
Motor 230 V / single phase for 2.2 kW	24074
External suctioning	on request

SCROLL compressors

SLD-S 1.5 – 7.5 on galvanized air receiver
SLDK-S 1.5 – 7.5 on galvanized air receiver,
with refrigeration dryer

all with certificate before start-up
air receivers according to AD2000 directives

SCROLLline
SuperSilent

oil-free
Made in Germany



SLD-S 1.5 – 7.5 / SLDK-S 1.5 – 7.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Air receiver	Dimensions L x W x H mm	Weight kg
	8 bar		10 bar		kW	HP		8 bar	10 bar			
	l/min	cfm	l/min	cfm			inch			ltr		
SLD-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	90	982 x 550 x 1390	200
SLD-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	90	982 x 550 x 1390	203
SLD-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	2x90	982 x 755 x 1462	253
SLD-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	2x90	982 x 755 x 1462	256
SLD-S 3.7	397	14.00	360	12.70	3.7	5.0	G½	54	54	2x90	982 x 755 x 1462	274
SLD-S 4.5	–	–	405	14.30	4.5	6.0	G½	–	54	2x90	982 x 755 x 1462	297
SLD-S 5.5	627	22.15	520	18.35	5.5	7.5	G½	59	57	2x90	982 x 755 x 1462	297
SLD-S 7.5	890	31.45	755	26.65	7.5	10.0	G½	63	61	2x90	982 x 755 x 1462	311
SLDK-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	90	1165 x 550 x 1390	230
SLDK-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	90	1165 x 550 x 1390	233
SLDK-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	2x90	1165 x 755 x 1462	283
SLDK-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	2x90	1165 x 755 x 1462	286
SLDK-S 3.7	397	14.00	360	12.70	3.7	5.0	G½	54	54	2x90	1165 x 755 x 1462	304
SLDK-S 4.5	–	–	405	14.30	4.5	6.0	G½	–	54	2x90	1165 x 755 x 1462	327
SLDK-S 5.5	627	22.15	520	18.35	5.5	7.5	G½	59	57	2x90	1165 x 755 x 1462	327
SLDK-S 7.5	890	31.45	755	26.65	7.5	10.0	G½	63	61	2x90	1165 x 755 x 1462	341

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Touch	29525
Electronic control RENNERtronic Plus Touch	22297
Star-delta starter for 1.5 + 2.2 kW (from 5.5 kW inclusive)	on request
Star-delta starter for 3.7 + 4.5 kW (from 5.5 kW inclusive)	on request
Rotation direction control via phase rotation control	10867
Galvanized 4x90 ltr air receiver (supplement on galvanized 2x90 ltr air receiver version)	25984
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90/4x90 ltr air receiver with level-controlled condensate drain	13274
Level actuated drain for refrigeration dryer	05311
Pre-filter frame including filter mat for SLD-S / SLDK-S	03152
Motor 230 V / single phase for 1.5 kW	24073
Motor 230 V / single phase for 2.2 kW	24074
External suctioning	–



SCROLL compressors

SLD-S 1.5 – 7.5 on galvanized air receiver
SLDK-S 1.5 – 7.5 on galvanized air receiver,
with refrigeration dryer

SCROLL*line*
SuperSilent

oil-free
Made in Germany

air receivers according to AD 2000 directives (with hand-hole)

SLD-S 1.5 – 7.5 / SLDK-S 1.5 – 7.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Air receiver	Dimensions L x W x H mm	Weight kg
	8 bar		10 bar		kW	HP		8 bar	10 bar			
	l/min	cfm	l/min	cfm			inch			ltr		
SLD-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	250	1405 x 617 x 1535	242
SLD-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	250	1405 x 617 x 1535	245
SLD-S 3.7	397	14.00	360	12.70	3.7	5.0	G½	54	54	250	1405 x 617 x 1535	263
SLD-S 4.5	–	–	405	14.30	4.5	6.0	G½	–	54	250	1405 x 617 x 1535	286
SLD-S 5.5	627	22.15	520	18.35	5.5	7.5	G½	59	57	250	1405 x 617 x 1535	286
SLD-S 7.5	890	31.45	755	26.65	7.5	10.0	G½	63	61	250	1405 x 617 x 1535	300
SLDK-S 1.5	160	5.65	–	–	1.5	2.0	G½	52	–	250	1405 x 617 x 1535	272
SLDK-S 2.2	238	8.40	195	6.90	2.2	3.0	G½	55	53	250	1405 x 617 x 1535	275
SLDK-S 3.7	397	14.00	360	12.70	3.7	5.0	G½	54	54	250	1405 x 617 x 1535	293
SLDK-S 4.5	–	–	405	14.30	4.5	6.0	G½	–	54	250	1405 x 617 x 1535	316
SLDK-S 5.5	627	22.15	520	18.35	5.5	7.5	G½	59	57	250	1405 x 617 x 1535	316
SLDK-S 7.5	890	31.45	755	26.65	7.5	10.0	G½	63	61	250	1405 x 617 x 1535	330

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Touch	29525
Electronic control RENNERtronic Plus Touch	22297
Rotation direction control via phase rotation control	10867
Star-delta starter for 1.5 + 2.2 kW (from 5.5 kW inclusive)	on request
Star-delta starter for 3.7 + 4.5 kW (from 5.5 kW inclusive)	on request
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Level actuated drain for refrigeration dryer	05311
Pre-filter frame including filter mat for SLD-S / SLDK-S	03152
Motor 230 V / single phase for 1.5 kW	24073
Motor 230 V / single phase for 2.2 kW	24074
External suctioning	on request

SCROLL compressors multiple compressor units

SLM-S 7.5 – 30.0

SLKM-S 7.5 – 22.0 with integrated refrigeration dryer

SLDM-S 7.5 – 15.0 on galvanized air receiver

SLDKM-S 7.5 – 11.0 on galvanized air receiver,
with integrated refrigeration dryer

all with electronic control RENNERtronic Plus

air receivers according to AD 2000 directives (with hand hole)

SCROLLline
SuperSilent

oil-free
Made in Germany



SLM-S 7.5 – 30.0 / SLKM-S 7.5 – 22.0 / SLDM-S 7.5 – 15.0 / SLDKM-S 7.5 – 11.0

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level dB(A) ⁽²⁾		Air receiver	Dimensions L x W x H mm	Weight kg
	8 bar		10 bar		kW	HP		8 bar	10 bar			
	l/min	cfm	l/min	cfm			inch			ltr		
SLM-S 7.5	794	28	720	25	2x 3.7	2x 5.0	G1	58	58	–	1400 x 920 x 1020	435
SLM-S 9.0	–	–	810	28	2x 4.5	2x 6.0	G1	–	59	–	1400 x 920 x 1020	465
SLM-S 11.0	1254	44	1040	37	2x 5.5	2x 7.5	G1	61	60	–	1400 x 920 x 1020	465
SLM-S 13.5	–	–	1215	43	3x 4.5	3x 6.0	G1	–	62	–	1400 x 920 x 1890	820
SLM-S 15.0	1780	63	1510	40	2x 7.5	2x 10.0	G1	65	64	–	1400 x 920 x 1020	485
SLM-S 16.5	1880	66	1560	55	3x 5.5	3x 7.5	G1	64	63	–	1400 x 920 x 1890	820
SLM-S 22.0	2510	89	2080	74	4x 5.5	4x 7.5	G1	66	65	–	1400 x 920 x 1890	955
SLM-S 22.5	2670	95	2265	79	3x 7.5	3x 10.0	G1	68	67	–	1400 x 920 x 1890	840
SLM-S 30.0	3560	125	3020	106	4x 7.5	4x 10.0	G1	71	70	–	1400 x 920 x 1890	975
SLKM-S 7.5	794	28	720	25	2x 3.7	2x 5.0	G1	58	58	–	1400 x 920 x 1020	465
SLKM-S 9.0	–	–	810	28	2x 4.5	2x 6.0	G1	–	59	–	1400 x 920 x 1020	500
SLKM-S 11.0	1254	44	1040	37	2x 5.5	2x 7.5	G1	61	60	–	1400 x 920 x 1020	510
SLKM-S 13.5	–	–	1215	43	3x 4.5	3x 6.0	G1	–	62	–	1400 x 920 x 1890	750
SLKM-S 16.5	1880	66	1560	55	3x 5.5	3x 7.5	G1	64	63	–	1400 x 920 x 1890	750
SLKM-S 22.0	2510	89	2080	74	4x 5.5	4x 7.5	G1	66	65	–	1400 x 920 x 1890	1040
SLDM-S 7.5	794	28	720	25	2x 3.7	2x 5.0	G1	58	58	500	1810 x 948 x 1811	645
SLDM-S 9.0	–	–	810	28	2x 4.5	2x 6.0	G1	–	59	500	1810 x 948 x 1811	675
SLDM-S 11.0	1254	44	1040	37	2x 5.5	2x 7.5	G1	61	60	500	1810 x 948 x 1811	675
SLDM-S 15.0	1780	63	1510	40	2x 7.5	2x 10.0	G1	65	64	500	1810 x 948 x 1811	695
SLDKM-S 7.5	794	28	720	25	2x 3.7	2x 5.0	G1	58	58	500	1810 x 948 x 1811	675
SLDKM-S 9.0	–	–	810	28	2x 4.5	2x 6.0	G1	–	59	500	1810 x 948 x 1811	710
SLDKM-S 11.0	1254	44	1040	37	2x 5.5	2x 7.5	G1	61	60	500	1810 x 948 x 1811	720

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Standard features: Base Load Change Over operation by RENNERtronic Plus, loss free automatic condensate drain (only for SLKM-S / SLDKM-S), rotation direction control via phase rotation control.

Options

External suctioning

Part no.

on request

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring



COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

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DIN EN ISO 9001
REG.-NR. Q1 0205013



Oil-free SCROLL compressors

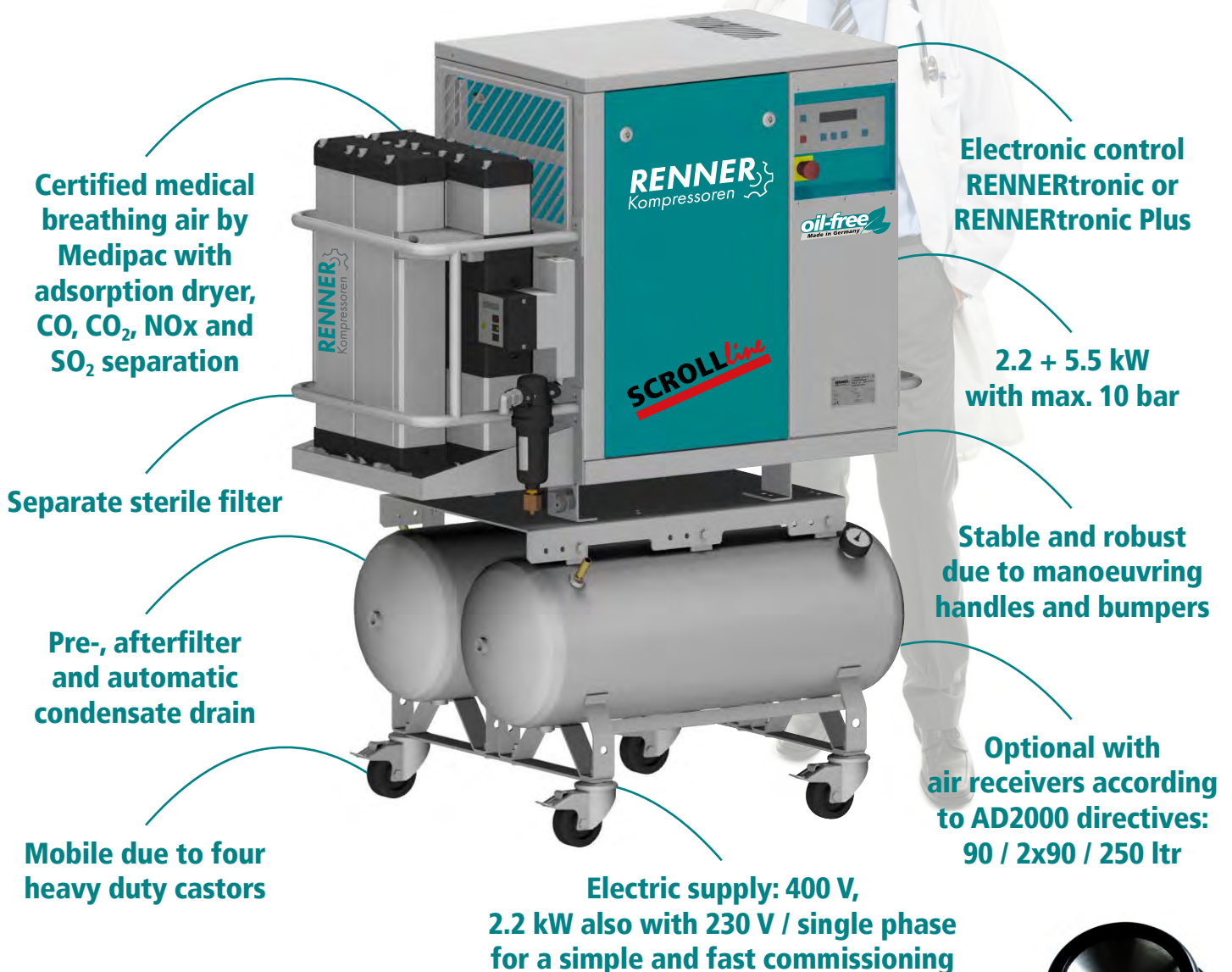
Mobile breathing air



The SLT-I MEDI was developed especially for the medical application. The mobile SCROLL compressor with electronic control RENNERtronic and integrated Medipac delivers clean, dry and oil-free compressed air in breathing air quality.



RENNER has the right compressor for you.

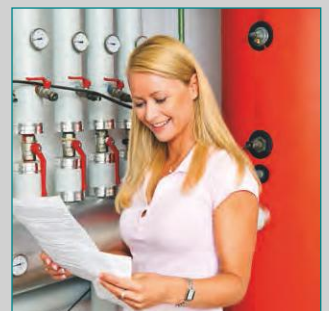
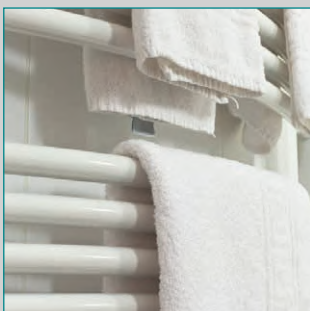


Screw compressors

**Heat recovery: Saves money
and helps the environment!**



Made in
Germany

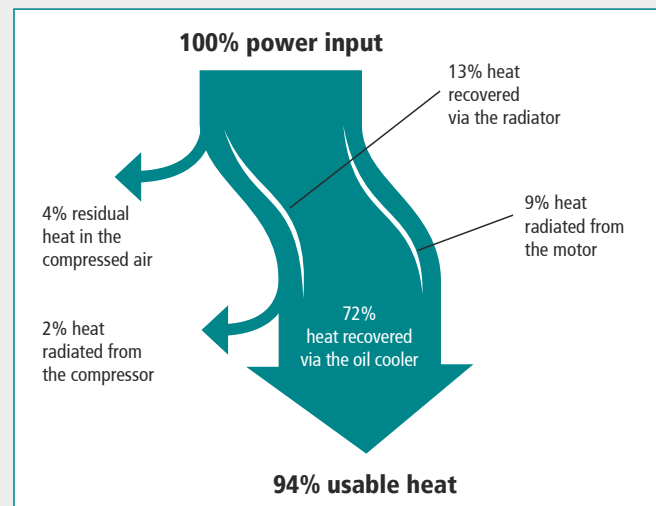


Heat recovery – an investment that pays off quickly!

When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. RENNER has developed an effective system for heat recovery. This allows you to recover up to 94% of the electrical energy heat in the form of hot air, industrial water or heating water.

You can use the hot air via exhaust air ducts to heat rooms and premises. By using an oil-water heat exchanger you can warm up your industrial and heating water to a temperature of 65°C. This makes perfect sense ecologically and saves a lot of money!

Usable heat at optimally matched heat recovery:



External heat recovery stand-alone unit – set up, connect, benefit!

The various external heat exchangers are mounted in a separate box. This has the advantage that you can retrofit a heat recovery unit to existing screw compressors. The compact box requires only little space and its installation is amazingly easy. The integration into an existing water circuit is done by a plumber. No external energy source is required for operation!

We supply the external heat exchanger box for retrofitting to the following compressors:

RS-PRO 7.5 – 18.5

RS 18.5 – 1-30.0

RS-PRO 2-30.0 – 55.0

RS 55.0 – 132

Also for compressors with variable speed control.



Heat recovery with integrated heat exchanger

The heat exchangers are mounted inside the RENNER screw compressor and are fully integrated into the compressor's oil circuit. The existing water connections on the housing allow you quick and easy integration of the water circuit. Installation in the screw compressor eliminates the additional installation space needed for an external housing.

The built-in heat exchanger is available for the following compressors:

RS-PRO 2-11.0 – 18.5

RS 18.5 – 1-30.0

RS-PRO 2-30.0 – 55.0

RS 55.0 – 250

Also available for compressors with variable speed control and as safety heat exchanger.



Heat exchanger

Potential annual savings using standard heat exchangers!

- standard: inlet temp. 15 °C, outlet temp. 65 °C (industrial water) or inlet temp. 35 °C, outlet temp. 65 °C (reflux heating)
- other temperature ranges on request

The potential annual savings can be calculated using the following formula:

Usable energy (kW) x hours (h) x fuel oil price (€)

Calorific value of the oil (kWh/l) x heating efficiency factor



Factors used		
Compressor	RS-PRO 15.0	RS 55.0
Power consumption in kW	18.30	58.57
Usable energy (72%) in kW	13.18	42.17
Compressor running time in h/d	8	8
Heating season (Oct.-May) in days	210	210
Heating oil price in €/l	0.8	0.8
Calorific value of fuel oil in kWh/l	9.86	9.86
Efficiency of fuel oil for heating	85%	85%

Potential annual savings when using a heat exchanger in a RENNER RS-PRO 15.0:

$$\frac{13.18 \text{ kW} \times 1680 \text{ h} \times 0.8 \text{ €}}{9.86 \text{ kWh/l} \times 0.85} = \underline{\underline{2,113.58 \text{ Euro}}}$$

Potential annual savings when using a heat exchanger in the RENNER RS 55.0:

$$\frac{42.17 \text{ kW} \times 1680 \text{ h} \times 0.8 \text{ €}}{9.86 \text{ kWh/l} \times 0.85} = \underline{\underline{6,762.50 \text{ Euro}}}$$

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 Industry 4.0

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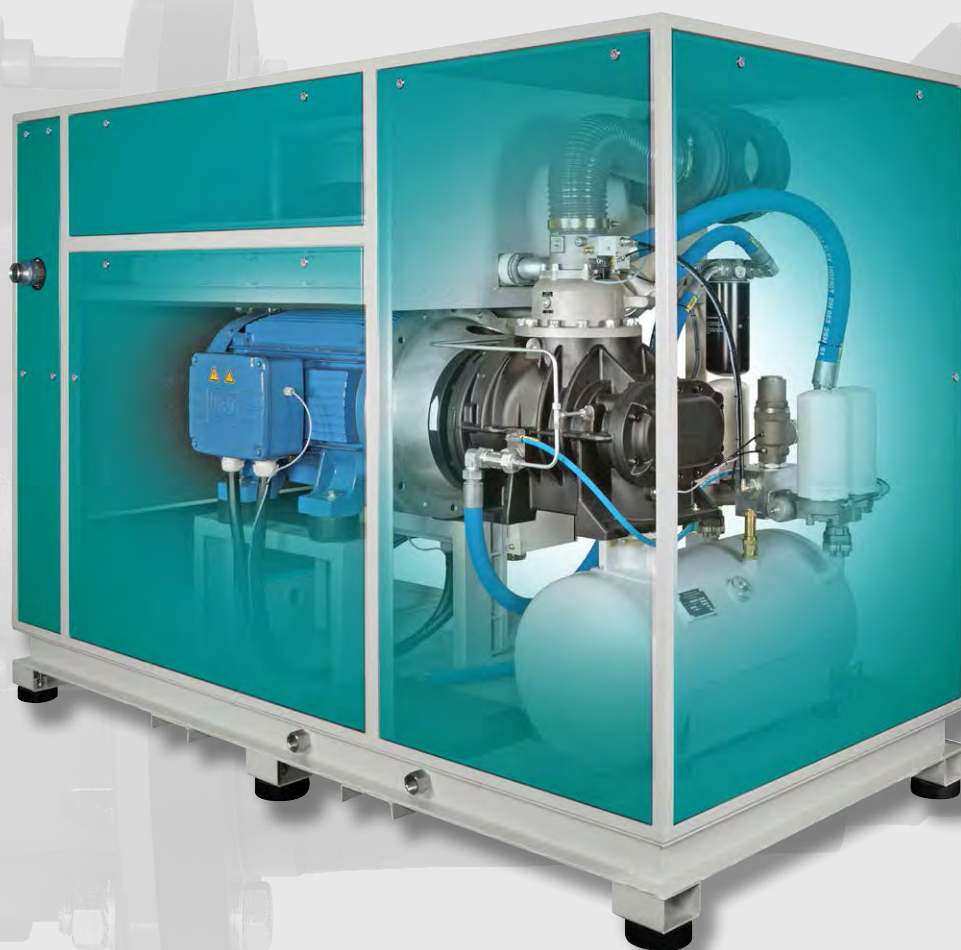


Screw compressors

RS 132 – 315 D / RS 355 DW

RSF 110 – 315 D / RSF 355 DW

with direct drive



Motor power: 110 – 355 kW



RENNER GmbH Kompressoren – success rooted in tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for more than 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors and complete compressed air stations.

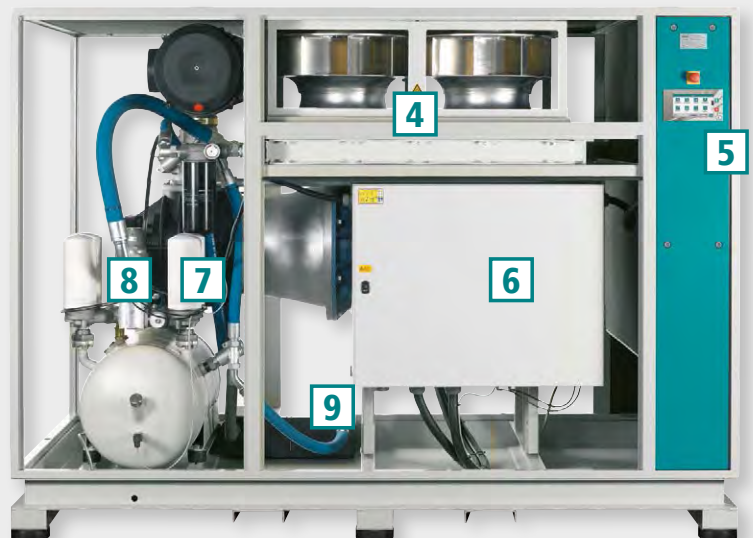
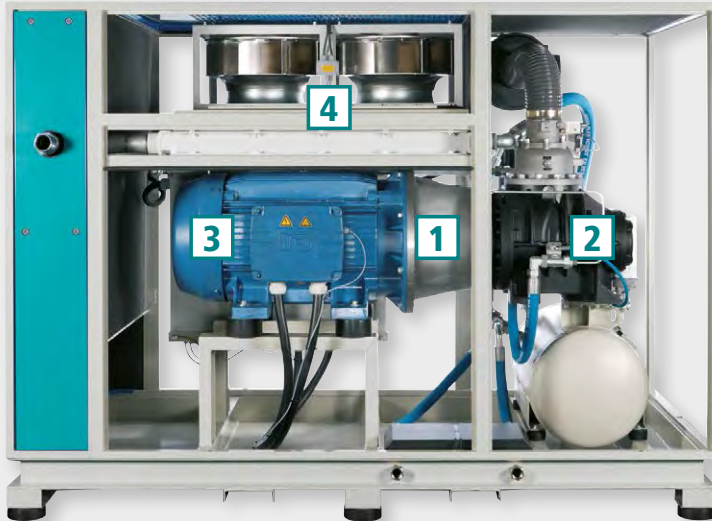
RENNER has more than 180 employees to provide you with first-class technical advice, robust compressor engineering, and reliable service in virtually more than one hundred countries.

We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the segments of oil-free compressed air and piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



RENNER – the expert in screw compressors.

Easy removable service panels ensure excellent accessibility to all control- and maintenance-related components.

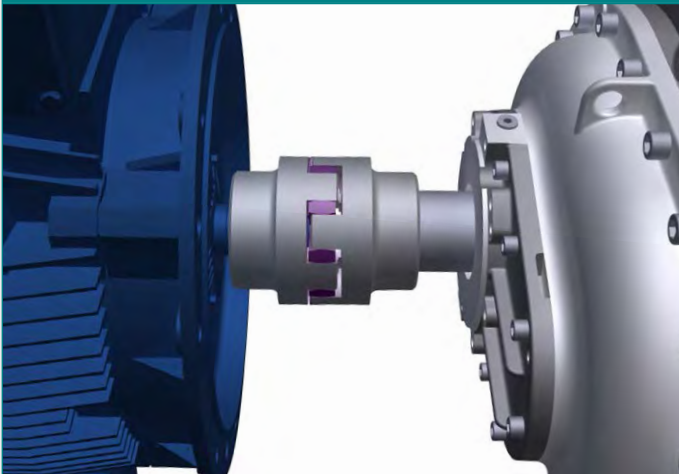


- 1** Direct drive – soft start, almost zero loss power transmission
- 2** Air end – efficient and effective to the highest standards
- 3** Electric motor – economical and robust
- 4** Cooler unit – large surface area, highest performance and effectiveness for quieter running
- 5** Electronic control – intelligent, fast response with full digital monitoring (two variants possible)
- 6** Control cabinet – optionally with integrated, energy saving frequency converter
- 7** Separation system – guarantees consistent compressed air quality
- 8** Oil circuit – works efficiently with long maintenance intervals
- 9** Plate heat exchanger – innovative and economic heat recovery

RENNER compressors – easy installation and cost-efficient maintenance.

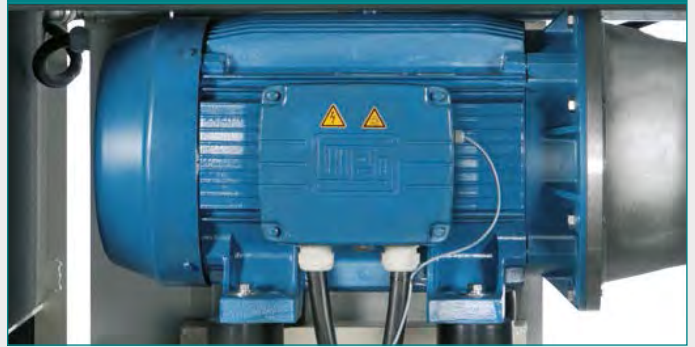
RENNER direct driven compressors in detail

Drives and electrics



Direct drive – the compressor block is directly connected to the drive motor. The almost loss-free power transmission guarantees reliable, high-performance compressor operation. The regular maintenance requirement is reduced to lubrication of the motor. All the electronic components are brand products of leading manufacturers. The control cabinet is integrated in the system and is situated in the cooled-off air flow. All machines are equipped with the electronic control RENNERtronic Touch as standard or optionally with the RENNERtronic Plus Touch.

Electric motor



Only electric motors from well-known manufacturers of protection class IP55 are used. As a standard, the drive motors are monitored and proven both thermally (via the thermistor of the motor) as well as electronically (overload protection via the frequency converter). The load on the motor is reduced on starting and during operations due to the direct drive combined with a high quality, maintenance-free shaft coupling with a modern isolating element. The drive motors of compressors with variable speed control are equipped with antistatic bearing shields as standard.

Cooler unit



Compressors up to 160 kW are equipped with two parallel radial fans with a high residual thrust. Compared to a traditional cooling system, the radial fans require less drive energy and operate quietly and powerfully. RENNER compressors with more than 160 kW are equipped with an effective axial fan. Variable speed control is optionally available. When it comes to conception and design, we work closely with German fan manufacturers for the best cooling air flow and vibration-free operation. The units can be optionally equipped with air inlet filter mats for applications with a high level of ambient dust exposure. With generously sized oil and compressed air aftercoolers as well as integrated oil temperature control, the units run perfectly even at high ambient temperatures. The compressors can be operated with open doors without overheating.

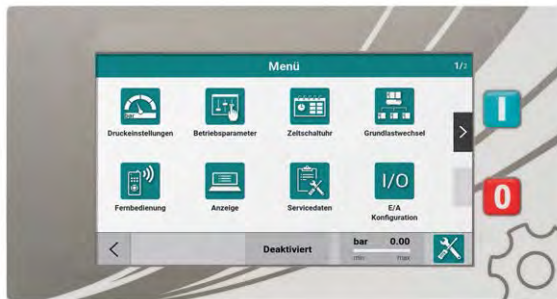
Air end block – reliable centrepiece



The centrepiece of the compressor is the air end, which is constructed and manufactured with the most modern production methods in Germany. The optimal air end for your compressor can be used on a modulating basis. In units with variable speed control, where the operating pressure changes, adjustments can also be made on the frequency converter to optimally adjust the speed of the compressor to the compressor performance. The unit is thus precisely designed to the customer's compressed air requirements and power is used economically.

RENNER direct driven compressors in detail

Control

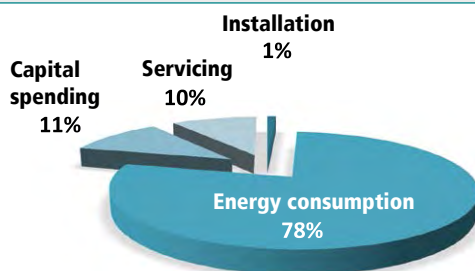


Compressed air supply must be reliable and economical. This is guaranteed with an intelligent control both for single compressors as well as for RENNER compressed air stations. Compressors of other manufacturers can also be connected to our controls. Please see page 7 for detailed information on the controls.

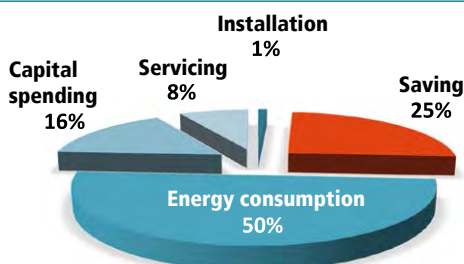
Frequency converter

The frequency converter minimises idle times and optimises supply with fluctuating compressed air requirements. Start-up peaks are avoided and the compressor's delivery rate is controlled continuously – that saves electricity costs! The total costs for your compressed air supply are significantly reduced and investment costs are amortised in the shortest possible time.

Fixed speed compressors:



RENNER's RSF compressors with variable speed control (savings after 5 years):



Oil separation system



Compressors up to 160 kW are equipped with external separators which can be changed in a simple spin-off/spin-on process. Larger units have an internal separator cartridge. Due to the excellent separation efficiency of the system as a whole, the compressors can be used in the pressure range of 5.0 to 15.0 bar. Special pressures on request.

Oil circuit



The amount of oil in the units is determined in such a way as to extend the oil change intervals (depending on ambient conditions). An oil level sensor is integrated as standard and is read by the controller. All the units in this series have a horizontal oil separation vessel in which the oil is separated from the compressed air highly efficiently at low speeds. The large surface area of the oil in a horizontal oil separation vessel is a major factor in the prevention of foam build-up.

Optional: internal and external heat recovery.

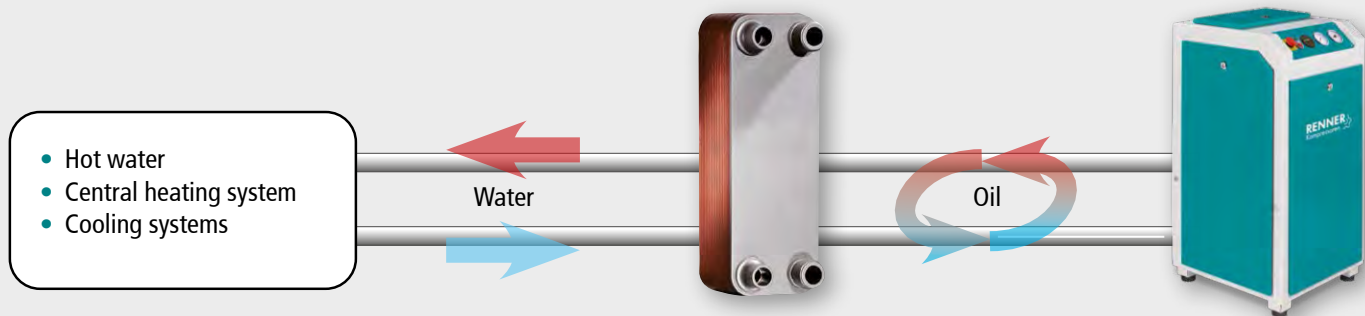
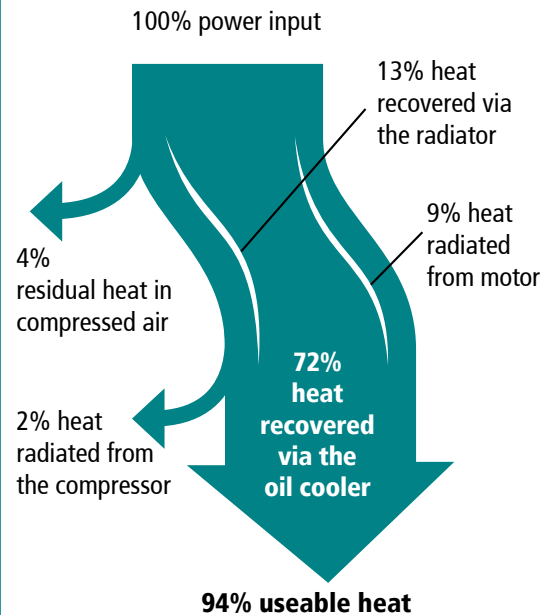


When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. With RENNER heat recovery, you can regain up to 94% of the energy you have already used as heat in the form of hot air, industrial water or hot water. This makes perfect sense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

Heat recovery via plate heat exchanger: the heat exchangers feature a very simple installation, the integration into the existing water cycle is done by an installer. No external energy is required for the operation.

- For RENNER screw compressors 7.5 – 250 kW
- Standard: inlet temp. 15°C, outlet temp. 65°C (industrial water)
or
inlet temp. 35°C, outlet temp. 65°C (reflux heating)
- Other temperature ranges available on request
- Safety heat exchanger (drinking water)
- Retrofitting available on request

Useable heat with optimally matched heat recovery:



Integrated heat exchanger



External heat exchanger



RENNERtronic Touch



Smartphone-like operation:

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



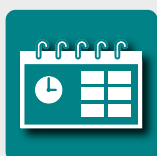
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer with six channels:

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



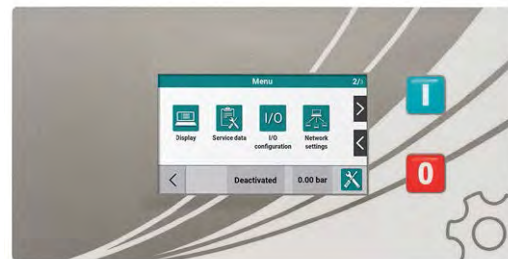
USB port:

Updates can be easily uploaded using a USB stick.



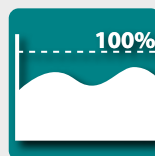
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



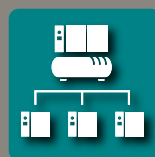
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



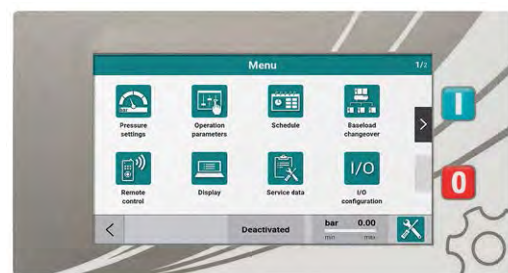
Pressure and temperature diagram:

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.

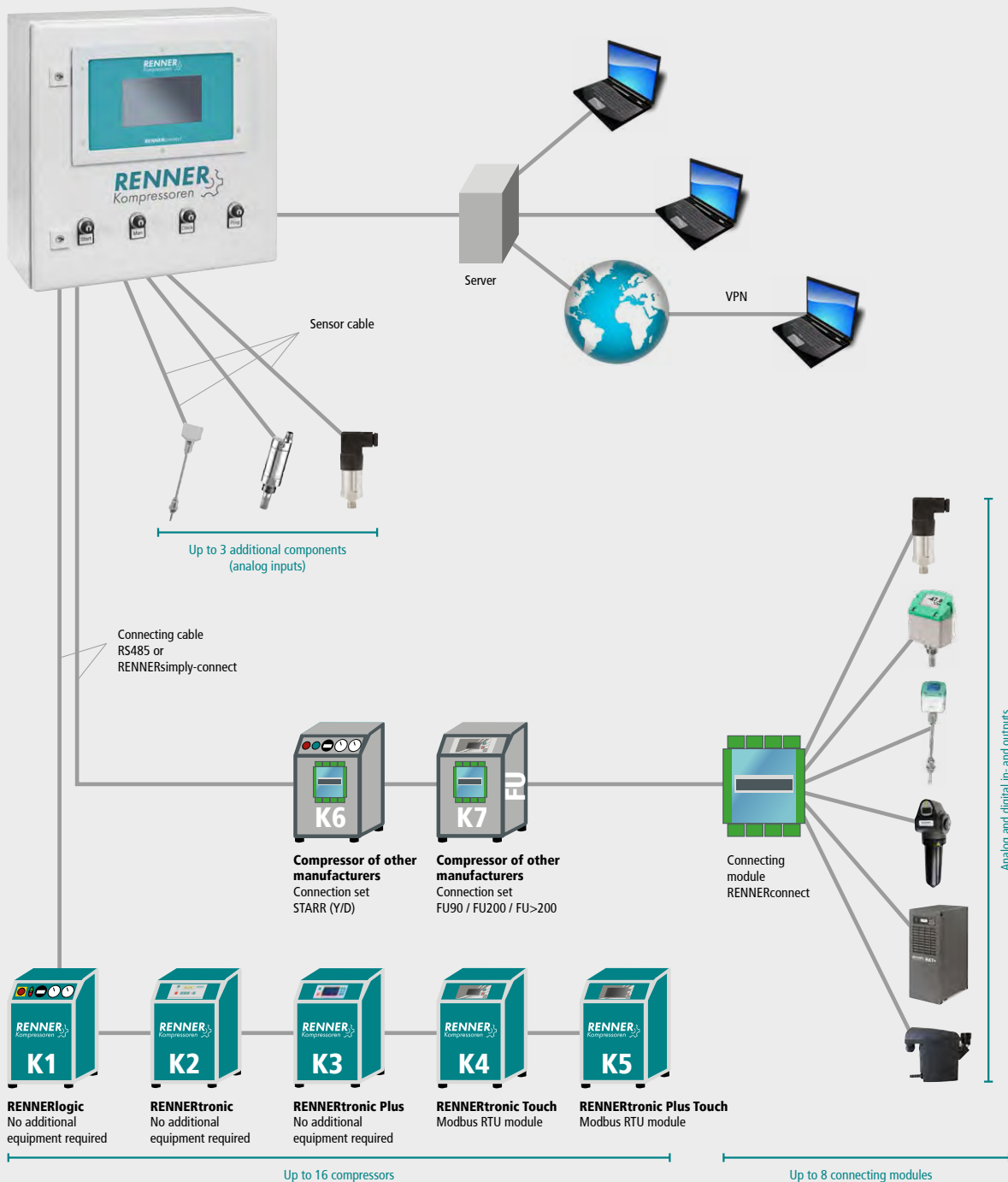


RENNERconnect with 7" touchscreen

Does your compressed air station work economically? RENNERconnect is a higher level, intelligent control system for optimal management and monitoring of your compressed air station. RENNERconnect contributes to efficiency and is highly reliable. Intelligent, air-demand based connection of the compressors provides not only a high energy savings potential, but also ensures increased operational reliability of your compressors. The control can be operated intuitively and safely via the integrated touchscreen.

Connectivity:

RENNERconnect



Features of the RENNERconnect:

- 1) Regardless of the compressor type, up to 16 compressors can be controlled:
 - RENNER compressors
 - Compressors of other manufacturers
 - Standard compressors with load and idle control
- 2) All compressors operate in a common, narrow pressure band, which means:
 - All compressors are activated at the same switch on/off pressure.
 - Pressure band can be reduced to a minimum.
 - High potential for energy savings, as pressure can be reduced maximally.
 - Older compressor stations can be operated more economically.
- 3) All compressors are connected via RS485-bus-system.
- 4) RENNERconnect can connect to various additional components in your compressor room and monitor them (e.g. dryer, drain, dew point sensor, flow sensor, additional pressure sensors).
- 5) DIN ISO 50001: The control system can be used as energy management tool according to DIN ISO 50001 (section 4.6.1. monitoring, measurement, analysis). Contact us, we gladly provide you with information!
- 6) Extremely low switching frequency (extends the service life of all mechanical components of the compressors).
- 7) Particularly low energy cost due to constant calculation of air consumption which ensures an efficient use of compressor capacity.

Advantages of RENNERconnect:

- Compressors with RENNERtronic, RENNERtronic Touch, RENNERtronic Plus, RENNERtronic Plus Touch or RENNERlogic can be directly connected to RENNERconnect.
- Compressors of other manufacturers can be connected by simply applying a compact connecting module.
- Maximum energy savings (up to 40%) by avoiding expensive idle time and load / idle switching cycles, pressure optimization by 4 adjustable pressure bands and by reduction of maximum pressure.
- The use of the RENNERconnect enables the reduction of switch-on processes and idle times. This reduces maintenance costs and increases the service life of intake controls, compressor air-ends, contactors and motors.
- RENNERconnect matches the use of the compressors automatically with the demand for compressed air in order to generate just the right amount needed for production.

Industry 4.0

Connect your central network control system via modbus with RENNER compressors and benefit from extensive possibilities of network data exchange in real time. Whether you want to focus on status monitoring, look at fault reports, or retrieve service messages, all information is available and ready to be gathered. Communication interfaces of the control systems are used between the individual RENNER compressors and secure full access as well as full control of the compressed air station.

Intelligent interconnectedness of the components enables communication between compressed air production, air treatment as well as their optimal adjustment to achieve maximum efficiency.



Screw compressors

RS 132 – 315 D / RS 355 DW direct drive
with electronic control RENNERtronic Touch

RS 132 – 315 D / RS 355 DW

Model	Free air delivery m³/min ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch / DIN-flange	dB(A) ⁽²⁾	mm	kg
RS 132 D	23.61	834	20.43	721	16.15	570	15.10 ⁽³⁾	533 ⁽³⁾	132	180	G2½	79	2830 x 1460 x 2226 ⁽⁴⁾	3150
RS 160 D	27.95 ⁽³⁾	987 ⁽³⁾	25.04	884	19.52 ⁽³⁾	689 ⁽³⁾	18.82 ⁽³⁾	664 ⁽³⁾	160	220	G2½	79	2830 x 1460 x 2226 ⁽⁴⁾	3180
RS 185 D	34.18 ⁽³⁾	1207 ⁽³⁾	27.17 ⁽³⁾	747 ⁽³⁾	22.89 ⁽³⁾	808 ⁽³⁾	*	*	185	250	DN 100	79	3560 x 2100 x 2346	4700
RS 200 D	36.30 ⁽³⁾	1281 ⁽³⁾	30.67 ⁽³⁾	1083 ⁽³⁾	—	—	—	—	200	270	DN 100	79	3560 x 2100 x 2346	4900
RS 220 D	—	—	—	—	29.68 ⁽³⁾	1048 ⁽³⁾	26.08 ⁽³⁾	921 ⁽³⁾	220	300	DN 100	79	3560 x 2100 x 2346	4950
RS 250 D	44.42	1568	35.80 ⁽³⁾	1264 ⁽³⁾	30.14 ⁽³⁾	1064 ⁽³⁾	*	*	250	340	DN 100	79	3560 x 2100 x 2346	5100
RS 280 D	49.96 ⁽³⁾	1764 ⁽³⁾	44.35	1566	34.15 ⁽²⁾	1205 ⁽³⁾	33.05	1167	280	380	DN 150	81	3560 x 2100 x 2362	5500
RS 315 D	56.07 ⁽³⁾	1979 ⁽³⁾	44.55	1573	38.90 ⁽³⁾	1373 ⁽³⁾	*	*	315	420	DN 150	81	3560 x 2100 x 2362	5600
RS 355 DW	—	—	50.10 ⁽³⁾	1769 ⁽³⁾	43.56 ⁽³⁾	1538 ⁽³⁾	*	*	355	480	DN 150	79	3500 x 2100 x 2270	6200

⁽¹⁾ according to ISO 1217 Annex C
* on request W = water-cooled

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ with gearbox

⁽⁴⁾ available at a height of 1995 mm on request for an additional charge

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
Intake air filters for RS 132 – 160 D (not retrofittable)	15153
Intake air filters for RS 200 – 315 D / RS 355 DW (not retrofittable)	15154
Ball valve G2", PN 16	10513
Ball valve G2½", PN 16	10526
Ball valve DN 100, PN 16	19959
Ball valve DN 150, PN 16	06446
Flange expansion joints DN 100, PN 16 at compressed air outlet (for tension reduction and vibration damping in tubes)	00122
Flange expansion joints DN 150, PN 16 at compressed air outlet (for tension reduction and vibration damping in tubes)	00123
IE4 motor	on request
Standstill heating – additional heater 2.2 kW, 230 V / 50 Hz, IP54, for all types, controllable (from 280 kW – 2 pc. required)	00124
Tropical-modification up to 47°C ambient temperature	on request
Water-cooling system	on request
Heat recovery	on request
Packaging	on request



Screw compressors

RSF 110 – 315 D / RSF 355 DW direct drive

with variable speed control and electronic control RENNERtronic Touch

RSF 110 – 315 D / RSF 355 DW

Model	Free air delivery (REflex) ⁽¹⁾⁽²⁾												Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		max. at 13 bar		max. at 15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch / DIN-flange	dB(A) ⁽³⁾	mm	kg
RSF 110 D – 6-8 bar	5.00	176	20.10	729	18.00	653	–	–	–	–	–	–	110	150	G2	79	2830 x 1460 x 2226 ⁽⁴⁾	2950
RSF 110 D – 6-15 bar	3.85	139	17.80	646	17.80	646	16.10	586	14.00	508	12.90	468	110	150	G2	79	2830 x 1460 x 2226 ⁽⁴⁾	2950
RSF 132 D – 6-9 bar	5.90	214	25.70	932	22.90	831	–	–	–	–	–	–	132	180	G2½	79	2830 x 1460 x 2226 ⁽⁴⁾	3210
RSF 132 D – 6-15 bar	5.00	176	22.54	818	21.56	782	19.20	696	16.20	588	–	–	132	180	G2½	79	2830 x 1460 x 2226 ⁽⁴⁾	3210
RSF 160 D – 6-10 bar	5.90	214	28.10	1019	26.90	976	25.00	884	–	–	–	–	132	180	G2½	79	2830 x 1460 x 2226 ⁽⁴⁾	3650
RSF 160 D – 6-15 bar	5.90	214	25.80	913	25.50	925	23.36	847	20.00	726	19,60	711	160	220	G2½	79	2830 x 1460 x 2226 ⁽⁴⁾	3650
RSF 200 D – 6-13 bar	5.60	203	39.30	1426	34.40	1248	31.30	1136	24.30	882	–	–	160	220	G2½	82	3560 x 2100 x 2346	5120
RSF 250 D – 6-8 bar	12.13	440	49.30	1789	44.50	1615	–	–	–	–	–	–	200	270	DN 100	82	3560 x 2100 x 2346	5530
RSF 250 D – 6-15 bar	5.60	203	39.70	1441	39.20	1422	37.90	1375	31.20	1132	29.56	1072	200	270	DN 100	82	3560 x 2100 x 2346	5530
RSF 315 D – 6-10 bar	11.80	428	56.10	2036	54.00	1960	46.90	1702	–	–	–	–	250	340	DN 100	82	3560 x 2100 x 2362	5700
RSF 315 D – 6-15 bar	10.30	373	43.00	1560	42.90	1557	42.80	1553	39.20	1422	36.00	1306	250	340	DN 100	82	3560 x 2100 x 2362	5700
RSF 355 DW – 10-13 bar	11.80	428	–	–	–	–	52.20	1892	40.20	1459	–	–	315	420	DN 150	79	3500 x 2100 x 2270	*
RSF 355 DW – 13-15 bar	10.30	373	–	–	–	–	–	–	42.70	1548	39.60	1435	315	420	DN 150	79	3500 x 2100 x 2270	*

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ Reflex function: pressure range continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

⁽⁴⁾ available at a height of 1995 mm on request for an additional charge

* on request

W = water-cooled

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
Intake air filters for RSF 110 – 160 D (not retrofittable)	15153
Intake air filters for RSF 200 – 315 D / RSF 355 DW (not retrofittable)	15154
Ball valve G2", PN 16	10513
Ball valve G2½", PN 16	10526
Ball valve DN 100, PN 16	19959
Ball valve DN 150, PN 16	06446
Flange expansion joints DN 100, PN 16 at compressed air outlet (for tension reduction and vibration damping in tubes)	00122
Flange expansion joints DN 150, PN 16 at compressed air outlet (for tension reduction and vibration damping in tubes)	00123
Permanent magnet motor (PM-motor)	on request
IE4 motor	on request
Standstill heating – additional heater 2.2 kW, 230 V / 50 Hz, IP54, for all types, controllable (from 280 kW – 2 pc. required)	00124
Tropical-modification up to 47°C ambient temperature	on request
Water-cooling system	on request
Heat recovery	on request
Packaging	on request

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring

Industry 4.0

COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

Emil-Weber-Strasse 32
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Phone +49 (0) 7135 93193-0
Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.com



DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

RS 2-75 – 109 D

RSF 2-75 – 127 D

with direct drive



Motor power: 75 – 127 kW



RENNER GmbH Kompressoren – success rooted in tradition.

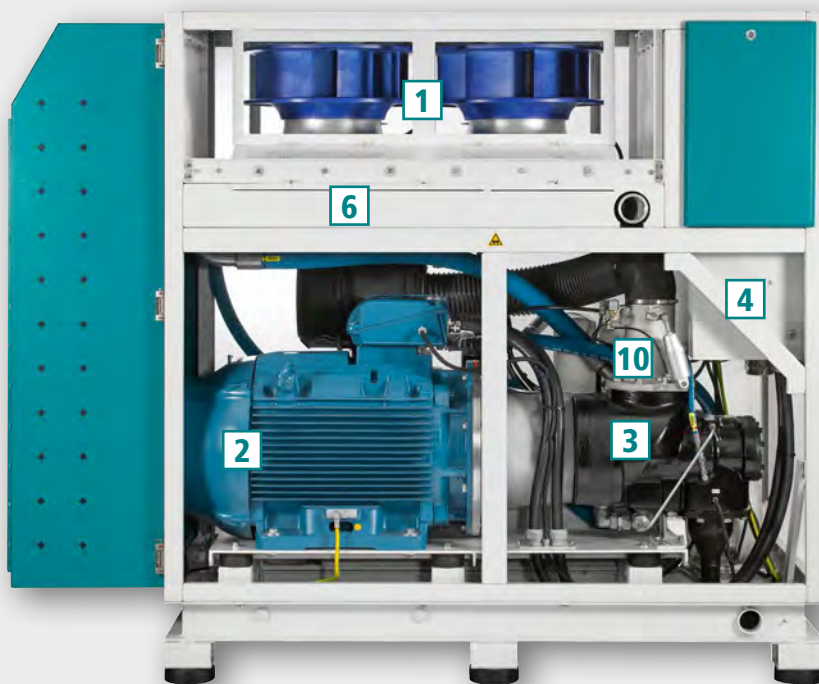
RENNER GmbH Kompressoren have been known for reliable compressed air for more than 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors.

RENNER has about 180 employees to provide you with first-class technical support, robust compressor engineering, and reliable service in virtually more than one hundred countries. We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the fields of oil-free compressed air or piston compressors. We are proud to assist you as a competent sales and service partner worldwide!

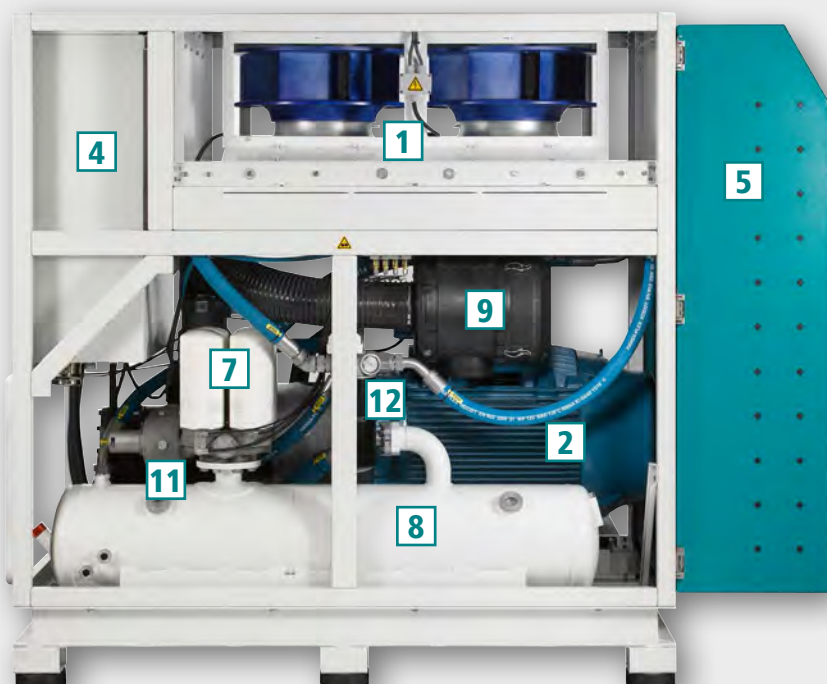


RENNER – the expert in screw compressors.

Easily removable service panels ensure excellent accessibility to all maintenance-related components.

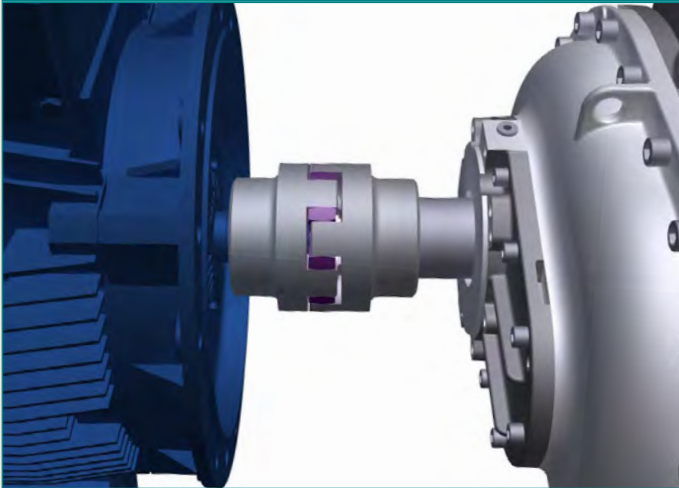


- 1** Radial fan
- 2** Motor
- 3** Air end
- 4** Switch cabinet
- 5** Rear duct silencer
- 6** Cooler
- 7** Oil separator cartridges
- 8** Oil tank
- 9** Air Filter
- 10** Suction regulator
- 11** Minimum pressure / check valve
- 12** Oil filter



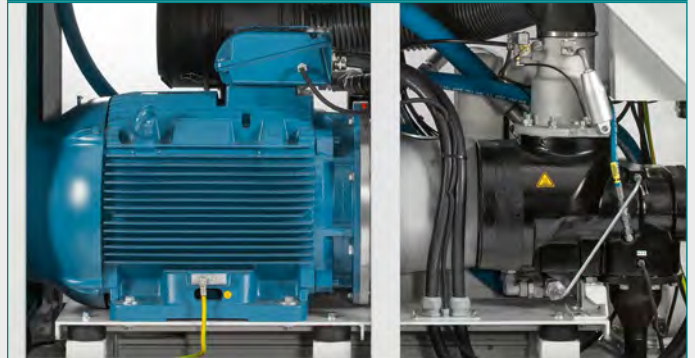
RENNER direct driven compressors in detail

Drives



1:1 direct drive connects the air end directly to the motor. The almost loss-free power transmission guarantees reliable, high-performance compressor operation. The regular maintenance requirement is reduced to lubrication of the motor. All the electronic components are branded products of leading manufacturers.

Electric motor IE 3



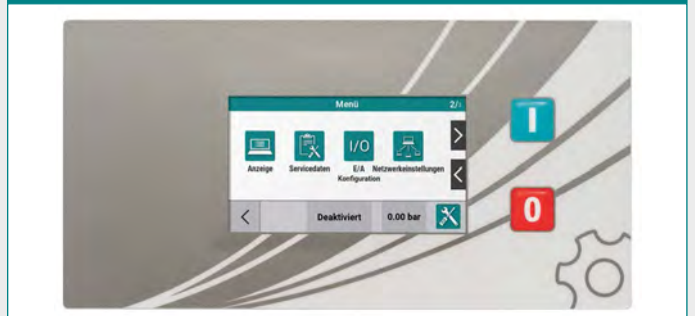
We use only IP55 electric motors made by renowned manufacturers. The drive motors are monitored both thermally (via the thermistor of the motor) as well as electronically (overload protection via the frequency converter) as standard. The load on the motor is reduced on start up and during operation by means of the direct drive combined with a high quality, maintenance-free shaft coupling with a modern isolating element. The drive motors of compressors with variable speed control are equipped with current insulated bearings as standard.

Air end block – reliable centrepiece



The centrepiece of the compressor is the air end, which has been designed and manufactured using the most advanced production technology in Germany. The optimally adjusted air end for each compressor can be defined by modular design. In compressors with variable speed control, in which the pressure can vary, converter adjustments can be made in order to optimally adjust the speed of the compressor to its performance. The machine has been designed to optimally meet your compressed air requirements and works in an energy efficient way.

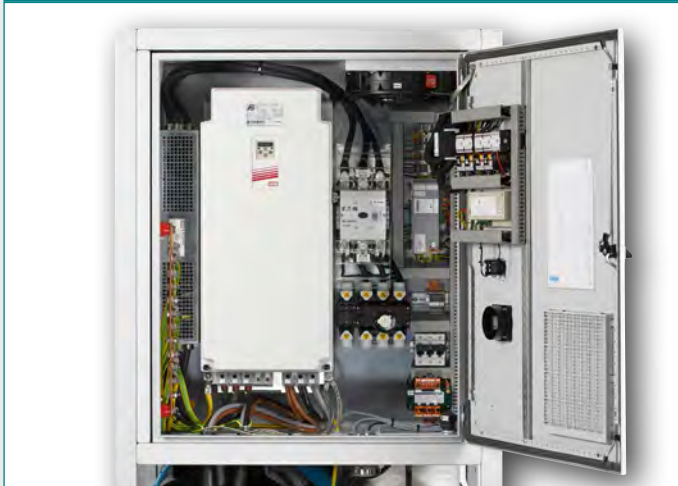
Control



Compressed air supply must be reliable and economical. This is guaranteed by an intelligent control system both for individual compressors and for RENNER compressed air stations. All machines are equipped as standard with the control RENNERtronic Touch or optionally with RENNERtronic Plus Touch. Compressors from other manufacturers can also be connected to our control systems.

RENNER direct driven compressors in detail

Switch cabinet



The switch cabinet has been integrated in the machine and is located in the cooled air current. Due to the separate switch cabinet a protection class of IP54 has been achieved. The converter of a compressor with variable speed control has been integrated in the switch cabinet. All electrical components are branded products of leading manufacturers.

Frequency converters

The frequency converter minimises idle times and optimises supply when compressed air requirements fluctuate. Start-up peaks are avoided and the compressor's free air delivery is controlled continuously – which saves electricity cost and reduces on and off cycles of the compressor. The total cost for your compressed air supply are significantly reduced and investment cost will be recovered in a short period of time.

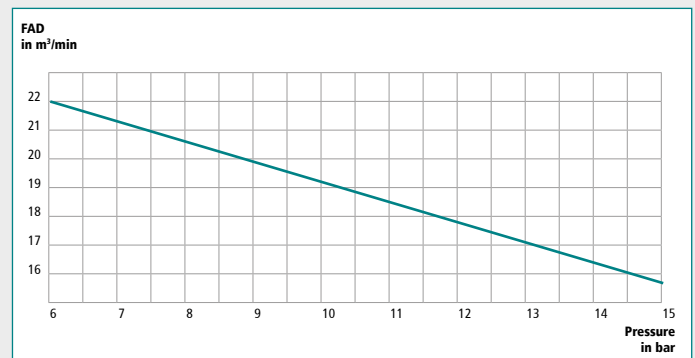
All RENNER compressors with variable speed control adapt flexibly and automatically to current pressure regarding both pressure and free air delivery. Thus the compressor provides at all times the optimally adjusted free air delivery in the set pressure range (6 to 15 bar).

- 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 15 bar can be configured variably without changing drive elements.

Oil circuit



The oil quantities in the compressors are adjusted in a way that ensures that oil exchange intervals can be extended depending on the ambient conditions. An oil level sensor monitored by the control system has been integrated as standard. All the units of this series come with a horizontal oil separation vessel in which the oil is separated from the compressed air highly efficiently at low speeds. The large surface of the oil in a horizontal oil separation vessel contributes to the prevention of foam build-up.



Details RS 2-75 – 109 D / RSF 87 – 127 D

Oil separation system



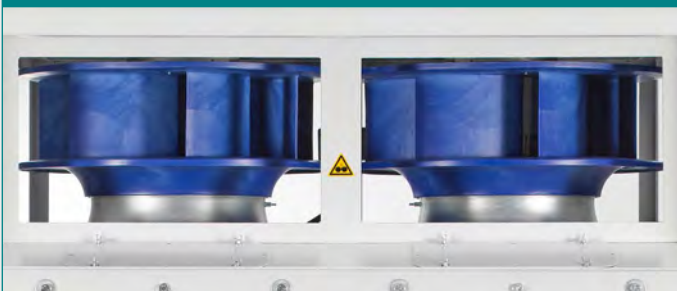
Compressors up to 127 kW are equipped with three or four external separator cartridges which can be changed by a simple spin-off/spin-on procedure. Thanks to the outstanding separation efficiency of the entire system, the compressors can be used in the pressure range from 5,0 to 15,0 bar.

Cooler unit



The horizontally mounted cooler can be cleaned by cleaning lids. Alternatively the cooler can be pulled out like a drawer for the purpose of cleaning. Thanks to well dimensioned after coolers for oil and compressed air as well as the integrated oil temperature control, the compressors run reliably even at high ambient temperatures.

Radial fans



The compressors are equipped with radial fans for an optimum operating temperature and high residual pressure. Compared to a conventional cooling system, the radial fan requires less drive energy and operates quietly and powerfully. In the area of design and dimensioning, close cooperation is maintained with German fan manufacturers to achieve optimum cooling air flow and low-vibration operation. For applications with high levels of ambient dust, the systems are equipped with intake air filters as standard. The exhaust air can optionally be discharged to the side.

Easily accessible maintenance parts



The maintenance parts are easily accessible thanks to removable doors and hinged rear duct silencer. In order to access larger components like motor or air end, the longitudinal bracing can be removed. The separate switch cabinet ensures access to the electrical components.

Energy savings: compressors with variable speed control. The RSF series is characterized by quality and efficiency.

RENNER screw compressors with variable speed control are designed for tough industrial applications. Additionally the compressors are equipped with the RENNERtronic intelligent control and monitoring system.

Do you know how much energy your compressed air station requires and how much goes to waste?

About 60,000 compressed air stations in Germany consume 14 billion kWh of electricity annually. This corresponds to 5% 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.

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.

Optimum use of energy: RENNER screw compressors with variable speed control

- 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

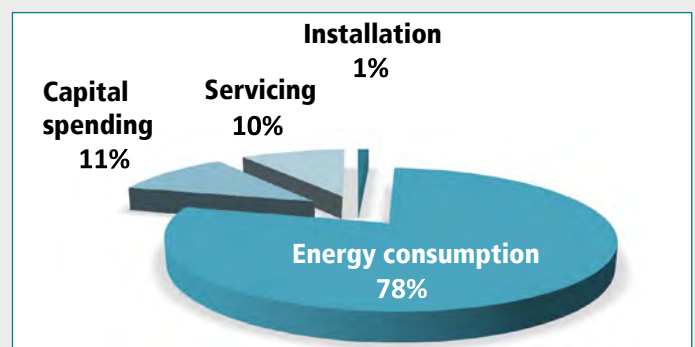
Variable speed control

Strong fluctuations of compressed air cannot be avoided in many operations. Even in such cases compressed air can be generated economically – 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; the frequency converter is integrated and firmly installed in the switch cabinet.



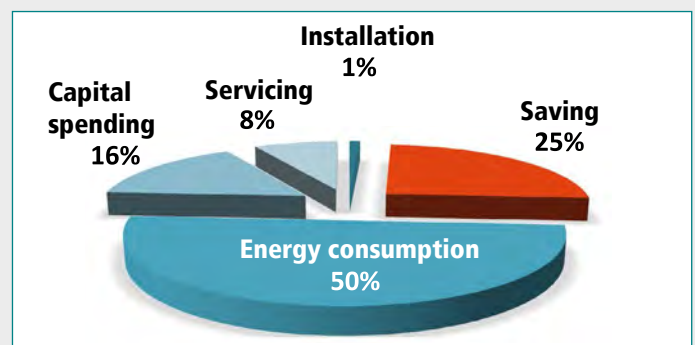
Comparing total cost after 5 years:

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 RSF compressors with variable speed control:



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

RENNER

Kompressoren



TOUCH ME!

RENNER compressor controls

- Smartphone-like operation via 4.3" or 7" touchscreen
- Scheduler as standard
- Easy update via USB stick
- Robust against dirt and dust
- Excellent price-performance ratio

Industry 4.0

RENNERtronic Touch



Smartphone-like operation:

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



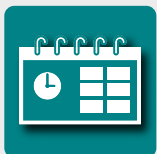
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer 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.



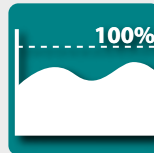
Replacing the control:

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.



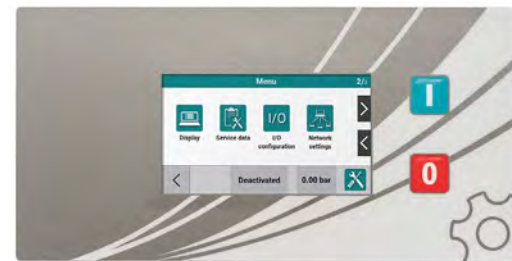
Flexible inputs and outputs:

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



Control of frequency converters:

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



! RENNERtronic Plus Touch with additional functions

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.



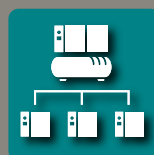
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.





Screw compressors

RS 2-75 – 109 D direct drive

RSF 2-75 – 127 D direct drive, with variable speed control

all with electronic control RENNERtronic Touch, rear duct silencer and pre-filter frame

RS 2-75 – 109 D

Model	Free air delivery ⁽¹⁾								Motor power		Com-pressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar		kW	HP	inch	dB(A) ⁽²⁾	mm	kg
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm						
RS 2-75 D – 7.5 / 10 bar	12.40 ⁽³⁾	438 ⁽³⁾	11.25	397	–	–	–	–	75	100	G2½	74	2547 x 1068 x 2079 ⁽⁴⁾	2031 ⁽⁵⁾
RS 90 D – 7.5 / 10 / 13 bar	16.60 ⁽³⁾	586 ⁽³⁾	14.40 ⁽³⁾	509 ⁽³⁾	12.24	432	–	–	90	120	G2½	74	2547 x 1068 x 2079 ⁽⁴⁾	2244 ⁽⁵⁾
RS 90 D – 15 bar	–	–	–	–	–	–	10.35 ⁽³⁾	366 ⁽³⁾	90	120	G2½	74	2547 x 1068 x 2079 ⁽⁴⁾	2083
RS 109 D – 7.5 / 10 / 13 bar	19.10 ⁽³⁾	675 ⁽³⁾	16.50 ⁽³⁾	582 ⁽³⁾	14.31 ⁽³⁾	505 ⁽³⁾	–	–	110	150	G2½	74	2547 x 1068 x 2079 ⁽⁴⁾	2331 ⁽⁵⁾
RS 109 D – 15 bar	–	–	–	–	–	–	12.17	429	110	150	G2½	74	2547 x 1068 x 2079 ⁽⁴⁾	2287

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ with gearbox

⁽⁴⁾ also available without rear duct silencer

⁽⁵⁾ weight at 10 bar; deviating weight at other pressure levels

RSF 87 – 127 D

Model	Free air delivery (REFlex) ⁽¹⁾⁽²⁾												Motor power		Com-pressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		max. at 13 bar		max. at 15 bar		kW	HP	inch	dB(A) ⁽³⁾	mm	kg
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm						
RSF 2-75 D – 6-10 bar	4.13	146	14.34	506	12.53	442	11.23	397	–	–	–	–	75	100	G2½	75	2547 x 1068 x 2151	2105
RSF 87 D – 6-15 bar	1.59	56	14.33	505	13.88	490	12.45	440	10.51	371	9.59	339	87	118	G2½	75	2547 x 1068 x 2151	1705
RSF 2-87 D – 6-13 bar	2.85	101	15.89	561	14.24	503	12.73	450	10.80	381	–	–	87	118	G2½	75	2547 x 1068 x 2151	1801
RSF 97 D – 6-13 bar	2.85	101	18.25	644	16.31	576	14.62	516	12.63	446	–	–	97	130	G2½	76	2547 x 1068 x 2151	2095
RSF 127 D – 6-15 bar	2.85	101	22.15	782	20.71	731	19.40	685	16.40	579	15.60	551	127	170	G2½	77	2547 x 1068 x 2151	2439

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REFlex function: pressure range continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
Ball valve 2½", PN16	10526
Permanent magnet motor (PM-motor)	on request
IE4 motor	on request
Standstill heating – additional heater 2.2 kW, 230 V / 50 Hz, IP54, for all types, controllable	00124
Tropical-modification up to 47°C ambient temperature	on request
Water-cooling system	on request
Heat recovery	on request
Packaging	on request

Optional: internal and external heat recovery.

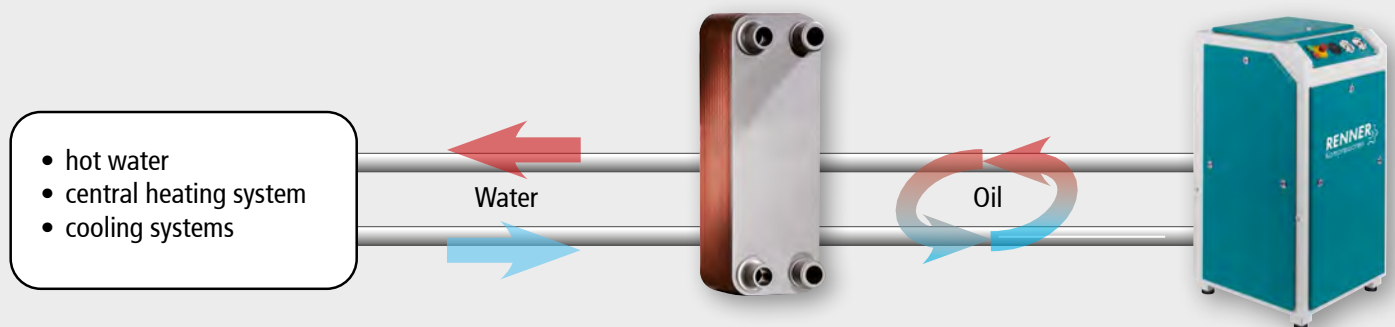
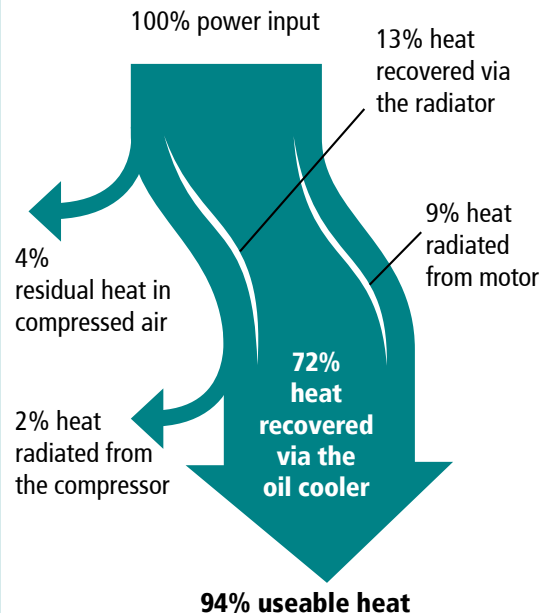


When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. With RENNER heat recovery, you can regain up to 94% of the energy you have already used as heat in the form of hot air, industrial water or hot water. This makes perfect sense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

Heat recovery via plate heat exchanger: the heat exchangers feature a very simple installation, the integration into the existing water cycle is done by an installer. No external energy is required for the operation.

- for RENNER screw compressors 7.5 – 250 kW
- standard: inlet temp. 15°C, outlet temp. 65°C (industrial water)
or
inlet temp. 35°C, outlet temp. 65°C (reflux heating)
- other temperature ranges available on request
- safety heat exchanger (drinking water)
- retrofitting available on request

Useable heat with optimally matched heat recovery:



Integrated heat exchanger



External heat exchanger



COMPRESSED AIR FOR ALL APPLICATIONS



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- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring



COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

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Phone +49 (0) 7135 93193-0
Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.de



DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

RS 18.5 – 75.0
RSF 18.5 – 75.0

 **Made in
Germany**



Motor power: 18.5 – 75.0 kW



RS 18.5 – 75.0



RSK 18.5 – 45.0



RSF 18.5 – 75.0



RSKF 18.5 – 45.0

RENNER GmbH Kompressoren – success rooted in tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for more than 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors.

RENNER has about 180 employees to provide you with first-class technical advice, robust compressor engineering, and reliable service in virtually more than one hundred countries. We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the segments of oil-free compressed air and piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



Screw compressors

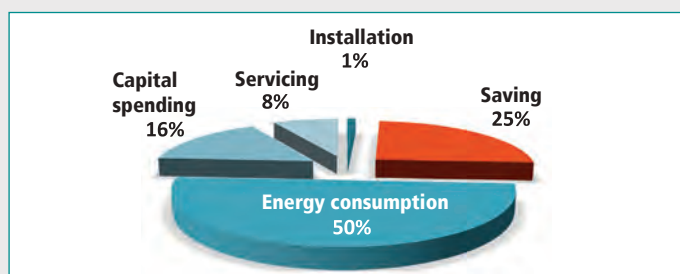
Oil-injected screw compressors in the appropriate power range nowadays represent the most modern and most economical form of compressed air generation. RENNER is dedicated to this compression principle, with a performance range extending from 2.2 – 355 kW and an end pressure of up to 15 bar. Excellent economy, long service life, and simple, economical maintenance are the most important criteria in the development of new products.

Advantages of the RS series:

- 2-years full warranty.
- Compact compressor air ends without additional connecting pipes and elements. A separate oil separator receiver is not required.
- 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.
- The use of standard components from German brand manufacturers guarantees a high quality standard and enables short reaction times in the event of faults.

Energy savings: compressors with variable speed control

RENNER screw compressors with variable speed control are designed for tough industrial applications. Additionally the compressors are equipped with the RENNERtronic Touch intelligent control and monitoring system. A RENNER RSF compressor can save up to 35% of your energy costs. This yields total savings of 25% compared to fixed speed compressors. This improves your overall energy balance considerably.



RENNER variable speed control (REflex)

Strong fluctuations of compressed air cannot be avoided in many operations. Even in such cases compressed air can be generated economically – RENNER screw compressors with variable speed control guarantee a cost efficient steady flow of compressed air.

Advantages of the REflex function:

All RENNER compressors with variable speed control adapt flexibly and automatically to current pressure regarding both pressure and free air delivery. Thus the compressor provides at all times the optimally adjusted free air delivery in the set pressure range (6 to 10 bar).

- 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.

RENNERtronic Touch



Smartphone-like operation:

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



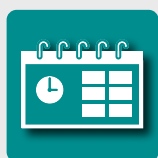
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer with six channels:

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



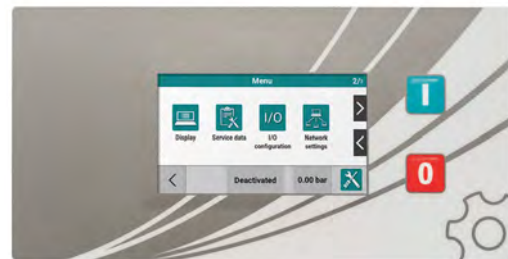
USB port:

Updates can be easily uploaded using a USB stick.



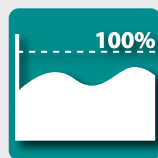
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



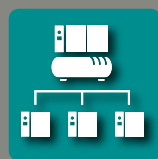
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.





Screw compressors

RS 18.5 – 1-30.0
 RS-PRO 2-30.0 – 55.0
 RS 55.0
 RS 75.0 incl. electronic control RENNERtronic Touch

RS 18.5 – 1-30.0 / RS-PRO 2-30.0 – 55.0 / RS 55.0 + 75.0

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar		kW	HP	inch	dB(A) ⁽²⁾	mm	kg
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm						
RS 18.5	2.91	103	2.62	93	2.20	78	1.89	67	18.5	25.0	G1¼	71	1287 x 799 x 1296	532
RS 22.0	3.46	122	3.10	109	2.66	94	2.31	82	22.0	29.5	G1¼	71	1287 x 799 x 1296	547
RS 1-30.0	4.38	155	4.01	142	3.52	124	3.02	107	30.0	40.0	G1¼	72	1287 x 799 x 1296	609
RS-PRO 2-30.0	5.22	184	4.61	163	3.59	127	3.29	117	30.0	40.0	G1¼	74/71 ⁽³⁾	1305 x 830 x 1640	746/779 ⁽³⁾
RS-PRO 2-37.0	6.36	225	5.58	197	4.66	165	4.10	145	37.0	49.5	G1¼	77/74 ⁽³⁾	1305 x 830 x 1640	762/795 ⁽³⁾
RS-PRO 45.0	7.70	272	6.92	244	5.71	202	4.99	176	45.0	60.5	G1½	77/74 ⁽³⁾	1485 x 880 x 1760	939/986 ⁽³⁾
RS-PRO 55.0	9.02	319	7.94	280	6.93	245	6.09	215	55.0	74.0	G1½	79/76 ⁽³⁾	1485 x 880 x 1760	1017/1064 ⁽³⁾
RS 55.0	9.55	337	8.23	291	7.05	249	6.23	220	55.0	74.0	G2	76	1754 x 1104 x 1697	1257
RS 75.0 ⁽⁴⁾	12.10	427	10.35	365	9.20	325	8.10	286	75.0	100.0	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 rear duct silencer / with super rear duct silencer

⁽⁴⁾ standard: with RENNERtronic Touch

All models up to RS-PRO 55.0 with ball valve and electrical feed cable.

Options	Part no.
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Electronic control RENNERtronic Plus for RS 75.0	05591
External motor greasing (only RS 75.0)	00846
Super rear duct silencer (sound reduction of about 3 dB)	RS-PRO 2-30.0 + 2-37.0 kW
Compressor overall dimensions: length +96 mm	07659
Super rear duct silencer (sound reduction of about 3 dB)	RS-PRO 45.0 + 55.0 kW
Compressor overall dimensions: length +196 mm	07595
IE4 motor	on request

Screw compressors

RSF 18.5 – 1-30.0
RSF-PRO 2-30.0 – 55.0
RSF 55.0 + 75.0

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



RSF 18.5 – 1-30.0 / RSF-PRO 2-30.0 – 55.0 / RSF 55.0 + 75.0

Model	Free air delivery (REflex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Com-pressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	mm	kg
RSF 18.5	0.98	34	3.14	111	2.88	102	2.62	93	0.82-2.20	29-78	0.70-1.89	25-67	18.5	25.0	G1¼	71	1287 x 799 x 1296	573
RSF 22.0	1.15	41	3.72	131	3.41	120	3.10	109	0.99-2.66	35-94	0.86-2.31	30-82	22.0	30.0	G1¼	71	1287 x 799 x 1296	588
RSF 1-30.0	1.50	53	4.81	170	4.41	156	4.01	142	1.32-3.52	47-124	1.13-3.02	40-107	30.0	40.0	G1¼	72	1384 x 799 x 1296	667
RSF-PRO 2-30.0	1.68	59	5.68	200	5.23	185	4.61	163	1.01-3.59	36-127	0.85-3.29	30-115	30.0	40.0	G1¼	69	1400 x 830 x 1640	850
RSF-PRO 2-37.0	2.10	74	6.96	246	6.64	234	5.87	207	1.33-4.66	47-165	1.11-4.10	39-144	37.0	49.5	G1¼	72	1400 x 830 x 1640	880
RSF-PRO 45.0	2.58	91	8.54	302	7.78	275	7.02	248	1.69-5.71	60-201	1.45-4.99	51-175	45.0	60.5	G1½	74	1680 x 880 x 1760	1120
RSF-PRO 55.0	3.00	106	9.34	330	8.95	316	8.19	289	2.01-6.93	71-245	1.73-6.09	60-213	55.0	74.0	G1½	76	1680 x 880 x 1760	1198
RSF 55.0	3.28	116	10.20	360	9.21	325	8.23	291	2.64-7.05	93-249	2.33-6.23	82-220	55.0	75.0	G2	76	1754 x 1104 x 1697	1297
RSF 75.0	4.19	148	12.83	453	11.59	409	10.35	366	3.66-9.20	129-325	3.23-8.10	114-286	75.0	100.0	G2	76	1754 x 1104 x 1697	1440

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REflex function: 6 to 10 bar, continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

All models up to RSF-PRO 55.0 with ball valve and electrical feed cable.

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
IE4 motor	on request



Screw compressors

RSK 18.5 – 1-30.0
RSK-PRO 2-30.0 – 45.0

all with refrigeration dryer

RSK 18.5 – 1-30.0 / RSK-PRO 2-30.0 – 45.0

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽²⁾	mm	kg
RSK 18.5	2.91	103	2.62	93	2.20	78	1.89	67	18.5	25.0	G1¼	71	1632 x 799 x 1296	583
RSK 22.0	3.46	122	3.10	109	2.66	94	2.31	82	22.0	29.5	G1¼	71	1636 x 799 x 1296	630
RSK 1-30.0	4.38	155	4.01	142	3.52	124	3.02	107	30.0	40.0	G1¼	72	1636 x 799 x 1296	692
RSK-PRO 2-30.0	5.22	184	4.61	163	3.59	127	3.29	117	30.0	40.0	G1¼	74/71 ⁽³⁾	1654 x 830 x 1640	829/862 ⁽³⁾
RSK-PRO 2-37.0	6.36	225	5.58	197	4.66	165	4.10	145	37.0	49.5	G1¼	77/74 ⁽³⁾	1654 x 830 x 1640	845/878 ⁽³⁾
RSK-PRO 45.0	on request		6.92	244	5.71	202	4.99	176	45.0	60.5	G1½	77/74 ⁽³⁾	1834 x 880 x 1760	1022/1069 ⁽³⁾

⁽¹⁾ according to ISO 1217 Annex C ⁽²⁾ according to DIN EN ISO 2151:2009 ⁽³⁾ with rear duct silencer / with super rear duct silencer
All models with ball valve and electrical feed cable.

Options	Part no.
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Super rear duct silencer for RSK-PRO (sound reduction of about 3 dB) 30.0 + 37.0 kW	Compressor overall dimensions: length +96 mm 07659
Super rear duct silencer for RSK-PRO (sound reduction of about 3 dB) 45.0 kW	Compressor overall dimensions: length +196 mm 07595
Level actuated drain for refrigeration dryer	05311
IE4 motor	on request

Screw compressors

RSKF 18.5 – 1-30.0
RSKF-PRO 2-30.0 – 45.0

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



RSKF 18.5 – 1-30.0 / RSKF-PRO 2-30.0 – 45.0

Model	Free air delivery (REflex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	mm	kg
RSKF 18.5	0.98	34	3.14	111	2.88	102	2.62	93	0.82-2.20	29-78	0.70-1.89	25-67	18.5	25.0	G1¼	71	1632 x 799 x 1296	624
RSKF 22.0	1.15	41	3.72	131	3.41	120	3.10	109	0.99-2.66	35-94	0.86-2.31	30-82	22.0	30.0	G1¼	71	1636 x 799 x 1296	671
RSKF 1-30.0	1.50	53	4.81	170	4.41	156	4.01	142	1.32-3.52	47-124	1.13-3.02	40-107	30.0	40.0	G1¼	72	1736 x 799 x 1296	750
RSKF-PRO 2-30.0	1.68	59	5.68	200	5.23	185	4.61	163	1.01-3.59	36-127	0.85-3.29	30-115	30.0	40.0	G1¼	69	1750 x 830 x 1640	933
RSKF-PRO 2-37.0	2.10	74	6.96	246	6.64	234	5.87	207	1.33-4.66	47-165	1.11-4.10	39-144	37.0	50.0	G1¼	72	1750 x 830 x 1640	963
RSKF-PRO 45.0	*	*	*	*	*	*	*	*	1.69-5.71	60-202	1.45-4.99	51-176	45.0	60.5	G1½	74	2030 x 880 x 1760	1203

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REflex function: 6 to 10 bar, continuously variable
All models with ball valve and electrical feed cable.

⁽³⁾ according to DIN EN ISO 2151:2009

*on request

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
Level actuated drain for refrigeration dryer	05311
IE4 motor	on request

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring



COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

Emil-Weber-Strasse 32
D-74363 Gueglingen

Phone +49 (0) 7135 93193-0
Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.de



DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

RS / RSF 55.0 – 1-110



All compressors
available with
variable speed control!

Motor power: 55.0 – 110 kW



RENNER – the expert in screw compressors.

Oil-injected screw compressors are the most modern and economical way of generating compressed air in the medium to top performance range these days. RENNER fully relies on this compression principle. The performance range is between 2.2 to 355 kW with a discharge pressure of up to 15 bar as standard.

RENNER screw compressors are designed with an asymmetrical profile for uncompromising, industrial use. Highly economical, long lifespan and easy and cost-effective maintenance are the most important criteria in the development of new products.



Series RS(F) 55.0 – 1-110

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 110 kW.

RS 55.0 – 1-110: the logical continuation of RENNER products in the top performance range.

Energy efficient

Variable speed control significantly reduces the overall cost of your compressed air supply. The investment costs pay back in a very short period of time.

Key features at a glance

- 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.
- The use of standard components from German brand manufacturers guarantees a high quality standard and enables 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.

RS(F) 55.0 – 1-110 – the details.

What has the series got to offer over and above the well established RENNER design concept? An innovative, user-friendly concept totally geared to performance and economy.

Optimum accessibility – Goodbye to servicing headaches

Maintenance and repair can be labour-intensive and cost-intensive – if the engineer finds it hard to reach the relevant components. You can take our word that this problem will soon be a thing of the past. Because large removable doors are fitted as standard on RENNER compressors and the housing provides ample space for convenient layout of the components.

Air end – reliable centrepiece

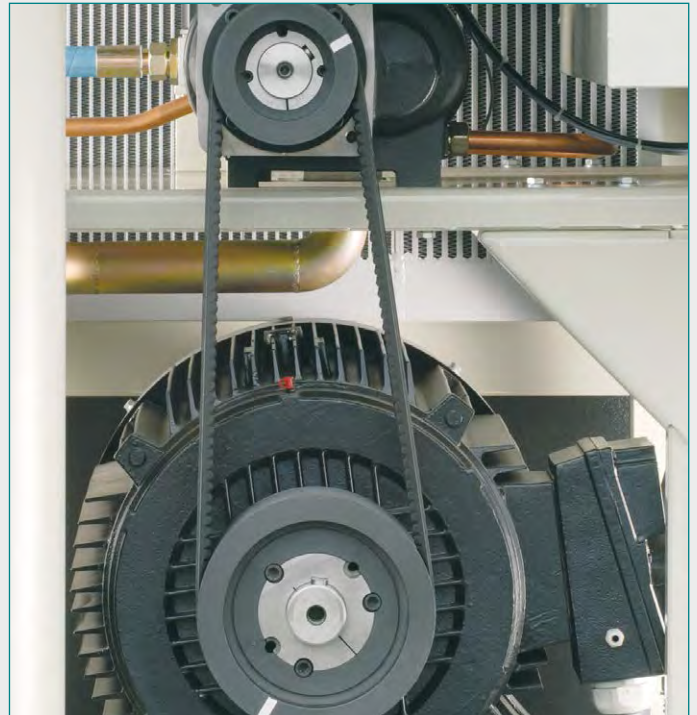
State-of-the-art production techniques guarantee supreme precision of rotor gears. The air end's location guarantees optimum rotational speeds and low energy consumption.

Separator

The effective RENNER separator is easily accessible and therefore very easy to maintain. Multiple oil pre-separation, rapid degassing and low foam formation guarantee compressed air quality – even in applications that have the highest compressed air requirements. The residual oil content remains at a mere 1 to 3 mg/m³.

Sound insulation box

We provide effective sound insulation as standard. A distortion-resistant sound insulation box reduces vibrations and noise to extremely low levels. They can be reduced even further – with RENNER super sound insulation, which is available as an option.



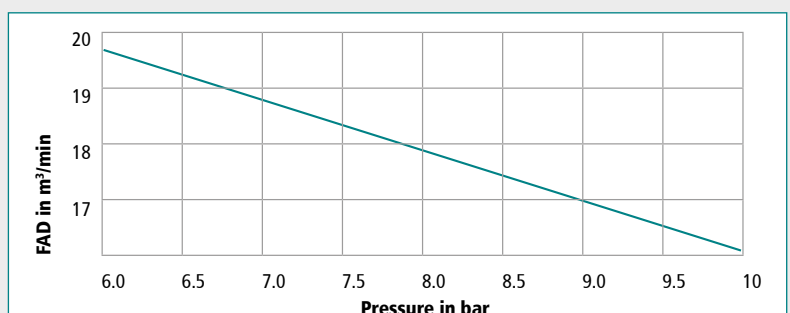
Reliable V-belt drive – durable and consistently efficient

RENNER's engineering design prevents a reduction in free air delivery and premature wear in this essential drive component: the pivoting base suspension keeps tightening the V-belt automatically.

Operating mode of RSF from 6-10 bar (REflex)

All RENNER compressors with variable speed control adapt flexibly and automatically to current pressure regarding both pressure and free air delivery. Thus the compressor provides at all times the optimally adjusted free air delivery in the set pressure range (6 to 10 bar).

- 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.



Energy savings: compressors with variable speed control. The RSF series is characterized by quality and efficiency.

RENNER screw compressors with variable speed control are designed for tough industrial applications. Additionally the compressors are equipped with the RENNERtronic intelligent control and monitoring system.

Do you know how much energy your compressed air station requires and how much goes to waste?

About 60,000 compressed air stations in Germany consume 14 billion kWh of electricity annually. This corresponds to 5% 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.

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.

Optimum use of energy: RENNER screw compressors with variable speed control

- 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

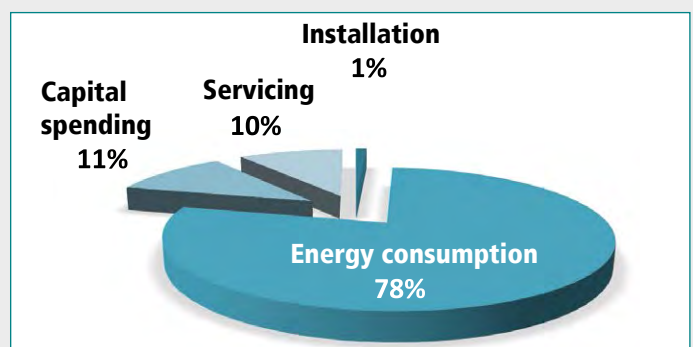
Variable speed control

Strong fluctuations of compressed air cannot be avoided in many operations. Even in such cases compressed air can be generated economically – 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; the frequency converter is integrated and firmly installed in the switch cabinet.



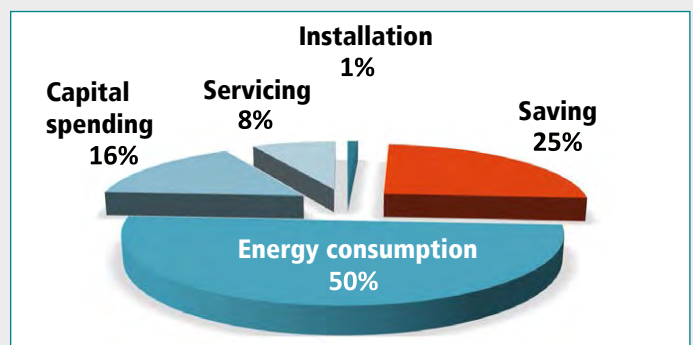
Comparing total cost after 5 years:

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 RSF compressors with variable speed control:



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

RENNERtronic Touch



Smartphone-like operation:

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



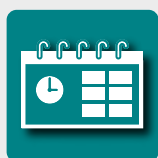
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer with six channels:

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



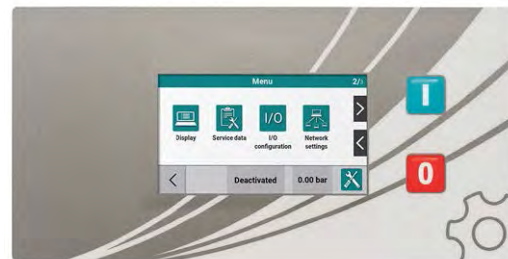
USB port:

Updates can be easily uploaded using a USB stick.



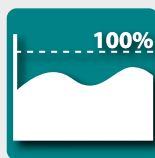
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



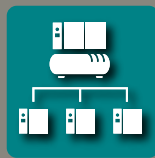
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



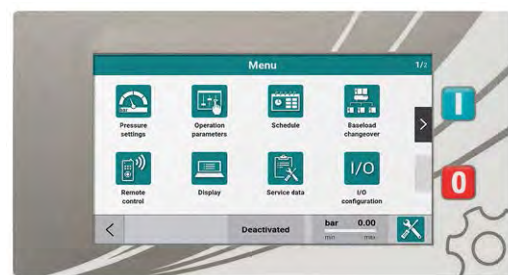
Pressure and temperature diagram:

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.



Optional: internal and external heat recovery.

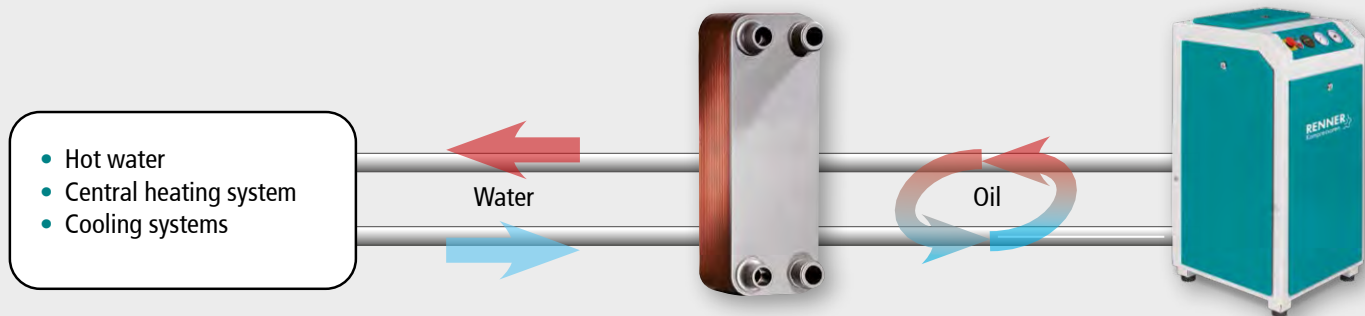
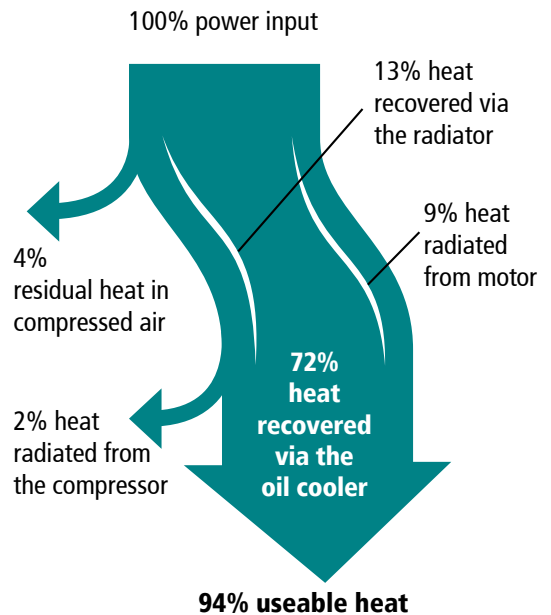


When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. With RENNER heat recovery, you can regain up to 94% of the energy you have already used as heat in the form of hot air, industrial water or hot water. This makes perfect sense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

Heat recovery via plate heat exchanger: the heat exchangers feature a very simple installation, the integration into the existing water cycle is done by an installer. No external energy is required for the operation.

- For RENNER screw compressors 7.5 – 250 kW
- Standard: inlet temp. 15°C, outlet temp. 65°C (industrial water)
or
inlet temp. 35°C, outlet temp. 65°C (reflux heating)
- Other temperature ranges available on request
- Safety heat exchanger (drinking water)
- Retrofitting available on request

Useable heat with optimally matched heat recovery:



Integrated heat exchanger



External heat exchanger





Screw compressors

RS 55.0

RS 75 – 1-110 with electronic control RENNERtronic Touch

RS 55.0 – 1-110

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar		kW	HP	inch	dB(A) ⁽²⁾	mm	kg
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm						
RS 55.0	9.55	337	8.23	291	7.05	249	6.23	220	55.0	74	G2	76	1754 x 1104 x 1697	1257
RS 75 ⁽³⁾	12.10	427	10.35	365	9.20	325	8.10	286	75	100	G2	76	1754 x 1104 x 1697	1367
RS 90 ⁽³⁾⁽⁴⁾	15.55	549	13.70	484	11.48	405	–	–	90	120	G2½	80	2110 x 1356 x 1936	2094
RS 1-110 ⁽³⁾⁽⁴⁾	18.50	653	15.90	562	12.78	451	–	–	110	150	G2½	80	2110 x 1356 x 1936	2217

⁽¹⁾ according to ISO 1217 Annex C ⁽²⁾ according to Norm DIN EN ISO 2151:2009 ⁽³⁾ standard: with RENNERtronic Touch ⁽⁴⁾ with rotation direction control via phase rotation control

Options

	Part no.
Electronic control RENNERtronic Touch	RS 55.0
Electronic control RENNERtronic Plus Touch	RS 55.0
Electronic control RENNERtronic Plus Touch	RS 75 – 1-110
Rotation direction control via phase rotation control	RS 55.0 – 75
External motor greasing	RS 75 – 1-110
IE4 motor	on request
Water-cooling system	on request



Screw compressors

RSF 55.0 – 1-110

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

RSF 55.0 – 1-110

Modell	Free air delivery (REFlex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar		kW	HP	inch	dB(A) ⁽³⁾	mm	kg
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm						
RSF 55.0	3.28	116	10.20	360	9.21	325	8.23	291	2.64-7.05	93-249	2.33-6.23	82-220	55.0	74	G2	76	1754 x 1104 x 1697	1297
RSF 75	4.19	148	12.83	453	11.59	409	10.35	366	3.66-9.20	129-325	3.23-8.10	114-286	75	100	G2	76	1754 x 1104 x 1697	1440
RSF 90	5.01	177	16.71	590	15.21	537	13.70	483	*	*	–	–	90	120	G2½	79	2110 x 1356 x 1936	2172
RSF 1-110	5.91	209	19.72	696	17.81	629	15.90	561	*	*	–	–	110	150	G2½	78	2110 x 1356 x 1936	2297

⁽¹⁾ according to ISO 1217 Annex E ⁽²⁾ REFlex function: 6 to 10 bar, continuously variable ⁽³⁾ according to DIN EN ISO 2151:2009 * on request

Options

	Part no.
Elektronik control RENNERtronic Plus Touch	23836
External motor greasing	RSF 75 – 1-110
IE4 motor	on request
Water-cooling system	on request

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring

Industry 4.0

COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

Emil-Weber-Straße 32
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Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.de



DIN EN ISO 9001
REG.-NR. Q1 0205013



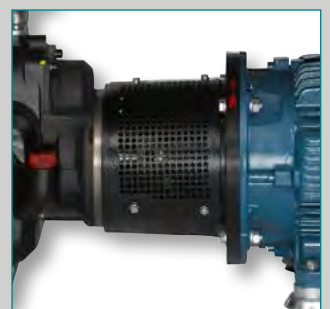
Screw compressors

RS-PRO 2-30.0 – 55.0 D
RSF-PRO 2-30.0 – 55.0 D
with direct drive

 Made in
Germany



Motor power: 30.0 – 55.0 kW



RENNER GmbH Kompressoren – success rooted in tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for more than 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors.

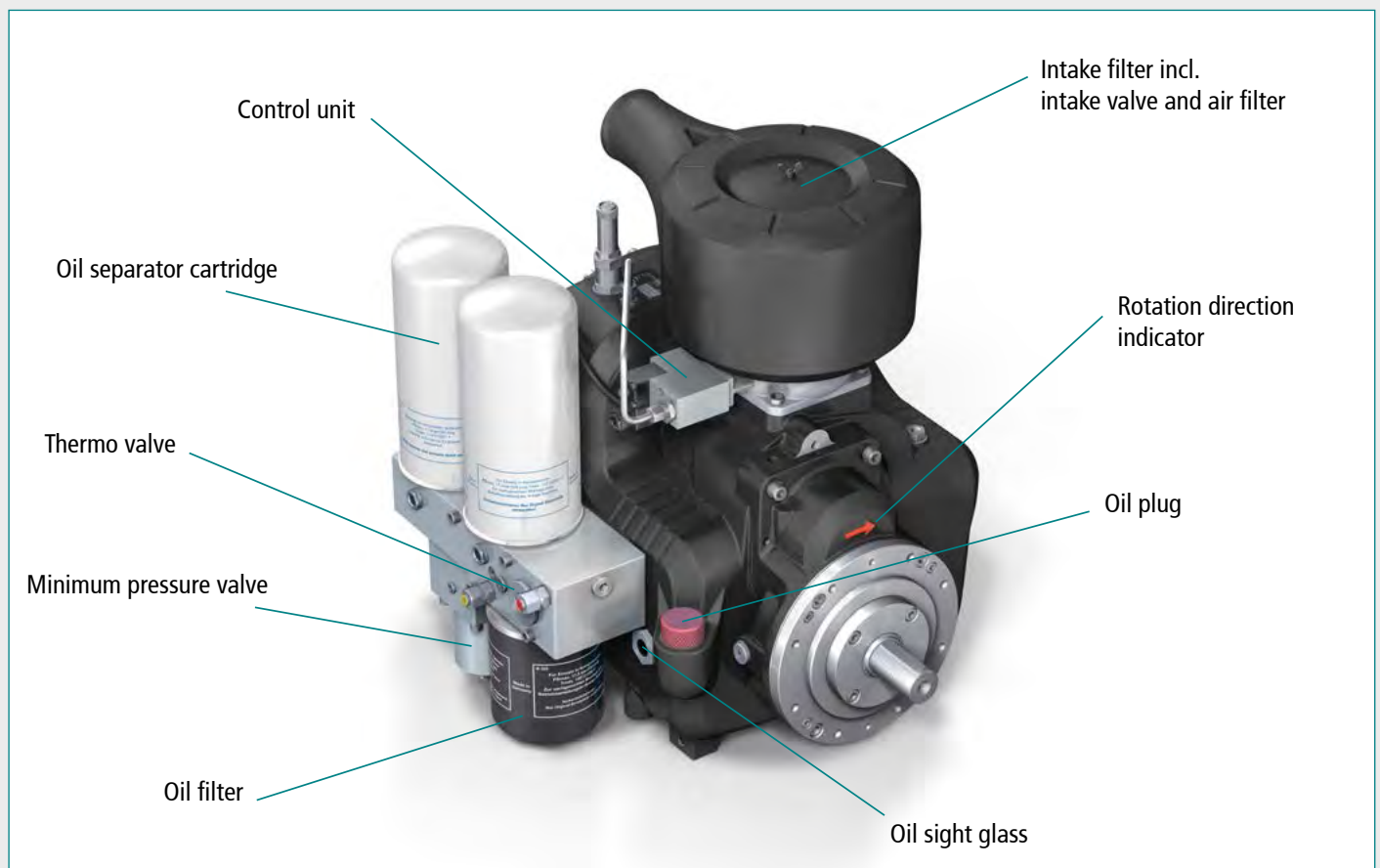
RENNER has more than 160 employees to provide you with first-class technical support, robust compressor engineering, and reliable service in virtually more than one hundred countries. We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the fields of oil-free compressed air or piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



RS(F)-PRO D (with direct drive) – RENNER's compact, robust, high-performance range.

Oil-injected, direct driven screw compressors in the appropriate power range 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 30.0 – 355 kW and an end pressure of up to 15 bar. RENNER screw compressors with asymmetric profile are designed for uncompromising industrial applications.

High efficiency, a long service life and cost-effective maintenance are the most important criteria in the development of new products. The main objectives for the new RS(F)-PRO D range was to provide a top-performing air compressor at a low space requirement with easy access to maintenance parts.

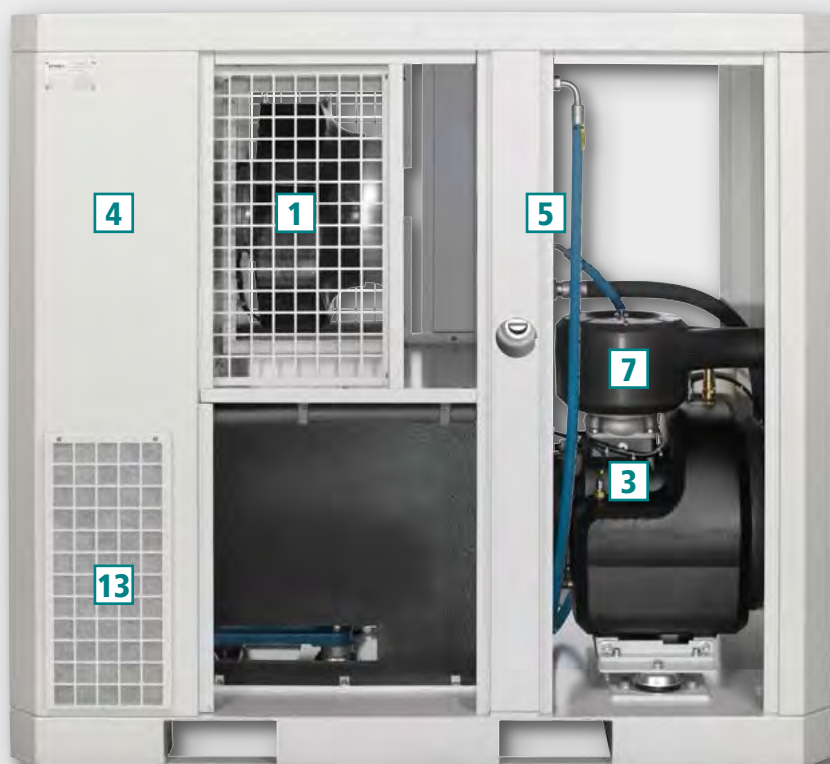
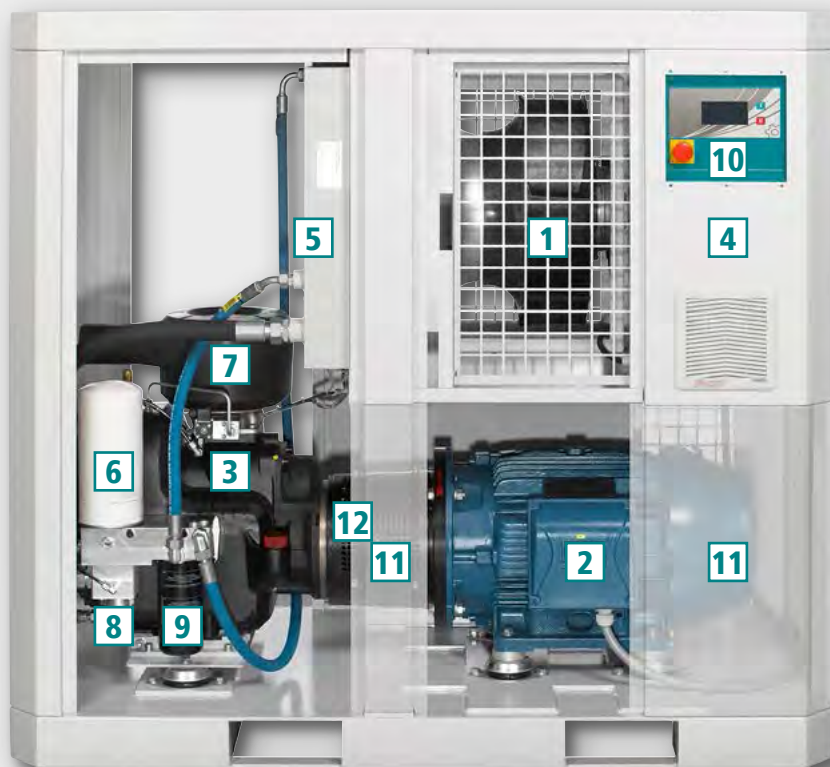


Design features and advantages of the RS(F)-PRO D series:

- 2-years full warranty.
- Easily removable doors allow easy access to the individual components for maintenance.
- Intensive cooling combined with an effective aftercooler guarantees operational safety and excellent air quality.
- Developed for industrial use – including continuous operation.
- The use of standard components from German brand manufacturers guarantees a high quality standard and enables short reaction times in the event of faults.
- Compact compressor air ends without additional connecting pipes and elements. A separate oil separator receiver is not required.
- 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.
- Control system RENNERtronic as a standard.
- Optionally: control system RENNERtronic Plus.
- Radial fan as a standard.
- Easy coupling replacement – no moving of other components such as motor or compressor.

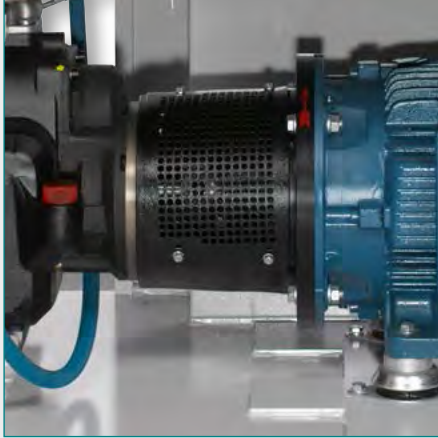
RENNER – the expert in screw compressors.

Easily removable service panels ensure excellent accessibility to all maintenance-related components.



- 1** Radial fan
- 2** Motor
- 3** Air end
- 4** Switch cabinet
- 5** Cooler
- 6** Oil separator cartridges
- 7** Intake filter incl. air filter
- 8** Minimum pressure valve
- 9** Oil filter
- 10** Control system
- 11** Removable struts
- 12** Clutch housing + clutch
- 13** Pre-filter frames (optionally)

Direct drive



The direct drive connects the air end via coupling to the motor. This almost loss-free transmission guarantees reliable and efficient operation of the compressor.

Pre-filter frame

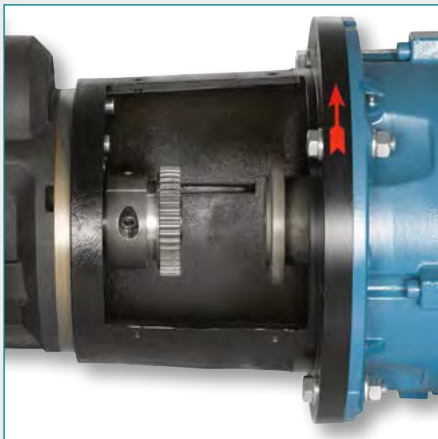


The RS-PRO D range is optionally available with a pre-filter frame to protect against dirt particles. The frame is attached by means of magnets and can easily be retrofitted.

Radial fan



RS(F)-PRO D range compressors are cooled by radial fans. These ensure excellent residual thrust and a pleasant noise level.



Easy coupling replacement

The coupling can be replaced without moving the motor or air end by simply shifting the toothed hub on the compressor shaft.

Heat exchanger

RENNER's RS(F)-PRO D range has an optional heat recovery system for industrial or hot water.



Easy to maintain

In order to ensure better access to maintenance-relevant parts or to replace motor or air end, various frame elements can be removed.





RENNER

Kompressoren



NEW!

RENNERtronic Plus Touch &
RENNERtronic Touch

TOUCH ME!

New RENNER compressor controls

- Smartphone-like operation via 4.3" or 7" touchscreen
- Timer as standard
- Easy update via USB stick
- Robust against dirt and dust
- Excellent price-performance ratio

Industry 4.0

RENNERtronic Touch



Smartphone-like operation:

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



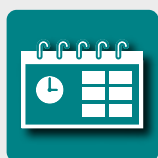
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer 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.



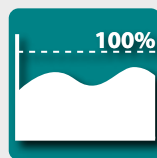
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



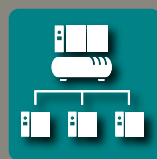
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.



Energy savings: compressors with variable speed control. The RSF-PRO D series is characterized by quality and efficiency.

RENNER screw compressors with variable speed control are designed for tough industrial applications. Additionally the compressors are equipped with the RENNERtronic intelligent control and monitoring system.

Do you know how much energy your compressed air station requires and how much goes to waste?

About 60,000 compressed air stations in Germany consume 14 billion kWh of electricity annually. This corresponds to 5% 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.

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.

Optimum use of energy: RENNER screw compressors with variable speed control

- 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

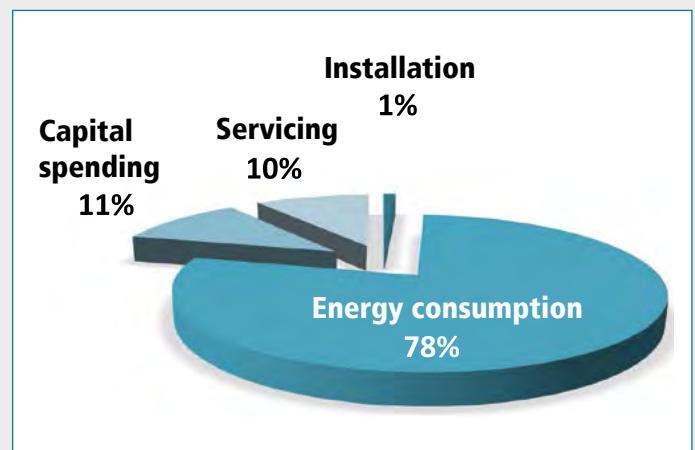
Variable speed control

Strong fluctuations of compressed air cannot be avoided in many operations. Even in such cases compressed air can be generated economically – 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; the frequency converter is integrated and firmly installed in the switch cabinet.



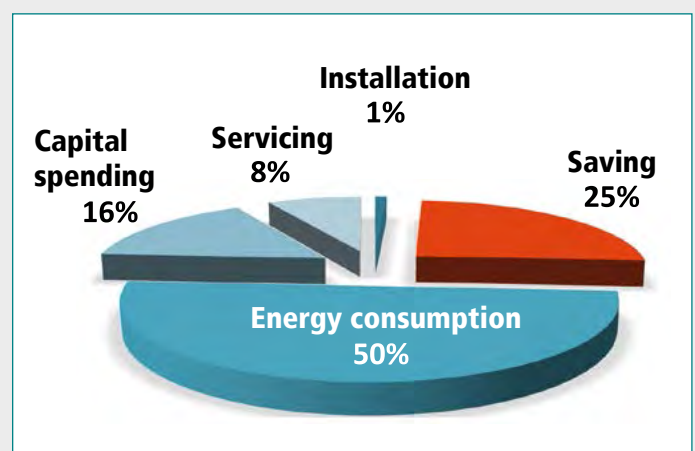
Comparing total cost after 5 years:

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 RSF compressors with variable speed control:



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

Optional: internal and external heat recovery.

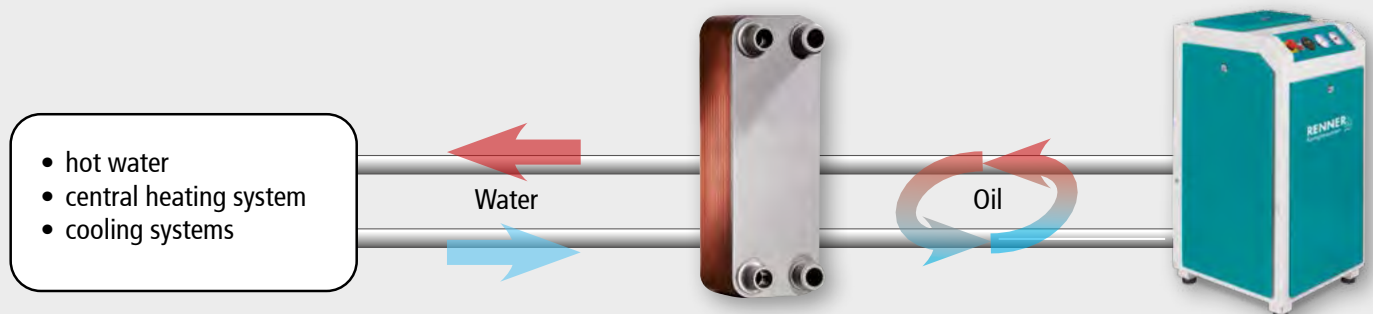
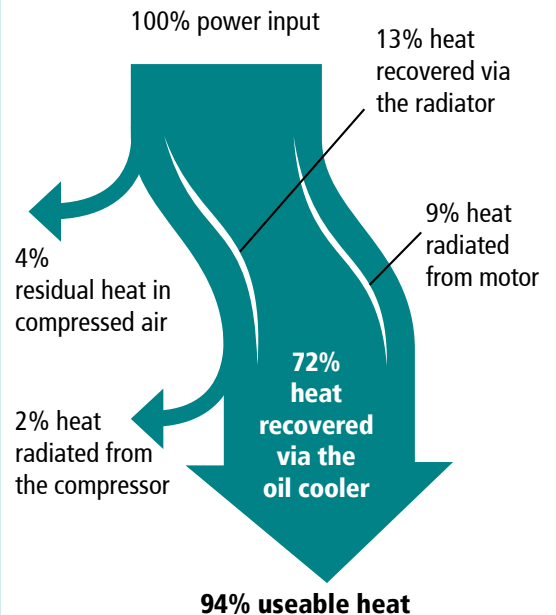


When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. With RENNER heat recovery, you can regain up to 94% of the energy you have already used as heat in the form of hot air, industrial water or hot water. This makes perfect sense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

Heat recovery via plate heat exchanger: the heat exchangers feature a very simple installation, the integration into the existing water cycle is done by an installer. No external energy is required for the operation.

- for RENNER screw compressors 7.5 – 250 kW
- standard: inlet temp. 15°C, outlet temp. 65°C (industrial water)
or
inlet temp. 35°C, outlet temp. 65°C (reflux heating)
- other temperature ranges available on request
- safety heat exchanger (drinking water)
- retrofitting available on request

Useable heat with optimally matched heat recovery:



Integrated heat exchanger



External heat exchanger





Screw compressors

RS-PRO 2-30.0 – 55.0 D direct drive
with electronic control RENNERtronic Touch

RS-PRO 2-30.0 – 55.0 D										
Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	mm	kg
	m³/min	cfm	m³/min	cfm						
RS-PRO 2-30.0 D	5.40	191	4.73	167	30.0	40	G1¼	69	1716 x 941 x 1565	989
RS-PRO 2-37.0 D	6.55	231	5.81	205	37.0	50	G1¼	69	1716 x 941 x 1565	1013
RS-PRO 45.0 D	7.85	277	6.99	247	45.0	60	G1½	73	1917 x 981 x 1756	1257
RS-PRO 55.0 D	9.11	322	8.17	289	55.0	74	G1½	75	1917 x 981 x 1756	1323
⁽¹⁾ according to ISO 1217 Annex C ⁽²⁾ according to DIN EN ISO 2151:2009 All models come with ball valve.										
Options										Part no.
Rotation direction control via phase rotation control										10867
Electronic control RENNERtronic Plus Touch										23836
IE4 motor										on request
Heat recovery										on request

Technical changes reserved.



Screw compressors

RSF-PRO 2-30.0 – 55.0 D direct drive
with electronic control RENNERtronic Touch
with pre-filter frame

RSF-PRO 2-30.0 – 55.0 D

Model	Free air delivery (REFlex) ⁽¹⁾⁽²⁾												Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		max. at 13 bar		max. at 15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	mm	kg
RSF-PRO 2-30.0 D	1.81	64	5.42	191	5.19	183	4.71	166	4.02	142	–	–	30	40	G1¼	69	1716 x 941 x 1565	1026
RSF-PRO 2-37.0 D	1.73	61	6.83	241	6.29	222	5.83	206	5.11	180	4.62	163	37	50	G1¼	69	1716 x 941 x 1565	1050
RSF-PRO 45.0 D	1.75	62	8.38	296	7.69	272	6.92	244	5.87	207	5.46	193	45	60	G1½	73	1917 x 981 x 1756	1308
RSF-PRO 55.0 D	1.85	65	9.21	325	8.69	307	8.17	289	7.37	260	6.92	244	55	74	G1½	75	1917 x 981 x 1756	1374

⁽¹⁾ according to ISO 1217 Annex E
All models with ball valve.

⁽²⁾ REFlex function: pressure range continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
Water-cooling system	on request
IE4 motor	on request
Heat recovery	on request

Technical changes reserved.

COMPRESSED AIR FOR ALL APPLICATIONS



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THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring



COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

Emil-Weber-Strasse 32
D-74363 Gueglingen

Phone +49 (0) 7135 93193-0

Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.de



DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

RS-PRO 2-30.0 – 55.0

RSF-PRO 2-30.0 – 55.0

 Made in
Germany



Motor power: 30.0 – 55.0 kW



RS-PRO 2-30.0 – 55.0



RSK-PRO 2-30.0 – 45.0



RSF-PRO 2-30.0 – 55.0



RSKF-PRO 2-30.0 – 2-37.0

RENNER GmbH Kompressoren – success rooted in tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for more than 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors.

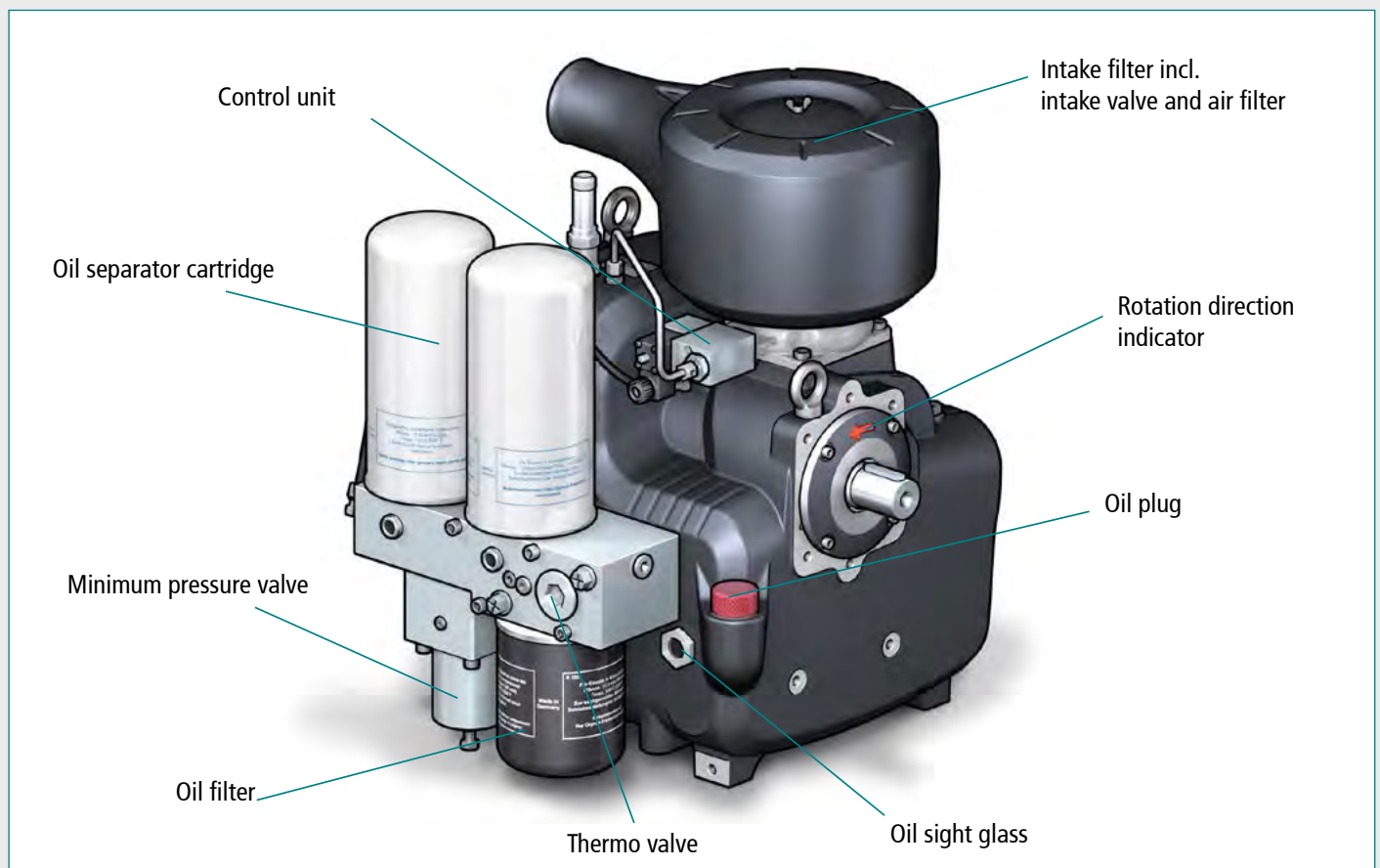
RENNER has about 180 employees to provide you with first-class technical advice, robust compressor engineering, and reliable service in virtually more than one hundred countries. We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the segments of oil-free compressed air and piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



RS-PRO screw compressors – RENNER's compact, robust, high-performance range.

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.

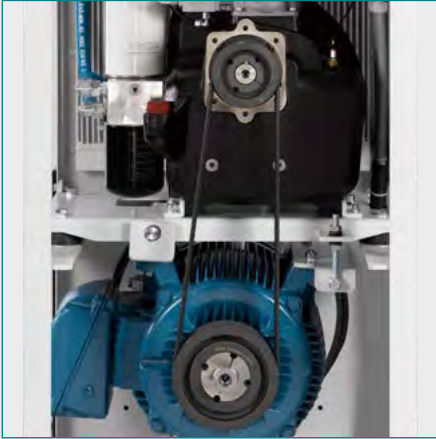
Excellent economy, long service life, and simple, economical maintenance are the most important criteria in the development of new products, and when developing the new RS-PRO series the focus was set firmly on powerful, efficient compressed air supply with low space requirement and easy access to the relevant parts for maintenance.



Design features and advantages of the RS-PRO range:

- 2-years full functional warranty.
- Easily removable doors allow easy access to the individual components for maintenance.
- The right solution for all requirements: as a freestanding system, with attached refrigeration dryer and as a complete unit on air receiver in various sizes.
- Intensive cooling combined with an effective after cooler guarantees operational safety and excellent air quality.
- Developed for industrial use – including continuous operation.
- The use of standard components from German brand manufacturers guarantees a high quality standard and enables short reaction times in the event of faults.
- Compact compressor air ends without additional connecting pipes and elements. A separate oil separator receiver is not required.
- 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.
- Control system RENNERlogic as a standard.
- Optionally: control system RENNERtronic Touch / RENNERtronic Plus Touch.

Belt tension



Belt tensioning is effected by means of a motor rocker. The optimum sling arrangement of the belt around the pulley ensures even better power transfer.

Pre-filter frames



The RS-PRO range is optionally available with pre-filter frames to protect against dirt particles. The frames are attached by means of magnets and can easily be retrofitted.

Radial fan



The RSF-PRO range is built standard with radial fan. Thanks to the efficient rear duct silencer and the new radial fans, noise levels are reduced to a minimum.



Protected frequency converter

The frequency converter is separated from the air supply of the compressor by a metal sheet and thus protected from polluting particles.

Heat exchanger

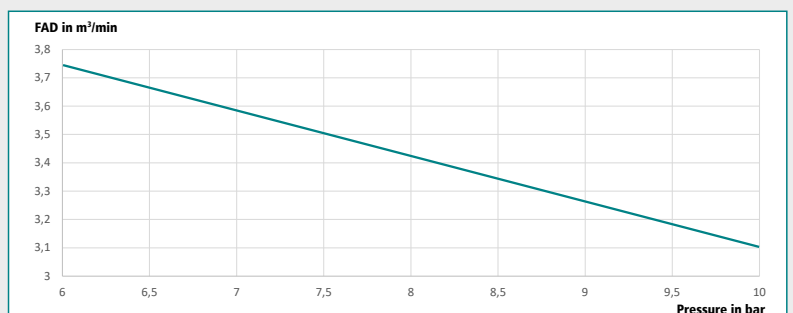
RENNER's RS-PRO range has an optional heat recovery system for industrial or hot water.



Operating mode of RSF-PRO from 6-10 bar (REflex)

All RENNER compressors with variable speed control adapt flexibly and automatically to current pressure regarding both pressure and free air delivery. Thus the compressor provides at all times the optimally adjusted free air delivery in the set pressure range (6 to 10 bar).

- 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.



Energy savings: compressors with variable speed control. The RSF-PRO series is characterized by quality and efficiency.

RENNER screw compressors with variable speed control are designed for tough industrial applications. Additionally the compressors are equipped with the RENNERtronic Touch intelligent control and monitoring system.

Do you know how much energy your compressed air station requires and how much goes to waste?

About 60,000 compressed air stations in Germany consume 14 billion kWh of electricity annually. This corresponds to 5% 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.

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.

Optimum use of energy: RENNER screw compressors with variable speed control

- 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

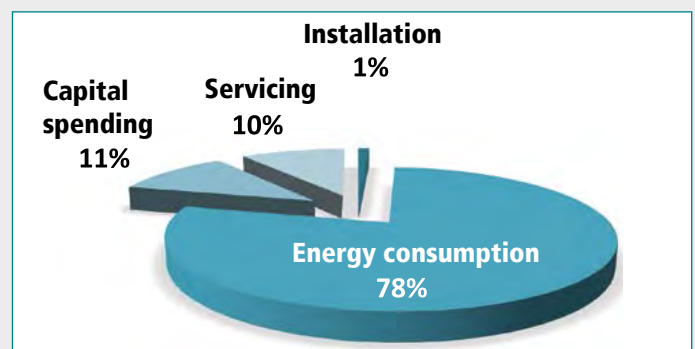
Variable speed control

Strong fluctuations of compressed air cannot be avoided in many operations. Even in such cases compressed air can be generated economically – 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; the frequency converter is integrated and firmly installed in the switch cabinet.



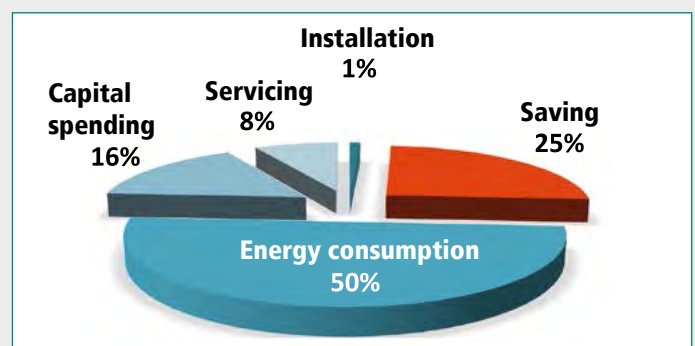
Comparing total cost after 5 years:

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 RSF compressors with variable speed control:



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

RENNERtronic Touch



Smartphone-like operation:

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



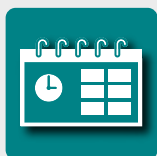
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer 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.



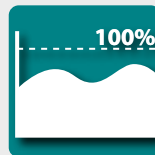
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



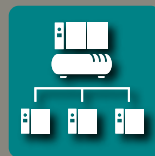
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.





Screw compressors

RS-PRO 2-30.0 – 55.0

RSK-PRO 2-30.0 – 45.0 with refrigeration dryer

RS-PRO 2-30.0 – 55.0 / RSK-PRO 2-30.0 – 45.0

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽²⁾⁽³⁾	mm	kg ⁽³⁾
RS-PRO 2-30.0	5.22	184	4.61	163	3.59	127	3.29	117	30.0	40.0	G1¼	74/71	1305 x 830 x 1640	746/779
RS-PRO 2-37.0	6.36	225	5.58	197	4.66	165	4.10	145	37.0	49.5	G1¼	77/74	1305 x 830 x 1640	762/795
RS-PRO 45.0	7.70	272	6.92	244	5.71	202	4.99	176	45.0	60.5	G1½	77/74	1485 x 880 x 1760	939/986
RS-PRO 55.0	9.02	319	7.94	280	6.93	245	6.09	215	55.0	74.0	G1½	79/76	1485 x 880 x 1760	1017/1064
RSK-PRO 2-30.0	5.22	184	4.61	163	3.59	127	3.29	117	30.0	40.0	G1¼	74/71	1654 x 830 x 1640	829/862
RSK-PRO 2-37.0	6.36	225	5.58	197	4.66	165	4.10	145	37.0	49.5	G1¼	77/74	1654 x 830 x 1640	845/878
RSK-PRO 45.0	*		6.92	244	5.71	202	4.99	176	45.0	60.5	G1½	77/74	1834 x 880 x 1760	1022/1069

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ with rear duct silencer / with super rear duct silencer

* on request

All models with ball valve and electrical feed cable.

Options	Part no.
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Super rear duct silencer for RS-PRO / RSK-PRO (sound reduction of about 3 dB)	30.0 + 37.0 kW
Super rear duct silencer for RS-PRO / RSK-PRO (sound reduction of about 3 dB)	45.0 + 55.0 kW
Level actuated drain for refrigeration dryer	05311
IE4 motor	on request



Screw compressors

RSF-PRO 2-30.0 – 55.0

RSKF-PRO 2-30.0 – 45.0 with refrigeration dryer

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

RSF-PRO 2-30.0 – 55.0 / RSKF-PRO 2-30.0 – 45.0

Model	Free air delivery (REFlex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	mm	kg
RSF-PRO 2-30.0	1.68	59	5.68	200	5.23	185	4.61	163	1.01-3.59	36-127	0.85-3.29	30-115	30.0	40.0	G1¼	69	1400 x 830 x 1640	850
RSF-PRO 2-37.0	2.10	74	6.96	246	6.64	234	5.87	207	1.33-4.66	47-165	1.11-4.10	39-144	37.0	49.5	G1¼	72	1400 x 830 x 1640	880
RSF-PRO 45.0	2.58	91	8.54	302	7.78	275	7.02	248	1.69-5.71	60-201	1.45-4.99	51-175	45.0	60.5	G1½	74	1680 x 880 x 1760	1120
RSF-PRO 55.0	3.00	106	9.34	330	8.95	316	8.19	289	2.01-6.93	71-245	1.73-6.09	61-213	55.0	74.0	G1½	76	1680 x 880 x 1760	1198
RSKF-PRO 2-30.0	1.68	59	5.68	200	5.23	185	4.61	163	1.01-3.59	36-127	0.85-3.29	30-115	30.0	40.0	G1¼	69	1750 x 830 x 1640	933
RSKF-PRO 2-37.0	2.10	74	6.96	246	6.64	234	5.87	207	1.33-4.66	47-165	1.11-4.10	39-144	37.0	50.0	G1¼	72	1750 x 830 x 1640	963
RSKF-PRO 45.0	*	*	*	*	*	*	*	*	1.69-5.71	60-202	1.45-4.99	51-176	45.0	60.5	G1½	74	2030 x 880 x 1760	1203

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ Reflex function: 6 to 10 bar, continuously variable
All models with ball valve and electrical feed cable.

⁽³⁾ according to DIN EN ISO 2151:2009

* on request

Options	Part no.
Electronic control RENNERtronic Plus Touch	23836
Level actuated drain for refrigeration dryer	05311
IE4 motor	on request

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring



COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

Emil-Weber-Strasse 32
D-74363 Gueglingen

Phone +49 (0) 7135 93193-0
Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.de



DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

RS-PRO 3.0 – 18.5
RSF-PRO 5.5 – 18.5

 Made in Germany



Motor power: 3.0 – 18.5 kW



RS-PRO 3.0 – 18.5
RSF-PRO 5.5 – 18.5



RSK-PRO 3.0 – 18.5
RSKF-PRO 5.5 – 18.5



RSD-PRO 3.0 – 18.5
RSDF-PRO 5.5 – 18.5



RSDK-PRO 3.0 – 18.5
RSDKF-PRO 5.5 – 18.5

RENNER GmbH Kompressoren – success rooted in tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for 25 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors and complete compressed air stations.

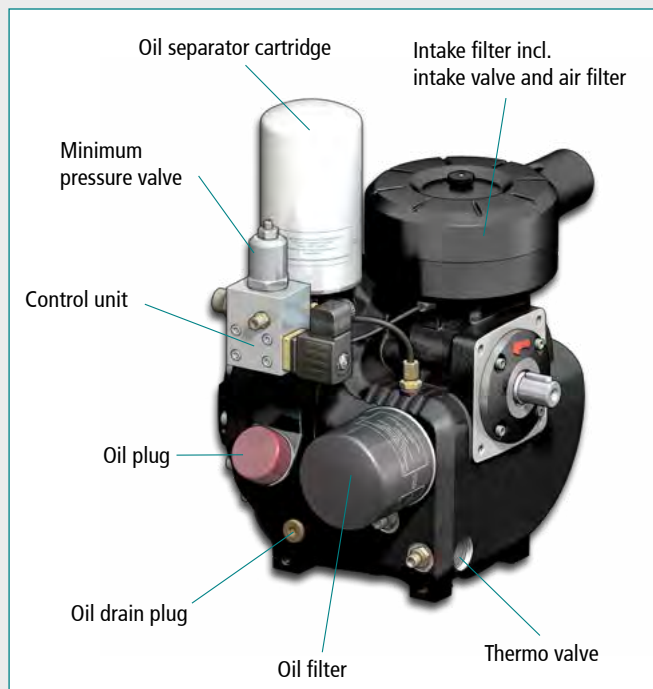
RENNER has more than 160 employees to provide you with first-class technical advice, robust compressor engineering, and reliable service in virtually more than one hundred countries. We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the segments of oil-free compressed air and piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



RS-PRO screw compressors – RENNER's compact, robust, high-performance range.

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, and when developing the new RS-PRO series the focus was set firmly on powerful, efficient compressed air supply with low space requirement and easy access to the relevant parts for maintenance.



Picture: PRO 1

Design features and advantages of the RS-PRO series:

- 2-years full warranty.
- easily removable doors allow easy access to the individual components for maintenance.
- the right solution for all requirements: as a freestanding system, with attached refrigeration dryer and as a complete unit on air receiver in various sizes.
- intensive cooling combined with an effective oil-air cooler guarantees operational safety and excellent air quality.
- developed for industrial use – including continuous operation
- the use of standard components from German brand manufacturers guarantees a high quality standard and enables short reaction times in the event of faults.
- compact compressor air ends without additional connecting pipes and elements. A separate oil separator receiver is not required.
- 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.
- control system RENNERlogic as a standard.
- optional extras:
RENNERtronic Touch / RENNERtronic Plus Touch electronic control.

Mobile even without a pallet



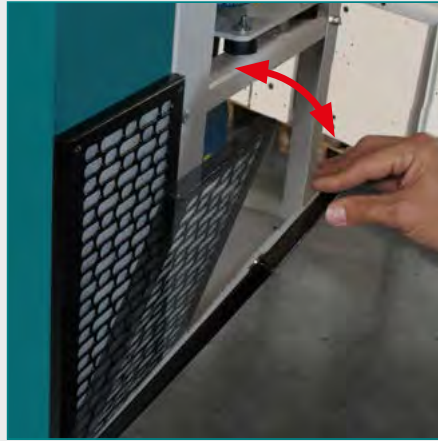
All variants with compressed air tank, manufactured and tested in accordance with AD2000 guidelines, can be moved by a forklift without the need for a pallet.

Belt tension



Belt tensioning is effected by means of a motor rocker. The optimum sling arrangement of the belt around the pulley ensures even better power transfer.

Pre filter frame



The RS-PRO is optionally available with a pre-filter frame to protect against dirt contamination. The frame can be attached very simply by means of magnets.

Radial fan



The RSF-PRO range is built standard with radial fan. Thanks to the efficient rear duct silencer and the new radial fan, noise levels are reduced to a minimum.



Protected frequency converter

The frequency converter is separated from the air supply of the compressor by a metal sheet and thus protected from polluting particles.

Heat exchanger

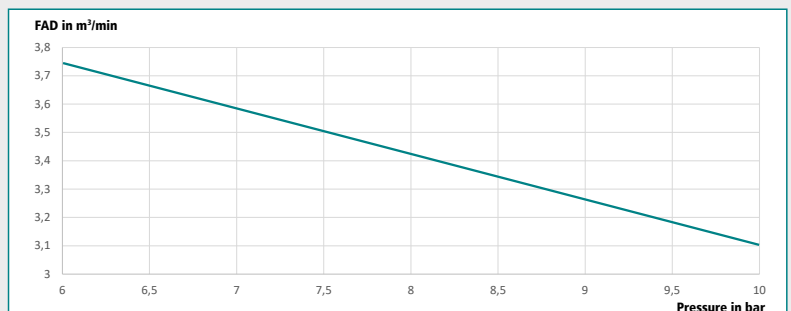
RENNER's RS-PRO range has an optional heat recovery system for industrial or hot water.



Operating mode of RSF-PRO screw compressors from 6 to 10 bar (REflex)

All RENNER compressors with variable speed control adapt flexibly and automatically to current pressure regarding both pressure and free air delivery. Thus the compressor provides at all times the optimally adjusted free air delivery in the set pressure range (6 to 10 bar).

- 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
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- use of advanced compressed air piping systems without leakage
- regular service by factory-trained service technicians

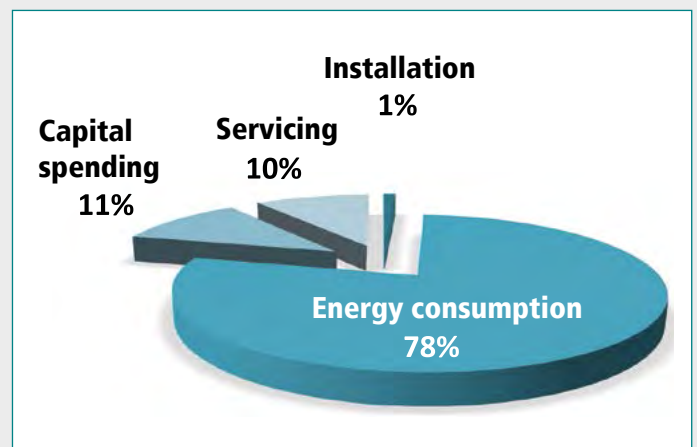
Variable speed control

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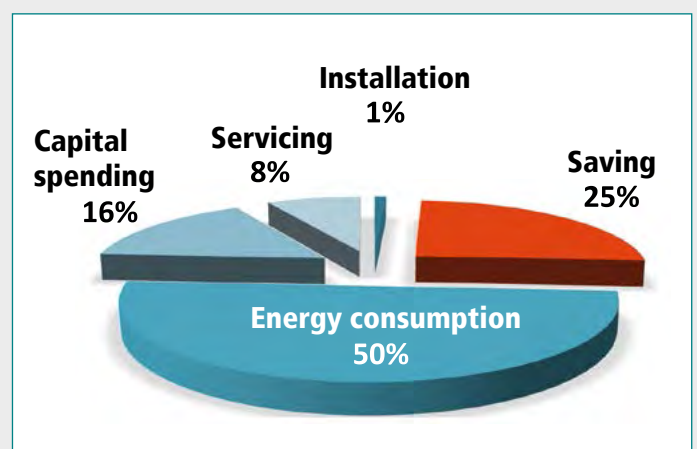
Comparing total cost after 5 years:

Fixed speed compressors:



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Screw compressors

RS-PRO 3.0 – 18.5

RSK-PRO 3.0 – 18.5 with refrigeration dryer

RS-PRO 3.0 – 18.5 / RSK-PRO 3.0 – 18.5

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽²⁾	mm	kg
RS-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61 ⁽³⁾	540 x 553 x 1014	153/167/176 ⁽³⁾
RS-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61 ⁽³⁾	540 x 553 x 1014	153/167/176 ⁽³⁾
RS-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61 ⁽³⁾	540 x 553 x 1014	172/186/195 ⁽³⁾
RS-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	67/63/61 ⁽³⁾	540 x 553 x 1014	198/212/221 ⁽³⁾
RS-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	74/70/68 ⁽³⁾	540 x 553 x 1014	216/230/239 ⁽³⁾
RS-PRO 2-11.0	1.88	66	1.61	57	1.30	46	1.12	40	11.0	15.0	G¾	69 ⁽⁴⁾	1078 x 684 x 1131	337 ⁽⁴⁾
RS-PRO 15.0	2.67	94	2.31	82	1.86	66	1.69	60	15.0	20.0	G¾	72 ⁽⁴⁾	1078 x 684 x 1131	350 ⁽⁴⁾
RS-PRO 18.5	2.82	100	2.45	87	1.96	69	1.78	63	18.5	25.0	G¾	74 ⁽⁴⁾	1078 x 684 x 1131	371 ⁽⁴⁾
RSK-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	63/61 ⁽⁵⁾	994 x 553 x 1014	203/212 ⁽⁵⁾
RSK-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	63/61 ⁽⁵⁾	994 x 553 x 1014	203/212 ⁽⁵⁾
RSK-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	63/61 ⁽⁵⁾	994 x 553 x 1014	222/231 ⁽⁵⁾
RSK-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	63/61 ⁽⁵⁾	994 x 553 x 1014	251/260 ⁽⁵⁾
RSK-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	70/68 ⁽⁵⁾	994 x 553 x 1014	269/278 ⁽⁵⁾
RSK-PRO 2-11.0	1.88	66	1.61	57	1.30	46	1.12	40	11.0	15.0	G¾	69 ⁽⁴⁾	1423 x 684 x 1131	376 ⁽⁴⁾
RSK-PRO 15.0	2.67	94	2.31	82	1.86	66	1.69	60	15.0	20.0	G¾	72 ⁽⁴⁾	1423 x 684 x 1131	389 ⁽⁴⁾
RSK-PRO 18.5	2.82	100	2.45	87	1.96	69	1.78	63	18.5	25.0	G¾	74 ⁽⁴⁾	1423 x 684 x 1131	430 ⁽⁴⁾

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ without rear duct silencer / with rear duct silencer / with super rear duct silencer

⁽⁴⁾ with rear duct silencer

⁽⁵⁾ with rear duct silencer / with super rear duct silencer

All models with ball valve and electrical feed cable.

Options	Part no.	
Star-delta-starter for all 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866	
Rotation direction control via phase rotation control	10867	
Electronic control RENNERtronic Touch	22295	
Electronic control RENNERtronic Plus Touch	22297	
Rear duct silencer (sound reduction of about 4 dB)	RS-PRO 3.0 – 11.0	Compressor overall dimensions: length +200 mm
Super rear duct silencer (sound reduction of about 6 dB)	RS-PRO 3.0 – 11.0	Compressor overall dimensions: length +280 mm
Super rear duct silencer (sound reduction of about 2 dB)	RSK-PRO 3.0 – 11.0	Compressor overall dimensions: length +80 mm
Exhaust air box	RS-PRO / 3.0 – 11.0	04778
Level actuated drain for refrigeration dryer	05311	
IE4 motor	on request	

Screw compressors

RSF-PRO 5.5 – 18.5

RSKF-PRO 5.5 – 18.5 with refrigeration dryer

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



RSF-PRO 5.5 – 18.5 / RSKF-PRO 5.5 – 18.5

Model	Free air delivery m³/min (REflex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar							
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	mm	kg
RSF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	0.31-0.61	11-22	0.26-0.51	9-18	5.5	7.5	G½	62	824 x 553 x 1014	215
RSF-PRO 7.5	0.33	12	1.37	48	1.24	44	1.09	38	0.43-0.86	15-30	0.40-0.79	14-28	7.5	10.0	G½	62	824 x 553 x 1014	237
RSF-PRO 11.0	0.42	15	1.64	58	1.60	57	1.56	55	0.65-1.29	23-46	0.56-1.11	20-39	11.0	15.0	G½	69	824 x 553 x 1014	263
RSF-PRO 2-11.0	0.53	19	2.04	72	1.82	64	1.61	57	0.71-1.30	25-46	0.67-1.12	24-40	11.0	15.0	G¾	68	1078 x 684 x 1131	373
RSF-PRO 15.0	0.71	25	2.74	97	2.57	91	2.31	81	0.93-1.86	33-66	0.84-1.69	30-60	15.0	20.0	G¾	71	1078 x 684 x 1131	397
RSF-PRO 18.5	0.88	31	2.82	100	2.64	93	2.45	87	0.98-1.96	35-69	0.89-1.78	31-63	18.5	25.0	G¾	73	1078 x 684 x 1131	418
RSKF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	0.31-0.61	11-22	0.26-0.51	9-18	5.5	7.5	G½	62	1079 x 553 x 1014	251
RSKF-PRO 7.5	0.33	12	1.37	48	1.24	44	1.09	38	0.43-0.86	15-30	0.40-0.79	14-28	7.5	10.0	G½	62	1079 x 553 x 1014	273
RSKF-PRO 11.0	0.42	15	1.64	58	1.60	57	1.56	55	0.65-1.29	23-46	0.56-1.11	20-39	11.0	15.0	G½	69	1079 x 553 x 1014	299
RSKF-PRO 2-11.0	0.53	19	2.04	72	1.82	64	1.61	57	0.71-1.30	25-46	0.67-1.12	24-40	11.0	15.0	G¾	68	1423 x 684 x 1131	412
RSKF-PRO 15.0	0.71	25	2.74	97	2.57	91	2.31	81	0.93-1.86	33-66	0.84-1.69	30-60	15.0	20.0	G¾	71	1423 x 684 x 1131	456
RSKF-PRO 18.5	0.88	31	2.82	100	2.64	93	2.45	87	0.98-1.96	35-69	0.89-1.78	31-63	18.5	25.0	G¾	73	1423 x 684 x 1131	477

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ Reflex function: 6 to 10 bar, continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

All models with ball valve and electrical feed cable.

Options

Part no.

Electronic control RENNERtronic Plus Touch

23836

Level actuated drain for refrigeration dryer

05311

IE4 motor

on request



Screw compressors

RSD-PRO 3.0 – 18.5 on galvanized air receiver

air receiver according to AD2000 directives (from 250 ltr with hand hole)

RSD-PRO 3.0 – 18.5

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar m³/min	cfm	10 bar m³/min	cfm	13 bar m³/min	cfm	15 bar m³/min	cfm	kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
RSD-PRO 3.0	0.54	19	0.41	15	–	–	–	–	3.0	4.0	G½	67/63/61 ⁽³⁾	90 ⁽⁴⁾	982 x 553 x 1499	204/218/227 ⁽³⁾
RSD-PRO 4.0	0.69	24	0.55	20	–	–	–	–	4.0	5.5	G½	67/63/61 ⁽³⁾	90 ⁽⁴⁾	982 x 553 x 1499	204/218/227 ⁽³⁾
RSD-PRO 5.5	0.91	32	0.78	28	–	–	–	–	5.5	7.5	G½	67/63/61 ⁽³⁾	90 ⁽⁴⁾	982 x 553 x 1499	223/237/246 ⁽³⁾
RSD-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61 ⁽³⁾	2x90 ⁽⁴⁾	982 x 755 x 1510	249/263/272 ⁽³⁾
RSD-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61 ⁽³⁾	2x90 ⁽⁴⁾	982 x 755 x 1510	249/263/272 ⁽³⁾
RSD-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61 ⁽³⁾	2x90 ⁽⁴⁾	982 x 755 x 1510	268/282/291 ⁽³⁾
RSD-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	67/63/61 ⁽³⁾	2x90 ⁽⁴⁾	982 x 755 x 1510	294/308/317 ⁽³⁾
RSD-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61 ⁽³⁾	250	1397 x 612 x 1624	239/253/262 ⁽³⁾
RSD-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61 ⁽³⁾	250	1397 x 612 x 1624	239/253/262 ⁽³⁾
RSD-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61 ⁽³⁾	250	1397 x 612 x 1624	258/272/281 ⁽³⁾
RSD-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	67/63/61 ⁽³⁾	250	1397 x 612 x 1624	284/298/307 ⁽³⁾
RSD-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	74/70/68 ⁽³⁾	250	1397 x 612 x 1624	302/316/325 ⁽³⁾
RSD-PRO 2-11.0	1.88	66	1.61	57	1.30	46	1.12	40	11.0	15.0	G¾	69 ⁽⁵⁾	250	1397 x 684 x 1721	424 ⁽⁵⁾
RSD-PRO 15.0	2.67	94	2.31	82	1.86	66	1.69	60	15.0	20.0	G¾	72 ⁽⁵⁾	250	1397 x 684 x 1721	435 ⁽⁵⁾
RSD-PRO 18.5	2.82	100	2.45	87	1.96	69	1.78	63	18.5	25.0	G¾	74 ⁽⁵⁾	500	1778 x 710 x 1826	501 ⁽⁵⁾

⁽¹⁾ according to ISO 1217 Annex C ⁽²⁾ according to DIN EN ISO 2151:2009 ⁽³⁾ without rear duct silencer / with rear duct silencer / with super rear duct silencer

⁽⁴⁾ with certificate before start-up. ⁽⁵⁾ with rear duct silencer All models with ball valve and electrical feed cable.

Options	Part no.
Star-delta-starter for all 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Rear duct silencer (sound reduction of about 4 dB)	RSD-PRO 3.0 – 11.0 Compressor overall dimensions: length +200 mm 21264
Super rear duct silencer (sound reduction of about 6 dB)	RSD-PRO 3.0 – 11.0 Compressor overall dimensions: length +280 mm 04829
Exhaust air box	RSD-PRO 3.0 – 11.0 04778
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90 ltr air receiver with level-controlled condensate drain	13274
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 15 mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motor	on request
Water-cooling system	on request

Screw compressors

RSDF-PRO 5.5 – 18.5 on galvanized air receiver, with variable speed control, pre-filter frames and electronic control RENNERtronic Touch

air receiver according to AD2000 directives (from 250 ltr with hand hole)



RSDF-PRO 5.5 – 18.5

Model	Free air delivery (REflex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar								
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	ltr	mm	kg
RSDF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	–	–	–	–	5.5	7.5	G½	62	90 ⁽⁴⁾	982 x 553 x 1504	266
RSDF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	–	–	–	–	5.5	7.5	G½	62	2x90 ⁽⁴⁾	982 x 755 x 1550	311
RSDF-PRO 7.5	0.33	12	1.37	48	1.24	44	1.09	38	–	–	–	–	7.5	10.0	G½	62	2x90 ⁽⁴⁾	982 x 755 x 1550	333
RSDF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	0.31-0.61	11-22	0.26-0.51	9-18	5.5	7.5	G½	62	250	1397 x 612 x 1624	301
RSDF-PRO 7.5	0.33	12	1.37	48	1.24	44	1.09	38	0.43-0.86	15-30	0.40-0.79	14-28	7.5	10.0	G½	62	250	1397 x 612 x 1624	323
RSDF-PRO 11.0	0.42	15	1.64	58	1.60	57	1.56	55	0.65-1.29	23-46	0.56-1.11	20-39	11.0	15.0	G½	69	250	1397 x 612 x 1624	349
RSDF-PRO 2-11.0	0.53	19	2.04	72	1.82	64	1.61	57	0.71-1.30	25-46	0.67-1.12	24-40	11.0	15.0	G¾	68	250	1397 x 684 x 1721	460
RSDF-PRO 15.0	0.71	25	2.74	97	2.57	91	2.31	81	0.93-1.86	33-66	0.84-1.69	30-60	15.0	20.0	G¾	71	250	1397 x 684 x 1721	484
RSDF-PRO 18.5	0.88	31	2.82	100	2.64	93	2.45	87	0.98-1.96	35-69	0.89-1.78	31-63	18.5	25.0	G¾	73	500	1778 x 710 x 1826	548

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REflex function: 6 to 10 bar. continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

⁽⁴⁾ with certificate before start-up.

All models with ball valve and electrical feed cable.

Options	Part no.
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Electronic control RENNERtronic Plus Touch	23836
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90 ltr air receiver with level-controlled condensate drain	13274
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 15 mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motor	on request
Water-cooling system	on request



Screw compressors

RSDK-PRO 3.0 – 18.5 with refrigeration dryer, on galvanized air receiver

air receiver according to AD2000 directives (from 250 ltr with hand-hole)

RSDK-PRO 3.0 – 18.5

Model	Free air delivery ⁽¹⁾								Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar								
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
RSDK-PRO 3.0	0.54	19	0.41	15	—	—	—	—	3.0	4.0	G½	63/61 ⁽³⁾	90 ⁽⁴⁾	1044 x 553 x 1504	254/263 ⁽³⁾
RSDK-PRO 4.0	0.69	24	0.55	20	—	—	—	—	4.0	5.5	G½	63/61 ⁽³⁾	90 ⁽⁴⁾	1044 x 553 x 1504	254/263 ⁽³⁾
RSDK-PRO 5.5	0.91	32	0.78	28	—	—	—	—	5.5	7.5	G½	63/61 ⁽³⁾	90 ⁽⁴⁾	1044 x 553 x 1504	273/282 ⁽³⁾
RSDK-PRO 3.0	0.54	19	0.41	15	—	—	—	—	3.0	4.0	G½	63/61 ⁽³⁾	2x90 ⁽⁴⁾	1035 x 755 x 1550	299/308 ⁽³⁾
RSDK-PRO 4.0	0.69	24	0.55	20	—	—	—	—	4.0	5.5	G½	63/61 ⁽³⁾	2x90 ⁽⁴⁾	1035 x 755 x 1550	299/308 ⁽³⁾
RSDK-PRO 5.5	0.91	32	0.78	28	—	—	—	—	5.5	7.5	G½	63/61 ⁽³⁾	2x90 ⁽⁴⁾	1035 x 755 x 1550	318/327 ⁽³⁾
RSDK-PRO 7.5	1.25	44	1.09	38	—	—	—	—	7.5	10.0	G½	63/61 ⁽³⁾	2x90 ⁽⁴⁾	1035 x 755 x 1550	347/356 ⁽³⁾
RSDK-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	63/61 ⁽³⁾	250	1397 x 612 x 1624	289/298 ⁽³⁾
RSDK-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	63/61 ⁽³⁾	250	1397 x 612 x 1624	289/298 ⁽³⁾
RSDK-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	63/61 ⁽³⁾	250	1397 x 612 x 1624	308/317 ⁽³⁾
RSDK-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	63/61 ⁽³⁾	250	1397 x 612 x 1624	337/346 ⁽³⁾
RSDK-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	70/68 ⁽³⁾	250	1397 x 612 x 1624	355/364 ⁽³⁾
RSDK-PRO 2-11.0	1.88	66	1.61	57	1.30	46	1.12	40	11.0	15.0	G¾	69 ⁽⁵⁾	250	1423 x 684 x 1721	463 ⁽⁵⁾
RSDK-PRO 15.0	2.67	94	2.31	82	1.86	66	1.69	60	15.0	20.0	G¾	72 ⁽⁵⁾	250	1423 x 684 x 1721	475 ⁽⁵⁾
RSDK-PRO 18.5	2.82	100	2.45	87	1.96	69	1.78	63	18.5	25.0	G¾	74 ⁽⁵⁾	500	1778 x 710 x 1826	560 ⁽⁵⁾

⁽¹⁾ according to ISO 1217 Annex C

⁽⁴⁾ with certificate before start-up.

⁽²⁾ according to DIN EN ISO 2151:2009

⁽⁵⁾ with rear duct silencer

⁽³⁾ with rear duct silencer / with super rear duct silencer

All models with ball valve and electrical feed cable.

Options

Part no.

Star-delta-starter for all 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Super rear duct silencer (sound reduction of about 2 dB)	RSDK-PRO 3.0 – 11.0
Compressor overall dimensions: length +80 mm	20902
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90 ltr air receiver with level-controlled condensate drain	13274
Level actuated drain for refrigeration dryer	05311
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 15 mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motor	on request
Water-cooling system	on request

Screw compressors

RSDKF-PRO 5.5 – 18.5 on galvanized air receiver, with variable speed control, pre-filter frames and electronic control RENNERtronic Touch

air receiver according to AD2000 directives (from 250 ltr with hand-hole)



RSDKF-PRO 5.5 – 18.5

Model	Free air delivery m³/min (REflex) ⁽¹⁾⁽²⁾								Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	min.		max. at 6 bar		max. at 8 bar		max. at 10 bar		13 bar		15 bar								
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	ltr	mm	kg
RSDKF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	—	—	—	—	5.5	7.5	G½	62	90 ⁽⁴⁾	1129 x 553 x 1504	302
RSDKF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	—	—	—	—	5.5	7.5	G½	62	2x90 ⁽⁴⁾	1120 x 755 x 1550	347
RSDKF-PRO 7.5	0.33	12	1.37	48	1.24	44	1.09	38	—	—	—	—	7.5	10.0	G½	62	2x90 ⁽⁴⁾	1120 x 755 x 1550	369
RSDKF-PRO 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	0.31-0.61	11-22	0.26-0.51	9-18	5.5	7.5	G½	62	250	1397 x 612 x 1624	337
RSDKF-PRO 7.5	0.33	12	1.37	48	1.24	44	1.09	38	0.43-0.86	15-30	0.40-0.79	14-28	7.5	10.0	G½	62	250	1397 x 612 x 1624	359
RSDKF-PRO 11.0	0.42	15	1.64	58	1.60	57	1.56	55	0.65-1.29	23-46	0.56-1.11	20-39	11.0	15.0	G½	69	250	1397 x 612 x 1624	385
RSDKF-PRO 2-11.0	0.53	19	2.04	72	1.82	64	1.61	57	0.71-1.30	25-46	0.67-1.12	24-40	11.0	15.0	G¾	68	250	1423 x 684 x 1721	500
RSDKF-PRO 15.0	0.71	25	2.74	97	2.57	91	2.31	81	0.93-1.86	33-66	0.84-1.69	30-60	15.0	20.0	G¾	71	250	1423 x 684 x 1721	543
RSDKF-PRO 18.5	0.88	31	2.82	100	2.64	93	2.45	87	0.98-1.96	35-69	0.89-1.78	31-63	18.5	25.0	G¾	73	500	1778 x 710 x 1826	607

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REflex function: 6 to 10 bar, continuously variable

⁽³⁾ according to DIN EN ISO 2151:2009

⁽⁴⁾ with certificate before start-up.

All models with ball valve and electrical feed cable.

Options

Part no.

Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Electronic control RENNERtronic Plus Touch	23836
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90 ltr air receiver with level-controlled condensate drain	13274
Level actuated drain for refrigeration dryer	05311
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 15 mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motor	on request
Water-cooling system	on request



Screw compressors

RSD-PRO-ECN 3.0 – 18.5 on powder-coated ECN air receiver

RSDK-PRO-ECN 3.0 – 18.5 with refrigeration dryer, on powder-coated ECN air receiver

powder-coated ECN air receivers with inspection opening 2" according to AD2000 directives

RSD-PRO-ECN 3.0 – 18.5 / RSDK-PRO-ECN 3.0 – 18.5

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar								
	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
RSD-PRO-ECN 3.0	0.54	19	0.41	15	3.0	4.0	G½	67/63/61 ⁽³⁾	270	1490 x 553 x 1609	247/261/270 ⁽³⁾
RSD-PRO-ECN 4.0	0.69	24	0.55	20	4.0	5.5	G½	67/63/61 ⁽³⁾	270	1490 x 553 x 1609	247/261/270 ⁽³⁾
RSD-PRO-ECN 5.5	0.91	32	0.78	28	5.5	7.5	G½	67/63/61 ⁽³⁾	270	1490 x 553 x 1609	266/280/289 ⁽³⁾
RSD-PRO-ECN 7.5	1.25	44	1.09	38	7.5	10.0	G½	67/63/61 ⁽³⁾	270	1490 x 553 x 1609	292/306/315 ⁽³⁾
RSD-PRO-ECN 11.0	1.61	57	1.56	55	11.0	15.0	G½	74/70/68 ⁽³⁾	270	1490 x 553 x 1609	310/324/333 ⁽³⁾
RSD-PRO-ECN 2-11.0	1.88	66	1.61	57	1.30	46	G½	69 ⁽⁴⁾	270	1490 x 684 x 1706	436 ⁽⁴⁾
RSD-PRO-ECN 15.0	2.67	94	2.31	82	1.86	66	G½	72 ⁽⁴⁾	270	1490 x 684 x 1706	448 ⁽⁴⁾
RSD-PRO-ECN 18.5	2.82	100	2.45	87	1.96	69	G½	74 ⁽⁴⁾	500	1880 x 684 x 1803	519 ⁽⁴⁾
RSDK-PRO-ECN 3.0	0.54	19	0.41	15	3.0	4.0	G½	63/61 ⁽⁵⁾	270	1490 x 553 x 1609	297/306 ⁽⁵⁾
RSDK-PRO-ECN 4.0	0.69	24	0.55	20	4.0	5.5	G½	63/61 ⁽⁵⁾	270	1490 x 553 x 1609	297/306 ⁽⁵⁾
RSDK-PRO-ECN 5.5	0.91	32	0.78	28	5.5	7.5	G½	63/61 ⁽⁵⁾	270	1490 x 553 x 1609	316/325 ⁽⁵⁾
RSDK-PRO-ECN 7.5	1.25	44	1.09	38	7.5	10.0	G½	63/61 ⁽⁵⁾	270	1490 x 553 x 1609	345/354 ⁽⁵⁾
RSDK-PRO-ECN 11.0	1.61	57	1.56	55	11.0	15.0	G½	70/68 ⁽⁵⁾	270	1490 x 553 x 1609	363/372 ⁽⁵⁾
RSDK-PRO-ECN 2-11.0	1.88	66	1.61	57	1.30	46	G½	69 ⁽⁴⁾	270	1500 x 684 x 1706	475 ⁽⁴⁾
RSDK-PRO-ECN 15.0	2.67	94	2.31	82	1.86	66	G½	72 ⁽⁴⁾	270	1500 x 684 x 1706	489 ⁽⁴⁾
RSDK-PRO-ECN 18.5	2.82	100	2.45	87	1.96	69	G½	74 ⁽⁴⁾	500	1880 x 684 x 1803	577 ⁽⁴⁾

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ without rear duct silencer / with rear duct silencer / with super rear duct silencer

⁽⁴⁾ with rear duct silencer

⁽⁵⁾ with rear duct silencer / with super rear duct silencer

All models with ball valve and electrical feed cable.

Options	Part no.
Star-delta-starter for all 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Powder-coated 500 ltr ECN air receiver (supplement on price of powder-coated 270 ltr ECN air receiver version)	21882
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Rear duct silencer (sound reduction of about 4 dB)	RSD-PRO-ECN 3.0 – 11.0
Compressor overall dimensions: length +200 mm	21264
Super rear duct silencer (sound reduction of about 6 dB)	RSD-PRO-ECN 3.0 – 11.0
Compressor overall dimensions: length +280 mm	04829
Super rear duct silencer (sound reduction of about 2 dB)	RSDK-PRO-ECN 3.0 – 11.0
Compressor overall dimensions: length +80 mm	20902
Exhaust air box	RSD-PRO-ECN / RSDK-PRO-ECN 3.0 – 11.0
	04778
Level actuated drain for refrigeration dryer	05311
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motor	on request

Screw compressors

RSDF-PRO-ECN 5.5 – 18.5 on powder-coated ECN air receiver and with variable speed control and pre-filter frames
 RSDKF-PRO-ECN 5.5 – 18.5 on powder-coated ECN air receiver, refrigeration dryer, with variable speed control and pre-filter frames

all with electronic control RENNERtronic Touch

powder-coated ECN air receivers with inspection opening 2" according to AD2000 directives



RSDF-PRO-ECN 5.5 – 18.5 / RSDKF-PRO-ECN 5.5 – 18.5

Model	Free air delivery(REFlex) ⁽¹⁾⁽²⁾								Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	min.		max.at 6 bar		max. at 8 bar		max. at 10 bar								
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	kW	HP	inch	dB(A) ⁽³⁾	ltr	mm	kg
RSDF-PRO-ECN 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	5.5	7.5	G½	62	270	1490 x 553 x 1609	309
RSDF-PRO-ECN 7.5	0.33	12	1.37	48	1.24	44	1.09	39	7.5	10.0	G½	62	270	1490 x 553 x 1609	331
RSDF-PRO-ECN 11.0	0.42	15	1.64	58	1.60	57	1.56	55	11.0	15.0	G½	69	270	1490 x 553 x 1609	357
RSDF-PRO-ECN 2-11.0	0.53	19	2.04	72	1.82	64	1.61	57	11.0	15.0	G¾	68	270	1490 x 684 x 1706	472
RSDF-PRO-ECN 15.0	0.71	25	2.74	97	2.57	91	2.31	81	15.0	20.0	G¾	71	270	1490 x 684 x 1706	496
RSDF-PRO-ECN 18.5	0.88	31	2.82	100	2.64	93	2.45	87	18.5	25.0	G¾	73	500	1880 x 684 x 1803	567
RSDKF-PRO-ECN 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	5.5	7.5	G½	62	270	1490 x 553 x 1609	345
RSDKF-PRO-ECN 7.5	0.33	12	1.37	48	1.24	44	1.09	39	7.5	10.0	G½	62	270	1490 x 553 x 1609	367
RSDKF-PRO-ECN 11.0	0.42	15	1.64	58	1.60	57	1.56	55	11.0	15.0	G½	69	270	1490 x 553 x 1609	393
RSDKF-PRO-ECN 2-11.0	0.53	19	2.04	72	1.82	64	1.61	57	11.0	15.0	G¾	68	270	1500 x 684 x 1706	512
RSDKF-PRO-ECN 15.0	0.71	25	2.74	97	2.57	91	2.31	81	15.0	20.0	G¾	71	270	1500 x 684 x 1706	553
RSDKF-PRO-ECN 18.5	0.88	31	2.82	100	2.64	93	2.45	87	18.5	25.0	G¾	73	500	1880 x 684 x 1803	627

⁽¹⁾ according to ISO 1217 Annex E

⁽²⁾ REFlex function: 6 to 10 bar, continuously variable
 All models with ball valve and electrical feed cable.

⁽³⁾ according to DIN EN ISO 2151:2009

Options

Part no.

Powder-coated 500 ltr ECN air receiver (supplement on price of powder-coated 270 ltr ECN air receiver version)

21882

Electronic control RENNERtronic Plus Touch

23836

Level actuated drain for refrigeration dryer

05311

Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain

03162

Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)

15221

IE4 motor

on request

RENNERtronic Touch



Smartphone-like operation:

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



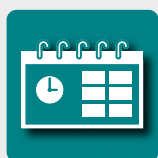
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer 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.



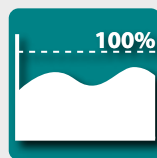
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



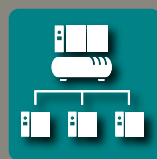
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.



Optional: internal and external heat recovery.

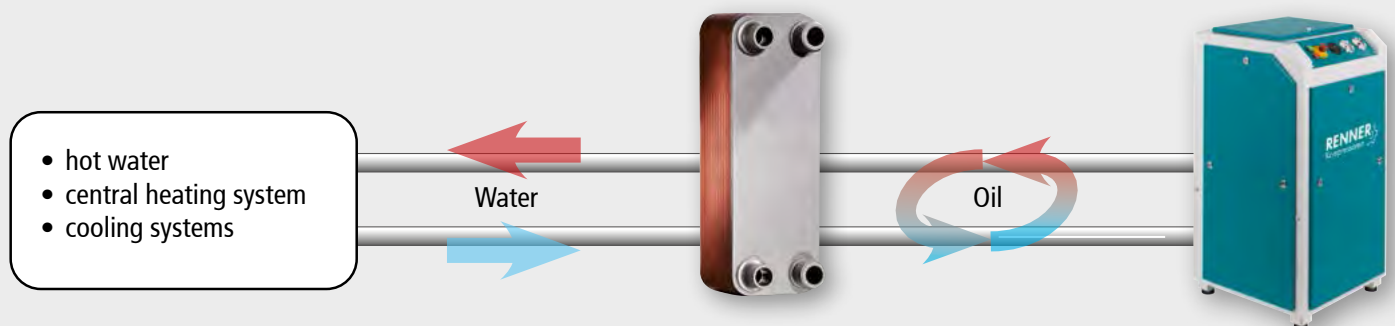
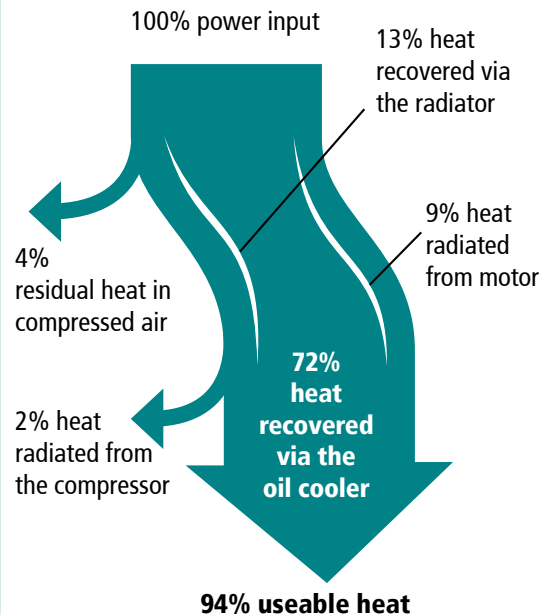


When using screw compressors, a large amount of heat is also generated in addition to the actual main product – compressed air. With RENNER heat recovery, you can regain up to 94% of the energy you have already used as heat in the form of hot air, industrial water or hot water. This makes perfect sense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

Heat recovery via plate heat exchanger: the heat exchangers feature a very simple installation, the integration into the existing water cycle is done by an installer. No external energy is required for the operation.

- for RENNER screw compressors 7.5 – 250 kW
- standard: inlet temp. 15°C, outlet temp. 65°C (industrial water)
or
inlet temp. 35°C, outlet temp. 65°C (reflux heating)
- other temperature ranges available on request
- safety heat exchanger (drinking water)
- retrofitting available on request

Useable heat with optimally matched heat recovery:



Integrated heat exchanger



External heat exchanger



COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring



COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

RENNER GmbH · Kompressoren

Emil-Weber-Strasse 32
D-74363 Gueglingen

Phone +49 (0) 7135 93193-0
Fax +49 (0) 7135 93193-50

E-Mail: info@renner-kompressoren.de
www.renner-kompressoren.de



DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

RS-B

 Made in Germany



Motor power: 2.2 to 11.0 kW



RS-B 2.2 – 11.0



RSK-B 2.2 – 11.0



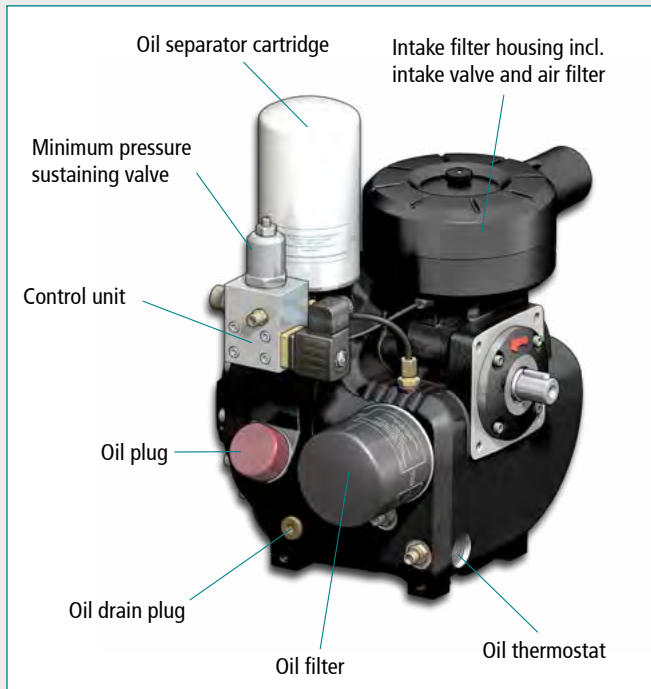
RSD-B 2.2 – 11.0



RSDK-B 2.2 – 11.0

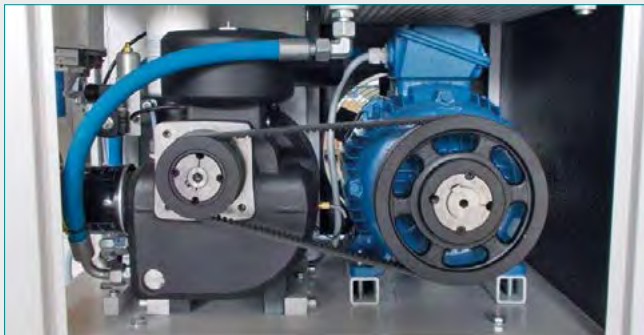
RS-B screw compressors – the compact, high-performance and robust series from RENNER.

In the development of the new compact series the key features focused on were high-performance compressed air supply requiring little space and providing easy access to parts to be serviced.



Design features and advantages of the RS-B series:

- 2-year full warranty
- Easily removable doors allow easy access to the individual components for maintenance.
- The right solution for all requirements: as a freestanding system, with attached refrigeration dryer and as a complete unit on air receiver in various sizes
- Intensive cooling combined with an effective oil-air cooler guarantees operational safety and excellent air quality
- Developed for industrial use – including continuous operation
- The use of standard components from German brand manufacturers guarantees a high quality standard and enables short reaction times in the event of faults.
- Compact compressor air ends without additional connecting pipes and elements. A separate oil separator receiver is not required.
- Compact design, therefore lower space requirement
- Control via RENNERlogic
- Optional extras:
RENNERtronic Touch / RENNERtronic Plus Touch electronic control



Encapsulated air end: no separate oil separator vessel and easy access for maintenance.



No lines and connecting elements are required due to the integrated oil thermo valve.



Easy belt tensioning: by adjusting the air end via an adjusting screw, the belt is tensioned and secured.



The RS-B is optionally available with an auxiliary pre-filter frame with filter mat to protect against dirt and RENNERtronic Touch or RENNERtronic Plus Touch.

RENNERtronic Touch



Smartphone-like operation:

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



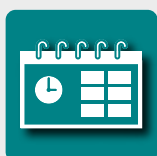
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer 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.



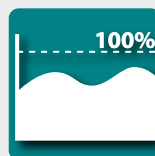
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



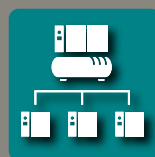
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.





Screw compressors

RS-B 2.2 – 11.0

RS-B 2.2 – 11.0

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	mm	kg
RS-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	716 x 536 x 540	124
RS-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	716 x 536 x 540	133
RS-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	716 x 536 x 540	133
RS-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	716 x 536 x 540	159
RS-B 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	776 x 556 x 597	189
RS-B 11.0	1.57	55	1.54	54	11.0	15.0	G½	81	776 x 556 x 597	207

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009



Screw compressors

RSK-B 2.2 – 11.0 with refrigeration dryer

RSK-B 2.2 – 11.0

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	mm	kg
RSK-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	971 x 545 x 705	160
RSK-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	971 x 545 x 705	169
RSK-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	971 x 545 x 705	169
RSK-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	971 x 545 x 705	195
RSK-B 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	1031 x 572 x 803	225
RSK-B 11.0	1.57	55	1.54	54	11.0	15.0	G½	81	1031 x 572 x 803	243

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Star-delta-starter for 2.2 kW compressors (from 5.5 kW inclusive)	26304
Star-delta-starter for 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Level actuated drain for refrigeration dryer (only for RSK)	05311
IE4 motors	on request



Screw compressors

RSD-B 2.2 – 11.0 on galvanized air receiver

air receivers according to AD2000 directives (from 250 ltr with hand hole)

RSD-B 2.2 – 11.0

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
RSD-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	90 ⁽³⁾	982 x 536 x 995	175
RSD-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	90 ⁽³⁾	982 x 536 x 995	184
RSD-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	90 ⁽³⁾	982 x 536 x 995	184
RSD-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	90 ⁽³⁾	982 x 536 x 995	210
RSD-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	2x90 ⁽³⁾	982 x 755 x 1076	220
RSD-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	2x90 ⁽³⁾	982 x 755 x 1076	229
RSD-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	2x90 ⁽³⁾	982 x 755 x 1076	229
RSD-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	2x90 ⁽³⁾	982 x 755 x 1076	255
RSD-B 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	2x90 ⁽³⁾	982 x 755 x 1148	285
RSD-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	250	1397 x 607 x 1130	210
RSD-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	250	1397 x 607 x 1130	219
RSD-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	250	1397 x 607 x 1130	219
RSD-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	250	1397 x 607 x 1130	245
RSD-B 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	250	1397 x 617 x 1202	275
RSD-B 11.0	1.57	55	1.54	54	11.0	15.0	G½	81	250	1397 x 617 x 1202	293

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ with certificate before start-up.

Options	Part no.
Star-delta-starter for 2.2 kW compressors (from 5.5 kW inclusive)	26304
Star-delta-starter for 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Galvanized 4x90 ltr air receiver (supplement on galvanized 2x90 ltr air receiver version)	25983
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90/4x90 ltr air receiver with level-controlled condensate drain	13274
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 15 mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4-Motor	on request



Screw compressors

RSDK-B 2.2 – 11.0 on galvanized air receiver, with refrigeration dryer

air receivers according to AD2000 directives (from 250 ltr with hand hole)

RSDK-B 2.2 – 11.0

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
RSDK-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	90 ⁽³⁾	1044 x 545 x 1175	211
RSDK-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	90 ⁽³⁾	1044 x 545 x 1175	220
RSDK-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	90 ⁽³⁾	1044 x 545 x 1175	220
RSDK-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	90 ⁽³⁾	1044 x 545 x 1175	246
RSDK-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	2x90 ⁽³⁾	982 x 755 x 1257	256
RSDK-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	2x90 ⁽³⁾	982 x 755 x 1257	265
RSDK-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	2x90 ⁽³⁾	982 x 755 x 1257	265
RSDK-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	2x90 ⁽³⁾	982 x 755 x 1257	291
RSDK-B 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	2x90 ⁽³⁾	1031 x 755 x 1339	321
RSDK-B 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	250	1397 x 607 x 1311	246
RSDK-B 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	250	1397 x 607 x 1311	255
RSDK-B 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	250	1397 x 607 x 1311	255
RSDK-B 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	250	1397 x 607 x 1311	281
RSDK-B 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	250	1397 x 617 x 1408	311
RSDK-B 11.0	1.57	55	1.54	54	11.0	15.0	G½	81	250	1397 x 617 x 1408	332

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

⁽³⁾ with certificate before start-up.

Options

Part no.

Star-delta-starter for 2.2 kW compressors (from 5.5 kW inclusive)	26304
Star-delta-starter for 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Galvanized 4x90 ltr air receiver (supplement on galvanized 2x90 ltr air receiver version)	25983
Galvanized 500 ltr air receiver (supplement on galvanized 250 ltr air receiver version)	17459
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Kit for 2x90/4x90 ltr air receiver with level-controlled condensate drain	13274
Level actuated drain for refrigeration dryer	05311
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 15 mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motors	on request



Screw compressors

RSD-B-ECN 2.2 – 11.0 on powder-coated ECN air receiver

RSDK-B-ECN 2.2 – 11.0 on powder-coated ECN air receiver, with refrigeration dryer

ECN air receivers with inspection opening 2" according to AD2000 directives

RSD-B-ECN 2.2 – 11.0 / RSDK-B-ECN 2.2 – 11.0

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
	m³/min	cfm	m³/min	cfm							
RSD-B-ECN 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	270	1490 x 536 x 1115	218
RSD-B-ECN 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	270	1490 x 536 x 1115	227
RSD-B-ECN 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	270	1490 x 536 x 1115	227
RSD-B-ECN 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	270	1490 x 536 x 1115	253
RSD-B-ECN 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	270	1490 x 556 x 1187	283
RSD-B-ECN 11.0	1.57	55	1.54	54	11.0	15.0	G½	81	270	1490 x 556 x 1187	301
RSDK-B-ECN 2.2	0.34	12	0.27	10	2.2	3.0	G½	66	270	1490 x 545 x 1296	254
RSDK-B-ECN 3.0	0.46	16	0.38	13	3.0	4.0	G½	70	270	1490 x 545 x 1296	263
RSDK-B-ECN 4.0	0.64	23	0.53	19	4.0	5.5	G½	70	270	1490 x 545 x 1296	263
RSDK-B-ECN 5.5	0.83	30	0.74	26	5.5	7.5	G½	75	270	1490 x 545 x 1296	289
RSDK-B-ECN 7.5	1.13	40	1.02	36	7.5	10.0	G½	78	270	1490 x 572 x 1393	319
RSDK-B-ECN 11.0	1.57	55	1.54	54	11.0	15.0	G½	81	270	1490 x 572 x 1393	340

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Star-delta-starter for 2.2 kW compressors (from 5.5 kW inclusive)	26304
Star-delta-starter for 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Powder-coated 500 ltr ECN air receiver (supplement on price of powder-coated 270 ltr ECN air receiver version)	21882
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Kit for 90/250/270/500 ltr air receiver with level-controlled condensate drain	03162
Level actuated drain for refrigeration dryer for RSDK-B-ECN	05311
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75 mm / height 40 mm)	15221
IE4 motors	on request



Screw compressors

RSD-B 2.2 – 11.0 ST on galvanized vertical air receiver

RSDK-B 2.2 – 11.0 ST on galvanized vertical air receiver, with refrigeration dryer

air receivers according to AD2000 directives (with hand hole)

RSD-B 2.2 – 11.0 ST / RSDK-B 2.2 – 11.0 ST

Model	Free air delivery ⁽¹⁾				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar		kW	HP	inch	dB(A) ⁽²⁾	ltr	mm	kg
	m³/min	cfm	m³/min	cfm							
RSD-B 2.2 ST	0.34	12	0.27	10	2.2	3.0	G½	66	270	767 x 800 x 1690	221
RSD-B 3.0 ST	0.46	16	0.38	13	3.0	4.0	G½	70	270	767 x 800 x 1690	230
RSD-B 4.0 ST	0.64	23	0.53	19	4.0	5.5	G½	70	270	767 x 800 x 1690	230
RSD-B 5.5 ST	0.83	30	0.74	26	5.5	7.5	G½	75	270	767 x 800 x 1690	256
RSD-B 7.5 ST	1.13	40	1.02	36	7.5	10.0	G½	78	270	816 x 800 x 1747	286
RSD-B 11.0 ST	1.57	55	1.54	54	11.0	15.0	G½	81	270	816 x 800 x 1747	304
RSDK-B 2.2 ST	0.34	12	0.27	10	2.2	3.0	G½	66	270	950 x 800 x 1695	256
RSDK-B 3.0 ST	0.46	16	0.38	13	3.0	4.0	G½	70	270	950 x 800 x 1695	266
RSDK-B 4.0 ST	0.64	23	0.53	19	4.0	5.5	G½	70	270	950 x 800 x 1695	266
RSDK-B 5.5 ST	0.83	30	0.74	26	5.5	7.5	G½	75	270	950 x 800 x 1695	293
RSDK-B 7.5 ST	1.13	40	1.02	36	7.5	10.0	G½	78	270	986 x 800 x 1760	325
RSDK-B 11.0 ST	1.57	55	1.54	54	11.0	15.0	G½	81	270	986 x 800 x 1760	359

⁽¹⁾ according to ISO 1217 Annex C

⁽²⁾ according to DIN EN ISO 2151:2009

Options	Part no.
Star-delta-starter for 2.2 kW compressors (from 5.5 kW inclusive)	26304
Star-delta-starter for 3.0 kW and 4.0 kW compressors (from 5.5 kW inclusive)	10866
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic Touch	22295
Electronic control RENNERtronic Plus Touch	22297
Level actuated drain for refrigeration dryer for RSDK-B	05311
Kit for air receiver with level-controlled condensate drain	05171
Metal bumper set for 270 ltr vertical air receiver (consisting of 3 pieces, each Ø 80 mm / height 20 mm)	05170
IE4 motors	on request

COMPRESSED AIR FOR ALL APPLICATIONS



RENNER GmbH Kompressoren, a family run business established in 1994, develops and assembles economical and energy-efficient compressors. A broad range of compressed air accessories are also part of the product portfolio. The structure and size of the company ensure flexible decisions and short lead times, thus providing optimal focus on the requirements of the customers.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- From 2.2 to 355 kW
- Up to 40 bar, e.g. for manufacture of PET bottles
- Compact systems with air receiver, refrigeration dryer, and variable speed control
- Heat exchanger integrated or as an external box
- Special applications: gas compression, operation of drilling devices, rail, and special-purpose vehicles
- Customized models designed to customer specifications

OIL-FREE COMPRESSORS:

- SCROLL compressors for oil-free compressed air from 1.5 to 30.0 kW
- Water-injected screw compressors for oil-free compressed air in breathing air quality from 18.5 to 120 kW



PISTON COMPRESSORS:

- From 1.5 to 11.0 kW
- Stationary or mobile, with or without sound insulation

CONTROL SYSTEMS:

- Compressor control systems
- Superordinate control systems
- State-of-the-art web server monitoring

Industry 4.0

COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

Your RENNER distributor:

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DIN EN ISO 9001
REG.-NR. Q1 0205013



COMPRESSED AIR
PUSHING YOU FORWARD

SCREW COMPRESSORS

RSDKM(F)-PRO 6.0 – 22.0



MOTOR POWER: 6.0 – 22.0 KW



RENNER
Kompressoren 

COMPRESSED AIR
PUSHING YOU FORWARD

RSDKM(F)-PRO 6.0 – 22.0

USE THE ADVANTAGES OF THIS MULTIPLE UNIT

■ Individually configurable

Any two compressors of the RS-PRO series in the power range from 3.0 to 11.0 kW can be combined with various options as a multiple unit as required.

■ Particularly compact

Thanks to a tandem construction, these compressors are particularly space-saving. In addition, the system can be moved quickly and easily with a forklift and set up in the smallest of spaces.

■ Particularly maintenance-friendly

Maintenance parts are easily accessible thanks to the sliding refrigeration dryer and removable doors.

■ Increased operational reliability

The second compressor secures a partial/basic supply in the event of an error or maintenance of a compressor.

■ Various controls

As an option, the compressors can be preprogrammed with a Base Load Change Over control using the individually configurable premium control RENNERtronic Plus Touch. The RENNERlogic and RENNERtronic Touch controls are alternatively available for simple applications.

■ Installation cost savings

Both compressors are connected to the air receiver and the refrigeration dryer by the manufacturer, so there is only one connection to the compressed air network.



RSDKM-PRO multiple unit with two configurable compressors of the RS-PRO series on galvanized 500 ltr air receiver, with refrigeration dryer RKT+ and electronic control RENNERtronic Touch.

RENNER GmbH Kompressoren

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RENNER screw compressors

RS-H: Single-stage compressors up to 20 bar



The RS-H series provides you with the quality you have come to expect from RENNER screw compressors, even up to a pressure of 20 bar! Air is compressed by a single-stage compressor unit ensuring that no additional pre-pressure compressor is required.



The RS-H series at a glance:

- 2-year full warranty
- Maintenance-friendly due to easily removable doors
- Intensive cooling combined with an effective aftercooler guarantees operational safety and excellent air quality
- Developed for industrial use – including continuous operation
- High-performance compact air end with integrated oil control valve
- Compact design, therefore lower space requirement
- The V-belts are tensioned using a pivoting motor base
- Single-stage compressor unit
- RENNERlogic controller
- Optional extras:
Electronic control RENNERtronic Touch / RENNERtronic Plus Touch

Variants available:

- RS-H: standard design
 RSK-H: refrigeration dryer
 RSF-H: variable speed control incl. RENNERtronic Touch
 RSKF-H: refrigeration dryer and variable speed control incl. RENNERtronic Touch

RENNER variable speed control

Wide fluctuations in compressed air demand cannot be avoided in many plants. RENNER screw compressors with variable speed control ensure that compressed air is generated economically. The compressor output is automatically adjusted to the actual compressed air demand via an infinitely variable speed control. This ensures that your compressor runs cost-efficiently. Frequency converter and control unit are built in the compressor system.

RENNERtronic Touch controls



Smartphone-like operation: Intuitively operable touchscreen on state-of-the-art technology.



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



Timer with six channels: This can be used to switch the four pressure bands, four potential-free relay contacts or the compressor.



Control of frequency converters: direct connection via RS485 bus interface, exchange of information in **plain text**.



USB port: Updates can be easily uploaded using a USB stick.



The Software of RENNERtronic Plus Touch is equipped with an extensive **Base Load Change Over:** control up to eight additional compressors



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

RENNER screw compressors

RS-H: Single-stage compressors up to 20 bar



RS-H / RSK-H / RSF-H / RSKF-H										
Modell	Free air delivery 18 bar m³/min / cfm		Free air delivery 20 bar m³/min / cfm		Motor power kW / HP		Compressed air outlet inch	Noise level dB(A) ⁽¹⁾	Dimensions L x W x H mm	Weight kg
RS-H 11,0	0.97	34.26	0.90	31.78	11.0	15.0	G¾	70	1137 x 662 x 1034	305
RS-H 15,0	1.32	46.62	1.25	44.14	15.0	20.0	G¾	70	1137 x 662 x 1034	319
RSK-H 11,0	0.97	34.26	0.90	31.78	11.0	15.0	G¾	70	1503 x 662 x 1034	335
RSK-H 15,0	1.32	46.62	1.25	44.14	15.0	20.0	G¾	70	1503 x 662 x 1034	369
⁽¹⁾ according to DIN EN ISO 2151:2009 All models come with a ball valve and power cable										
Options										
Phase rotation control										10867
Electronic control RENNERtronic										10869
Electronic control RENNERtronic Plus										00829
Accessories (refrigeration dryer, filter, air receiver etc.) for 18+20 bar										upon request
Modell	Free air delivery 18 bar m³/min / cfm		Free air delivery 20 bar m³/min / cfm		Motor power kW / HP		Compressed air outlet inch	Noise level dB(A) ⁽¹⁾	Dimensions L x W x H mm	Weight kg
RSF-H 11,0	0.29 – 0.97	10.28 – 34.26	0.27 – 0.90	9.54 – 31.78	11.0	15.0	G¾	66	1215 x 662 x 1034	320
RSF-H 15,0	0.40 – 1.32	13.98 – 46.62	0.38 – 1.25	13.24 – 44.14	15.0	20.0	G¾	66	1215 x 662 x 1034	335
RSKF-H 11,0	0.29 – 0.97	10.28 – 34.26	0.27 – 0.90	9.54 – 31.78	11.0	15.0	G¾	66	1581 x 662 x 1034	368
RSKF-H 15,0	0.40 – 1.32	13.98 – 46.62	0.38 – 1.25	13.24 – 44.14	15.0	20.0	G¾	66	1581 x 662 x 1034	385
⁽¹⁾ according to DIN EN ISO 2151:2009 All models come with a ball valve and power cable										
Options										Part no.
Electronic control RENNERtronic Plus										05591
Accessories (refrigeration dryer, filter, air receiver etc.) for 18+20 bar										upon request

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DIN EN ISO 9001
REG.-NR. Q1 0205013



Screw compressors

Booster RS-M / RS-MF



Made in
Germany



Pressure: 25 – 40 bar / Motor power: 18.5 – 45.0 kW



RENNER Booster screw compressors

The RS-M Booster is designed for industrial and economical compressed air generation. The machines are ideally suited for the use of low-pressure systems, where the existing mains pressure for special requirements is compressed to any desired final pressure up to a maximum of 40 bar by the integration of a RENNER booster. The booster screw compressors in PET bottle blow molding machines, where the high compressed air requirement of PET blow molding systems is covered in conjunction with an upstream screw compressor, gained the greatest importance.

The RENNER boosters have a compact design and are equipped with a large combi-cooler for low heating of the components and thus ensure a low compressed air outlet temperature. Thanks to the robust and service-friendly design, the intervals between maintenance are longer.

RENNER compressors: compact – robust – cost-effective

The side panels / maintenance doors are easily removable for easy access to all service parts. The self-adjusting Vbelt tensioner ensures optimum belt tension and therefore increases V-belt life. The body of the silencing canopy and its maintenance doors are powdercoated and the high-quality insulation material minimises noise levels.

The system operates automatically in full load/idling/intermittent mode. Switching intervals can be controlled and adjusted according to operational requirements. The system has multiple anti-vibration mountings to ensure exceptionally smooth operation. The unit can be mounted without a base.

Advantages

- suitable for continuous operation
- pulsation-free compressed air
- wear-resistant compressor air-end
- low maintenance costs
- compact design, small footprint
- low vibration, no base required
- low noise level
- optimum heat recovery options
- suitable for food-grade and biodegradable oils
- two-year full warranty
- ready to connect with 3 m electrical cable fitted free as standard along with operating manual for instant plug and play operation



RENNERtronic Touch



Smartphone-like operation:

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



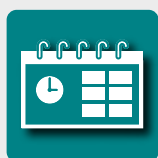
Events history:

The last 50 messages are displayed including date and time.



Pressure and temperature diagram:

Extensive statistics on pressure and temperature diagrams with hourly scaling.



Timer 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.



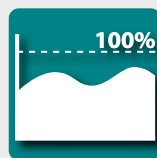
Replacing the control:

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 converters:

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

! RENNERtronic Plus Touch with additional functions

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.



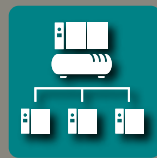
Timer with eight channels:

In addition to the above-mentioned functions, priorities for Base Load Change Over can also be assigned via the timer.



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.



Technical data

The RENNER booster increases the pressure at the 1st stage to 40 bar with a maximum flow rate of 10,5 m³/min (depending on the pre-pressure, motor power and other conditions).

Inlet pressure: 6 to 13 bar

Outlet pressure: 25 to 40 bar

Pressure rate (Outlet / Inlet): min. 2.5 / max. 6.0

Ambient temperature: 5 to 40°C

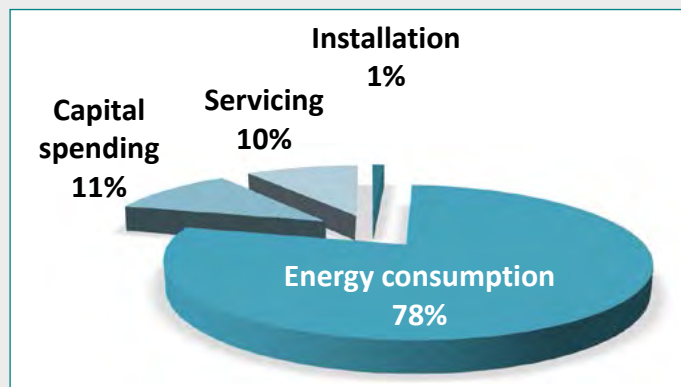
Speed: min. 1,500 / max. 4,500 rpm

Drive type: belt drive

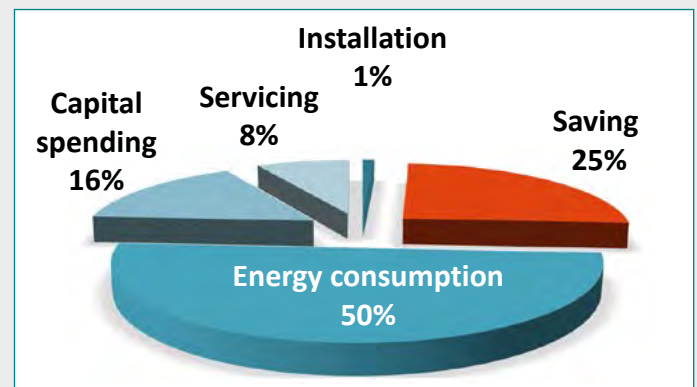
RENNER variable speed control

Major fluctuations in compressed air requirements cannot be avoided in many factories. RENNER screw compressors with variable speed control are based on the principle that compressed air can still be generated cost-effectively even if requirements vary. The compressor output is adjusted to meet the actual air demand using the infinitely variable electronic speed control, thus guaranteeing maximum possible levels of economy. The frequency converter complete with control unit is integrated in the unit and permanently installed.

Conventional compressor station:



Savings after 5 years:



RS-M / RS-MF 18.5 – 45.0

Model	Free air delivery ⁽¹⁾												Motor power		Noise level	Compressed air outlet	Dimensions L x W x H	Weight
	Pre-pressure:	7.5 bar				10 bar				13 bar								
	Final pressure:	25 bar		40 bar		25 bar		40 bar		25 bar	40 bar		kW	HP	dB(A) ⁽²⁾	inch	mm	kg
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm								
RS-M 18.5	4.2	148	–	–	5.6	198	–	–	–	3.1	109	18.5	25	71	G1¼	1810 x 1200 x 1835	1032	
RS-M 22.0	5.2	184	–	–	6.8	240	3.5	124	–	4.3	152	22.0	30	71	G1¼	1810 x 1200 x 1835	1062	
RS-M 30.0	7.6	268	4.1	145	9.4	332	5.5	194	–	6.8	240	30.0	40	74	G1¼	1810 x 1200 x 1835	1108	
RS-M 37.0	–	–	5.5	194	–	–	7.2	254	–	8.8	311	37.0	50	75	G1¼	1810 x 1200 x 1835	1130	
RS-M 45.0	–	–	7.2	254	–	–	9.1	321	–	10.5	371	45.0	60	76	G1¼	1810 x 1200 x 1835	1290	
RS-MF 18.5	–	–	–	–	2.2-5.6	78-198	–	–	–	–	–	18.5	25	71	G1¼	1810 x 1200 x 1835	1062	
RS-MF 22.0	2.0-5.2	70-184	–	–	2.2-6.8	78-240	3.0-3.5	106-124	–	3.0-4.3	106-152	22.0	30	71	G1¼	1810 x 1200 x 1835	1097	
RS-MF 30.0	2.0-7.6	70-268	3.0-4.1	106-145	2.2-9.4	78-332	3.0-5.5	106-194	–	3.0-6.8	106-240	30.0	40	74	G1¼	1810 x 1200 x 1835	1149	
RS-MF 37.0	–	–	3.0-5.5	106-194	–	–	3.0-7.2	106-254	–	3.2-8.8	113-311	37.0	50	75	G1¼	1810 x 1200 x 1835	1172	
RS-MF 45.0	–	–	3.0-7.2	106-254	–	–	3.0-9.1	106-321	–	3.2-10.5	116-371	45.0	60	76	G1¼	1810 x 1200 x 1835	1389	

⁽¹⁾ RS-M according to ISO 1217 Annex C / RS-MF according to ISO 1217 Annex E

Reference conditions: final pressure 40 bar; inlet temperature 30°C; reference state: 1013 mbar, 20°C. In order to select the right model, and to determine reference conditions, please contact your responsible area sales director. Other final pressures on request. Please note that the inlet concentration in the booster must be in accordance with ISO 8573-1 (2/4/2).

Options

Electronic control RENNERtronic Plus Touch

Part no.

23836

COMPRESSED AIR FOR ALL APPLICATIONS



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- From 1.5 to 11.0 kW
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CONTROL SYSTEMS:

- Compressor control systems
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- State-of-the-art web server monitoring

Industry 4.0

COMPRESSED AIR ACCESSORIES:

- Air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains, and oil-water-separators

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