

COMPRESSED AIR
PUSHING YOU FORWARD

SCROLL- COMPRESSORS



MOTOR POWER: 2.2 - 30.0 KW

 **MADE IN
GERMANY**

RENNER
Kompressoren 

oil-free
Made in Germany 

YOUR SPECIALIST FOR COMPRESSED AIR

As a medium-sized family business with modern development and manufacturing facilities and over 230 highly qualified employees, RENNER Kompressoren has been a benchmark for quality and customer satisfaction for more than 30 years.

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

RENNER PORTFOLIO

Our compressed air systems are efficient and reliable. Especially with screw compressors with variable speed control, up to 35% energy costs can be saved here. Our compressed air range includes oil- and water-injected screw compressors, piston compressors, oil-free SCROLL compressors and systems with variable speed control or direct drive in the power range from 1.5 to 355 kW. We have more than 6,000 compressor models on range, which can be customized from the level of pressure to energy consumption. Accessories for compressed air complete the portfolio.

OUR SERVICE FOR YOU

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



COMPACT, POWERFUL AND ROBUST COMPRESSORS FROM RENNER

RENNER's scroll compressors deliver 100% oil-free compressed air and are ideal for demanding applications in the food, electronics and pharmaceutical industries. They minimise the risk of oil contamination and are characterised by high reliability and low operating and maintenance costs. The power range extends from 2.2 to 30.0 kW at a final pressure of 8 or 10 bar.

The oil-free scroll compression uses two spiral-shaped elements, one of which is moved eccentrically. The air is compressed continuously from the outside to the inside, resulting in a low-pulsation compressed air flow. Compression is clean, efficient and quiet without lubricating oil, ideal for applications with high cleanliness requirements.

The multiple systems with two, three or four independently operating drive units are ideal for applications with fluctuating compressed air consumption or when reserve capacity is required. The integrated base load change function in the RENNERtronic Plus Touch control unit optimises the use of the individual drive units.



DESIGN FEATURES AND ADVANTAGES OF THE SL-NEO SERIES

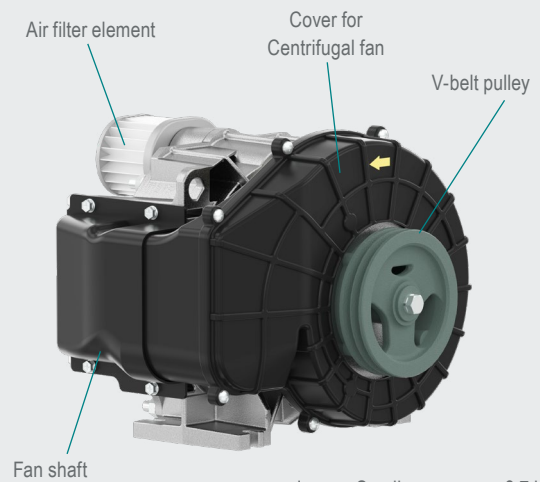


Image: Scroll compressor 3.7 kW

- Easily removable doors allow easy access to the individual components for maintenance.
- The right solution for every case: available as a basic machine, with an attached refrigeration dryer or as a complete unit.
- Intensive cooling in conjunction with an effective aftercooler guarantees operational reliability and good compressed air quality.
- Standardised components from brand manufacturers guarantee a high quality standard and enable short response times in the event of faults.
- The motor, compressor stage and compressor housing are mounted on anti-vibration mounts. This ensures low-noise and low-vibration installation - even in operating rooms.
- Control: ON/OFF switch as standard, optional RENNERtronic Touch 4.3 inch display or RENNERtronic Plus Touch 7 inch display.

SCROLL COMPRESSORS

SL-NEO I/S SERIES 2.2 - 7.5 KW



OIL-FREE
BELT-DRIVEN
AIR-COOLED

The air-cooled SCROLLline compressors offer an economical solution for all applications that require oil-free compressed air. They are V-belt driven, suitable for both short-term and continuous operation and impress with their compact design, smooth running and reliability.

SUPERSILENT (S)

The SL-NEO S models are fitted with a sound insulation box. This reduces the noise level by ~ 12 dB(A) compared to the INDUSTRY models.

MOTOR-ROCKER

Optimised power transmission and quiet operation. The service orientated V-belt tensioning can therefore be carried out quickly and easily.

ELECTRIC MOTOR

Highly efficient IE-3 motor in grey cast housing with guided cooling air flow for reliable operation and a long service durability.

SCROLL COMPRESSOR

Energy-efficient, oil-free compressor with integrated passive radial fan element ensures reliability and high delivery quantities during operation.

CONTROL

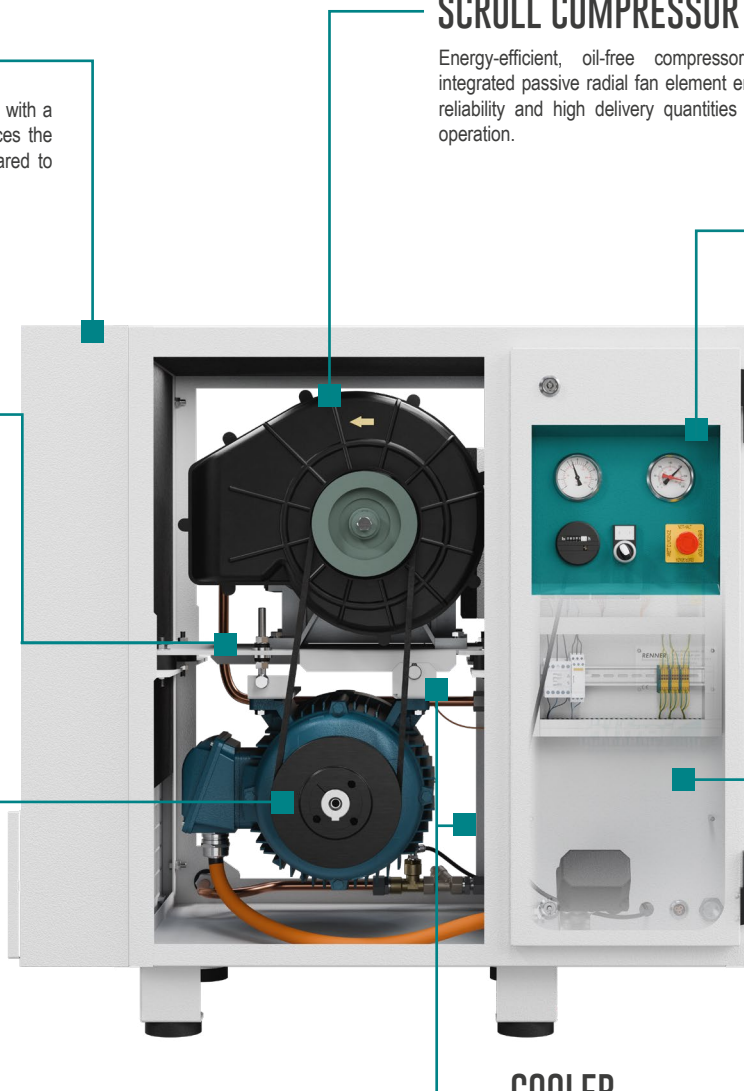
Solid control unit with pressure and temperature display, hour meter, selector switch on/off and emergency stop button as standard. The RENNERtronic Touch and RENNERtronic Plus Touch controls with base load change over function are optionally available for greater operating convenience.

ELECTRIC BOX

Conveniently and accessibly located and thermally separated electrical components. Pressure switch or pressure sensor userfriendly positioned.

COOLER

First-class heat transfer through aluminium radiators and stainless steel tubes, whose toughness and strength reinforce the reliability.



FIRST CHOICE FOR THE PRODUCTION OF CLEAN AND OIL-FREE COMPRESSED AIR

APPLICATION AREAS

- Food production: *processing and packaging*
- Pharmaceutical industry: *production of pharmaceuticals*
- Medical technology: *device construction and diagnostic technology*
- Surface technology: *Coating and finishing*
- Printing industry: *Prepress and finishing*
- Industrial gases: *nitrogen and oxygen production*
- Research & development: *Laboratory technology and prototyping*



HIGHLIGHTS OF THE SERIES

EXECUTION INDUSTRY

Standard (SL-NEO I):

This model is the most compact scroll compressor version with a small footprint of just 835 x 595 mm. Very space-saving installation on only 0.5 m².

SUPERSILENT DESIGN

Soundproof (SL-NEO S):

Significantly quieter scroll compressor model. The SUPERSILENT models with additional sound insulation box and insulation mats reduce noise by 11-13 dB(A) and only affect the length dimension by 140 mm.

AIR RECEIVER

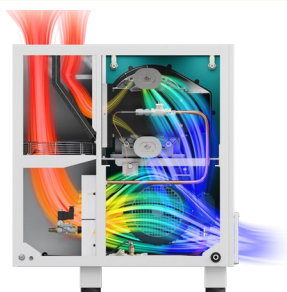
Galvanised or powder-coated, available in various volumes. 90, 2x90 and 4x90 litres galvanised; from 250 litres galvanised with hand hole or powder-coated with visible opening. According to AD2000 guidelines.

DETAILS OF THE SERIES



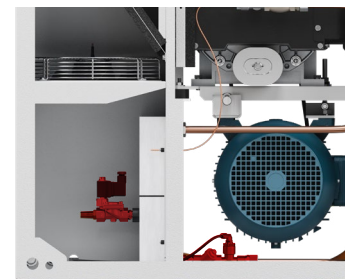
MODULAR SYSTEM

The illustration shows the SLDK-NEO S (SUPERSILENT) model with 250 litre air receiver and attached RKT-1A refrigeration dryer with R513A refrigerant, including the optional prefilter grille and filter mat.



COOLING AIR FLOW

Targeted cooling air flow through the compressor interior for high operational reliability and a long service life for the compressor and electric motor.



START-UP RELIEF

For 1-phase models and from 5.5 kW with star delta connection as standard. This reduces the starting current to approx. 1/3 compared to direct starting.

TECHNICAL DATA SERIES SL-NEO I/S

2.2 - 7.5 KW

AD2000
Guideline

R513A
Refrigerant



Compressed air outlet

Inch

G 1/2

Motor power kW	Model		Delivery quantity l/min ⁽¹⁾		Noise level dB(A) ⁽²⁾			
	Industry	Supersilent	8 bar	10 bar	Industry		Supersilent	
					8 bar	10 bar	8 bar	10 bar
2.2	SL(D)(K)-NEO 2- 2,2 I	SL(D)(K)-NEO 2- 2,2 S	265	210	66	65	53	52
3.7	SL(D)(K)-NEO 2- 3,7 I	SL(D)(K)-NEO 2- 3,7 S	454	381	67	68	54	54
4.5	SL(D)(K)-NEO 4,5 I	SL(D)(K)-NEO 4,5 S	-	411	-	67	-	54
5.5	SL(D)(K)-NEO 5,5 I	SL(D)(K)-NEO 5,5 S	627	520	68	67	59	57
7.5	SL(D)(K)-NEO 7,5 I	SL(D)(K)-NEO 7,5 S	890	755	69	68	63	61

⁽¹⁾ according to ISO 1217 Annex C. ⁽²⁾ according to standard DIN EN ISO 2151:2009 ⁽³⁾ with certificate before commissioning. ZÜS-free. only in Germany ⁽⁴⁾ air receivers according to AD2000 guidelines (from 250 litres with hand hole) ⁽⁵⁾ ECN air receivers according to AD2000 guidelines (with 2 inch sight opening) ⁽⁶⁾ low gwp

EXECUTIONS

Drive system

Motor 230V / 1 phase (only for 2.2 kW)

Air receiver

90 litres⁽³⁾, galvanised (only for 2.2 kW)

2x90 litres⁽³⁾, galvanised

4x90 litres⁽⁴⁾, galvanised

250 litres⁽⁴⁾, galvanised

500 litres⁽⁴⁾, galvanised

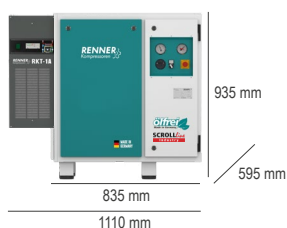
270 litres⁽⁵⁾, powder-coated

Compressed Air Treatment

Refrigeration dryer with time-controlled condensate drain

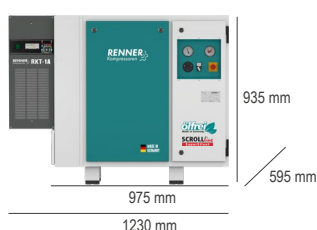
INDUSTRY SLK-NEO I

Version
with refrigeration
dryer



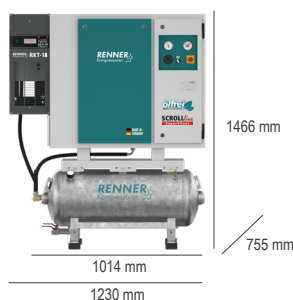
SUPERSILENT SLK-NEO S

Version
with refrigeration
dryer



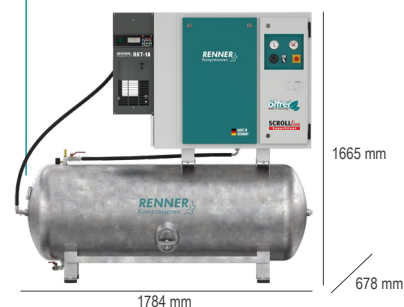
SUPERSILENT SLDK-NEO S

Version
with refrigeration dryer
and 2x90l air receiver



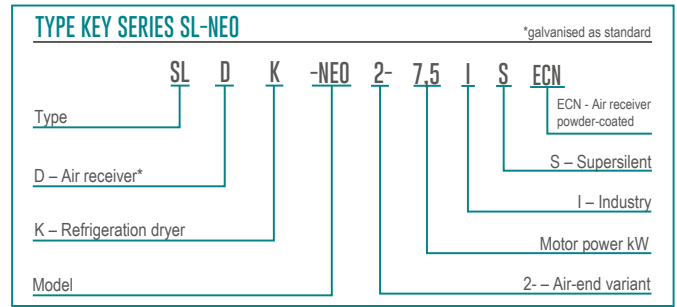
SUPERSILENT SLDK-NEO S

Version
with refrigeration dryer
and 500l air receiver



STANDARD EQUIPMENT

- ON/OFF switch, pressure and temperature display, operating hours counter
- Motor efficiency class: IE 3
- Emergency stop button
- Supply cable 5 m stripped with sleeves
- Manual ball valve
- Refrigeration dryer variant incl. time-controlled condensate drain (pressure dew point +3°C)
- Metal buffer set



OPTIONS

Control system
RENNERtronic Touch
RENNERtronic Plus Touch
Drive system
Star-delta connection
Direction of rotation monitoring via phase sequence relay
Air flow (chart)
Filter grille incl. filter mat

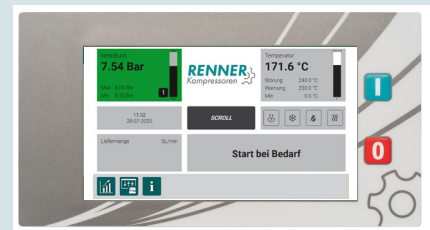
Air receiver
Tank drainage attachment kit incl. levelcontrolled condensate drain
Refrigeration dryer
Level-controlled condensate drain

CONTROLS FOR MORE COMFORT

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

RENNERtronic Plus Touch Comfort and function extension

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



RENNERtronic Plus Touch

ACCESSORIES

Compressed Air Management Systems

Higher-level control systems for a demand-led compressed air supply with RENNERconnect or RENNERconnect Easy.

Compressed Air Treatment

For clean compressed air, our filters and refrigerant dryers for high compressed air quality are available as accessories at.

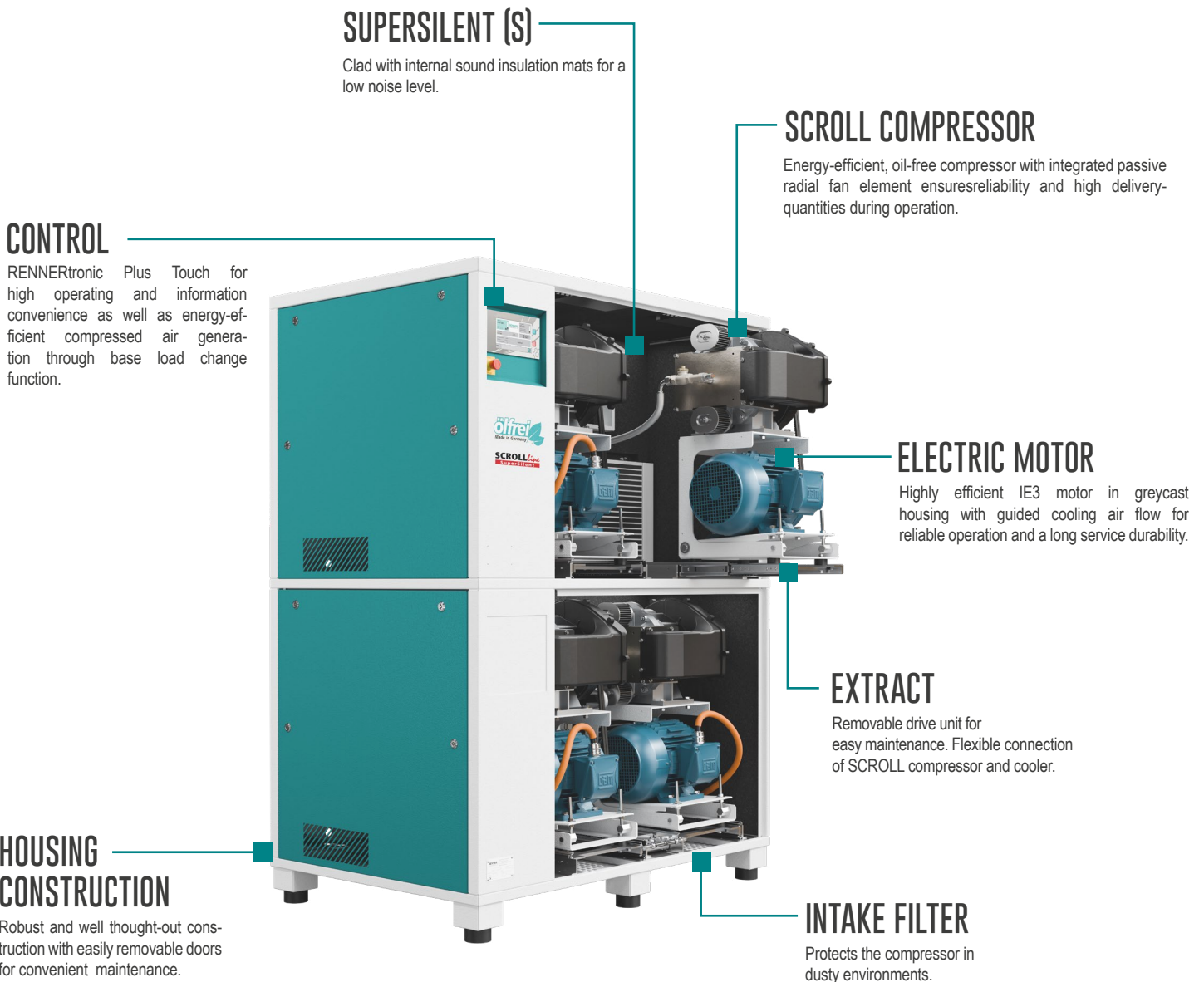
SCROLL COMPRESSORS

SLM-S SERIES 7.5 - 30.0 KW



OIL-FREE
BELT-DRIVEN
AIR-COOLED

The multiple system with two, three or four independently operating drive units is ideal for applications with fluctuating compressed air consumption or when reserve capacity is required. Dryers and filters are available to improve the compressed air quality in accordance with ISO.



PROVEN FOR THE UNIVERSAL USE OF CLEAN AND OIL-FREE COMPRESSED AIR

APPLICATION AREAS

- Food production: *processing and packaging*
- Pharmaceutical industry: *production of pharmaceuticals*
- Medical technology: *device construction and diagnostic technology*
- Surface technology: *Coating and finishing*
- Printing industry: *Prepress and finishing*
- Industrial gases: *nitrogen and oxygen production*
- Research & development: *Laboratory technology and prototyping*



HIGHLIGHTS OF THE SERIES

SUPERSILENT

Fully lined housing with sound insulation mats including maintenance doors and fitted vibration dampers. This ensures a significant reduction in noise and increases the longevity of the individual components.

REDUNDANCY

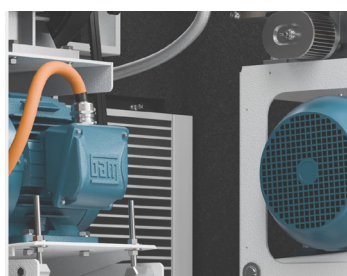
Modular and flexible, for fluctuating compressed air requirements or as a reserve. Two to four drive units in one housing are automatically requested as required via the convenient RENNERtronic Plus Touch control unit.

DETAILS OF THE SERIES



TWO HOUSING SIZES

The SLM-S series (scroll multiple units) is equipped with two, three or four independent drive units, depending on the kW. The model with two drive units is available with a 500 litre air receiver, galvanised.



COOLING

First-class heat transfer thanks to a large aluminium cooler whose efficiency and robustness guarantee maximum reliability and outstanding compressed air quality - perfectly complemented by a powerful fan.



RENNER TRONIC PLUS TOUCH

The multiple units are equipped with the RENNERtronic Plus Touch control system. The intuitive 7-inch operating touch control offers a high level of information convenience and combines sophistication with intuitive operation.

TECHNICAL DATA SERIES SLM-S

7.5 - 30.0 KW



AD2000
Guideline

⁴R513A
Refrigerant

Compressed air outlet

Inch

G 1/2

Motor power kW	Model	Delivery quantity l/min ⁽¹⁾		Noise level dB(A) ⁽²⁾	
		8 bar	10 bar	8 bar	10 bar
7.5 (2 x 3.7)	SL(D)(K)M-S	820	740	58	58
9.0 (2 x 4.5)	SL(D)(K)M-S	-	822	-	59
11.0 (2 x 5.5)	SL(D)(K)M-S	1254	1040	61	60
13.5 (3 x 4.5)	SL(K)M-S	-	1215	-	62
15.0 (2 x 7.5)	SL(D)M-S	1780	1510	65	64
16.5 (3 x 5.5)	SL(K)M-S	1880	1560	65	64
22.0 (4 x 5.5)	SL(K)M-S	2510	2080	66	65
22.5 (3 x 7.5)	SLM-S	2670	2265	68	67
30.0 (4 x 7.5)	SLM-S	3560	3020	71	70

⁽¹⁾ according to ISO 1217 Annex C ⁽²⁾ according to standard DIN EN ISO 2151:2009 ⁽³⁾ air receivers according to AD2000 guidelines (from 250 litres with hand hole) ⁽⁴⁾ low gwp

EXECUTIONS

Air receiver

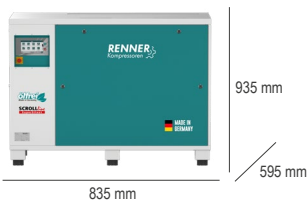
500 litres⁽³⁾, galvanised (only up to 15kw)

Compressed Air Treatment

Refrigeration dryer with level-controlled condensate drain

SUPERSILENT SLM-S

Housing at
two drive units



SUPERSILENT SLM-S

Version
with 500 litre air receiver



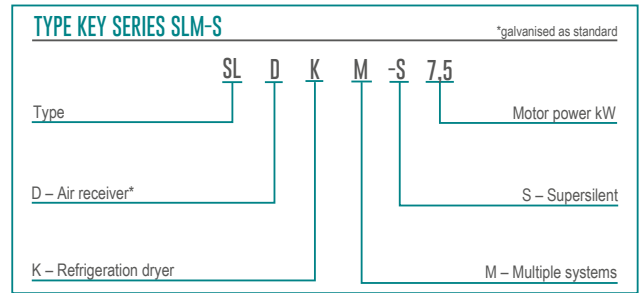
SUPERSILENT SLM-S

Housing at
three to four drive units



STANDARD EQUIPMENT

- RENNERtronic Plus Touch
- Emergency stop button
- Manual ball valve
- Supply cable 5m stripped with sleeves
- Refrigeration dryer variant incl. level-controlled condensate drain (pressure dew point +3°C)
- Direction of rotation monitoring via phase sequence relay
- Metal buffer set



OPTIONS

Drive system

Star-delta connection

Direction of rotation monitoring via phase sequence relay

Air flow (chart)

Filter grille incl. filter mat

Air receiver

Tank drainage attachment kit incl. levelcontrolled Condensate drain

ACCESSORIES

Compressed Air Management Systems

Higher-level control systems for a demand-led compressed air supply with RENNERconnect or RENNERconnect Easy.

Compressed Air Treatment

For clean compressed air, our filters and refrigerant dryers for high compressed air quality are available as accessories at.

COMPRESSED AIR PUSHING YOU FORWARD

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



THE RENNER PRODUCT PORTFOLIO

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



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