

1994 - 2014

20 Jahre
Druckluft, die bewegt!

RENNER
Kompressoren 

100% oil-free compressed air in its purest form

RENNER **SCROLL***line* Compressors



Made in
Germany

oil-free
Made in Germany 

 **bcas**
Member



Motor size: 1.5 to 22.0 kW



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 an 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 functional guarantee 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 RENNER's **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 switch of the RENNERtronic Plus control 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.

SCROLLline Industry



SL-I



SLDK-I

SCROLLline SuperSilent



SL-S



SLM-S

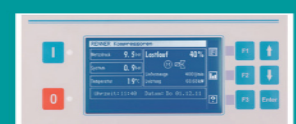
Advantages of the RENNERtronic

- Controls and monitors the units
- Display
 - the mains pressure within easily changeable pressure limits
 - the compressor temperature
 - faults/ fault message storage
 - maintenance intervals

Advantages of the RENNERtronic Plus

- Easier operation due to a larger display
- Additionally equipped with a timer and improved BLCO
- 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.





SCROLL compressors

SCROLL*line*
Industry

SL-I 1,5 – 5,5

SLD-I 1,5 – 5,5 on galvanized compressed air receiver
according to AD2000 directives (from 250l with hand-hole)

SL-I 1,5 – 5,5 / SLD-I 1,5 – 5,5

Modell	Free air delivery m ³ /min / cfm		Motor power		Compressed air outlet BSP	Noise level dB(A) ⁽¹⁾		Air receiver litres	Dimensions L x W x H mm	Weight kg
	8 bar	10 bar	kW	HP		8 bar	10 bar			
SL-I 1,5 ⁽²⁾	0.16 / 5.5	–	1.5	2.0	G½	65	–	–	760 x 550 x 920	87
SL-I 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	67	65	–	760 x 550 x 920	90
SL-I 3,7	0.40 / 14	–	3.7	5.0	G½	68	–	–	760 x 550 x 920	115
SL-I 4,5	–	0.40 / 14	4.5	6.0	G½	–	68	–	760 x 550 x 920	130
SL-I 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	69	67	–	760 x 550 x 920	130
SLD-I 1,5 ⁽²⁾	0.16 / 5.5	–	1.5	2.0	G½	65	–	90	980 x 550 x 1400	130
SLD-I 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	67	65	90	980 x 550 x 1400	133
SLD-I 1,5 ⁽²⁾	0.16 / 5.5	–	1.5	2.0	G½	65	–	250	1410 x 570 x 1550	172
SLD-I 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	67	65	250	1410 x 570 x 1550	175
SLD-I 3,7	0.40 / 14	–	3.7	5.0	G½	68	–	250	1410 x 570 x 1550	200
SLD-I 4,5	–	0.40 / 14	4.5	6.0	G½	–	68	250	1410 x 570 x 1550	215
SLD-I 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	69	67	250	1410 x 570 x 1550	215

⁽¹⁾ as per DIN EN ISO 2151:2009

⁽²⁾ Electric connection: 230 V / 50 Hz / single phase; option: 400 V / 50 Hz / 3 phase

Options	Part no.
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
Phase rotation control	10867
Star-delta starter 3,7 kW – 4,5 kW	02191
Galvanized 500 litres air receiver	10871
Accessory kit for level-controlled condensate drain for air receiver	03162
Level-controlled condensate drain for refrigeration dryer	05311
Set of prefilter frame incl. filter mats	15217
External air intake	–



SCROLL compressors

SCROLLline
Industry

SLK-I 1,5 – 5,5 with refrigeration dryer
SLDK-I 1,5 – 5,5 on galvanized compressed air receiver according
to AD2000 directives (from 250l with hand-hole) and refrigeration dryer

SLK-I 1,5 – 5,5 / SLDK-I 1,5 – 5,5

Modell	Free air delivery m³/min / cfm		Motor power		Compressed air outlet BSP	Noise level dB(A) ⁽¹⁾		Air receiver litres	Dimensions L x W x H mm	Weight kg
	8 bar	10 bar	kW	HP		8 bar	10 bar			
SLK-I 1,5 ⁽²⁾	0.16 / 5.5	—	1.5	2.0	G½	65	—	—	1015 x 550 x 920	117
SLK-I 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	67	65	—	1015 x 550 x 920	120
SLK-I 3,7	0.40 / 14	—	3.7	5.0	G½	68	—	—	1015 x 550 x 920	145
SLK-I 4,5	—	0.40 / 14	4.5	6.0	G½	—	68	—	1015 x 550 x 920	160
SLK-I 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	69	67	—	1015 x 550 x 920	160
SLDK-I 1,5 ⁽²⁾	0.16 / 5.5	—	1.5	2.0	G½	65	—	90	1051 x 550 x 1400	152
SLDK-I 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	67	65	90	1051 x 550 x 1400	154
SLDK-I 1,5 ⁽²⁾	0.16 / 5.5	—	1.5	2.0	G½	65	—	250	1410 x 570 x 1550	197
SLDK-I 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	67	65	250	1410 x 570 x 1550	200
SLDK-I 3,7	0.40 / 14	—	3.7	5.0	G½	68	—	250	1410 x 570 x 1550	225
SLDK-I 4,5	—	0.40 / 14	4.5	6.0	G½	—	68	250	1410 x 570 x 1550	240
SLDK-I 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	69	67	250	1410 x 570 x 1550	240

⁽¹⁾ as per DIN EN ISO 2151:2009

⁽²⁾ Electric connection: 230 V / 50 Hz / single phase; option: 400 V / 50 Hz / 3 phase

Options	Part no.
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
Phase rotation control	10867
Star-delta starter 3,7 kW – 4,5 kW	02191
Galvanized 500 litres air receiver	10871
Accessory kit for level-controlled condensate drain for air receiver	03162
Level-controlled condensate drain for refrigeration dryer	05311
Set of prefilter frame incl. filter mats	15068
External air intake	—



SCROLL compressors

SCROLLline
SuperSilent

SL-S 1,5 – 5,5

SLD-S 1,5 – 5,5 on galvanized compressed air receiver
according to AD2000 directives (from 250l with hand-hole)

SL-S 1,5 – 5,5 / SLD-S 1,5 – 5,5

Modell	Free air delivery m ³ /min / cfm		Motor power		Compressed air outlet BSP	Noise level dB(A) ⁽¹⁾		Air receiver litres	Dimensions L x W x H mm	Weight kg
	8 bar	10 bar	kW	HP		8 bar	10 bar			
SL-S 1,5 ⁽²⁾	0.16 / 5.5	–	1.5	2.0	G½	52	–	–	910 x 550 x 920	107
SL-S 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	55	53	–	910 x 550 x 920	110
SL-S 3,7	0.40 / 14	–	3.7	5.0	G½	54	–	–	910 x 550 x 920	135
SL-S 4,5	–	0.40 / 14	4.5	6.0	G½	–	54	–	910 x 550 x 920	150
SL-S 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	59	57	–	910 x 550 x 920	150
SLD-S 1,5 ⁽²⁾	0.16 / 5.5	–	1.5	2.0	G½	52	–	90	980 x 550 x 1390	150
SLD-S 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	55	53	90	980 x 550 x 1390	153
SLD-S 1,5 ⁽²⁾	0.16 / 5.5	–	1.5	2.0	G½	52	–	250	1410 x 570 x 1550	192
SLD-S 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	55	53	250	1410 x 570 x 1550	195
SLD-S 3,7	0.40 / 14	–	3.7	5.0	G½	54	–	250	1410 x 570 x 1550	220
SLD-S 4,5	–	0.40 / 14	4.5	6.0	G½	–	54	250	1410 x 570 x 1550	235
SLD-S 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	59	57	250	1410 x 570 x 1550	235

⁽¹⁾ as per DIN EN ISO 2151:2009

⁽²⁾ Electric connection: 230 V / 50 Hz / single phase; option: 400 V / 50 Hz / 3 phase

Options	Part no.
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
SCROLLline SuperSilent 2.2 kW with 230 V single phase motor	05588
Phase rotation control	10867
Star-delta starter 3,7 kW – 4,5 kW	02191
Galvanized 500 litres air receiver	10871
Accessory kit for level-controlled condensate drain for air receiver	03162
Level-controlled condensate drain for refrigeration dryer	05311
Set of prefilter frame incl. filter mats	03152
External air intake	–



SCROLL compressors

SCROLLline
SuperSilent

SLK-S 1,5 – 5,5 with refrigeration dryer
SLDK-S 1,5 – 5,5 on galvanized compressed air receiver
according to AD2000 directives (from 250l with hand-hole)
and refrigeration dryer

SLK-S 1,5 – 5,5 / SLDK-S 1,5 – 5,5

Modell	Free air delivery m³/min / cfm		Motor power		Compressed air outlet BSP	Noise level dB(A) ⁽¹⁾		Air receiver litres	Dimensions L x W x H mm	Weight kg
	8 bar	10 bar	kW	HP		8 bar	10 bar			
SLK-S 1,5 ⁽²⁾	0.16 / 5.5	—	1.5	2.0	G½	52	—	—	1165 x 550 x 920	137
SLK-S 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	55	53	—	1165 x 550 x 920	140
SLK-S 3,7	0.40 / 14	—	3.7	5.0	G½	54	—	—	1165 x 550 x 920	165
SLK-S 4,5	—	0.40 / 14	4.5	6.0	G½	—	54	—	1165 x 550 x 920	180
SLK-S 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	59	57	—	1165 x 550 x 920	180
SLDK-S 1,5 ⁽²⁾	0.16 / 5.5	—	1.5	2.0	G½	52	—	90	1224 x 550 x 1390	172
SLDK-S 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	55	53	90	1224 x 550 x 1390	174
SLDK-S 1,5 ⁽²⁾	0.16 / 5.5	—	1.5	2.0	G½	52	—	250	1410 x 570 x 1550	217
SLDK-S 2,2	0.24 / 8.5	0.20 / 7	2.2	3.0	G½	55	53	250	1410 x 570 x 1550	220
SLDK-S 3,7	0.40 / 14	—	3.7	5.0	G½	54	—	250	1410 x 570 x 1550	245
SLDK-S 4,5	—	0.40 / 14	4.5	6.0	G½	—	54	250	1410 x 570 x 1550	260
SLDK-S 5,5	0.63 / 22	0.52 / 18	5.5	7.5	G½	59	57	250	1410 x 570 x 1550	260

⁽¹⁾ as per DIN EN ISO 2151:2009

⁽²⁾ Electric connection: 230 V / 50 Hz / single phase; option: 400 V / 50 Hz / 3 phase

Options	Part no.
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
SCROLLline SuperSilent 2.2 kW with 230 V single phase motor	05588
Phase rotation control	10867
Star-delta starter 3,7 kW – 4,5 kW	02191
Galvanized 500 litres air receiver	10871
Accessory kit for level-controlled condensate drain for air receiver	03162
Level-controlled condensate drain for refrigeration dryer	05311
Set of prefilter frame incl. filter mats	03152
External air intake	—



SCROLL compressors

SCROLLline
SuperSilent

SLM-S 7,5 – 22,0 multiple compressor system

SLKM-S 7,5 – 22,0 multiple compressor system with integrated refrigeration dryer

SLDM-S 7,5 – 11,0 multiple compressor system on air receiver

SLDKM-S 7,5 – 11,0 multiple compressor system on air receiver with integrated refrigeration dryer. Always with electronic control RENNERtronic Plus, air receiver according to AD2000 directives

SLM-S 7,5 – 22,0 / SLDM-S 7,5 – 11,0 / SLKM-S 7,5 – 22,0 / SLDKM-S 7,5 – 11,0

Modell	Free air delivery m ³ /min / cfm		Motor power		Compressed air outlet BSP	Noise level dB(A) ⁽¹⁾		Air receiver litres	Dimensions L x W x H mm	Weight kg
	8 bar	10 bar	kW	HP		8 bar	10 bar			
SLM-S 7,5	0.79 / 28	–	7.5	10.0	G1	58	–	–	1400 x 920 x 1020	320
SLM-S 9,0	–	0.81 / 28	9.0	12.0	G1	–	59	–	1400 x 920 x 1020	350
SLM-S 11,0	1.25 / 44	1.04 / 37	11.0	15.0	G1	61	60	–	1400 x 920 x 1020	350
SLM-S 13,5	–	1.21 / 43	13.5	18.0	G1	–	62	–	1400 x 920 x 1890	525
SLM-S 16,5	1.88 / 66	1.56 / 55	16.5	22.0	G1	64	63	–	1400 x 920 x 1890	525
SLM-S 22,0	2.51 / 89	2.08 / 74	22.0	30.0	G1	66	65	–	1400 x 920 x 1890	700
SLKM-S 7,5	0.79 / 28	–	7.5	10.0	G1	58	–	–	1400 x 920 x 1020	351
SLKM-S 9,0	–	0.81 / 28	9.0	12.0	G1	–	59	–	1400 x 920 x 1020	381
SLKM-S 11,0	1.25 / 44	1.04 / 37	11.0	15.0	G1	61	60	–	1400 x 920 x 1020	392
SLKM-S 13,5	–	1.21 / 43	13.5	18.0	G1	–	62	–	1400 x 920 x 1890	597
SLKM-S 16,5	1.88 / 66	1.56 / 55	16.5	22.0	G1	64	63	–	1400 x 920 x 1890	597
SLKM-S 22,0	2.51 / 89	2.08 / 74	22.0	30.0	G1	65	65	–	1400 x 920 x 1890	784
SLDM-S 7,5	0.79 / 28	–	7.5	10.0	G1	58	–	500	1670 x 920 x 1811	530
SLDM-S 9,0	–	0.81 / 28	9.0	12.0	G1	–	59	500	1670 x 920 x 1811	560
SLDM-S 11,0	1.25 / 44	1.04 / 37	11.0	15.0	G1	61	60	500	1670 x 920 x 1811	560
SLDKM-S 7,5	0.79 / 28	–	7.5	10.0	G1	58	–	500	1670 x 920 x 1811	571
SLDKM-S 9,0	–	0.81 / 28	9.0	12.0	G1	–	59	500	1670 x 920 x 1811	591
SLDKM-S 11,0	1.25 / 44	1.04 / 37	11.0	15.0	G1	61	60	500	1670 x 920 x 1811	602

⁽¹⁾ as per DIN EN ISO 2151:2009

Standard equipment:

Base load change over operation by RENNERtronic Plus

Loss free automatic condensate drain (only for SLDKM-S)

Phase rotation control

Options:

Filter mats for lower pre-filter-frame for all models; pack of ten

External air suction

Part no.

06464

–

Technical changes reserved

Energy efficient

Our SLM/SLM-S compressors are compatible with all your critical applications where efficiency and flexibility play a major role. Unnecessary energy consumption is avoided as only the units that you really need to have running are on. The compressors do not require any warm-up or run-on time.

Easy maintenance and service

Each component is easily accessible. In the SLM-S series, the individual units are mounted on telescopic rails and can be easily pulled out from the housing for inspection and maintenance work. This saves on costs and raises customer satisfaction.

RENNER – THE SPECIALIST IN COMPRESSORS



Set up in 1994, this family run company employs a highly motivated and successful team specialising in the development and production of economic compressor systems. The structure and size of the company guarantees flexible decision-making and quick realisation, thereby ensuring optimal alignment of new developments to the needs of the market.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

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

SCREW COMPRESSORS:

- from 3.0 – 355.0 kW, also for oil-free compressed air of breathable quality
- water-injected screw compressors from 18.5 – 120.0 kW 
- up to 40 bar, e.g. for manufacture of PET bottles
- as compact units with compressed air tank, refrigerant drier and frequency control
- special version with plate heat exchanger – save energy and money!
- customised models, mobile/portable, built-in units, designed to customer specifications
- for special applications: gas compression, operation of drilling apparatus, rail and special-purpose vehicles

SCROLL COMPRESSORS:

- for oil-free compressed air from 1.5 to 22.0 kW



PISTON COMPRESSORS:

- from 1.5 – 11.0 kW
- stationary or mobile, with or without sound insulation

COMPRESSED AIR ACCESSORIES:

- compressed air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains and oil/water separation systems

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