

RENNER screw compressors

Booster RS-M / RS-MF

 Made in Germany



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



RENNER Booster

Complete with a single-stage oil-injected air-cooled screw compressor. Compact compressor air-end with built-in oil separator tank and external spin on/off fine separator cartridge and oil filter. The oil and the compressed air are fed through a large combined cooler (oil cooler and aftercooler in a single unit), increasing the service life of the oil and reducing compressed air outlet temperatures. A reliable and sufficiently large cool air circuit prevents the components heating up unnecessarily.

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 "no quibble" full warranty
- Ready to connect with 3m electrical cable fitted free as standard along with operating manual for instant plug and play operation



Technical data:

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

Inlet pressure: 6 – 14 bar

Outlet pressure: 25 – 40 bar

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

Ambient temperature: 5 – 40°C

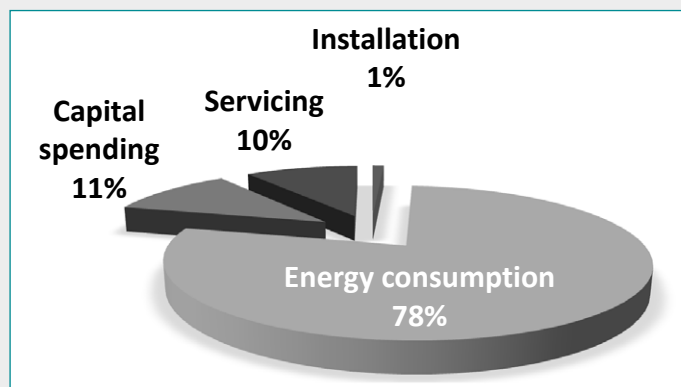
Speed: min 1.500 / max 4.500 rpm

Drive type: Belt drive

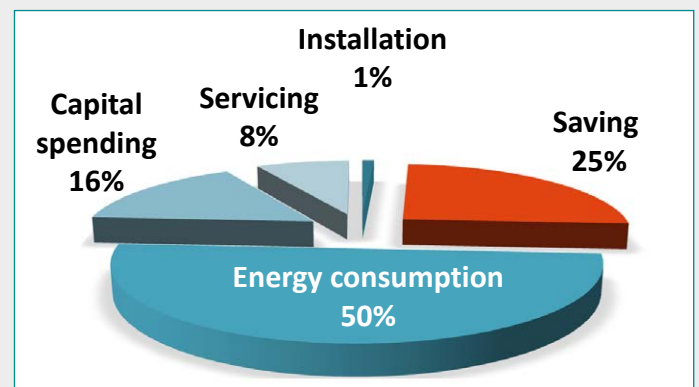
RENNER frequency control

Major fluctuations in compressed air requirements cannot be avoided in many factories. Frequency controlled RENNER screw compressors 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.

Standard compressor



Savings after 5 years



RS-M 18,5 – 45,0 / RS-MF 18,5 – 45,0

Model	Free air delivery							Motor power		Com-pressed air outlet	Dimensions L x W x H	Weight
	pre- pressure:	7,5 bar		10 bar		13 bar						
	final pressure:	25 bar m ³ /min/cfm	40 bar m ³ /min/cfm	25 bar m ³ /min/cfm	40 bar m ³ /min/cfm	25 bar m ³ /min/cfm	40 bar m ³ /min/cfm	kW / HP	inch	mm	kg	
RS-M 18,5		4.2 / 148	-	5.6 / 197	-	-	3.1 / 109	18.5	25	G1¼	1810x1200x1835	1020
RS-M 22,0		5.2 / 184	-	6.8 / 244	3.5 / 124	-	4.3 / 152	22	30	G1¼	1810x1200x1835	1050
RS-M 30,0		7.6 / 268	4.1 / 145	9.4 / 332	5.5 / 194	-	6.8 / 240	30	40	G1¼	1810x1200x1835	1090
RS-M 37,0		-	5.5 / 194	-	7.2 / 254	-	8.8 / 310	37	50	G1¼	1810x1200x1835	1120
RS-M 45,0		-	7.2 / 254	-	9.1 / 321	-	10.5 / 371	45	60	G1¼	1810x1200x1835	1230
RS-MF 18,5		-	-	2.2-5.6 / 77-197	-	-	-	18.5	25	G1¼	1810x1200x1835	1049
RS-MF 22,0		2.0-5.2 / 70-184	-	2.2-6.8 / 77-240	3.0-3.5 / 106-124	-	3.0-4.3 / 106-152	22	30	G1¼	1810x1200x1835	1079
RS-MF 30,0		2.0-7.6 / 70-268	3.0-4.1 / 106-145	2.2-9.4 / 77-332	3.0-5.5 / 106-194	-	3.0-6.8 / 106-240	30	40	G1¼	1810x1200x1835	1131
RS-MF 37,0		-	3.0-5.5 / 106-194	-	3.0-7.2 / 106-254	-	3.0-8.8 / 106-310	37	50	G1¼	1810x1200x1835	1164
RS-MF 45,0		-	3.0-7.2 / 106-254	-	3.0-9.1 / 106-321	-	3.2-10.5 / 113-371	45	60	G1¼	1810x1200x1835	1295
Options											Part no.	
Electronic control RENNERtronic Plus											05591	

Reference conditions: final pressure 40 bar; reference conditions: inlet temperature: 30°C, reference conditions: 1013 mbar, 20°C. As to finally decide on the correct Booster model and as to the determination of the reference conditions, we suggest contacting us or our representative. Other final pressures on request.

RENNER – THE SPECIALIST IN COMPRESSORS




Established in 1994, this family owned business 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, thus ensuring that new developments meet 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 2.2 – 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 manufacturing of PET bottles
- compact units with air receiver, refrigerant dryer and frequency control
- compressors with heat exchanger – saves 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 30.0 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

Supplied by your RENNER distributor:

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