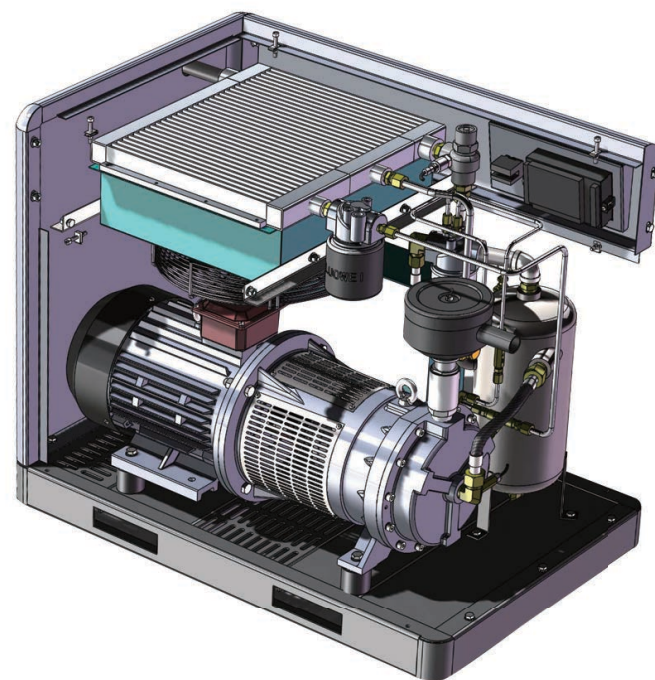


SCROLL AIR COMPRESSOR

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TECHNOLOGICAL INNOVATION

As a creative industrial production company, we strive to lead the way in technological development in the compressed air industry. Investing heavily into research and development of new technologies, we ensure we constantly meet the demands of an ever progressing market. We focus on expanding and developing our own intellectual property rights to ensure our technological leadership stays at the forefront of the market. Combining efficient production methods and innovative technology, production costs are kept to a minimum level. "Innovation to create value" is a core principal of our product offering and has always been our philosophy.

PRODUCTION INNOVATION

Our production system is both modern and dynamic and is designed to constantly improve production efficiency and thus production-line output. This system includes an effective real-time quality control system.

HUMANIZED MANAGEMENT

Management systems are important. We maintain a well structured system that is both scientific and humanised. This ensures efficiency and keeps the personal human factor in the system. Management training is carried out at well-known institutions to promote and strengthen a modern management structure that is conducive to team work and individual empowerment.

MARKETING INNOVATION

Domestic and international market information is constantly studied to identify the needs of the ever changing market place. This gives us the ability to adjust to our clients needs and ensures stable growth in sales and profits.



58dB(A)

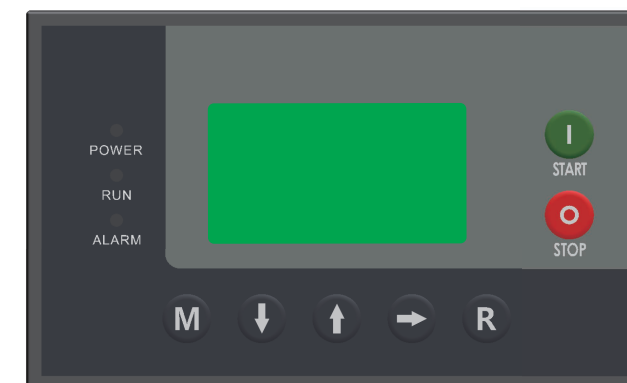
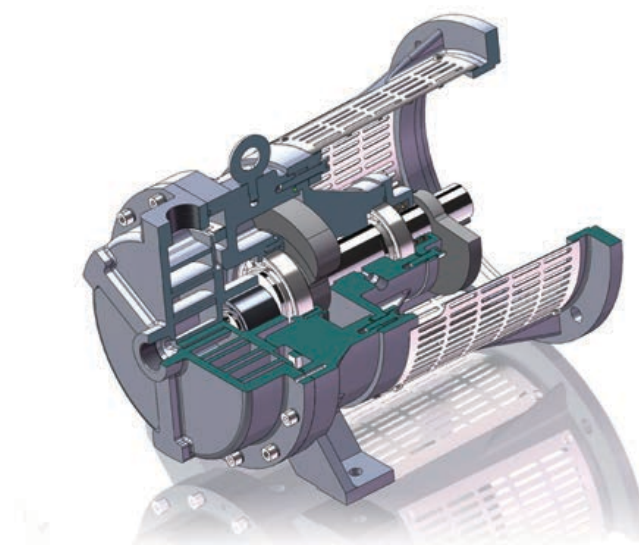
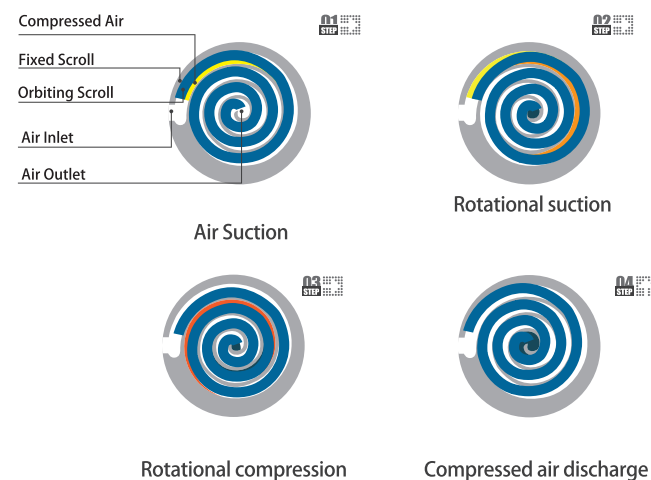


10B

SPECIFICATIONS

Model	Air Delivery (m³ /min)	Pressure(Mpa)	Temperature(°C)	Sound(dB(A))	Motor				Dimension(mm)	Tank(L)	Weight(kg)
					Rev(r/min)	Power(KW/HP)	Start	Volts/Hz(v/HZ)			
10B	1.1	0.8	Working Temperature+50	(57-62) ± 3	2950	7.5/10	Direct Startup	380/50	1670x890x1580	320	350

WORKING PRINCIPLE



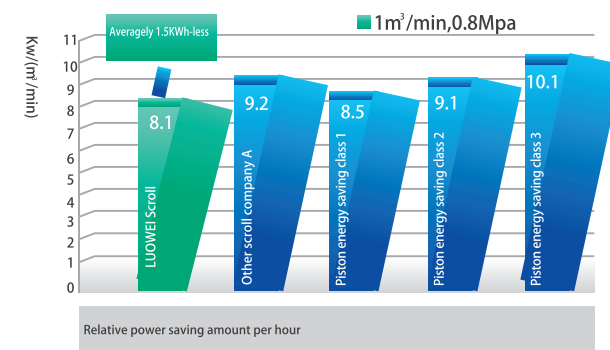
INTELLIGENT CONTROLLER

Intelligent automatic PLC
Efficient control and protection of the electrical system
Multiple stages of protection
Real time display

SUPERIORITY

	Scroll AC	Screw AC	Piston AC
Noise Rating	★★★★★	★★★★	★
Reliability	★★★★★	★★★★	★★
Energy Costs	★★★★★	★★★★	★
Maintenance Cost	★★★★★	★★★★	★
Comprehensive Rating	★★★★★	★★★★	★★

ENERGY SAVING MODEL



Scroll air compressors will gradually replace piston models in the mainstream market segment of small air compressors. Why?

- Piston air compressors are known to require more maintenance parts, they are more noisy and have a shorter service life as well as being inefficient in comparison to scroll-type machines;
- Screw compressors are very expensive to produce and thus have no place in the cost-competitive market segment of small air compressors;
- Scroll-type compressors have the advantage of low noise, low maintenance costs, lower energy requirements, high-efficiency and long life with lower environmental impact.

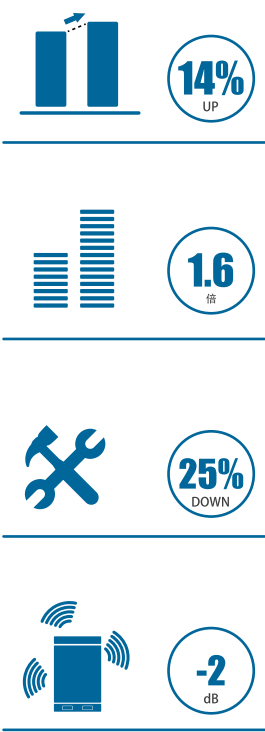
○Presently most piston compressor motors are rated at a 3rd-class energy-savings rating, thus:

- At a production level on 1m³/min/0.8mpa, a scroll-type compressor saves at least 1.5 KW/h;
- Annually at 300 days of 10 hours that equates to 4500KW/h;
- Annually at 350 days of 24 hours per day that equates to 12600KW/h of savings.



- 1、 Air-end
- 2、 Motor
- 3、 Temperature sensor
- 4、 Inlet valve
- 5、 Air filter
- 6、 Intelligent controller
- 7、 Start button
- 8、 Oil-gas separator
- 9、 Solenoid valve
- 10、 Cooling fan
- 11、 Cooler

SCROLL AIR COMPRESSOR



FEATURES

- Small and compact design; light-weight; highly reliable; long service life;
- Energy conservation with volumetric efficiency up to 95%;
- High-technology design with low vibrational levels reduces noise to below 60dB(A);
- Easy maintenance and low maintenance cost.

Energy-saving

- Asymmetrical linear design with stable & continuous air supply and high volumetric efficiency;
- Specially designed outlet-port prevents energy loss, even in cases of over or under compression;
- Motor-directly coupled to reduce loss of energy through belts.

Reliable

- With only 1/10 of the parts of a piston compressor reliability is exceptional;
- No friction parts for air production, non-abrasive design;
- Low voltage and efficient frame design reduce bearing stress.

Quiet Technology

- Streamlined design for perfect balance and low vibrational noise;
- Dynamic-3D and Countershaft bearing alignment minimises mechanical system vibration.

Economical

- No consumable parts, reducing maintenance costs;
- Requires only periodic replacing of filters and oil;
- 1st-class energy saving standard ensures high efficiency in comparison to a piston-type compressor.

SPECIFICATIONS

Model	Air Delivery (m³/min)	Pressure(Mpa)	Temperature(°C)	Sound(dB(A))	Motor				Dimension(mm)	Weight(kg)
					Rev(r/min)	Power(KW/HP)	Start	Volts/Hz(v/HZ)		
4AT	0.40	0.8	Working Temperature+50	(57~62) ± 3	2950	3/4	Direct Startup	220/50 380/50	850X550X700	162
5.5AT	0.55	0.8	Working Temperature+50	(57~62) ± 3	2950	4/5.5	Direct Startup	380/50	850X550X700	179
7.5AT	0.75	0.8	Working Temperature+50	(57~62) ± 3	2950	5.5/7.5	Direct Startup	380/50	970X590X760	228
10AT	1.1	0.8	Working Temperature+50	(57~62) ± 3	2950	7.5/10	Direct Startup	380/50	970X590X760	238
15AT	1.55	0.8	Working Temperature+50	(57~62) ± 3	2950	11/15	Direct Startup	380/50	1000X853X1080	380
20AT	2.2	0.8	Working Temperature+50	(57~62) ± 3	2950	15/20	Direct Startup	380/50	1200X750X950	428

Note:The above technical parameter are subject to change without further notice.

ADVANTAGES OF A SCROLL



LOW NOISE

Continuous supply, no friction parts or wind noise.



LOW MAINTENANCE COST

Fewer structural parts, no consumable parts, only normal maintenance required.



DURABILITY

Simple main structure, fewer moving parts, stable bearing design durable non-friction scroll.



ENERGY EFFICIENT SYSTEM

Volumetric efficiency up to 95%, no friction loss, high torque efficiency, and no suction-discharge resistance loss.



10AT

SPECIFICATIONS

Model	Air Delivery (m³/min)	Pressure(Mpa)	Temperature(°C)	Sound(dB(A))	Motor				Dimension(mm)	Tank(L)	Weight(kg)
					Rev(r/min)	Power(KW/HP)	Start	Volts/Hz(v/HZ)			
4AT	0.40	0.8	Working Temperature+50	(57~62) ± 3	2950	3/4	Direct Startup	220/50 380/50	1015x550x1370	200	252
5.5AT	0.55	0.8	Working Temperature+50	(57~62) ± 3	2950	4/5.5	Direct Startup	380/50	1015x550x1370	200	269
7.5AT	0.75	0.8	Working Temperature+50	(57~62) ± 3	2950	5.5/7.5	Direct Startup	380/50	1250x600x1450	200	338
10AT	1.1	0.8	Working Temperature+50	(57~62) ± 3	2950	7.5/10	Direct Startup	380/50	1250x600x1450	270	348
15AT	1.55	0.8	Working Temperature+50	(57~62) ± 3	2950	11/15	Direct Startup	380/50	1250x750x1640	270	490
20AT	2.2	0.8	Working Temperature+50	(57~62) ± 3	2950	15/20	Direct Startup	380/50	1250x750x1640	270	538

Note: The above technical parameter are subject to change without further notice.

PRODUCT SYSTEM FLOW CHART

