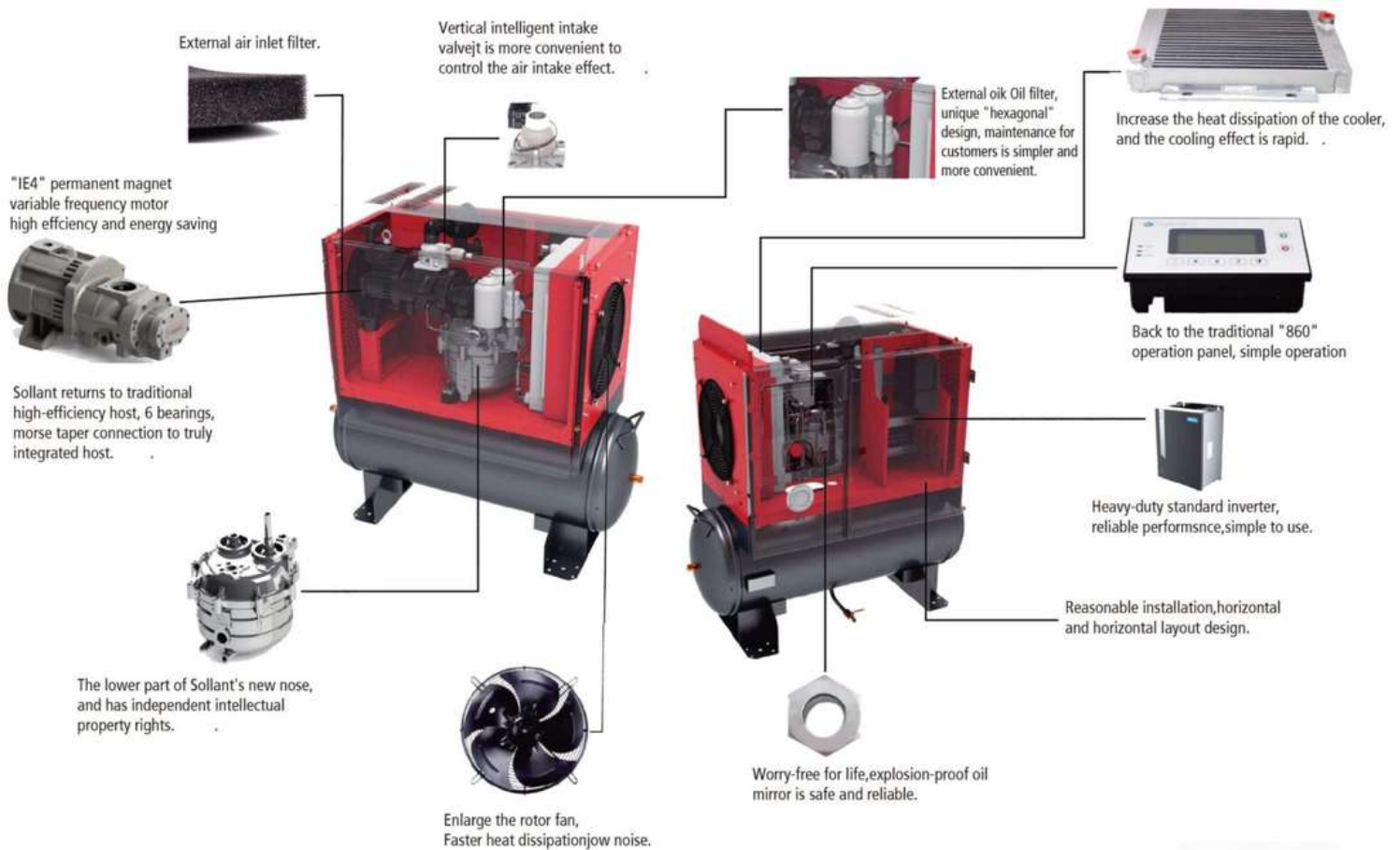




Single Phase Rotary Screw Air Compressor

Single-phase 220V systems are versatile and applicable in various scenarios due to their broad voltage range and the advantages of frequency conversion technology. They feature a lower starting current, making them ideal for residential electricity consumption, and their operational costs are approximately half that of industrial electricity consumption. Furthermore, 220V frequency conversion motors exhibit a 50% increase in energy efficiency compared to conventional motors.

- Manufacturer of single-phase permanent magnet frequency conversion air compressors with industry-specific characteristics.
- Utilizes five stage separation technology with proprietary intellectual property rights, ensuring that the oil content in the output is maintained at 2 ppm.
- Reverts to core principles by employing six heavy-duty bearings connected via a Morse taper, with vibration frequency controlled within 1 mm/s.
- Achieves an efficiency rating of up to 95%, featuring an "IE4" high-energy efficiency motor.
- Operates with constant pressure and minimal noise.
- Incorporates a large air end design, allowing for low speed and ample airflow.
- Equipped with six heavy-duty bearings and Morse taper connections.
- Designed for ease of installation and maintenance.



- **REDUCE ENERGY COSTS**

Under varying working conditions, gas demand will inevitably fluctuate. Extensive research and market demand analysis by SOLLANT have revealed significant disparities in compressor air volume requirements across different scenarios. Notably, only approximately 10% of applications necessitate a constant air supply, highlighting the inverter compressor's potential for enhanced energy savings.

Energy costs often represent about 70% of a compressor's life cycle expenses, with compressed air production accounting for up to 40% of a facility's total electricity costs. In nearly all plants, gas usage fluctuates over time, featuring both peak and trough periods. The SOLLANT permanent magnet variable frequency screw air compressor is designed to deliver air precisely in line with consumption requirements, resulting in substantial energy savings.

- **Emulsion Resistance**

The compressor is equipped with a set of precise and reliable Automatic Temperature Control Systems (ATS) that maintain the lubricating oil temperature within a constant range upon startup. This ensures that the exhaust temperature of the air compressor exceeds the dew point temperature of the compressed air, effectively preventing the condensation of water and mitigating the risk of oil emulsification.

Single-Phase Variable Speed Screw Air Compressor Specification

Model	Power KW	Horsepower HP	Voltage	Pressure	Displacement L/min	Air Tank L	Dimensions(mm) L*W*H	Outlet Dimension
SLTS-3.7V	3.7	5	220/380	8	200-400	100	1020*540*1035	G1/2
				10	175-350			
				12.5	150-300			
SLTS-4.5V	4.5	6	220/380	8	250-500	100	1020*540*1035	
				10	210-420			
				12.5	180-360			
SLTS-5.5V	5.5	7	220/380	8	315-630	100	1020*540*1035	
				10	275-550			
				12.5	210-420			
SLTS-7.5V	7.5	10	220/380	8	490-980	160	1060*560*1270	
				10	450-900			
				12.5	400-800			
SLTS-9V	9	12	220/380	8	600-1200	200	1300*580*1375	
				10	540-1080			
				12.5	460-920			

Single-Phase Fixed Speed Screw Air Compressor Specification

Model	Power KW	Displacement m ³ /min	Exhaust pressure (MPa)	Customizes 10KG	Noise dB (A)	Dimensions(mm) L*W*H	Weight KG	Exhaust port	Air tank
SLTS-3F	2.2	0.34	0.8	ok	55	640×400×640	76	RC1/2	150L
SLTS-3FS(220V)	2.2	0.34	0.8	ok	55	640×400×640	79	RC1/2	150L
SLTS-6F	4.5	0.65	0.8	ok	60	720×430×670	105	RC1/2	150L/220L
SLTS-7F(220V)	5.5	0.80	0.8		62	720×430×670	110	RC1/2	150L/220L
SLTS-10F	7.5	1.05	0.8	ok	65	820×560×810	170	RC3/4	290L
SLTS-0413F	3.0	0.34	1.25		57	640×400×640	76	RC1/2	150L
SLTS-0413FS(220V)	3.0	0.30	1.25		57	640×400×640	79	RC1/2	150L
SLT-613F	4.5	0.60	1.25		61	720×430×670	105	RC1/2	150L/220L
SLTS-7FS13(220V)	5.5	0.66	1.25		62	720×430×670	105	RC1/2	150L/220L
SLTS-1013F	7.5	0.95	1.25		66	820×560×810	170	RC3/4	290L
SLTS-0616F	4.5	0.34	1.6		65	720×430×670	90	RC3/4	
SLTS-1016F	7.5	0.65	1.6		66	820×560×810	155	RC3/4	
SLTS-1516F	11	1.05	1.6		68	820×560×810	190	RC3/4	
SLTS-06F	4.5	0.65	0.8	ok	66	1320×600×1390	225	RC1/2	290L / 420L
SLTS-10F	7.5	1.05	0.8	ok	68	1320×600×1530	290	RC1/2	290L / 420L