

Screw Air Compressor スクリュー コンプレッサ



The ultimate form of Air Compressor, LRS Series

With leading performance, efficiency, and reliability in the market.

Easy maintenance access

All panels on four side can be easily removed by one touch for quick and easy maintenance.



Easy operation panel

All models equipped with user-friendly LCD operation panel. Setting can be done by durably input keys. All operation status is can be viewed at a glance.



Reliability

Large, high efficiency oil cooler and aftercooler for tropical area. Ensures operation without over heating.



Durability

Stainless piping is used to prevent air / oil leakage in long time of use.



Energy serving variable speed control

The best capacity control to provide compressed air at lowest electricity cost.



Efficiency

IE3 class high efficiency motor.



Compact

30% less size than previous models.



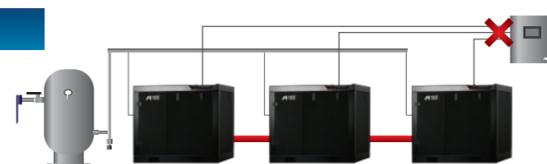
Air quality

5% less oil carry over due to enlarged oil separator.



Self group control

Multiple unit control can be done without external controller. Maximum 8 units.



Specification

Standard

Item	Unit	Compressor type		
		LRS - 150	LRS - 220	LRS - 370
Power supply	P · V · Hz	3 · 380 / 415 · 50 , 3 · 220 · 60		
Starter	/	Star-delta		
Pressure	MPa	0.75 / 0.85 / 1.0		
Suction gas	/	Air / Atmospheric pressure 2~45°C		
Free air delivery	m³/min	2.7 / 2.6 / 2.1	3.8 / 3.6 / 3.3	6.8 / 6.3 / 5.7
Drive method	/	Direct		Direct + Gear
Control	/	Fine dual control (Load / Unload + Back pressure drop / Automatic start, stop)		
Outlet air temperature	°C	Suction temperature + 15		
Air outlet connection	B	Rc1	Rc1	Rc1 - 1/2
Noise level	dB(A)	64	65	66
Motor	Type	3 phase TEFC, F class, IP54, IE3		
	Output	KW	15	22
Dimensions	mm	1200x800x1000	1200x800x1000	1600x950x1200
Oil volume	L	18	18	27
Weight incl. oil	Kg	435	500	890

Inverter

Item	Unit	Compressor type		
		LRSV - 150	LRSV - 220	LRSV - 370
Power supply	P · V · Hz	3 · 380 / 415 · 50 , 3 · 220 · 60		
Starter	/	Inverter		
Pressure	MPa	0.65 / 0.8		
Suction gas	/	Air / Atmospheric pressure 2~45°C		
Free air delivery	m³/min	2.6 / 2.5	3.7 / 3.5	6.7 / 6.1
Drive method	/	Direct		Direct + Gear
Control	/	Inverter		
Outlet air temperature	°C	Suction temperature + 15		
Air outlet connection	B	Rc1	Rc1	Rc1 - 1/2
Noise level	dB(A)	64	65	66
Motor	Type	Inverter 3 phase TEFC, F class, IP54, IE3		
	Output	KW	15	22
Dimensions	mm	1200x800x1000	1200x800x1000	1600x950x1200
Oil volume	L	18	18	27
Weight incl. oil	Kg	445	515	915

Installation conditions

- 1) Install to a bright and enough space to perform maintenance.
- 2) Do not install outside.
- 3) Make sure the installation area provides good ventilation. Failures to have good ventilation will affect the compressor and will decrease the product life.
- 4) Operate the compressor within the range of temperature 2°C ~ 40°C (15~37kw), 0°C ~ 45°C (45kw).
- 5) The installation area must be less humid and dust-free environment.
- 6) Install the compressor on a level floor. The unlevel ground may cause vibration, noise, or failure of the compressor.
- 7) Secure the enough space for regular maintenance and inspection.
- 8) Do not block the air compressor intake and exhaust grating.
- 9) Refer to the instruction manual for details.

Installation conditions

- 1) Installation area of the compressor must be ventilation at all times for efficient operation.
- 2) For general ventilation, ensure the minimum amount of ventilation required to prevent from the temperature rise of 5 deg C. ...Refer to Fig 1.
- 3) Install ventilation fans in consideration of the positions of cooling air inlet and cooling air outlet.
- 4) The ventilation air speed at cooling air inlet must be slower than 5m/sec.
- 5) For local ventilation with ducting, pressure drop over the ducting is to be minimized. If pressure drop with the airflow is less than 30Pa (3mmAq) for 15~37kw 20Pa for 45kw, the ventilation fan is not required. ...Refer to Fig 3. In case the ventilation fan is required, it shall be selected along with the pressure drop calculated by the cooling airflow and ducting pressure drop. ...Refer to Fig 4.
- 6) Refer to the instruction manual for details.

