

PRODUCT INTRODUCTION

The full range of oil-free scroll air compressors meets various needs in commercial vehicles and rail transit, including braking, pneumatic suspension, oxygen supply, and intelligent pneumatic seats. Compared to traditional air compressors, oil-free scroll air compressors offer significant advantages such as true oil-free operation, high efficiency, low vibration, high reliability, low noise, and maintenance-free operation.

1.5 kW direct connection



2.2 kW coaxial version



3.7kw, 5.5kw volute version

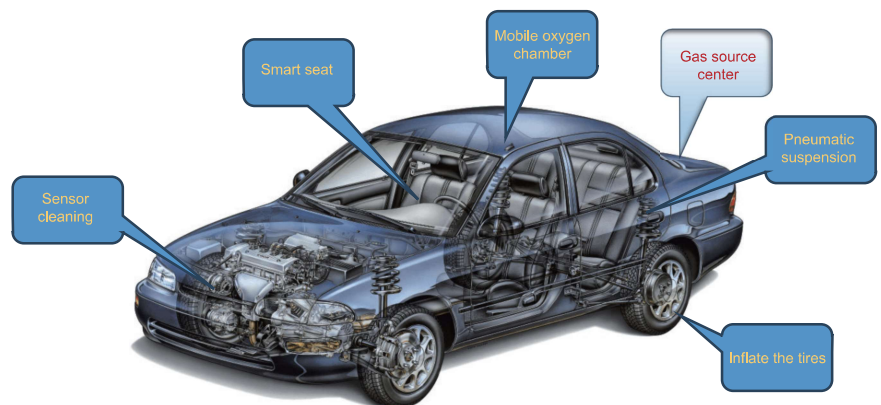


3.7 kw, 5.5kw



Vehicle: flow rate from 120L/Min to 500L/min, 8 basic models and more than 20 extended models have been developed to meet the needs of commercial new energy vehicles for braking and pneumatic suspension.

FUTURE GAS SOURCE CENTER (VEHICLE-MOUNTED CENTRALIZED GAS SOURCE)



FEATURES

ITS REALLY OIL-FREE

Compressed air is completely free of lubricating oil and water, so there is no need to worry about oil emulsification, oil leakage fire, lack of oil brake hidden dangers, greatly improving safety performance and air cleanliness.

HIGH EFFICIENCY

The unique structure of the vortex makes the volume ratio high, no energy waste, and higher efficiency.

LOW VIBRATION

The high pressure area of the rotating process is around the axis, evenly distributed without eccentricity, excellent balance and small vibration.

HIGH RELIABILITY

The number of parts is small, and the heat dissipation design makes the air compressor more reliable.

LOW NOISE

There are very few parts of the host, almost no parts collision sound, and the noise is extremely low.

MAINTENANCE-FREE

There are almost no vulnerable parts and maintenance costs are extremely low.

Type	Oil injection screw type	Oil injection slide type	Oil-free piston type	Oil free scroll
Product picture				
Noise	secondary	secondary	tal	small
Vibrate	secondary	secondary	tal	small
Service environment	-20~45℃	-20~45℃	-20~50℃	-40~65℃
Gas quality	Contains trace amounts of oil Easy to run on oil	Contains trace amounts of oil Easy to run out of oil	The piston rings are prone to wear	Totally oil-free
Reliability	Lubricating oil is easily emulsified High temperature jump	Lubricating oil is easily emulsified High temperature jump	Many moving parts Wear is high	Simple structure and smooth operation No lubricating oil emulsification risk
Maintenance cycle / 2500 hours per year	Check the oil mirror regularly Replace the air filter Replace the oil filter Change the lubricating oil	The oil mirror needs to be checked regularly and the air filter needs to be replaced Change oil filter and lubricating oil	Replace the air filter Replace piston rings, valves, etc. several times	Replace the air filter Replace seals as needed