# Diesel Engine Portable Air Compressor





## **ABOUT SOLLANT**

Sollant portable diesel air compressor, as the leader of energy-saving mobile screw air compressors in China, is committed to providing customers with more economical, energy-saving, and efficient mobile air compressors.

Sollant mobile machine adopts a high compression efficiency two-stage energy-saving screw mainframe, powerful branded engine, high-efficiency cooling system, stable and reliable control system, and the performance is excellent!

Sollant's diesel portable screw air compressors find widespread application across various heavyduty industries including mining, hydropower, oil and gas exploration, borehole drilling, shipbuilding, construction, chemical, quarrying, sandblasting, pipeline pressure testing, and public works.

Committed to excellence, Sollant consistently strives to provide innovative products and services that embody quality and value

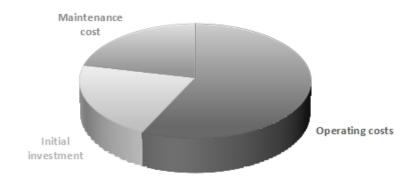
#### **ENERGY EFFICIENT**

# SOLLANT DESIGN CONCEPT

Carefully designed for customers to achieve better energy saving results, saving up to 30%

## Compressor product application strategies: reduce operating costs

During the entire life cycle of a diesel mobile screw compressor, operating costs account for up to 80% of the total cost. Reducing the fuel cost during the operation of a diesel mobile screw compressor plays a decisive role in reducing the overall cost of the machine's life cycle. Therefore, reducing the operating cost of the product has become an increasing focus of users.





### **CUMMINS ENGINE**

This Cummins B series engine with in-cylinder technology maintains a compact, simple and cost-effective design solution. With an idle speed of 1300 rpm, the engine provides large torque with low fuel consumption. Designed for minimal noise output, it can operate in high density areas such as business or residential districts. The Holset Turbocharger provides a waste gated design to optimize operation across the torque curve with improved response. Having 40% fewer parts than traditional diesels, the integrated design eliminates potential leak points. The durable rotary fuel pump delivers a steady stream of pressurized fuel for strong performance in every environmental condition.

At Sollant, we go beyond merely offering superior products and deliver potent solutions to drive your business forward. Our robust compressors excel on the most demanding job sites, while our generators and light towers are both reliable and efficient. When you factor in our industry-leading service and support, it becomes evident that partnering with us yields a smart return on your investment

#### Dependability

Our equipment is built to last with corrosion-resistant galvanneal steel enclosures and a durable, baked-on powder coat fnish. We conduct extensive testing on our machines to ensure they can operate in the most adverse conditions and applications. Sollant is fully committed to delivering quality machines that maximize uptime and minimize downtime to give you peace of mind.

#### **Performance**

Sollant gives you the power you need most efficiently. We provide leading fuel economy and performance while ensuring compliance with the latest emissions standards. Sollant also offers unmatched versatility to support almost every job or application. With user-friendly controls and diagnostics, anyone can operate our equipment with minimal instruction.

#### Serviceability

Sollant has an extensive and knowledgeable dealer network. All of our products are engineered and designed with an emphasis on accessibility to make sure routine maintenance is quick and easy to perform without having to take the machine apart.



## **TECHNICAL SPECIFICATIONS**

#### Special Diesel Engine

The strong power is matched with Cummins and other heavy-duty special diesel engines to achieve the best combustion state throughout the engine's operation, making the product more reliable, more powerful, and more fuel-efficient.

#### **Multiple Air Filtration Systems**

Effectively prevent the impact of harsh dust environment on the engine. The precision filter layer of the main air filter filters out remaining dust to ensure that the machine does not wear out; the safety filter element allows the machine to perform air filter maintenance without stopping to ensure the safe operation of the machine.

#### **Efficient Cooling System**

Independent oil, water and air coolers combined with large-diameter fans are designed to adapt to severe cold and hot weather.



Model	SLTDP-5/8	SLTDP-7.5/8	SLTDP-10/8	
Exhaust pressure (MPa)	0.8	0.8	0.8	
Volume flow (m³/min)	5±5%	7.5±5%	10±5%	
Exhaust temperature (°C)	≤75	≤75℃	≤75°C	
Motor power(kw)	60	60	74	
Diesel engine parameters	QSB3.9-C80-31	Cummins QSB3.9-C80-31	Cummins QSB3.9-C100-30	
Average fuel consumption (L/h)	7	11	18.9	
Diesel tank capacity (L)	70	70	150	
Oil capacity (L)	7	7	13-+15	
Coolant capacity (L)	23	23	13-+15	
Compression grade	single stage	single stage	single stage	
Noise (dB(A))	<96	<96	<96	
Overall dimensions (mm)	1900*1600*1550	1900*1600*1550	2200*1750*2000	
Weight (T)	0.96	0.96	2.1	
Exhaust port size	G1, G1	G1, G1	G1-1/2*1 G1*1	

## **TECHNICAL SPECIFICATIONS**





Model	SLTDP-13/10	SLTDP-15/13	SLTDP-16/15	SLTDP-17/8	SLTDP-17/13	SLTDP-18/17	SLTDP-18/20	SLTDP-20/20	SLTDP-20/25
Exhaust pressure (MPa)	1	1.3	1.5	0.8	1.3	1.7	2.0MPa	2	2.5
Volume flow (m³/min)	13±5%	15±5%	16±5%	17±5%	17±5%	18±5%	18±5%	20±5%	20±5%
Exhaust temperature (°C)	≤75°C	<b>≤</b> 75°C							
Motor power(kw)	93	142	142	142	142	162	162	194	239
Diesel engine parameters	Cummins QSB3.9- C125-30	Cummins QSB5.9- C190-31	Cummins QSB5.9- C190-31	Cummins QSB5.9- C190-31	Cummins QSB5.9- C190-31	Cummins QSB5.9- C220-30	Cummins QSB5.9- C220-30	Cummins QSB8.3- C260-30	Cummins QSL8.9- C325-30
Average fuel consumption (L/h)	18.9	28	28	28	28	32	32	38	48
Diesel tank capacity (L)	150	200	200	200	200	200	200	300	300
Oil capacity (L)	13-+15	17	17	17	17	20	20	22	28
Coolant capacity (L)	13-+15	48	48	48	48	60	60	65	75
Compression grade	single stage	two-stage	two-stage	two-stage	two-stage				
Noise (dB(A))	<96	≤90	≤90	≤90	≤90	≤93	≤93	≤93	≤95
Overall dimensions (mm)	2200*1750*2000	2400×1750×2000	2400×1750×2000	2400×1750×2000	2400×1750×2000	3040×2000×2200	3040×2000×2200	3040×2000×2200	3040×2000×2200
Weight (T)	2.1	2.1	2.1	2.1	2.1	3	3	3.5	3.5
Exhaust port size	G1-1/2*1 G1*1	G1, G2							

Model	SLTDP-21/10	SLTDP-21/13	SLTDP-21/17	SLTDP-24/22	SLTDP-25/17	SLTDP-28/15	SLTDP-29/25	SLTDP-33/10	SLTDP-35/30
Exhaust pressure (MPa)	1	1.3	1.7	2.2	1.7	1.5	2.5	1	3
Volume flow (m³/min)	21±5%	21±5%	21±5%	24±5%	25±5%	28±5%	29±5%	33±5%	35±5%
Exhaust temperature (°C)	≤75°C	≤75°C	≤75°C	≤75°C	≤75°C	≤75°C	≤75°C	≤75°C	≤90°C
Motor power(kw)	150	162	194	239	239	239	335	239	410
Diesel engine parameters	Cummins QSB5.9- C220-30	Cummins QSB5.9- C220-30	Cummins QSB8.3- C260-30	Cummins QSL8.9- C325-30	Cummins QSL8.9- C325-30	Cummins QSL8.9- C325-30	Cummins QSZ13- C400-30	Cummins QSL8.9- C325-30	Cummins QSZ13- C550-30
Average fuel consumption (L/h)	32	32	38	48	48	48	55	48	75
Diesel tank capacity (L)	200	200	300	300	300	300	600	300	800
Oil capacity (L)	20	20	22	28	28	28	28	28	40
Coolant capacity (L)	60	60	65	75	75	75	75	75	68
Compression grade	two-stage	two-stage	two-stage	two-stage	two-stage	two-stage	two-stage	two-stage	three-stage
Noise (dB(A))	≤93	≤93	≤93	≤95	≤95	≤95	≤95	≤95	<96
Overall dimensions (mm)	2400×1750×2000	3040×2000×2200	3040×2000×2200	3040×2000×2200	3040×2000×2200	3040×2000×2200	3800×2000×2200	3040×2000×2200	4000*2000*2580
Weight (T)	3	3	3.5	3.5	3.5	3.5	4.55	3.5	4.95
Exhaust port size	G1, G2	G1, G2	G1, G2	G1, G2					