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# Rotorcomp Compressor Co., Ltd (Shanghai Rotorcomp)





## About Us

Since 1999, Shanghai rotorcomp has an overseas R&D center + provincial enterprise technology center, 106 R&D technicians, 12 third-generation Rotorcomp patented lines, and production base located in Hebei and Shan' xi to supply the best solution and fast high-quality service for each user's compressed air system for over 45 countries. Partners include Huawei, Sinopec, GE, CNNR, CNPC, BYD, TOYOTA, Air product, Pylontech. We keep going to provide users with a full range of compressor system in green, efficient and energy-saving ways.



## Features

- Strong and durable portable compressor, designed and manufactured by Shanghai rotorcomp
- Designed to meet your ideal equipment use and project construction
- The trustworthy shanghai rotorcomp full range of portable compressors will provide you with stable and uninterrupted power, making your work more efficient and more efficient.
- Portable compressors range from small construction air tools to large bore high air pressure drilling. Fidelity offers a full range of products for you to choose from.
- These sturdy and reliable devices are suitable for a wide range of applications. The maintenance of the equipment is convenient, the operation is simple, and it brings you more and stronger productivity.



## High -efficient Diesel portable screw compressor

Portable diesel air compressors are suitable for many different types of weather conditions and operate from  $-25^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$  to  $+122^{\circ}\text{F}$ ).

This diesel-powered screw air compressor is very suitable for mining, water conservancy, road engineering, shipbuilding, urban construction, energy and other industrial sectors.

## High -efficient Diesel portable screw compressor

Application Portable air compressors are used in many fields such as mining, water conservation, transportation, shipbuilding, urban construction, energy, military industries and other industries.



### 1 High reliability of the main engine

Low fuel consumption, stable displacement, and reliable operation, SKF patented bearings, long service life, and the overhaul interval can reach 60,000–80,000 hours.



### 2 High-flexibility mop

No unbalanced inertial force, it can run at a high speed in a balanced manner, and can realize no foundation operation, especially suitable for use as a mobile compressor, with small size, light weight and small footprint;



### 3 Convenient operation and maintenance

The high-strength and highly automated controller customized for Diesel Mobile can realize unattended operation without long-term training for operators.



### 4 Cooling system customized for mobile machines

The cooling system is increased by 30%, the cooling efficiency is increased by 15–20%, and it is suitable for long-term work in high temperature areas.



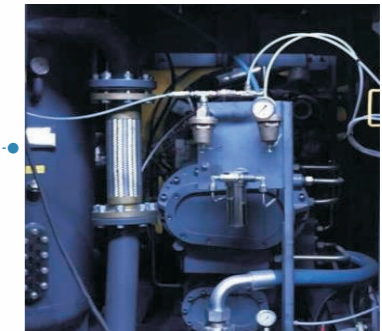
### 8 Special powder spray paint cover

Anti-oxidation and anti-corrosion, all-enclosed seal design, dust-proof and snow-proof, unique noise reduction technology and shock-absorbing block, the overall noise is reduced by 3–5dB



### 7 Only select first-class diesel engines at home and abroad

Such as yuchai, cummins, Caterpillar, low-noise, low-emission and environmentally friendly engines, reaching the Euro III standard. Allocation, the power output achieves an excellent balance.



### 5 Reinforced intake valve and main engine pipeline

To ensure stable air output, and important pipelines are insulated to prevent personal injury;

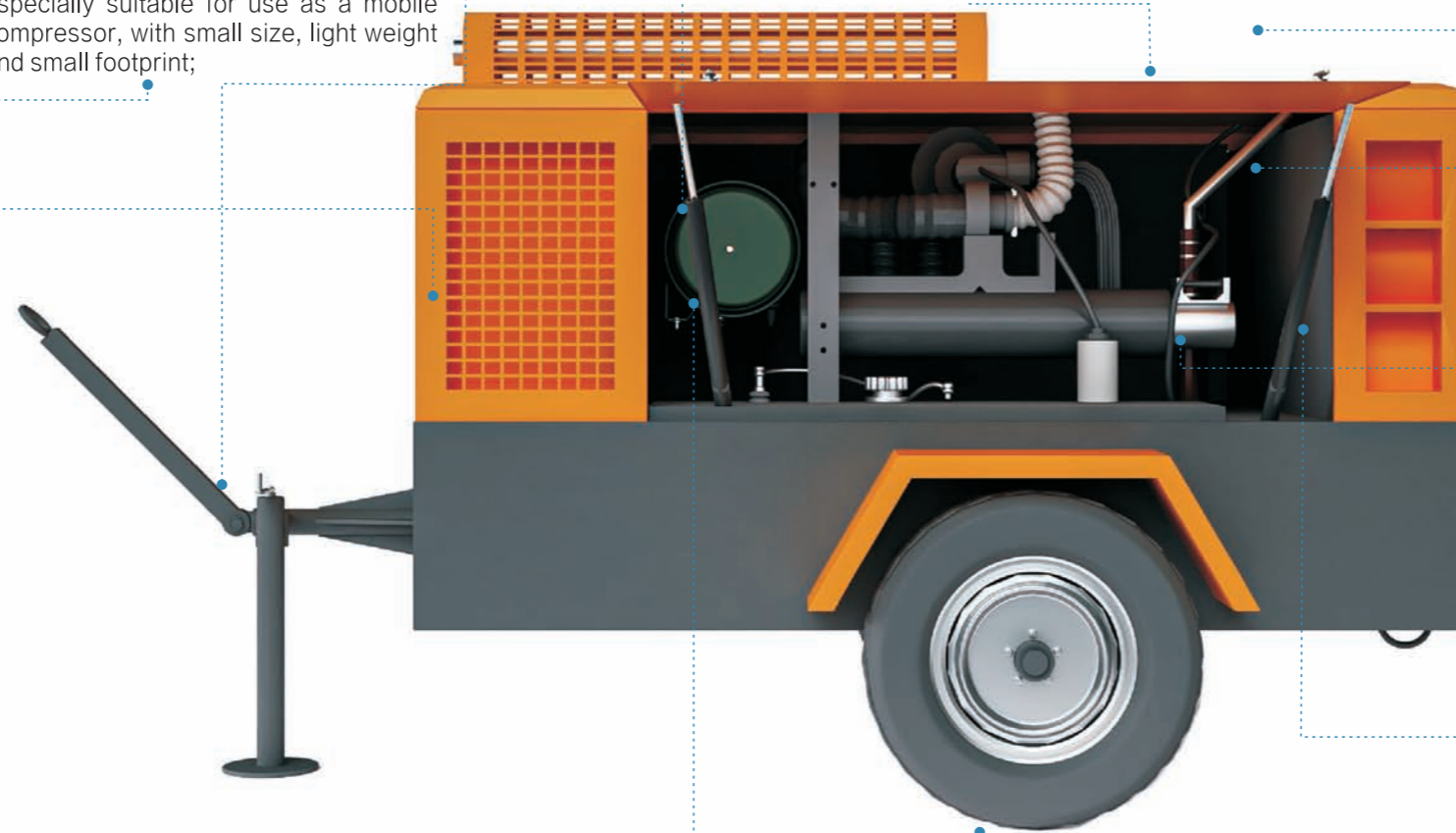


Repair kits, joints and tools are provided at random, ready to use.



### 6 Choose a high-strength piping system

That is heat-resistant, pressure-resistant and acid-resistant to prevent oil leakage and provide a guarantee for high-stability work in harsh outdoor conditions;





## High -efficient Diesel portable screw compressor

For sand blasting, jack hammer drilling, mining drilling, borehole drilling projects

Models introduction: LY12/10,13/17K,18/17K,LY22/8,LY22/18K,LY32/10K

Pressure range:7-18bar(101psi-262psi)

Air capacity:6-32m<sup>3</sup>/min(215cfm-1143cfm)

Max. ambient temp. 50°C



- When a compressor is powering a construction site, Shanghai rotorcomp air compressors are the perfect fit for your needs. Each model inherits the same functional design.
- Characteristics and the same product characteristics, ensuring the same quality of production capacity.
- These devices are excellent working partners for construction air tools such as rock drills, breakers, air guns, air wrenches, drain pumps and sandblasting equipment to name a few.
- Fidelity mobile air compressors also have an extensive footprint in the oil industry, often in oil or gas smelting.
- Refineries, workshops, as a backup gas source.

## Technical Parameters

Model#	Capacity (F.A.D)		Working Pressure		Diesel Engine	Weight	Size	Remark
	m <sup>3</sup> /min	cfm	Mpa	Psig	KW/HP	kgs	(L*W*H)mm	
LY-6/7	6	212	0.7	102	YuChai YCD4B22-95,70kw/95HP	1400	3750*1920*1700	2 wheels
LY-7.5/7	7.5	265	0.7	102	YuChai YC4D80-K11,58kw/80HP	1850	3900*1920*1700	2 wheels
LY-9/7	9	318	0.7	102	YuChai YC4D95Z-K20,70kw/95HP	1850	3900*1920*1700	2 wheels
LY-10/13	10	353	1.3	189	YuChai YC6B150Z-K20,110kw/150HP	2380	4080*1980*2350	2 wheels
LY-12/10	12	424	1	145	YuChai YC6B150Z-K20,110kw/150HP	2380	4080*1980*2350	2 wheels
LY-13/17K	13	459	1.7	247	Cummins 6CTA8.3-C215,158kw/215HP	2380	3780*1980*2350	4 wheels
LY-15/10K	15	530	1.0	145	Cummins 6BT180,132kw/180HP	2750	3450*1520*2220	4 wheels
LY-17/7K	17	600	0.7	102	Cummins 6BT5.9-C180,132kw/180HP	3050	3380*1640*2350	4 wheels
LY-18/17K	18	636	1.7	247	Cummins 6CTA8.3-C260,192kw/260HP	3700	3980*1800*2450	4 wheels
LY-22/8K	22	777	0.8	116	Cummins 6CTA8.3-C260,192kw/260HP	4000	4580*1950*2600	4 wheels
LY-22/14	22	777	1.4	203	YuChai YC6M340-20,250kw/340HP	4500	4580*1950*2600	4 wheels
LY-22/14K	22	777	1.4	203	Cummins 6CTA8.9-C325,239kw/325HP	4500	4580*1950*2600	4 wheels
LY-22/18	22	777	1.8	261	YuChai YC6M340-20,250kw/340HP	4500	4580*1950*2600	4 wheels
LY-22/18K	22	777	1.8	261	Cummins 6CTA8.9-C325,239kw/325HP	4500	4580*1950*2600	4 wheels
LY-27/10	27	954	1	145	YuChai YC6M340-20,250kw/340HP	5000	4600*1950*2850	4 wheels
LY-32/10	32	1130	1	145	YuChai YC6M390-20,287kw/390HP	5000	4600*1950*2850	4 wheels
LY-32/10K	32	1130	1	145	Cummins 6LTA8.9-C360,265kw/360HP	5000	4600*1950*2850	4 wheels

### Options

- Wheels chocks
- Quality air equipment:
  - aftercooler
  - Bypass valve
  - Preheater
- Special application
  - Cold start
  - silencer
- Customization
  - Special colors requests
  - Qty of wheels & unwheeled









# Double-stage diesel skid-mounted compressor



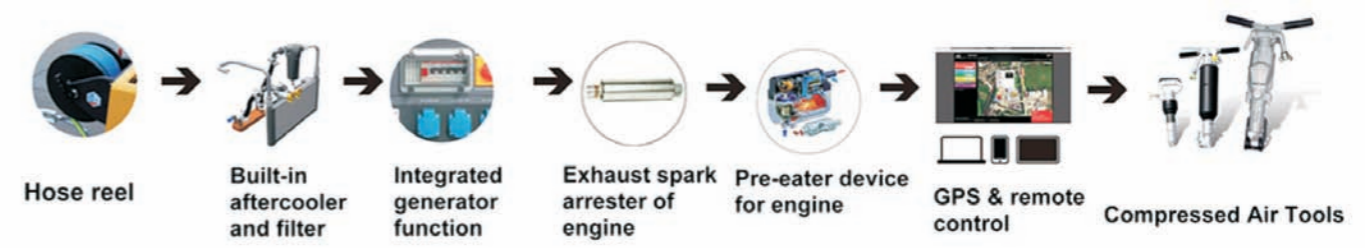
# Double-stage diesel portable compressor



- 1 Two-stage helical rotor patent, the rotor linearity is 5:6, and the energy consumption is reduced by 8%; there is no speed-up gear in the middle, which has higher efficiency and better reliability. Long, the design maximum pressure can reach 40bar. 
- 2 Two-stage compression; Select famous engines such as Deutz, Cummins, Yuchai World, etc. 
- 3 SKF bearing, direct drive, noiseless gear, design life more than 15 years; 
- 4 Good adaptability, it can automatically adjust the diesel oil valve (displacement volume) according to the gas consumption, without wasting a drop of diesel. This is equivalent to the frequency conversion control of the electric screw machine 
- 5 Automatic fuel supply for a long time – The large capacity fuel tank (up to 708 liters) enables large air compressors to work in remote areas without refueling. 

- 6 The patented cyclone air pre-filter increases the number of air filter replacements by 5 times. The cyclone air filter filters residual dust and protects the compressor, and the filter element provides safe air filter maintenance without stopping the compressor. The system can operate continuously in desert conditions or heavy dust conditions. Accuracy up to 8 μ. Compressed air triple oil cooling system, always saves no more than 3 ppm of oil in the exhaust compressed air. 
- 7 Versatile – suitable for use in all weather conditions and temperatures between -25° C/-13° F and +50° C/+122° F.

## Options





## Double-stage diesel air compressor

For high-pressure & deeper drilling projects, such as: water well & geothermal drilling, tall building piling, borehole drilling projects

Models introduction: LY17/17K, 19.5/19K, LY25/23K, LY26/25K, LY33/25K, LY29/25K, LY39/25K

Pressure range: 17–35 bar (247 psi–510 psi)

Air capacity: 17–39 m<sup>3</sup>/min (608 cfm–1395 cfm)

Max. ambient temp. 50 °C



- Double-stage air compressors are widely used in mining, water conservancy, transportation, shipbuilding, urban construction, energy, military and other industries that need to drill deep holes.
- Shanghai rotorcomp high pressure double stage portable compressor comes into being. With multiple pressure and temperature sensors are set up in the unit to monitor the relevant parameters, and calculate and execute a reasonable fuel injection amount through the engine ECU and controller, so as to accurately guarantee the gas production and high wind speed at all times.
- Pressure to ensure high penetration of the rig.
- The higher the pressure, the faster the speed, while the high flow rate ensures large drilling diameter formation.
- In the long-term high temperature test, Fidelity equipment maintains consistent and stable performance, providing reliable, unchanged, constant productivity.

## Technical Parameters

Model	Working pressure		Capacity		Engine			Dimension
	bar	psi	m <sup>3</sup> /min	cfm	model	kW	hp	mm
LY- 12/15	15	218	12	430	Yuchai	118	160	3980*1800*2650
LY- 15/16	16	232	15	540	Yuchai	140	190	3980*1800*2650
LY- 15/16K	16	232	15	540	Cummins	132	180	3980*1800*2650
LY- 17/17	17	247	17	612	Yuchai	162	220	3980*1800*2650
LY- 17/17K	17	247	17	612	Cummins	155	210	3980*1800*2650
LY- 18/20	20	290	18	648	Yuchai	191	260	3980*1800*2650
LY- 18/20K	20	290	18	648	Cummins 6CTA8.3- C260	191	260	3980*1800*2650
LY- 19.5/19K	19	276	19.5	696	Cummins 6CTA8.3- C260	195	260	3980*1800*2650
LY- 19.5/19K	19	276	19.5	696	Yuchai YC6M260L- K20	195	260	3980*1800*2650
LY- 19/21 - 21/18K	21	305	19	684	Cummins	191	260	4600*1950*2850
LY- 22/20K	20	290	22	786	Cummins 6CTA8.9- C325	240	325	4600*1950*2850
LY- 23/23 - 25/18K	23	334	23	828	Cummins	240	325	4600*1950*2850
LY- 27/23 - 29/18	23	334	27	972	Yuchai	294	400	4600*1950*2850
LY- 25/23 - 27/18K	23	334	25	900	Cummins	265	360	4600*1950*2850
LY- 26/25	25	363	26	928	Cummins	368	500	4700*2100*2500
LY- 21/35	35	508	21	750	QSZ13- C500 or	368	500	4700*2100*2500
LY- 26/25(21/35)	25(35)	363(508)	26(21)	929(750)	Yuchai YC6K550L	368	500	4700*2100*2500
LY- 33/25	25	363	33	1179	Cummins	405	550	4700*2100*2500
LY- 26/35	35	508	26	929	QSZ13- C550 or Yuchai YC6K550L	405	550	4700*2100*2500
LY- 29/25	25	363	39	1393	Cummins	463	630	4700*2100*2500
LY- 33/35	35	508	33	1179	KTA19- P630 or	463	630	4700*2100*2500
LY39/25(33/35)C	25(35)	363(508)	39(33)	1393(1179)	Caterpillar C- 18ACERT	463	630	4700*2100*2500

NOTE: The model is represented as two front \*, its length dimensions include mop

### Options

- Wheels chocks
- Quality air equipment:
  - aftercooler
  - Bypass valve
  - Preheater
- Special application
  - Cold start
  - silencer
- Customization
  - Special colors requests
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