



SHANDONG ZHONGHAI MACHINERY CO.,LTD
SHANDONG COMPRESSOR IMPORT & EXPORT CO.,LTD.

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**SCEW AIR
COMPRESSOR**

LET OUR AIR COMPRESSOR
SERVE THE WORLD

ABOUT US

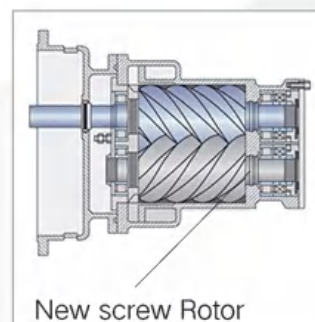
Shandong Zhonghai Machinery Co.,Ltd & Shandong Compressor Import & Export Co.,Ltd. is located in the logistics capital of China, one of the important birthplaces of Chinese civilization-Linyi, Shandong Province. With professional manufacturing experience and first-class comprehensive scientific and technological strength of the talent team, as the energy-saving compressor system leader and renowned in the industry.

We specialize in R & D and sales of power frequency, permanent magnet frequency conversion, two-stage compressor permanent magnet frequency conversion, low-voltage and mobile screw air compressor, screw blower and screw vacuum pump. With a deep industry background, one step ahead ambition.

The company warmly welcomes people from all around the world to visit the company to guide the establishment of a wide range of business contacts and cooperation. Choosing Linyi Atlas Air compressor Manufacturing Co., Ltd. is to choose quality and service, choose culture and taste, choose a permanent and trustworthy partner!

A Advanced screw rotor

The world's famous screw main engine, high efficiency, low speed, the rotor adopts the third generation 5:6 tooth profile, the world's best profile design, and low noise. Low energy consumption, low maintenance cost, best reliability and usability.



B Micro control system

1. The advanced microcomputer control drive system realizes intelligent control, variable speed control, automatic adjustment of air volume, load start, and soft start;
2. Elimination of current surges and extension of the service life of components, which greatly increases the reliability of the system;
3. Intelligent dynamic control, dynamic display of the working status of each component of the compressor, real-time and intuitive working curves of pressure, temperature and current;
4. Large memory 8M flash ROM+16M SDRAM can store thousands of historical fault records.



C Oil & Gas Filtration System

1. Filter adopts high-density filter material, surface nano-plating treatment, high filtration accuracy, effectively extending the service life of the compressor;
2. The filter element has uniform pore size, small filtration resistance, large flux, strong dirt interception ability and long service life;
3. The filter element has high cleanliness and no pollution to the filter medium;
4. Resistance to acid, alkali and other chemical solvents;
5. High strength, high temperature resistance and not easy to deform.



D Oil and gas separator

Large-capacity oil and gas separator, superior quality oil and gas separation elements and gas and liquid filter elements, equipped with advanced design of tertiary oil and gas separation, oil content is controlled below 3ppm, to ensure the high quality of compressed air;



E Intake valve

Advanced design air valve, air intake adjustment range 0-100%, capacity adjustment valve adjustment, low pressure loss, stable action, long life;



F Air filter

It adopts a design with high dust holding capacity and low flow resistance, which can filter out the tiny solid particles in the air, and the dust removal effect reaches 99.5%, ensuring the normal operation and economical service life of the various parts of the system.



G Efficient cooler

Adopt super large heat exchange area design to improve cooling efficiency, effectively prevent the machine from high temperature, and the inner wall is treated with anti-corrosion treatment to adapt to more severe working conditions and prolong service life



Stationary screw compressor >>>

Technical parameterf of Screw air compressor



One stage/Fixed speed/Variable speed
380V/415V 50Hz

Model	AT-10HP	AT-15HP	AT-20HP	AT-30HP	AT-50HP	AT-60HP
Motor Power	7.5	11	15	22	37	45
	1.2/0.7	1.71/0.7	2.3/0.7	3.8/0.7	6.4/0.7	8.5/0.7
	1.1/0.8	1.65/0.8	2.25/0.8	3.6/0.8	6.2/0.8	8.0/0.8
Capacity/Pressure (m3/min/MPa)	0.9/1.0	1.32/1.0	1.8/1.0	3.0/1.0	5.6/1.0	7.5/1.0
	0.8/1.2	1.1/1.2	1.6/1.2	2.6/1.2	5.0/1.2	7.0/1.2
Lubricating oil(L)	12	16	16	22	26	26
Noise db(A)	60-70±2	60-70±2	60-70±2	60-70±2	60-70±2	60-70±2
Length(mm)	780	1050	1050	1300	1470	1460
Width(mm)	600	700	700	850	1000	1000
Height(mm)	1020	1150	1150	1100	1380	1380
Weight(Kg)	215	335	335	465	630	825
Model	AT-75HP	AT-100HP	AT-125HP	AT-150HP	AT-175HP	AT-200HP
Motor Power	55	75	90	110	132	160
	10.5/0.7	13.2/0.7	16.2/0.7	21.0/0.7	24.6/0.7	31.0/0.7
Capacity/Pressure (m3/min/MPa)	10.0/0.8	13.0/0.8	15.8/0.8	20.0/0.8	23.0/0.8	30.0/0.8
	8.5/1.0	10.9/1.0	14.0/1.0	18.0/1.0	21.0/1.0	26.0/1.0
	7.6/1.2	9.8/1.2	12.8/1.2	16.0/1.2	18.8/1.2	22.0/1.2
Lubricating oil(L)	54	54	72	90	90	90
Noise db(A)	70-76±2	70-76±2	70-76±2	70-76±2	70-76±2	70-76±2
Length(mm)	1900	1900	1900	2020	2020	2360
Width(mm)	1250	1250	1250	1590	1590	1610
Height(mm)	1600	1600	1600	1810	1810	1860
Weight(Kg)	1130	1230	1325	1520	1710	1850

Technical parameterf of Screw air compressor



Two stage/Variable speed
380V/415V 50Hz

Power (KW)	22	37	45	55	75	90	110
Capacity/Pressure (m³/min/Mpa)	4.6-4.1/0.6-0.9	8.0-7.1/0.6-0.9	10.9-9.7/0.6-0.9	13.4-12/0.6-0.9	17.6-16.5/0.6-0.9	20/0.8	24/0.8
Lubricating oil (L)	18	54	72	90	90	110	110
Oil content	≤ 3-5ppm	≤ 3-5ppm	≤ 3-5ppm	≤ 3-5ppm	≤ 3-5ppm	≤ 3-5ppm	≤ 3-5ppm
Drive methord	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start way	VSD	VSD	VSD	VSD	VSD	VSD	VSD
Noisedb (A)	60~70±2	60~70±2	60~70±2	60~70±2	70~74	70~74	70~74
Length (mm)	1460	1900	1940	1980	2020	2666	2666
Width (mm)	1000	1250	1360	1470	1590	1730	1730
Height (mm)	1380	1600	1670	1740	1810	1918	1918
Weight (Kg)	730	1080	1980	2180	2280	3200	3360
Power (KW)	132	160	185	200	220	250	315
Capacity/Pressure (m³/min/Mpa)	20/0.8	33/0.8	40/0.8	43/0.8	47/0.8	54/0.8	63/0.8
Lubricating oil (L)	125	125	150	175	175	200	200
Drive methord	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start way	VSD	VSD	VSD	VSD	VSD	VSD	VSD
Noisedb (A)	80~84	80~84	80~84	80~84	80~84	80~84	80~84
Length (mm)	3000	3000	3200	3500	3500	3500	4300
Width (mm)	1800	1800	1800	2200	2200	2200	2400
Height (mm)	1918	1918	1918	2300	2300	2300	2350
Weight (Kg)	3800	4800	4800	5200	6500	6600	7500

Integrated screw compressor >>>

380V/415V 50HZ
Fixed speed/variable speed



Model	AT-10HP	AT-20HP	AT-30HP
Motor Power	7.5	15	22
Capacity/Pressure (m3/min/MPa)	1.1/0.8	2.25/0.8	3.6/0.8
		1.0/1.6	2.0/1.6
Tank (L)	400	400	500
Length(mm)	1450	1780	1840
Width(mm)	650	750	740
Height(mm)	1500	1730	1730
Weight(Kg)	550	600	650

Portable electric screw compressor >>>

380V/415V 50HZ



Model	AT40A	AT75A	AT75A	AT100A	AT100A	AT120A	AT120A	AT120A
No. of stage	1	1	2	1	2	1	2	1
Cooling Way	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling
pressure(bar)	8	8	8	8	8	8	8	14.5
Volume Flow (m³/min)	5	10	12	12.5	16	15.5	19.5	12
Power	30kw/IP55	55kw/IP55	55kw/IP55	75kw/IP55	75kw/IP55	90kw/IP55	90kw/IP55	90kw/IP55
Horsepower(HP)	40	75	75	100	100	125	125	125
Length (mm)	1730	2500	2500	2700	3100	2700	3100	2700
Width (mm)	900	1500	1500	1750	1600	1700	1600	1700
Height(mm)	1280	1700	1700	1800	2100	1900	2100	1900
Weight(Kg)	600	1300	1500	1500	1900	1600	2200	1600

Diesel portable compressor >>>

ZHONGHAI has its own ISO9001 and CE certified manufacturing facility that can modify a compressor to suit your needs. Even the toughest mine site specifications can be met. Below are a number of custom modifications that can be applied to your ZHONGHAI compressor.



1

Low fuel consumption, high reliability, long life, high torque engine.

2

Famous brand and high efficiency screw air end.

3

Advanced control technology controller

4

Efficient heat dissipation system, larger heat exchanger, speed up heat conversion.

5

12V battery pack

6

Emergency stop button

7

High quality air filtration

8

Sturdy and flexible tow bar

9

Strong and durable anti-skid tires

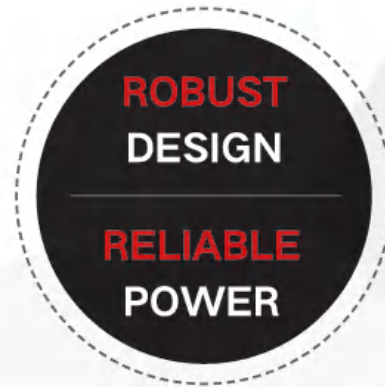
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Waterproof chimney

Maintenance Spare Partsw Screw compressor | Oil | Air filter | Oil filter | Oil separator |

Diesel engine | Lubricating oil | Oil and water separator | Fuel filter Coolant |

APPLICATION INDUSTRY >>>



General Construction

From residential and commercial construction to demolition and road maintenance, compressed air is essential on the job site to power the necessary tools. LATELAS offers compressors in a wide range of sizes to fit the airflow and pressure requirements of the job — all designed to be robust and reliable to meet the needs of tough, demanding construction environments.

APPLICATIONS: On construction sites, LATELAS portable air compressors are typically used to power hand-held pneumatic breakers, air guns, shotcrete equipment, pneumatic wrenches, nut runners and more. They are commonly used in applications such as building sites, road maintenance, bridges, tunnels, concrete pumping and shotcreting.

RECOMMENDED MODELS:

Nominal Working Pressure: 8–12 bar

Free Air Delivery Range: 2.5 to 12 m³/min (88 to 424 cfm)

Maximum Ambient Air Temperature: 50 °C (122 °F)

Other models are also used in specific construction applications.

ENGINEERED FOR HIGH PERFORMANCE

Latelas Compressors offer a wide range of air compressors to meet different industrial processes and applications, whether it is for different working pressure requirements for compressed air or for the most energy efficient compressed air quality. Ways to design to provide the most energy efficient air pressure equipment.



APPLICATION

INDUSTRY >>>



Dimension Stone Quarrying and Stabilization

Dimension stone quarries, stabilization projects and foundation excavation demand equipment that can stand up to hot, dust-filled working conditions. LATELAS compressors are designed to do just that. High-power engines deliver the power margin to work in tough environments. Large fuel tanks allow uninterrupted operation for a full work shift. Plus, an oversized cooler pack helps ensure reliable performance in high ambient temperatures. Mechanical compressor controls and mechanically controlled engines also make LATELAS compressors easy to use and service, which helps operators get to work fast and stay productive.

APPLICATIONS: LATELAS compressors provide portable power for pneumatic rock drills, block cutters, dewatering pumps and hand-held pneumatic breakers. They are suited for stabilization projects on roads and building sites, as well as basement and foundation excavation for apartment blocks and other buildings.

RECOMMENDED MODELS:

Nominal Working Pressure: 10 to 12 bar (150 to 170 psi)

Free Air Delivery Range: 10 to 18.4 m³/min (353 to 650 cfm)

Maximum Ambient Air Temperature: 50 to 53 °C (122 to 127 °F)

Other models are also used in specific dimensional stone quarrying and stabilization applications.



APPLICATION

INDUSTRY >>>

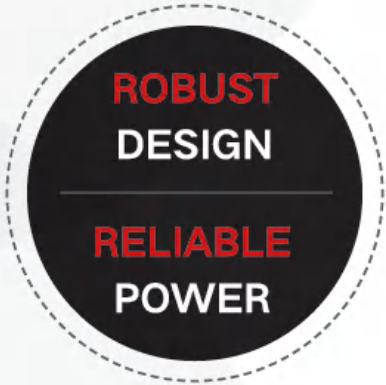
Abrasive Blasting

For large abrasive blasting jobs in shipyards and industrial sites, robust equipment is a must. Demanding applications such as sandblasting ships and steel require a high volume of air and equipment with extended working time. LATELAS compressors are the perfect match, with a range that's tuned to different blasting nozzle applications. Large fuel tanks also allow longer periods of uninterrupted operation, and an aftercooler option is available for moisture-free operation in dry ice blasting applications.

APPLICATIONS: LATELAS compressors are suitable for abrasive blasting applications such as deburring and preparing surfaces for painting, anodizing, welding and other processes that require a clean surface. They are often used on shipyards, steel construction and large renovation jobs.

RECOMMENDED MODELS:

- Nominal Working Pressure: 7 to 10 bar (100 to 150 psi)
- Free Air Delivery Range: 12 to 26.8 m3/min (424 to 946 cfm)
- Maximum Ambient Air Temperature: 50 to 53 °C (122 to 127 °F)
- Other models also used in specific abrasive blasting applications.



APPLICATION

INDUSTRY >>>



Blast Hole Drilling

From aggregate to cement to metal ore, blast hole drilling jobs are often located in tough, remote areas. These conditions require rugged equipment that's up to the task, and LATELAS has the solution. LATELAS compressors feature high-power engines to run reliably in high-temperature environments. Low ambient temperature and high-altitude starting aid options are available as well. Large fuel tanks also allow extended periods of uninterrupted operation, and the mechanical controls and components are easy to use and service for maximum uptime.

APPLICATIONS: LATELAS compressors provide portable power for rock drills, dewatering pumps and hand-held breakers. Common applications include aggregate production for construction stabilization, cement production in limestone quarries and open pit mining.

RECOMMENDED MODELS:

Nominal Working Pressure: 10 to 14 bar (150 to 200 psi)

Free Air Delivery Range: 16.1 to 26.8 m³/min (569 to 946 cfm)

Maximum Ambient Air Temperature: 53 °C (127 °F)

Other models are also used in specific blast hole drilling applications.



APPLICATION

INDUSTRY >>>



High Pressure Drilling

Water wells and geotechnical applications that require very deep drilling depend on high-powered air compressors to drive the drill rig. LATELAS compressors are designed to get the job done. They feature an efficient, fast-reacting speed regulator that delivers consistent outlet pressure for stable hammer/drill operation and a high penetration rate. High pressure ensures faster operation, while high flow ensures larger drill diameter. And high ambient temperature operation is standard for reliable performance in demanding conditions, job after job.

APPLICATIONS: The LATELAS range is suitable for Down The Hole (DTH) and rotary drilling, offering a comfortable operating zone for drill hole diameters from 4.5 to 8 in (11.4 to 20.3 cm). Common applications include drilling for water wells and foundations for high-rise buildings, as well as geotechnical/geothermal applications.

RECOMMENDED MODELS:

- Nominal Working Pressure: 17 to 23 bar (250 to 330 psi)
- Free Air Delivery Range: 21.8 to 34 m3/min (770 to 1,308 cfm)
- Maximum Ambient Air Temperature: 50 to 56° C (122 to 133 ° F)



PRODUCT SPECIFICATIONS >>>

MODEL		SUPC50-8	SUPC75-8	SUPC75-10	SUPC160-10	SUPC160-13-II	SUPC190-13	SUPC190-15
				Machine				
Free air delivery	m³/min	4.5	6	5	12	15	15	13
	cfm	160	215	178	428	535	535	465
Normal working pressure	bar	8	8	10	10	13	13	15
	psi	118	118	147	147	191	191	220
Dimentions (withou twobar) (mm)	Length	2500	2500	2500	3200	3200	3500	3500
	Width	1750	1750	1750	1600	1600	1750	1750
	Height	2100	2100	2100	2000	2000	2200	2200
Weight	Kg	1150	1150	1150	2200	2350	2500	2500
Wheel qty		2	2	2	4	4	4	4
Size and No. of outlet value		G1"*2	G1"*2	G1"*2	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1
				Diesel				
Brand		XICHAi	XICHAi	XICHAi	YUCHAI	YUCHAI	YUCHAI	YUCHAI
Model		4DW91-50GBG3U	4DW93-75GG3U	4DW93-75GG3U	YC4A160-H300	YC4A160-H300	YC6J190-H300	YC6J190-H300
Rated power	Kw	36.8	55	55	118	118	140	140
	hp	50	75	75	160	160	190	190
No. of cylinders		4	4	4	4	4	6	6
Engine speed	rpm	2650	2400	2400	2200	2200	2200	2200
Oil capacity	L	5	7	7	11	11	15	15
coolant capacity	L	30	30	30	60	60	75	75
Battery	V	12	24	24	24	24	24	24
Fuel tank capacity	L	100	100	100	180	180	180	180

PRODUCT SPECIFICATIONS >>>

MODEL		SUPC190-17	SUPC190-15-II	SUPC220-15	SUPC220-13-II	SUPC220-16-II	SUPC220-17-II	SUPC260-15-II
				Machine				
Free air delivery	m³/min	10	15	15	17	15	13	22
	cfm	357	535	535	608	535	465	786
Normal working pressure	bar	17	15	15	13	16	17	15
	psi	250	220	220	191	235	250	220
Dimentions (withou twobar) (mm)	Length	3500	3500	3500	3500	3500	3500	3700
	Width	1750	1750	1750	1750	1750	1750	1900
	Height	2200	2200	2200	2200	2200	2200	2350
Weight	Kg	2500	2650	3100	3200	3200	3200	3500
Wheel qty		4	4	4	4	4	4	4
Size and No. of outlet value		G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1
				Diesel				
Brand		YUCHAI	YUCHAI	YUCHAI	YUCHAI	YUCHAI	YUCHAI	YUCHAI
Model		YC6J190-H300	YC6J190-H300	YC6J220-T300	YC6J220-T300	YC6J220-T300	YC6J220-T300	YC6A260-H300
Rated power	Kw	140	140	162	162	162	162	191
	hp	190	190	220	220	220	220	260
No. of cylinders		6	6	6	6	6	6	6
Engine speed	rpm	2200	2200	2200	2200	2200	2200	2200
Oil capacity	L	15	15	20	20	20	20	24
coolant capacity	L	75	75	90	90	90	90	110
Battery	V	24	24	24	24	24	24	24
Fuel tank capacity	L	180	180	220	220	220	220	220

PRODUCT SPECIFICATIONS >>>

MODEL		SUPC260-17-II	SUPC260-22-II	SUPC300-13-II	SUPC300-17-II	SUPC300-25-II	SUPC420-25-II	SUPC430-24-II	SUPC500-25-II
Machine									
Free air delivery	m³/min	17	14	28	22	17	25	29	33
	cfm	608	500	1000	786	608	893	1035	1180
Normal working pressure	bar	17	22	13	17	25	25	24	25
	psi	250	324	191	250	368	368	353	396
Dimentions (withou twobar) (mm)	Length	3700	3700	3900	3900	3900	3600	3600	3600
	Width	1900	1900	2000	2000	2000	2000	2000	2000
	Height	2350	2350	2400	2400	2400	2500	2500	2500
Weight	Kg	3500	3600	4000	4100	4200	4500	4600	4700
Wheel qty		4	4	4	4	4			
Size and No. of outlet value		G1"*1 G1 1/2"*1	G1"*1 G1 1/2"*1	G1"*1 G2"*1	G1"*1 G2"*1	G1"*1 G2"*1	G1"*1 G1 1/2"*1 G2 1/2"*1	G1"*1 G1 1/2"*1 G2 1/2"*1	G1"*1 G1 1/2"*1 G2 1/2"*1
Diesel									
Brand		YUCHAI	YUCHAI	YUCHAI	YUCHAI	YUCHAI	YUCHAI	YUCHAI	玉柴
Model		YC6A260-H300	YC6A260-H300						YC6K560-KT31
Rated power	Kw	191	191	221	221	221	309	320	375
	hp	260	260	300	300	300	420	430	500
No. of cylinders		6	6	6	6	6	6	6	6
Engine speed	rpm	2200	2200	2000	2000	2000	1900	1900	1900
Oil capacity	L	24	24	28	28	28	32	32	32
coolant capacity	L	110	110	140	140	140	180	180	180
Battery	V	24	24	24	24	24	24	24	24
Fuel tank capacity	L	220	220	280	280	280	400	400	400

MAINTENANCE

SCHEDULES >>>



Instructions

- ☞ Portable screw air compressor should be de-posed level,ensure the angle of the tilt is not more than 15°.
- ☞ Before operation,please check the oil of screw air end,diesel.We need replace the diesel if it is metamorphism;The volume of the antifreeze is reaching the line or not,The connection of the battery and start motor is reliable or not.
- ☞ If the machine is not operation a long time, please check the oil of screw air end, diesel. We need replace the diesel if it is metamorphism, The power of the battery is enough or not. Raise 1.5L screw oil form the inlet.
- ☞ Start the air compressor:turn on the switch of the battery;Turn the key from off to on on the control panel;Click the start switch if there is no warning on the control panel.Release the start switch after the diesel engine be running;The operation time can't lasting more than 5S.If the operation is failed,restarting after 15S.It's failed after 3 times,we need find the reasons(the temperature is low;the power of the battery is not enough;the diesel is not supplied),restart the machine after the checking the three parts.
- ☞ Stop the air compressor:close the outlet value, turn the switch from the load to unload on the control panel,click the stop switch after 1-2 minutes.Put off the key;turn off the switch of the bat-tery;
- ☞ The accessories of the air compressor should be provided by our company or the supplier we have assigned.The screw oil should be assigned by us,using 2 brands screw oil is prohibited.

Maintenance Schedules

Item	day	50h	3months 250h	6months 500h	12months 1000h
Air filter	Inspect			Replace	
Diesel filter	Inspect		Replace		
Diesel engine oil filter		First Maintenance	Replace		
Compressor oil filter				Replace	
Oil-water separator filter					Replace
Diesel engine oil	Inspect	First Maintenance	Replace		
Compressor oil	Inspect			Replace	
Diesel engine coolant	Inspect				Replace

Inspect First Maintenance Replace

Prompt:Please shorten the maintenance time if the environment is bad,other maintenance items,read the air compressor and diesel engine maintenance book.

DISTRIBUTOR: