Bolaite Air Compressor
High efficiency, Energy saving, Environment-friendly, Exquisite
Bolaite-Simply Your Best Choice!

Bolaite（Shanghai）air compressor Co., Ltd. is a wholly-owned subsidiaries invested by of Atlas Copco Group. We own the top technology and management in global fields from our group. By the rich experience for world market, we have been dedicated to improving and promoting the latest air compressor for all kinds of fields according to the different working condition. And then keep researching and developing the new products through the large scale users experience. Our product is strictly assembled according to the European classical assembling line, the core components are imported by original and obtains many approvals from some international organizations.

Our products cover: stationary double screw air compressor (5.5kw-355kw), explorer series portable screw air compressor, all kinds of relevant air purification equipment.
High efficient air end:
Screw air end is the core of screw air compressor, its performance directly influence the economy and use cost of the whole machine.
Bolaite compressor adopts the air end original from Atlas Copco. Advanced Atlas Copco patent SPA shape of screw gear, the most superior screw line speed and compression efficiency, decrease the shake of the whole machine to the fullest extent, and prolong the life of moving parts effectively. The compressor is matched with high-precision SKF bearing. The precise and even bite clearance ensures leak tightness, making sure the compressor become less power dissipation and lower energy consumption under the same working conditions, and achieve goals as following:
• Larger air capacity
• Higher efficiency
• More stability and reliable
• Longer service life

High quality air end and bearing:
High quality air end and bearing contribute to high stability of compressor under changeable conditions. Make the compressor adapt to the changeable of loading and prolong the service life of rotors:
• Low running speed decreases the abrasion of bearing.
• Low running temperature let down the load of bearing.
• High precision bearing prolong the service life.
Air end and electric motor being permanently centered:
BLT series compressor combines the electric motor, gear case and air end. Such design makes the air end and electric motor be permanently centered. High efficiency and full closed electric motor (IP54).

Unit kit—Flexible joint:
Compared with traditional flanged joint, the flexible joint has its incomparable characteristics and advantages.
- Solve the system flexible problem and relieve the shake of unit effectively.
- Solve pipe’s expand when heated and contract when cooled effectively, and saved the installation of the metal expansion joint.
- With tight and graceful structure, save installation space.

Double air end compression:
- Two single compression rotor set was installed in the same gear case.
- Bearing, rotors, and gear with small load and long service life.
- Reliable and economic.
- Low rotation speed, long service life and high efficiency.
Display system (Equip with English display system):
— Entire system performance condition display, predictable maintenance index, fault alarming and safe shut-down.
— All the test and control functions are centre on the same interface.
— It can provide the possibility of widely communication.
— It can integrate into various technical controlling systems (Assembly system on site)
Stable microcomputer controlling:
— Standardized design.
— The selected high-tech microcomputer processor can adjust the load of air compressor automatically according to the air capacity in demand.
— Professional wiring interface is reasonable, brief, clear and easy to maintain.
— SCHNEIDER electric elements.
— Strong fault diagnosis and protection functions make the air compressor run more reliable and save more electricity.

BLT rotor lubricants:
— Strong oxidation resistance resists the increase of oil viscosity, production of carbon deposition and the oil film, and blockage of oil air separator. It can extend the air compressor’s time interval of maintenance. Under crucial environment, air compressor oil of BLT rotor lubricants synthetic type last 4 times longer than normal mineral lubricants.
— BLT rotor lubricants adapt to a wider range of use temperature. It can be used in the environment of higher oil temperature and air discharge temperature. At the same time, start of the compressor can be quite smooth under low temperature.
— BLT rotor lubricants are lower volatile than normal mineral lubricants. It can decrease the consumption of oil and increase the quality of compressed air.
— High quality synthetic air compressor lubricants specially adapt to be used for main air compressor in factory and be used in situation of abominable environments.
Example: BLT 150A – 175A

Original air end:
Air end of BLT series compressor has the optimal screw line speed and high compressed efficiency, saving more than 5% energy than similar products in the market.

Safety valve:
Reliable safety valve ensures the safety of system.

High quality electric motor:
High quality and efficiency electric motor, F class insulation, even can work normally under poor working conditions.

Elastic direct driven system:
Original elastic coupling direct driven combines the electric motor and air end, which makes the air compressor in high driven efficiency and runs stably.

BLT375W – 475W (6kV/10kV)
**Air inlet valve:**
Configured original air inlet valve assembly makes the compressor more energy-saving and higher reliability.
- It can adjust the air volume automatic according to the air consumption of system in demand it also ensures the equipment running stable, decreases the running charges and saves energy.
- Full-automatic loading and unloading are reliable and effective. It has functions of non-load starting, electric motor overloading shut-down protection; automatic shut-down for energy-saving when too long non-loading, shut-down delay protection, lack phase or anti-phase protection and shut down protection when the air discharge temperature is too high.

**Original filters:**
- High efficiency original filter
- Dust removal efficiency 99.9%.
- Ensure air end of air compressor dustproof effectively.
- Prolong the service life of air system.

**High efficient oil filters:**
- Adopt the original overhung-type oil filters, with 20% higher effect and filter accuracy up to 9 micron, provide the air end better protection.
- Longer service life

**Minimum pressure valves:**
- Original imported minimum pressure valves are reliable and stable, ensure the needed minimum pressure for circulating lubricating oil when it start or unload.

**High efficient cooler (water cooling):**
- Small volume, large heat interchanging area.
- High efficiency, small pressure loss.
Three stage oil air separate system:
— Three stage oil air separate system (Centrifugation, gravitation, accurate separation) with highly efficient oil air separator inside, ensures the oil content of compressed air lower than 3 ppm.

High quality temperature control valve:
— Maintenance free reliable products, control the temperature of lubricants into air end, prolong the service life of lubricants and ensure the safety.
— World famous brand, original imported.
Remote control function (optional)
During the network of computer monitoring, the computer is the main engine set and the running controller of air compressors is the subordinate engine set. The computer checks the running parameters of each air compressor in turns. After its analysis and calculation, then get the working pressure, exhaust temperature, current and the running status of air compressors, and then indicates the result for reference. According to the datas, the user can send the controlling order to the air compressor controller. That realizes the remote monitoring for running air compressors. And the user can conveniently check and set the parameters of air compressors by the interface.

Multi-compressor combines to control function (optional)
We can set the function of multimachine controlling in the intellectual controller; the user can use the team of air compressors according to the air delivery and pressure cycling to ensure the average running time.

Communication function (optional)
We can set the communication function in the intellectual controller, and transmit the parameters in the intellectual controller from RS485 to PC center of controlling, and then simultaneously monitoring the multi air compressor will save cost of management largely for user.
In practice, the pressure of air compressor is just one of pointers measuring air compressor. The specific pressure everywhere of system is the genuine standard to judge if you have a reliable, high efficient and economic compressed air source. In Bolaite, we recognize to produce and design the air compressor and system according to each pressure point in the system, we have the optimal product design scheme.

When designing and developing BLT series screw air compressor, we considered each problem you will concern during the production in practice:

- What measures we should adopt to make the best performance of running system.
- Supply the real value not useless decoration.
- Least maintenance for our air compressor.
- We need the lowest noise in order to place the air compressor in the nearest position to using air.
- We decrease the running charges by all kinds of ways.
- We need to save the floor space.
- We ensure the credibility of air compressor for a long time.

Example: BLT 175W

Each BLT series air compressor is designed and produced for considering the above problems during the production in practice, and displaying the credibility of performance and product value.
Complete service

- Design reasonable and economic air compressor station for customers, supply the clean compressed air.
- Supply excellent consult before sale, whole machine sale, spot maintenance, spare parts in time.
# Bolaite Electric Stationary Screw Air Compressor

## 7A-100A/W

### Air discharge/Working pressure

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>m³/min/Mpa</td>
<td>0.85/0.7</td>
<td>1.35/0.7</td>
<td>1.95/0.7</td>
<td>2.25/0.7</td>
<td>3.20/0.7</td>
<td>3.80/0.7</td>
<td>4.75/0.7</td>
<td>6.80/0.7</td>
<td>7.80/0.7</td>
<td>10.50/0.7</td>
<td>13.50/0.7</td>
<td>10.80/0.7</td>
<td>13.80/0.7</td>
</tr>
<tr>
<td></td>
<td>0.75/0.8</td>
<td>1.25/0.8</td>
<td>1.80/0.8</td>
<td>2.15/0.8</td>
<td>3.00/0.8</td>
<td>3.60/0.8</td>
<td>4.50/0.8</td>
<td>6.28/0.8</td>
<td>7.30/0.8</td>
<td>9.80/0.8</td>
<td>13.00/0.8</td>
<td>10.00/0.8</td>
<td>13.30/0.8</td>
</tr>
<tr>
<td></td>
<td>1.10/1.0</td>
<td>1.58/1.0</td>
<td>1.95/1.0</td>
<td>2.70/1.0</td>
<td>3.20/1.0</td>
<td>4.25/1.0</td>
<td>5.60/1.0</td>
<td>6.60/1.0</td>
<td>8.80/1.0</td>
<td>11.80/1.0</td>
<td>9.00/1.0</td>
<td>12.10/1.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.96/1.2</td>
<td>1.30/1.2</td>
<td>1.60/1.2</td>
<td>2.30/1.2</td>
<td>2.80/1.2</td>
<td>3.75/1.2</td>
<td>4.60/1.2</td>
<td>5.70/1.2</td>
<td>8.00/1.2</td>
<td>10.00/1.2</td>
<td>8.20/1.2</td>
<td>10.20/1.2</td>
<td></td>
</tr>
</tbody>
</table>

### Compression stage

<table>
<thead>
<tr>
<th></th>
<th>Single stage compression</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cooling mode

<table>
<thead>
<tr>
<th></th>
<th>A-Air cooling</th>
<th>W-Water cooling</th>
</tr>
</thead>
</table>

### Discharge temperature

- The environment temperature +15°C (Air cooling) < 40°C (Water cooling)

### Noise Level

<table>
<thead>
<tr>
<th>dB(A)</th>
<th>62±2</th>
<th>62±2</th>
<th>63±2</th>
<th>63±2</th>
<th>64±2</th>
<th>64±2</th>
<th>65±2</th>
<th>65±2</th>
<th>66±2</th>
<th>68±2</th>
<th>72±2</th>
<th>68±2</th>
<th>72±2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Transmission mode

<table>
<thead>
<tr>
<th></th>
<th>Belt driven</th>
<th>Direct driven</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Power supply

<table>
<thead>
<tr>
<th>V/Ph/Hz</th>
<th>380/3/50(also can be changed as customers’ requirement)</th>
</tr>
</thead>
</table>

### Motor power

<table>
<thead>
<tr>
<th>KW</th>
<th>5.5</th>
<th>7.5</th>
<th>11</th>
<th>15</th>
<th>18.5</th>
<th>22</th>
<th>30</th>
<th>37</th>
<th>45</th>
<th>55</th>
<th>75</th>
<th>55</th>
<th>75</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Stating model

<table>
<thead>
<tr>
<th></th>
<th>Direct start</th>
<th>Y-▲ Start</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### External dimensions

<table>
<thead>
<tr>
<th>L mm</th>
<th>630</th>
<th>950</th>
<th>950</th>
<th>950</th>
<th>1100</th>
<th>1100</th>
<th>1100</th>
<th>1335</th>
<th>1335</th>
<th>1585</th>
<th>1585</th>
<th>1585</th>
<th>1585</th>
</tr>
</thead>
<tbody>
<tr>
<td>W mm</td>
<td>620</td>
<td>650</td>
<td>650</td>
<td>650</td>
<td>865</td>
<td>865</td>
<td>865</td>
<td>970</td>
<td>970</td>
<td>1170</td>
<td>1170</td>
<td>1170</td>
<td>1170</td>
</tr>
<tr>
<td>H mm</td>
<td>755</td>
<td>855</td>
<td>855</td>
<td>855</td>
<td>1145</td>
<td>1145</td>
<td>1145</td>
<td>1630</td>
<td>1630</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
</tr>
<tr>
<td>Weight Kg</td>
<td>128</td>
<td>251</td>
<td>282</td>
<td>315</td>
<td>410</td>
<td>415</td>
<td>465</td>
<td>780</td>
<td>830</td>
<td>1180</td>
<td>1260</td>
<td>1170</td>
<td>1250</td>
</tr>
</tbody>
</table>

### Outlet pipe diameter

- G3/4”
- G3/4”
- G3/4”
- G1”
- G1”
- G1 1/2”
- G1 1/2”
- G2”
- G2”
- G2”
- G2”

### Inlet water pipe diameter

- G3/4”
- G3/4”
- G1”
- G1”
- G1”
- G1”
- G1”
- G1”
- G1”
- G1”
- G1”
- G1”
## Model BLT-120A/W - BLT-475W

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Air discharge/Working pressure</td>
<td>m³/min/Mpa</td>
<td>17.10/0.7</td>
<td>21.00/0.7</td>
<td>24.10/0.7</td>
<td>29.00/0.7</td>
<td>34.00/0.7</td>
<td>36.80/0.7</td>
<td>45.00/0.7</td>
<td>50.70/0.7</td>
<td>59.00/0.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16.90/0.8</td>
<td>20.00/0.8</td>
<td>23.60/0.8</td>
<td>28.50/0.8</td>
<td>31.50/0.8</td>
<td>35.00/0.8</td>
<td>43.50/0.8</td>
<td>50.00/0.8</td>
<td>58.00/0.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14.60/1.0</td>
<td>17.00/1.0</td>
<td>20.50/1.0</td>
<td>26.50/1.0</td>
<td>28.50/1.0</td>
<td>32.00/1.0</td>
<td>39.00/1.0</td>
<td>42.00/1.0</td>
<td>49.00/1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12.60/1.2</td>
<td>14.80/1.2</td>
<td>17.80/1.2</td>
<td>22.50/1.2</td>
<td>26.50/1.2</td>
<td>29.00/1.2</td>
<td>35.00/1.2</td>
<td>41.50/1.2</td>
<td>42.00/1.2</td>
</tr>
</tbody>
</table>

### Compression stage
- Single stage compression

### Inlet water temperature
- °C
- ≤ 32

### Water inlet pressure
- Mpa
- 0.2~0.6

### Voltage
- V/Ph/Hz
- 380/3/50(also can be changed as customers' requirement)

### Cooling mode
- A-Air cooling
- W-Water cooling

### Discharge temperature
- °C
- < The environment temperature +15 °C (Air cooling)
- < 40 °C (Water cooling)

### Noise Level
- dB(A)
- 72±2
- 75±2
- 75±2
- 75±2
- 75±2
- 75±2
- 82±2
- 82±2
- 82±2

### Transmission mode
- Direct driven

### Motor power
- KW
- 90
- 110
- 132
- 160
- 180
- 200
- 250
- 280
- 315
- 355

### Stating model
- Y-▲
- Start

### External dimensions
| L mm | 1710 | 2476 | 2476 | 2650 | 2650 | 2650 | 2800 | 3746 | 3746 | 3746 |
| W mm | 1170 | 1526 | 1526 | 1720 | 1720 | 1720 | 2000 | 2086 | 2086 | 2086 |
| H mm | 1800 | 1800 | 1800 | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 |

### Weight
- Kg
- 1450
- 2200
- 2400
- 3500
- 3500
- 3500
- 4100
- 7000
- 7000
- 7000

### Outlet pipe diameter
- inch
- G2”
- DN65
- DN65
- DN80
- DN80
- DN80
- DN125
- DN125
- DN125

### Cooling water inlet and outlet pipe diameter
- inch
- G1”
- G1 1/2”
- G1 1/2”
- G2”
- G2”
- G2”
- G2”
- G2”
- G2”
Air cooling flow diagram

1. air filter
2. air inlet valve
3. air end
4. non-return valve
5. oil air separator element
6. oil
7. oil-air tank
8. minimum pressure valve
9. oil filter
10. after cooler
11. oil cooler
12. ball valve
13. air outlet

controlling line
air inlet pipe
oil pipe
air pipe
oil/air mixture
Water cooling flow diagram

1. air filter
2. air inlet valve
3. air end
4. non-return valve
5. oil air separator element
6. oil
7. oil-air tank
8. minimum pressure valve
9. oil filter
10. after cooler
11. water inlet pipe
12. ball valve
13. air outlet
14. water outlet pipe
15. oil cooler
16. temperature controlling valve
Promise for excellent after sales
Our company has a professional team for after sales. We will supply the technical support any time after receiving the customers’ consult. We promise to provide the original parts of high quality at reasonable price. Our excellent service gets the compliment from customers all over the world.

Bolaite air compressor spare parts anti-counterfeit label
In order to make your air compressor runs normally, original components are used necessarily. Using fake spare parts will easily cause the machine breakdown and bring the loss to you. Shanghai Bolaite air compressor Co., Ltd. adopts the anti-counterfeit label on some parts easy to counterfeit and help customers to distinguish the parts are genuine or false.

In order to ensure you can purchase the original spare parts, please contact with local Bolaite service center or authorized dealer.
Protect your investment, let you rest assured:
BOLAITE is an industry leader in the same time, always focuses on customer communication, innovation technology, devotes self to develop new products and before/after-sales customer experiencing. Our products cover minimum 5.5kw to the biggest 355kw, the high quality stationary screw compressors, variable-frequency screw compressors, explorer series movable screw compressor and matched sets of compressed air purification equipment.

Genuine parts
Only use Shanghai Bolaite company quality goods fittings and service, can maximum guarantee the normal operation of the air compressor units and normal life.
Our company has been used the security labels on some easy to counterfeit spare parts, help customers identify the authenticity of spare parts.

After service
At present the sales service network in the world including Asia, Europe, North America, South America, Africa, Oceania, etc.
Pictures of air compressor for reference: