





AIR COMPRESSOR



**Spread Brand; Enhanced value,**

**Innovated Technology; Rank first.**

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The advanced production technology is the powerful guarantee of quality.

To master more advanced technology means covering more market at present while the technology changes with each passing day.

The biggest energy saving is derived from the highest efficiency to reassure careful, safety achievements.

#### High Reliability

#### Perfect 6-steps quality test system

- Three dimensional design

UNICAL'S products are designed upon actual working condition

- Parts of the accelerated life test

All the parts should take accelerated life test.

- The performance test

Complete test according to ISO and GB standard

- Simulation test

Simulation conditions harsher than the actual condition to test the durability of the machine.

- The field test

After all test finished, we make field test in different environment of our different customers.

- The factory test

Make performance test to every machine in different working conditions according to high standard requirement to assure every machine to be safe and reliable..

#### Low Noise

Special design of the airend housing to maximize reduce noise Design and manufacture the muffler and low rotation speed centrifugal fan, in reference to simulate the flow of cooling air, thus successfully reduce the noise produced by the air friction.

High density muffler, can keep noise to a minimum.

Specially designed quick ventilation valve eliminates the discharge noise



#### Energy Saving

Newly developed airend by Unical with big screw rotor, to achieve the best space combination between rotors processed by high precision grinding machine

- The highest level of displacement in the world
- Motor and the speed of the rotor always synchronized 1:1
- With big rotor, low speed, designed according to the highest efficiency point of the rotors direct driven, gearless design which can reduce consumption loss
- High efficient centrifugal fan
- Energy intake valve system

#### Humanization Layout

Humanized installation structure and easy maintenance greatly save maintenance time

- with movable hinged door
- Rotary cover of oil barrel, , minimal use of screw and nut
- Oil barrel with O ring, and other small parts for replacement, cooler is easy to remove and clean
- This assures customers' safe use and easy maintenance, and its convenient to clean the machine.



#### High-Efficiency Motor

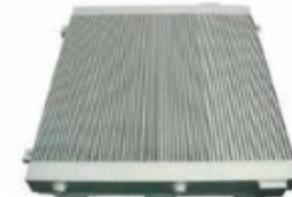
All the motors used on UNICAL screw compressors are produced by professional motor factory according to high level standard, especially to the special treatment to the part on variable frequency motors. Its strong power take-off, low working temperature and low energy loss makes the motor has enough temperature allowance and high working stationarity. To ensure the compressor's trouble-free operation for long time, reducing the risk of burnt by motor jumping.

Adopting top best procession equipments and all function tests. The beat of testing axle is controlled 0.02mm to ensure the vibration of the motor and bearing's life. We using imported SKF bearings. Its high IP class can prevent efficiently the dust and water enter into the motor, thus largely extend the life of the product .



#### High Efficiency Energy-saved Screw Airend

By using top technology newly designed rotors. The improved sealing line between rotors get a maximized volume efficiency, keeping improve rotors molded line and inner construction, precision production. The rotors are made by special steel for strength. It supplies the top-level discharged volume and durability in the world. Unique bearing spread pattern: by using ball bearings at the outlet, it gives a safe factor like a trap to the load from radial and axial direction, efficiently control the rotors play, extend largely the air end's service life. The advanced lip style shaft seal and shaft sleeve matching with the lip of the shaft seal are all made by super precision grind process technology to help in prevent the leakage inside and outside. It can work permanently except artificially damaged.



#### Cooling System

The cooling system of copying the air movement ensures the temperature inside the machine, keeps the discharge temperature being steady.

We designed a high temperature lab through research. The new products can be tested under harsher environment to ensure its normal work. The strong adaptation cooling fan and motor make the machine can work under 50 of environment temperature.

The coolers be used on compressor over 110KW are designed as an combination of three parts. So it can get lighter weight, easy maintain, reduced maintenance charges.

The good material and aluminum made fin ensure the cooler's pressurization and good heat dissipation.



#### Centrifugal Fan

Six pole motor, low noise, high energy saving, big blast capacity, good cooling result, not easily block

#### Energy-saved Inlet Valve System

High efficient control to air volume

Combination of solenoid valve, air release valve and valve body; combine the functions of unloading, in-taking and air release, and be adjustable of air volume in unloading, in-taking and releasing.

There also has specially designed quick ventilation valve eliminating the unloading noise.

#### Air Filter

The compressor suction the environment air largely, the air filter can prevent the dust in the air into the machine, taking pivotal role to the good working of the oil separator, lubrication oil, air end, radiator and solenoid valve. But a lot of dust can not be seen by eyes, bad quality material filters can not prevent the small particle dust enter into the machine system, after a period of time, cracking lubrication oil causes bad working of machine, suffering a lot of loss. Unic adopts the best air filter materials, using two stages of treatment which are dust screen and precise filters, to ensure the in-taking air being clean.



#### Energy-saved Flexible Direct-Driven

##### Transmission at the rate of 1:1

The elastic coupling and centre housing connect the motor and air end together. The speed of the motor and rotors keep the same, no transmission loss. The connection between motor and air end is flexible. The reliable connection ensures that the shaft of motor and shaft of air end keeps aligning permanently while in transportation, installation and operation, reducing the start torque, achieving the lowest energy consumption and service life prolonged.



#### Super Lubrication Oil

Comparing normal lubrication oil, super lubrication oil has highlight advantages.

Excellent separation character makes the oil content of the compressed air to the bottom, The heat conductivity makes the temperature of the machine to the lowest, improved the efficiency and reliability of the compressor. The super coolant doesn't contain carbon and hydrogen. It can eliminate the residue in the course of oxygenolysis, efficiently extend the maintenance interval to the machine.



#### Easily-Maintained Belt- Driven Transmission

The small power compressors use belt-driven transmission. It can take the effect in easy pressure adjustment , over-loading protection, easy replacement of shaft seals of motor and air end.



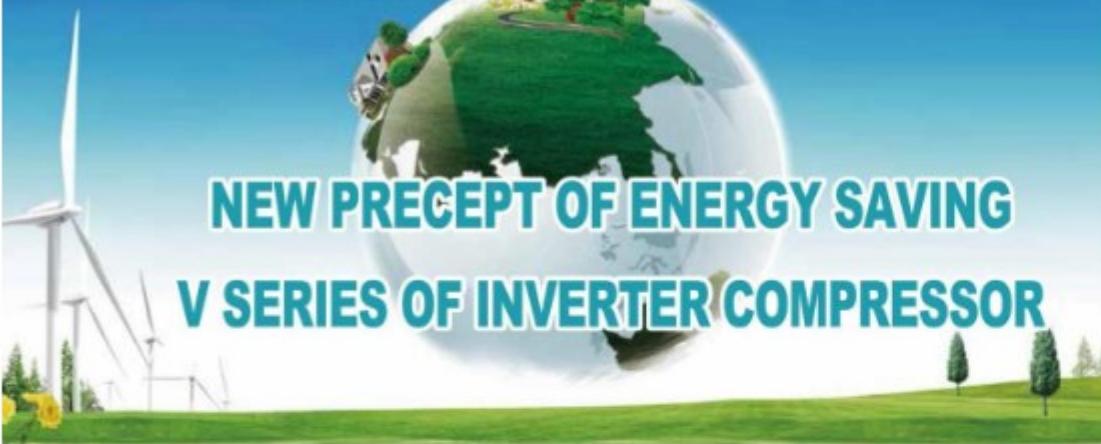
#### 3-Stage Oil Separator System

**The first stage:**  
Whirlwind inertial separation in the oil barrel

**The second stage:**  
Airflow impact separation at the bottom of the oil separator

**The third stage:**  
The compressed air will be separated through super precise oil separator, the clean air being out from the oil barrel, oil content smaller than 2ppm.





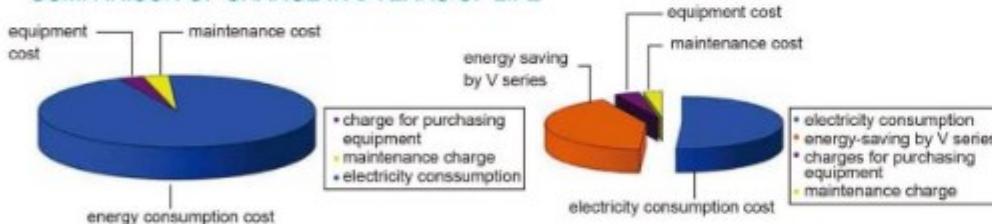
### Speed changing driven: reduce energy consumption

Energy conservation is the biggest advantage of the inverter compressor--especially when the fluctuation of air consumption by user is bigger, this advantage will be more obvious.

The energy consumption cost of the compressor covers more than 60% of its periodic working cost. The cost of producing compressed air covers about more than 40% of the total electric charge of the factory. The air demand in most of production environment will fluctuate widely in different time of every day, different day of every week or different month of every year. The compressed air supplied by inverter compressor can meet accurately the demand of user. When the user's air consumption reduce, the air displacement reduce , thus the energy consumption reduces accordingly.

The key characteristic of the inverter compressor is to reduce the energy consumption to the minimum by reducing the energy consumption when unloading.

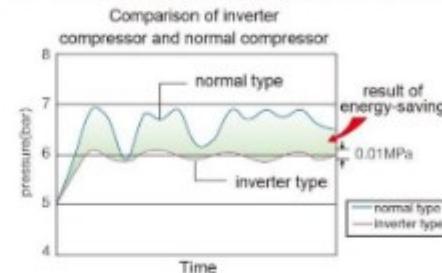
### COMPARISON OF CHARGE IN 5 YEARS OF LIFE



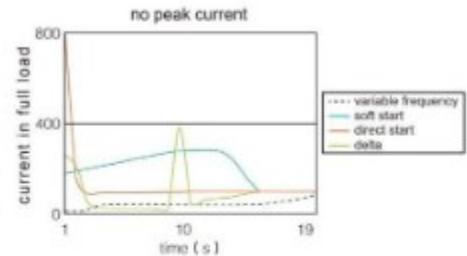
### WORKING PRINCIPLE OF INVERTER COMPRESSOR

The unit of inverter compressor controls the pressure in the users system, its control system is composed by frequency changer, pressure sensor and variable frequency motor. The pressure value can be set by the operation panel directly. The system pressure can be tested by the pressure sensor, then change to be 4-20mA, and feedback to the controller. The controller will calculate by PID, and compare with the set working pressure value, thus control the output frequency of the frequency changer, change the rotating speed of the main motor, to ensure the amount of displaced air meeting with the demand of the factory , to achieve the goal of energy-saving and supply compressed air in constant pressure.

### BY CONSTANT PRESSURE CONTROL TO SUPPLY REQUIRED COMPRESSED AIR



It can take accurate control of stable pressure below the range of 0.01Mpa of pressure change, to supply the necessary and appropriate amount of air upon the pressure of the machine. Moreover, the precision of the set value can be 0.01Mpa., this achieves the goal of energy saving in maximum.



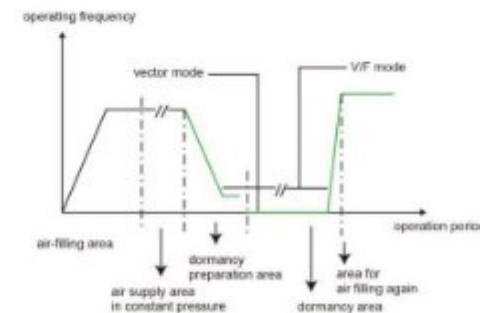
Soft start, no peak current  
The soft start of frequency changing eliminates the peak current when start, avoid the impact of power grid. Through adjustment of rotating speed in every stage, avoid the impact of the electric current, improve its flexibility.

### HIGH PERFORMING VECTOR CONTROL

Real vector control inverter: Start in low frequency, big moment of force, small working electric current.

The inverter has the function of dormancy. When the air consumption is small, it sleeps, and wakes up automatically. It has no process of long time operation under lower limit of frequency , to realize energy saving.

By adopting vector control technology, the machine can get an appropriate torque to drive the machine working steadily within a large range of rotating speed in minimum temperature rise of motor. The vector control technology can separate the two vectors which are excitation and torque contained by the stator current, control them separately. Then compound them and change to be control signal of inverter parameter to achieve the control to electromagnetic torque. This can ensure the motor's normal work under lower temperature even in lower speed.



### Switch over between power frequency and frequency conversion

Our normal inverter compressor equipped with power frequency starter for standby application, in case there has trouble in the inverter.

## PLC INTELLIGENT CONTROL SYSTEM

**Linkage control:** It can set one of the compressors as main one, others as slaves, to realize linkage control of several compressors, ensuring the economic and steady supply of compressed air.

**Remote control:** By connecting the computer or DCS with the communication interface on UNI-CAL's intelligent controller, control the unit of compressor remotely.

**Extended function:** Touch screen controller can be selected. It shows dynamically the operation condition of the compressor, operation being easier. GSM modem can be selected, when there has trouble in the compressor or pre-alarm, it can send message to appointed mobile. This function not only adds the reliability of condition monitoring, but also reduces the manager's duty load.



Air-solution:  
Computer display monitor

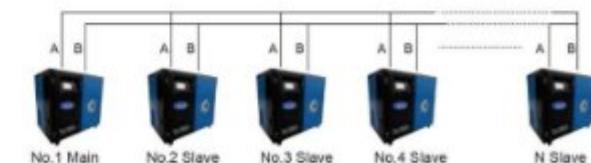
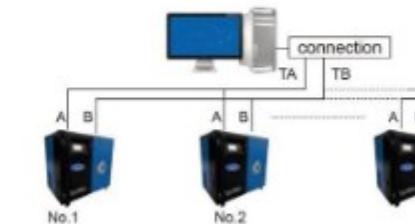
- Use LAN cable to connect and combine the control equipment and pc from administrative department. Easy to install.
- To achieve the best control of the compressor/air disposal equipment via concentrator.
- To monitor unusual happenings, production line pressure and etc.
- Intelligent control compressor, manage, count and report making function

COMPUTER  
CONTROL

LINKAGE  
CONTROL

Air-solution:  
Touch screen remote  
control equipment

- Use LAN cable to connect with administrative department. Easy to install.
- To monitor unusual happenings, production line pressure and etc.
- Touch screen display presents combined control equipment function.



Comp-keeper: SMS

- Send to administrator the sms about the maintenance of compressor and malfunction number at the most
- Specify 18 cell phone number
- It can enter directly different kinds of words according to the occurrence.

## SLM SERIES OF PERMANENT MAGNET INVERTER COMPRESSOR



Save 42%  
of electric charge for you

### Integrated shaft type construction motor steady operation

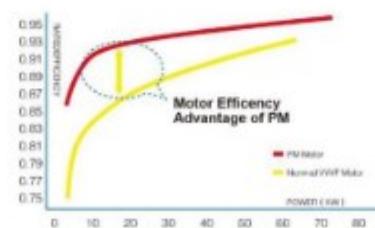
PM motor is connected with airend directly as a whole. No energy loss caused by belt and gears. More compact construction. No bearings, no trouble in bearings, 100% of transmission efficiency. With high efficiency NbFeB permanent magnets, no loss of magnet, service life be longer. The stator coil uses corona resistant enameled wire special for converter. Excellent insulation function. Service life more longer.



High efficiency permanent magnet motor, direct connection, without bearing.

### High efficiency PM motor frequency control

The frequency control can be achieved by adjusting the rotate speed according to the amount of required air. It can save energy 6-7% in comparing with the common frequency compressor. Having obvious advantage in energy-saving. In comparing with normal power frequency compressor, the compressor with PM motor can save energy 42%.



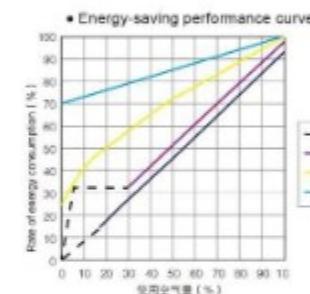
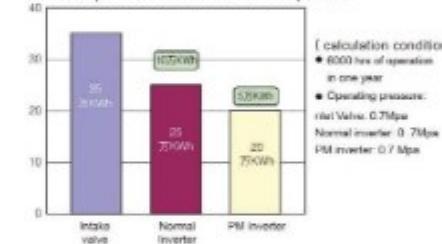
### How much it can save?

The energy consumption for producing compressed air may exceed 40% of the factory's total energy consumption. VS compressor can adjust the displaced air amount upon actual air consumption, thus reduced 25-44% of extra energy consumption.

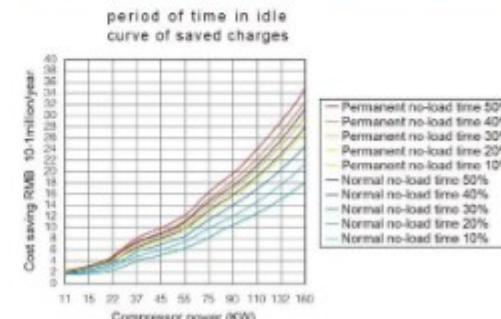
### The inverter compressor can reduce energy consumption by following:

- Eliminate the process from full load to unload.
- PM motor can save 6-7% of energy comparing with other normal inverter.
- Built-in shaft direct connection whole construction.
- No unloading power consumption.
- Maintain the pressure difference in pipe system within 0.01Mpa.
- Reduce average working load.
- Reduce leakage in system.
- The character of soft start adds the electric current balance of the motor, avoid the electric current impact.
- Supply 4-13bar for choice, reduce energy consumption in most extend.

#### Electricity charges every year Comparison of 55KW normal inverter compressor and PM inverter compressor



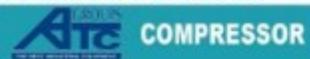
### Yearly Saved Charges of PM and Normal Inverter Compressor



working time: 6000hrs per year, price for electricity: RMB1.0 per degree. The above data is speculated in theory.



### Technical Parameter



SLD series of Direct-driven Screw Air Compressor

| Model   | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min) | Working pressure (bar) | Lubricant Oil (L) | Outlet Pipe Dia | L*W*H (mm)         | N.W (Kg) |
|---------|------------------|------------|-----------------------|------------------------|-------------------|-----------------|--------------------|----------|
| SLD-22  | 22               | 30         | 3.5                   | 7                      | 15                | G1"             | 1300 x 850 x 1220  | 550      |
|         |                  |            | 3.3                   | 5                      |                   |                 |                    |          |
|         |                  |            | 3                     | 10                     |                   |                 |                    |          |
|         |                  |            | 2.6                   | 13                     |                   |                 |                    |          |
| SLD-30  | 30               | 40         | 5.2                   | 7                      | 20                | G1-1/2"         | 1550 x 950 x 1380  | 700      |
|         |                  |            | 5.0                   | 8                      |                   |                 |                    |          |
|         |                  |            | 4.5                   | 10                     |                   |                 |                    |          |
|         |                  |            | 3.8                   | 13                     |                   |                 |                    |          |
| SLD-37  | 37               | 50         | 6.5                   | 7                      | 20                | G1-1/2"         | 1550 x 950 x 1380  | 800      |
|         |                  |            | 6.2                   | 8                      |                   |                 |                    |          |
|         |                  |            | 5.7                   | 10                     |                   |                 |                    |          |
|         |                  |            | 4.8                   | 13                     |                   |                 |                    |          |
| SLD-45  | 45               | 60         | 8.0                   | 7                      | 20                | G1-1/2"         | 1550 x 950 x 1380  | 960      |
|         |                  |            | 7.5                   | 8                      |                   |                 |                    |          |
|         |                  |            | 6.9                   | 10                     |                   |                 |                    |          |
|         |                  |            | 6.0                   | 13                     |                   |                 |                    |          |
| SLD-55  | 55               | 75         | 10.3                  | 7                      | 30                | G2"             | 1700 x 1100 x 1520 | 1600     |
|         |                  |            | 9.5                   | 8                      |                   |                 |                    |          |
|         |                  |            | 8.7                   | 10                     |                   |                 |                    |          |
|         |                  |            | 7.5                   | 13                     |                   |                 |                    |          |
| SLD-75  | 75               | 100        | 13.5                  | 7                      | 35                | G2"             | 2100 x 1200 x 1650 | 1900     |
|         |                  |            | 12.5                  | 8                      |                   |                 |                    |          |
|         |                  |            | 11.2                  | 10                     |                   |                 |                    |          |
|         |                  |            | 10.0                  | 13                     |                   |                 |                    |          |
| SLD-90  | 90               | 125        | 16.3                  | 7                      | 40                | DN50            | 2200 x 1250 x 1650 | 2100     |
|         |                  |            | 15.9                  | 8                      |                   |                 |                    |          |
|         |                  |            | 14.0                  | 10                     |                   |                 |                    |          |
|         |                  |            | 12.2                  | 13                     |                   |                 |                    |          |
| SLD-110 | 110              | 150        | 21.6                  | 7                      | 50                | DN65            | 2500 x 1500 x 1950 | 3400     |
|         |                  |            | 20.0                  | 8                      |                   |                 |                    |          |
|         |                  |            | 17.0                  | 10                     |                   |                 |                    |          |
|         |                  |            | 14.8                  | 13                     |                   |                 |                    |          |
| SLD-132 | 132              | 180        | 23.5                  | 7                      | 50                | DN65            | 2500 x 1500 x 1950 | 3400     |
|         |                  |            | 22.5                  | 8                      |                   |                 |                    |          |
|         |                  |            | 21.0                  | 10                     |                   |                 |                    |          |
|         |                  |            | 18.0                  | 13                     |                   |                 |                    |          |
| SLD-160 | 160              | 220        | 28.0                  | 7                      | 60                | DN80            | 2600 x 1500 x 1950 | 4000     |
|         |                  |            | 26.5                  | 8                      |                   |                 |                    |          |
|         |                  |            | 24.5                  | 10                     |                   |                 |                    |          |
|         |                  |            | 20.3                  | 13                     |                   |                 |                    |          |
| SLD-185 | 185              | 250        | 32.0                  | 7                      | 60                | DN80            | 2800 x 1560 x 1920 | 4000     |
|         |                  |            | 30.0                  | 8                      |                   |                 |                    |          |
|         |                  |            | 27.8                  | 10                     |                   |                 |                    |          |
|         |                  |            | 24.5                  | 13                     |                   |                 |                    |          |
| SLD-200 | 200              | 280        | 54.3                  | 7                      | 60                | DN80            | 2800 x 1700 x 1950 | 4200     |
|         |                  |            | 32.9                  | 8                      |                   |                 |                    |          |
|         |                  |            | 30.2                  | 10                     |                   |                 |                    |          |
|         |                  |            | 27.2                  | 13                     |                   |                 |                    |          |
| SLD-220 | 220              | 300        | 36.0                  | 7                      | 100               | DN100           | 3360 x 2000 x 2000 | 4500     |
|         |                  |            | 34.2                  | 8                      |                   |                 |                    |          |
|         |                  |            | 30.2                  | 10                     |                   |                 |                    |          |
|         |                  |            | 27.5                  | 13                     |                   |                 |                    |          |
| SLD-250 | 250              | 340        | 43.5                  | 7                      | 100               | DN100           | 3360 x 2000 x 2000 | 4900     |
|         |                  |            | 41.8                  | 8                      |                   |                 |                    |          |
|         |                  |            | 38.0                  | 10                     |                   |                 |                    |          |
|         |                  |            | 34.5                  | 13                     |                   |                 |                    |          |
| SLD-315 | 315              | 400        | 57.6                  | 7                      | 220               | DN125           | 4200 x 2250 x 2275 | 5700     |
|         |                  |            | 54.5                  | 8                      |                   |                 |                    |          |
|         |                  |            | 50                    | 10                     |                   |                 |                    |          |
|         |                  |            | 43.4                  | 13                     |                   |                 |                    |          |
| SLD-355 | 355              | 480        | 64.5                  | 7                      | 220               | DN125           | 4200 x 2250 x 2275 | 6200     |
|         |                  |            | 62.2                  | 8                      |                   |                 |                    |          |
|         |                  |            | 58.0                  | 10                     |                   |                 |                    |          |
|         |                  |            | 55.6                  | 13                     |                   |                 |                    |          |

### Technical Parameter



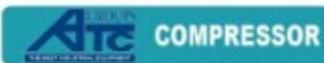
SLB series Belt-driven Screw Air Compressor

| Model    | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min) | Working pressure(bar) | Lubricant Oil (L) | Outlet Pipe Dia | L*W*H (mm)     | N.W (Kg) |
|----------|------------------|------------|-----------------------|-----------------------|-------------------|-----------------|----------------|----------|
| SLB-7.5  | 7.5              | 10         | 15<br>18<br>21        | 5<br>6<br>7           | 8                 | G3/4"           | 800*695*830    | 260      |
| SLB-11   | 11               | 15         | 15<br>18<br>21        | 5<br>6<br>7           | 8                 | G3/4"           | 800*695*830    | 300      |
| SLB-15   | 15               | 20         | 21<br>24<br>27        | 5<br>6<br>7           | 10                | G3/4"           | 1150*800*1100  | 390      |
| SLB-18.5 | 18.5             | 25         | 24<br>28<br>32        | 5<br>6<br>7           | 10                | G3/4"           | 1150*800*1100  | 450      |
| SLB-22   | 22               | 30         | 24<br>28<br>32        | 5<br>6<br>7           | 15                | G1"             | 1115*860*1250  | 660      |
| SLB-30   | 30               | 40         | 32<br>38<br>44        | 5<br>6<br>7           | 15                | G1"             | 1115*860*1250  | 710      |
| SLB-37   | 37               | 50         | 38<br>44<br>50        | 5<br>6<br>7           | 20                | G1-1/2"         | 1200*900*1300  | 850      |
| SLB-45   | 45               | 60         | 44<br>50<br>56        | 5<br>6<br>7           | 20                | G1-1/2"         | 1200*900*1300  | 980      |
| SLB-55   | 55               | 75         | 50<br>56<br>62        | 5<br>6<br>7           | 30                | G2"             | 1650*1200*1620 | 1600     |

ATC COMPRESSOR

SLW series Water Cool Screw Compressor

| Model  | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min.)  | Working pressure(bar) | Lubricant Oil (L) | Cooling Water(L) | Outlet Pipe Dia | L*W*H (mm) | N.W (Kg) |
|--------|------------------|------------|---|-----------------------|-------------------|------------------|-----------------|------------|----------|
| SLW-55 | 55               | 75         | 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**Technical Parameter**

**SLB-V series Frequency Screw Compressor**


| Model     | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min) | Working pressure (bar) | Lubricant Oil (L) | Outlet Pipe Dia | L*W*H (mm)     | N.W (Kg) |
|-----------|------------------|------------|-----------------------|------------------------|-------------------|-----------------|----------------|----------|
| SLB-11V   | 11               | 15         | 0.4-2                 | 7                      | 8                 | G3/4"           | 800×695×830    | 210      |
|           |                  |            | 0.32-1.6              | 8                      |                   |                 |                |          |
|           |                  |            | 0.28-1.42             | 10                     |                   |                 |                |          |
| SLB-15V   | 15               | 20         | 0.5-2.5               | 7                      | 10                | G3/4"           | 1150×800×1100  | 360      |
|           |                  |            | 0.46-2.3              | 8                      |                   |                 |                |          |
|           |                  |            | 0.4-2.0               | 10                     |                   |                 |                |          |
| SLB-18.5V | 18.5             | 25         | 0.62-3.1              | 7                      | 10                | G3/4"           | 1150×800×1100  | 400      |
|           |                  |            | 0.58-2.9              | 8                      |                   |                 |                |          |
|           |                  |            | 0.52-2.6              | 10                     |                   |                 |                |          |
| SLB-22V   | 22               | 30         | 0.7-3.5               | 7                      | 15                | G1"             | 1130×850×1220  | 550      |
|           |                  |            | 0.66-3.2              | 8                      |                   |                 |                |          |
|           |                  |            | 0.6-3.0               | 10                     |                   |                 |                |          |
| SLB-30V   | 30               | 40         | 1.04-5.2              | 7                      | 20                | G1-1/2"         | 1550×950×1380  | 800      |
|           |                  |            | 1.0-5.0               | 8                      |                   |                 |                |          |
|           |                  |            | 0.9-4.5               | 10                     |                   |                 |                |          |
| SLB-37V   | 37               | 50         | 1.3-6.5               | 7                      | 20                | G1-1/2"         | 1550×950×1380  | 800      |
|           |                  |            | 1.24-6.2              | 8                      |                   |                 |                |          |
|           |                  |            | 1.14-5.7              | 10                     |                   |                 |                |          |
| SLB-45V   | 45               | 60         | 1.6-8.0               | 7                      | 20                | G1-1/2"         | 1550×950×1380  | 960      |
|           |                  |            | 1.5-7.5               | 8                      |                   |                 |                |          |
|           |                  |            | 1.38-6.9              | 10                     |                   |                 |                |          |
| SLB-55V   | 55               | 75         | 2.06-10.3             | 7                      | 30                | G2"             | 1700×1100×1520 | 1600     |
|           |                  |            | 1.92-9.6              | 8                      |                   |                 |                |          |
|           |                  |            | 1.74-8.7              | 10                     |                   |                 |                |          |
| SLB-75V   | 75               | 100        | 2.7-13.5              | 7                      | 35                | G2"             | 2100×1200×1620 | 1900     |
|           |                  |            | 2.5-12.5              | 8                      |                   |                 |                |          |
|           |                  |            | 2.24-11.2             | 10                     |                   |                 |                |          |
| SLB-90V   | 90               | 125        | 3.26-16.3             | 7                      | 40                | DN50            | 2200×1250×1650 | 1900     |
|           |                  |            | 3.16-15.9             | 8                      |                   |                 |                |          |
|           |                  |            | 2.8-14                | 10                     |                   |                 |                |          |
| SLB-110V  | 110              | 150        | 4.2-21                | 7                      | 60                | DN65            | 2500×1500×1950 | 2800     |
|           |                  |            | 4.0-20                | 8                      |                   |                 |                |          |
|           |                  |            | 3.4-17                | 10                     |                   |                 |                |          |
| SLB-132V  | 132              | 180        | 4.7-23.5              | 7                      | 60                | DN65            | 2500×1500×1950 | 2800     |
|           |                  |            | 4.5-22.5              | 8                      |                   |                 |                |          |
|           |                  |            | 4.2-21                | 10                     |                   |                 |                |          |
| SLB-160V  | 160              | 220        | 5.6-28                | 7                      | 100               | DN80            | 2600×1500×1650 | 3500     |
|           |                  |            | 5.3-26.5              | 8                      |                   |                 |                |          |
|           |                  |            | 4.9-24.5              | 10                     |                   |                 |                |          |
| SLB-185V  | 185              | 250        | 6.4-32                | 7                      | 100               | DN80            | 2800×1560×1920 | 4000     |
|           |                  |            | 6.0-30                | 8                      |                   |                 |                |          |
|           |                  |            | 5.56-27.8             | 10                     |                   |                 |                |          |
| SLB-250V  | 250              | 340        | 8-40                  | 7                      | 220               | DN100           | 3360×2000×2000 | 5000     |
|           |                  |            | 7.5-39                | 8                      |                   |                 |                |          |
|           |                  |            | 7.6-38                | 10                     |                   |                 |                |          |

**Technical Parameter**

**SLM series PM Inverter Screw Compressor**


| Model   | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min) | Working pressure (bar) | Lubricant Oil (L) | Outlet Pipe Dia | L*W*H (mm)     | N.W (Kg) |
|---------|------------------|------------|-----------------------|------------------------|-------------------|-----------------|----------------|----------|
| SLM-22  | 22               | 30         | 0.56-3.71             | 8                      | 15                | G1"             | 1100×850×1220  | 500      |
|         |                  |            | 0.5-3.42              | 10                     |                   |                 |                |          |
|         |                  |            | 0.45-2.94             | 12.5                   |                   |                 |                |          |
| SLM-37  | 37               | 50         | 1.03-6.66             | 8                      | 20                | G1-1/2"         | 1150×1000×1410 | 750      |
|         |                  |            | 0.91-5.95             | 10                     |                   |                 |                |          |
|         |                  |            | 0.80-5.27             | 12.5                   |                   |                 |                |          |
| SLM-45  | 45               | 60         | 1.32-8.79             | 8                      | 30                | G2"             | 1700×1100×1520 | 1200     |
|         |                  |            | 1.16-7.73             | 10                     |                   |                 |                |          |
|         |                  |            | 0.98-6.54             | 12.5                   |                   |                 |                |          |
| SLM-55  | 55               | 75         | 1.63-10.74            | 8                      | 30                | G2"             | 1700×1100×1520 | 1200     |
|         |                  |            | 1.04-9.32             | 10                     |                   |                 |                |          |
|         |                  |            | 1.20-7.94             | 12.5                   |                   |                 |                |          |
| SLM-75  | 75               | 100        | 2.07-13.8             | 8                      | 35                | G2"             | 1878×1200×1620 | 1500     |
|         |                  |            | 1.81-12.0             | 10                     |                   |                 |                |          |
|         |                  |            | 1.56-10.4             | 12.5                   |                   |                 |                |          |
| SLM-90  | 90               | 125        | 2.45-16.33            | 8                      | 40                | DN65            | 2500×1500×1950 | 2200     |
|         |                  |            | 2.05-13.65            | 10                     |                   |                 |                |          |
|         |                  |            | 1.82-12.12            | 12.5                   |                   |                 |                |          |
| SLM-110 | 110              | 150        | 3.03-20.2             | 8                      | 60                | DN65            | 2500×1500×1950 | 2200     |
|         |                  |            | 2.69-17.9             | 10                     |                   |                 |                |          |
|         |                  |            | 2.37-15.8             | 12.5                   |                   |                 |                |          |
| SLM-132 | 132              | 180        | 3.62-24.1             | 8                      | 60                | DN65            | 2500×1500×1950 | 2200     |
|         |                  |            | 3.21-21.3             | 10                     |                   |                 |                |          |
|         |                  |            | 2.94-19.6             | 12.5                   |                   |                 |                |          |



Left view



Front view



Rear view



Right view

## PORTABLE DIESEL-DRIVEN COMPRESSOR

### Range of displacement:

Choice of different power for different demand.

Compact structure, small cover.

Airend guarantee: 3 years, 6000 hours.

Easy to maintain.

### Applicable for

Automobile making, mining, factory maintenance, electronics, pipe service, power station, railway, paper mill and so on.



### Technical Parameter



### COMPRESSOR

#### SLDY series Portable Motor Driven Compressor

| Model    | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min) | Working pressure (bar) | Lubricant Oil (L) | Outlet Pipe Dia. | L*W*H (mm)     | N.W (Kg) |
|----------|------------------|------------|-----------------------|------------------------|-------------------|------------------|----------------|----------|
| SLDY-55  | 55               | 75         | 10                    | 8                      | 30                | 1-1"             | 3320x1600x1800 | 1800     |
|          |                  |            | 8.5                   | 10                     |                   | 1-1 1/2"         |                |          |
|          |                  |            | 7                     | 13                     |                   |                  |                |          |
|          |                  |            | 13                    | 8                      |                   |                  |                |          |
| SLDY-75  | 75               | 100        | 11                    | 10                     | 35                | 1-1"             | 2450x1700x2170 | 2300     |
|          |                  |            | 10                    | 13                     |                   | 1-1 1/2"         |                |          |
|          |                  |            | 16                    | 8                      |                   |                  |                |          |
|          |                  |            | 14.5                  | 10                     |                   |                  |                |          |
| SLDY-90  | 90               | 125        | 12                    | 13                     | 40                | 1-1"             | 2450x1700x2170 | 2500     |
|          |                  |            | 20                    | 8                      |                   | 1-1 1/2"         |                |          |
|          |                  |            | 17                    | 10                     |                   |                  |                |          |
|          |                  |            | 14                    | 13                     |                   |                  |                |          |
| SLDY-110 | 110              | 150        | 23                    | 8                      | 60                | 1-1"             | 3550x1740x2000 | 3000     |
|          |                  |            | 21                    | 10                     |                   | 1-1 1/2"         |                |          |
|          |                  |            | 17                    | 13                     |                   |                  |                |          |
|          |                  |            | 27                    | 8                      |                   |                  |                |          |
| SLDY-132 | 132              | 180        | 25                    | 10                     | 60                | 1-1"             | 3550x1740x2000 | 3500     |
|          |                  |            | 20                    | 13                     |                   | 1-1 1/2"         |                |          |
|          |                  |            | 30                    | 8                      |                   |                  |                |          |
|          |                  |            | 27.5                  | 10                     |                   |                  |                |          |
| SLDY-160 | 160              | 220        | 24                    | 13                     | 100               | 1-1"             | 3650x1724x2484 | 4200     |
|          |                  |            | 27                    | 8                      |                   | 1-1 1/2"         |                |          |
|          |                  |            | 25                    | 10                     |                   |                  |                |          |
|          |                  |            | 20                    | 13                     |                   |                  |                |          |
| SLDY-185 | 185              | 250        | 30                    | 8                      | 100               | 1-1"             | 3650x1724x2484 | 4500     |
|          |                  |            | 27.5                  | 10                     |                   | 1-1 1/2"         |                |          |
|          |                  |            | 24                    | 13                     |                   |                  |                |          |



### COMPRESSOR

#### SLCY series Portable Diesel-Driven Screw Compressor

| Model    | Motor Power (Kw) | Power (Hp) | Air delivery (m³/min) | Working pressure (bar) | Diesel Brand | Intake Valve Size | L*W*H (mm)     | N.W (Kg) |
|----------|------------------|------------|-----------------------|------------------------|--------------|-------------------|----------------|----------|
| SLDY-58  | 58               | 80         | 7                     | 7                      | Yucaí        | 1-1"              | 3500x1600x2000 | 1800     |
|          |                  |            | 10                    | 8                      |              | 1-1 1/2"          |                |          |
|          |                  |            | 8                     | 10                     |              |                   |                |          |
|          |                  |            | 12                    | 8                      |              | 1-1"              |                |          |
| SLDY-90  | 90               | 120        | 10                    | 8                      | Cummins      | 1-1 1/2"          | 4000x2080x2300 | 2300     |
|          |                  |            | 17                    | 10                     |              |                   |                |          |
|          |                  |            | 13                    | 10                     |              | 1-1 1/2"          |                |          |
|          |                  |            | 13                    | 8-13                   |              | 1-1"              |                |          |
| SLDY-110 | 110              | 150        | 17                    | 8                      | Cummins      | 1-1 1/2"          | 4300x2100x2200 | 2800     |
|          |                  |            | 20                    | 8                      |              |                   |                |          |
|          |                  |            | 17                    | 8-13                   |              | 1-1"              |                |          |
|          |                  |            | 10                    | 10                     |              | 1-2"              |                |          |
| SLDY-132 | 132              | 180        | 13                    | 8-13                   | Cummins      | 1-1 1/2"          | 4500x1900x2500 | 4500     |
|          |                  |            | 17                    | 8                      |              |                   |                |          |
|          |                  |            | 20                    | 8                      |              | 1-1"              |                |          |
|          |                  |            | 17                    | 8-13                   |              | 1-2"              |                |          |
| SLDY-176 | 176              | 240        | 18                    | 17                     | Cummins      | 1-2"              | 4500x2000x2586 | 5800     |
|          |                  |            | 22                    | 14                     |              | 1-2"              |                |          |
|          |                  |            | 21                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 25                    | 22                     |              | 1-2"              |                |          |
| SLDY-190 | 190              | 260        | 18                    | 17                     | Cummins      | 1-2"              | 4500x2000x2586 | 5800     |
|          |                  |            | 22                    | 14                     |              | 1-2"              |                |          |
|          |                  |            | 21                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 25                    | 22                     |              | 1-2"              |                |          |
| SLDY-238 | 238              | 325        | 22                    | 14                     | Cummins      | 1-2"              | 4500x2000x2586 | 5800     |
|          |                  |            | 21                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 25                    | 22                     |              | 1-2"              |                |          |
|          |                  |            | 26                    | 20                     |              | 1-2"              |                |          |
| SLDY-250 | 250              | 340        | 21                    | 20                     | Cummins      | 1-2"              | 4800x2000x2500 | 5800     |
|          |                  |            | 25                    | 22                     |              | 1-2"              |                |          |
|          |                  |            | 26                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 27                    | 20                     |              | 1-2"              |                |          |
| SLDY-264 | 264              | 360        | 25                    | 22                     | Cummins      | 1-2"              | 4800x2000x2586 | 5800     |
|          |                  |            | 26                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 27                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 28                    | 20                     |              | 1-2"              |                |          |
| SLDY-298 | 298              | 400        | 26                    | 20                     | Cummins      | 1-2"              | 4800x2000x2500 | 6200     |
|          |                  |            | 27                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 28                    | 20                     |              | 1-2"              |                |          |
|          |                  |            | 29                    | 20                     |              | 1-2"              |                |          |

## 100% OILFREE SCREW COMPRESSOR

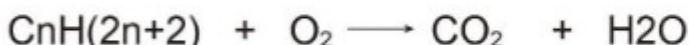
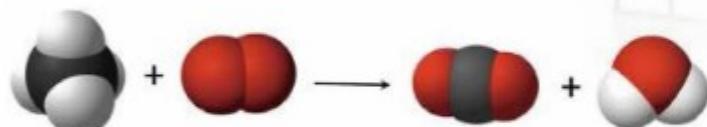
### Working principle of EcoTec converter

The latest patent product of Rotorcomp. 100% of German original technology power. By physical – chemical reaction, EcoTec can converse the mixture of oil and trace gas in atmosphere by adopting a special catalysis.

All hydrocarbon and carbon monoxide will be eliminated in EcoTec converter. The final compressed air doesn't contain oil absolutely, its oil and hydrocarbon content is <0.01mg/m<sup>3</sup>, which can be used without limitation in any line which needs oil free compressed air.

This kind of treatment process is not only benefit for environment protection, but also its long service life of more than 15000hours make it being very economic. Since all waste being eliminated, there has a big potential possibility to reduce cost substantially.

### CHEMICAL REACTION IN ECOTEC CONVERTER



### ADVANTAGES OF ECOTEC CONVERTER

Combination of high efficiency screw compressor and EcoTec oil free converter can achieves the following advantages:

- ◊ Oil free compressed air, oil/hydrocarbon content <0.01mg/m<sup>3</sup>.
- ◊ Reliable operation, EcoTec oil free converter will not be inflected by: oil content of intake air, working temperature, environment air humidity.
- ◊ Oil free condensate
- ◊ Low energy consumption
- ◊ 15000 hours of running time-----won't change forever
- ◊ High efficiency environmental protection
- ◊ High economic benefit, low cost
- ◊ No maintenance problem
- ◊ Clear away all waste, reduce relevant charges



1.compressor  
3.EcoTec Eco Tec oil free converter  
5.Oil free compressed air

2.air/air heat exchanger  
4.dryer  
6.Clean water

### Compressed air station



### Applicable range

|                         |                        |
|-------------------------|------------------------|
| Breathing air           | metallurgy             |
| PET machine             | mechanical engineering |
| Food and drink industry | plastics               |
| Pharmacy industry       | chemical industry      |
| Inflation line          | industrial gas         |
| Milk industry           | tobacco industry       |
| Semiconductor           | Textile                |

### Technical Data

| Model      | Air Delivery<br>(7bar) | Max Pressure | Intake dia  | Weight   | Long | Wide | Height | Install Power | Power consump |     |
|------------|------------------------|--------------|-------------|--|------|------|--------|---------------|---------------|-----|
|            |                        |              |             |  |      |      |        |               | kg            | mm  |
| ETC-SV04-7 | 0.4                    | 16           | Ermelo 15mm | 37   | 280  | 170  | 1500   | 1.5           | 0.01          | 230 |
| ETC-SV1-7  | 1                      | 16           | Ermelo 18mm | 100  | 750  | 455  | 1369   | 1.2           | 0.01          | 230 |
| ETC-SV2-7  | 2                      | 16           | Ermelo 28mm | 150  | 750  | 455  | 1585   | 2.5           | 0.01          | 230 |
| ETC-SV5-7  | 5                      | 16           | Ermelo 35mm | 345  | 930  | 610  | 1742   | 5             | 0.01          | 400 |
| ETC-SV7-7  | 7                      | 16           | Ermelo 42mm | 570  | 1110 | 610  | 1742   | 5             | 0.01          | 400 |
| ETC-SV10-7 | 10                     | 16           | Ermelo 42mm | 670  | 1514 | 707  | 1972   | 10            | 0.007         | 400 |
| ETC-SV15-7 | 15                     | 16           | DN 50       | 1180   | 1514 | 707  | 1972   | 10            | 0.007         | 400 |
| ETC-SV20-7 | 20                     | 16           | DN 65       | This parameter has not yet been announced, according to the actual requirements of the final confirmation. |      |      |        |               |               | 21  |
| ETC-SV30-7 | 30                     | 16           | DN 65       |  |      |      |        |               |               | 21  |
| ETC-SV40-7 | 40                     | 16           | DN 80       |  |      |      |        |               |               | 28  |
| ETC-SV50-7 | 50                     | 16           | DN 100      |  |      |      |        |               |               | 28  |



### Field type: variable function, high performance

SLD series of machine has the function of small occupation, low noise, with built-in air and condensation water treatment equipment, being escort of customer's production. The integration design makes it can be put in production field, reduce the charges for external pipes. The added efficiency can help customers in energy saving.

### The lowest installation cost

SLD series of compressor can work at the place where need compressed air, special compressor room being left out. SLD can start up at any time---- reduce the cost of stop and installation.

Built-in filter reduces the charges for external pipe. Traditional compressors need external filters, causing high noise, the machine should be put far away from the production field. Thus external pipes should be added, installation cost coming higher accordingly.



### The lowest energy consumption and maintenance cost

Filed type, fewer pipes, reduce pressure drop of whole system. The filtered clean air protects the pipes, avoid the corrosion, thus reduced energy consumption and maintenance cost. Under the monitor of intelligent Air- solution. SLD machines reduced the pressure to the bottom, energy consumption be reduced accordingly.



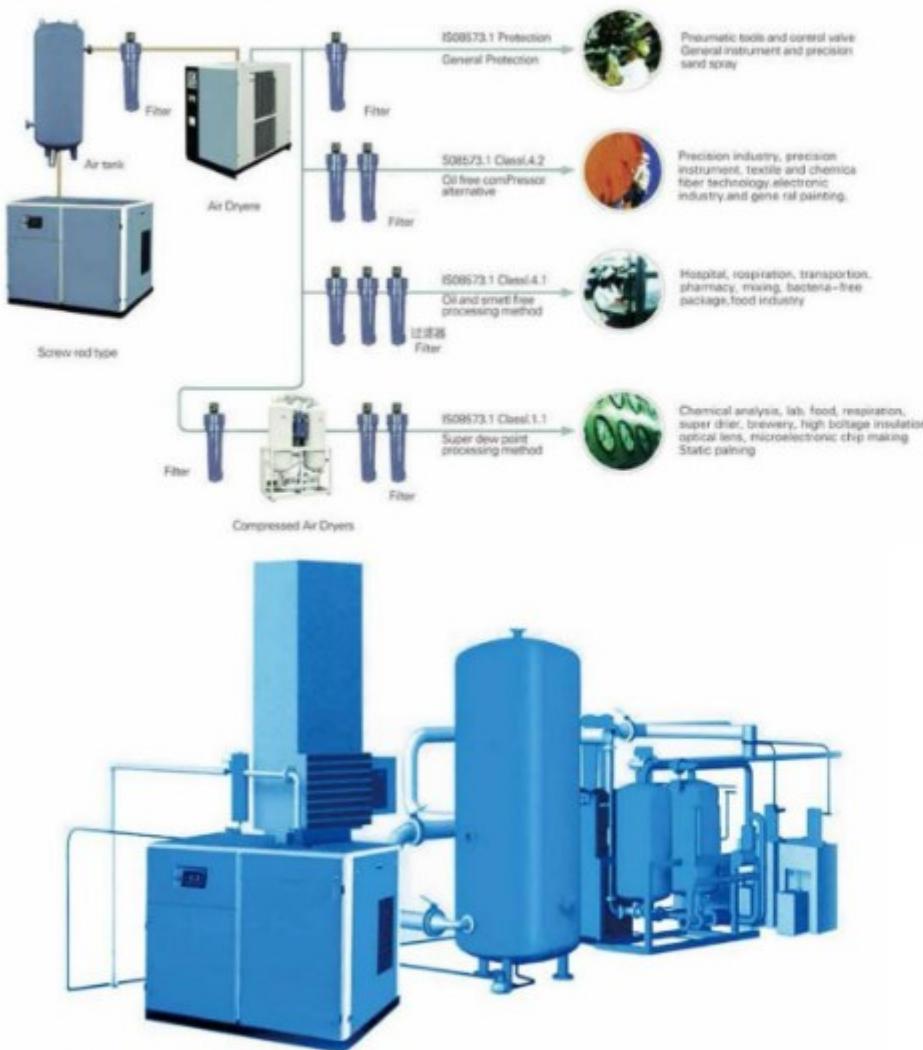
■ The machine put far away form the field, the extra pipes added the pressure drop of the whole system.

■ SLD machine, all built-in, field type, fewer pipes, pressure drop being the lowest.

## POST-PROCESSING PROJECT OF SCREW COMPRESSOR

Proper choice of model is more important than other factors.

post-processing equipments



Refrigeration Air Dryer

Air cooled refrigeration dryer

| Model Item                         | HAD -5 | HAD -10 | HAD -15 | HAD -20 | HAD -30 | HAD -40 | HAD -50 | HAD -60 | HAD -75 | HAD -85 | HAD -100 | HAD -125 | HAD -150 | HAD -200 |      |
|------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|------|
| Air capacity(Nm <sup>3</sup> /min) | 0.8    | 0.8     | 1.7     | 2.6     | 3.8     | 5.2     | 7.2     | 8.5     | 11      | 13.5    | 15.2     | 18.5     | 22       | 30       |      |
| Voltage(V/50Hz)                    | 220    | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220     | 220      | 220      | 220      | 220      |      |
| Comp-Power(kW)                     | 0.56   | 0.56    | 0.75    | 0.75    | 0.89    | 1.23    | 1.65    | 1.7     | 1.9     | 2.31    | 2.34     | 2.8      | 3        | 4.5      |      |
| Fan Power(W)                       | 95     | 95      | 105     | 105     | 150     | 150     | 150     | 160     | 180     | 240     | 240      | 240      | 240      | 240      |      |
| Inlet dia                          | G1"    | G1"     | G1"     | G1-1/2" | G1-1/2" | G1-1/2" | G1-1/2" | G2"     | G2"     | G2"     | G2.5"    | DN65     | DN80     | DN100    |      |
| Weight(kg)                         | 48     | 48      | 65      | 76      | 82      | 96      | 108     | 127     | 145     | 176     | 198      | 212      | 238      | 260      |      |
| Size                               | L(mm)  | 650     | 650     | 700     | 800     | 900     | 1000    | 1000    | 1120    | 1200    | 1300     | 1450     | 1550     | 1620     | 1800 |
|                                    | W(mm)  | 450     | 450     | 470     | 500     | 560     | 525     | 580     | 580     | 620     | 700      | 700      | 780      | 850      |      |
|                                    | H(mm)  | 610     | 610     | 680     | 620     | 660     | 730     | 790     | 790     | 840     | 870      | 990      | 1075     | 1410     | 1410 |

| Model Item                           | HAD -75W | HAD -85W | HAD -100W | HAD -125W | HAD -150W | HAD -175W | HAD -185W | HAD -200W | HAD -250W | HAD -300W | HAD -350W | HAD -400W | HAD -500W | HAD -600W |
|--------------------------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Air capacity(Nm <sup>3</sup> /min)   | 11       | 13.5     | 15.2      | 16.5      | 22        | 25.5      | 28.5      | 30        | 35        | 45        | 55        | 65        | 75        | 85        |
| Voltage(V/50Hz)                      | 220      | 220      | 380       | 380       | 380       | 380       | 380       | 380       | 380       | 380       | 380       | 380       | 380       | 380       |
| Comp-Power(kW)                       | 2.7      | 2.7      | 2.9       | 3.1       | 4.5       | 5.1       | 4.95      | 5.3       | 6.9       | 9.2       | 11.2      | 13.1      | 14        | 16        |
| Water circulation(m <sup>3</sup> /h) | 5        | 5        | 5         | 8         | 7         | 9         | 9         | 9         | 11        | 15        | 20        | 20        | 22        | 25        |
| Water Inlet dia                      | G1"      | G1"      | G1"       | G1-1/2"   | DN60      | DN80      | DN100     |
| Air Inlet dia                        | G2"      | G2"      | G2.5"     | DN65      | DN80      | DN100     | DN100     | DN100     | DN100     | DN100     | DN100     | DN125     | DN150     | DN150     |
| Weight(kg)                           | 229      | 220      | 235       | 350       | 460       | 550       | 593       | 580       | 650       | 750       | 1100      | 1200      | 1400      | 1800      |
| Size                                 | L(mm)    | 1200     | 1200      | 1450      | 1650      | 1780      | 1780      | 1780      | 1800      | 1870      | 2050      | 2050      | 2060      | 2350      |
|                                      | W(mm)    | 580      | 580       | 700       | 700       | 700       | 800       | 800       | 850       | 1000      | 1100      | 1100      | 1120      | 1350      |
|                                      | H(mm)    | 1010     | 1010      | 1205      | 1205      | 1350      | 1350      | 1350      | 1620      | 1602      | 1550      | 1550      | 1640      | 1743      |



No heat regenerative adsorption dryer

| Model HAD-100W | Air Capacity (Nm <sup>3</sup> /min) | Pipe Dia | Size mm (L*W*H) | Weight kg | Model HAD-150W | Air Capacity (Nm <sup>3</sup> /min) | Pipe Dia | Size mm (L*W*H) | Weight kg | Model HAD-200W | Air Capacity (Nm <sup>3</sup> /min) | Pipe Dia | Size mm (L*W*H) | Weight kg |
|----------------|-------------------------------------|----------|-----------------|-----------|----------------|-------------------------------------|----------|-----------------|-----------|----------------|-------------------------------------|----------|-----------------|-----------|
| 50RW           | 0.8                                 | G3/4"    | 650*480*1300    | 90        | 100RW          | 15.2                                | G2.5"    | 1200*550*2194   | 990       | 120RW          | 24.5                                | G3/4"    | 1200*550*2194   | 2020      |
| 100RW          | 1.35                                | G3/4"    | 650*480*1300    | 112       | 125RW          | 18.5                                | DN85     | 1300*700*2347   | 990       | 120RW          | 27.0                                | DN85     | 1300*700*2347   | 3417      |
| 150RW          | 1.7                                 | G1"      | 750*480*1400    | 142       | 150RW          | 22                                  | DN80     | 1400*700*2347   | 1190      | 170RW          | 30.0                                | DN100    | 1300*700*3079   | 4573      |
| 200RW          | 2.6                                 | G1"      | 750*480*1600    | 196       | 175RW          | 26.5                                | DN80     | 1400*700*2347   | 1190      | 180RW          | 31.0                                | DN100    | 1300*700*3376   | 4923      |
| 300RW          | 3.8                                 | G1"      | 850*500*1720    | 292       | 185RW          | 28.5                                | DN100    | 1400*700*2340   | 1300      | 200RW          | 33.0                                | DN100    | 1300*700*2673   | 5480      |
| 400RW          | 5.2                                 | G1-1/2"  | 900*500*1720    | 406       | 200RW          | 30                                  | DN100    | 1600*800*2673   | 1580      | 100RW          | 22.0                                | DN200    | 4024*1570*3450  | 7714      |
| 500RW          | 7.2                                 | G1-1/2"  | 1000*500*1820   | 518       | 250RW          | 38                                  | DN100    | 1600*800*2675   | 1780      | 170RW          | 26.0                                | DN250    | 4590*1800*3550  | 8860      |
| 600RW          | 8.5                                 | G2"      | 1000*500*1860   | 636       | 300RW          | 45                                  | DN100    | 1800*850*2676   | 2000      | 200RW          | 30.0                                | DN200    | 5200*1870*3690  | 1014      |
| 750RW          | 11                                  | G2"      | 1100*550*2119   | 768       | 350RW          | 55                                  | DN125    | 2250*920*2930   | 2300      | 250RW          | 45                                  | DN125    | 2418*920*2930   | 2469      |
| 800RW          | 13.5                                | G2"      | 1300*550*2350   | 795       | 400RW          | 65                                  | DN125    | 2418*920*2930   | 2469      |                |                                     |          |                 |           |



Micro Heat Regeneration Adsorption Air Dryer



Filter



Electronic Drain Valve



Ball Drain Valve

## No heat regenerative adsorption dryer

| Model | Air Capacity (m³/min) | Pipe Dia | Size mm (L*W*H) | Weight kg |
|-------|-----------------------|----------|-----------------|-----------|
| 10RH  | 1.7                   | G1"      | 260*400*1000    | 178       |
| 20RH  | 2.6                   | G1"      | 250*400*1000    | 246       |
| 30RH  | 3.8                   | G1.5"    | 250*500*1120    | 290       |
| 40RH  | 5.2                   | G1.5"    | 260*500*1120    | 380       |
| 50RH  | 7.2                   | G2"      | 160*500*1920    | 565       |
| 60RH  | 8.5                   | G2"      | 190*500*1950    | 595       |
| 75RH  | 11                    | G2"      | 190*550*2160    | 793       |
| 85RH  | 13.5                  | G2.5"    | 130*550*2160    | 890       |
| 100RH | 16.2                  | DN65     | 130*550*2194    | 890       |
| 125RH | 18.5                  | DN80     | 130*700*2048    | 980       |

| Model | Air Capacity (m³/min) | Pipe Dia | Size mm (L*W*H) | Weight kg |
|-------|-----------------------|----------|-----------------|-----------|
| 100RH | 22                    | DN80     | 1450*700*2360   | 1308      |
| 150RH | 25.2                  | DN80     | 1450*700*2600   | 1368      |
| 180RH | 28.5                  | DN100    | 1450*700*2780   | 1450      |
| 200RH | 30                    | DN100    | 1500*900*2880   | 1528      |
| 250RH | 35                    | DN100    | 1600*900*2870   | 1798      |
| 300RH | 45                    | DN100    | 1900*950*2970   | 2198      |
| 350RH | 55                    | DN125    | 2250*1200*2980  | 2338      |
| 400RH | 65                    | DN125    | 2450*1200*3000  | 2470      |
| 500RH | 75                    | DN150    | 2450*1200*3011  | 2650      |
| 600RH | 85                    | DN150    | 2720*1300*3148  | 2880      |

## Filter

| Model | Air Capacity (m³/min) | Inlet dia | Size      | Element pc | Weight kg |
|-------|-----------------------|-----------|-----------|------------|-----------|
| 015*  | 1.5                   | G1"       | 267*90    | 1          | 1.5       |
| 024*  | 2.4                   | G1-1/2"   | 385*110   | 1          | 2.5       |
| 035*  | 3.5                   | G1-1/2"   | 385*110   | 1          | 2.5       |
| 070*  | 7                     | G1-1/2"   | 515*110   | 1          | 3         |
| 090*  | 9                     | G2"       | 626*110   | 1          | 4.5       |
| 120*  | 12                    | G2"       | 800*150   | 1          | 5         |
| 150*  | 15                    | G2"-1/2"  | 950*150   | 1          | 11        |
| 180*  | 18                    | G2"-1/2"  | 1000*150  | 1          | 16        |
| 240*  | 24                    | DN80      | 1289*375  | 1          | 21        |
| 300*  | 30                    | DN100     | 1615*475  | 2          | 35        |
| 360*  | 36                    | DN100     | 1460*475  | 2          | 35        |
| 450*  | 45                    | DN100     | 1635*475  | 3          | 58        |
| 550*  | 55                    | DN125     | 1610*475  | 3          | 68        |
| 650*  | 65                    | DN125     | 1610*585  | 4          | 78        |
| 750*  | 75                    | DN150     | 1700*590  | 5          | 88        |
| 900*  | 90                    | DN150     | 1890*590  | 6          | 95        |
| 1200* | 120                   | DN150     | 1900*680  | 8          | 170       |
| 1500* | 150                   | DN150     | 1932*700  | 10         | 245       |
| 1800* | 180                   | DN200     | 1963*750  | 10         | 270       |
| 2100* | 210                   | DN200     | 2078*880  | 14         | 298       |
| 2400* | 240                   | DN250     | 2100*880  | 16         | 350       |
| 3000* | 300                   | DN300     | 2166*980  | 20         | 390       |
| 3600* | 360                   | DN300     | 2277*980  | 24         | 420       |
| 3900* | 390                   | DN400     | 2310*1010 | 26         | 500       |
| 4500* | 450                   | DN400     | 2310*1210 | 30         | 650       |

## SUPPLIED SERVICE

## Pre-sale service:

choice of models: Upon the demand of the users, in considering their scale of production, air consumption and ambient, we supply service of inquiry, technology advisory and documents. Field service: According to specific working condition, supply the service of project design and accessories configuration and so on.

## After-sale service:

Supply guidance of installation and trial run, periodical maintenance, emergency help, operation instruction and experience of relevant equipments

## Maintenance service:

items of maintenance, repair and training.

## All customers can have our following commitments:

1. After the arrival of the machine at the customer's place, our company will dispatch service man to the spot for technology guidance.

2. After all equipment installed, our company will dispatch service staff to the spot for trial run, meantime to train the operation workers in daily operation, daily maintenance and simple trouble.

3. Technical consultation: Answer technical questions within one hour.

4. Troubleshooting: After receiving customers complaint for machine trouble, if it needs to go to the spot, company will send people to.

5. Supply of parts: Supply all needed parts for normal working and maintenance at ex-works price.

## Quality parts

To use the original parts and serve from UNICAL can assure the normal operation and service life in most extend.

