



SCREW AIR COMPRESSOR

2023 new arrival



Professional
Screw Air Compressor Factory



OLYMTECH



3.7-315 kW

Olymtech Profile

Olymtech Technology Development Co., Ltd. is an enterprise specializing in air compressors, after-treatment equipment systems and gas generator products. We have more than 15 years of experience in R&D, production, sales, export and after-sales service.

Currently, we have 12 self-owned and cooperative factories, all of which have advanced assembly production lines and professional R&D, production, testing, and after-sales teams to support us in manufacturing products that are meeting ISO9001 quality system, CE, ASME, TUV and compressor industry standards. Our main products are screw air compressors, scroll air compressors, piston air compressors, refrigerated air dryers, adsorption air dryers, combined dryers, air filters, air tanks, oxygen generators, nitrogen generator, etc.

Our domestic customer base covers especially Southern and Eastern China area, customers are satisfied with both our products and our services. We also have distributors and service locations in many large and medium-sized cities in China, which provides our local users professional services and timely support throughout pre-sales, selling, and after-sales process. Services including: electricity consumption testing of existing compressor systems, compressor system installation, after-sales maintenance, gas station leasing, pipeline construction, energy-saving transformation, etc.

For oversea market, we have sold over 100 thousands units of high-quality compressed air system to 90 countries, have served over 8 thousands customers. We have authorized distributors in 44 countries, which would greatly extend our service coverage and make sure our energy-saving and high-quality compressor system would support as many customers in the world as possible.

We have been striving for and insisting in producing more energy-saving, high-efficiency, better-quality air compressor systems.

"Making energy-saving compressed air systems available to everyone" is our mission, and our rich product line could definitely meet your different compressed air needs. "Make the sky more blue" is our vision, let's join hand together, choose our high-quality and energy-saving air compressors and contribute to a more green environment and a more blue sky!

Buy Compressor! Choose Olymtech!



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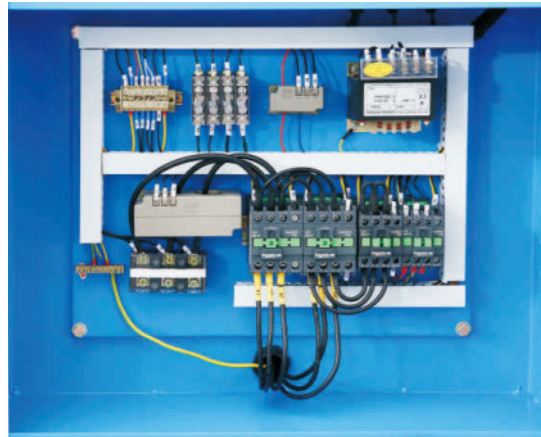
| | | |
|-------------------------------|---|--------------|
| OL series | Fixed Speed Belt Driven Screw Air Compressor | 03-04 |
| OLD series | Fixed Speed Direct driven Screw Air Compressor | 05-06 |
| CPM series | Industrial Type Permanent Magnet VSD Screw Air Compressor | 07-14 |
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| DPM series | Economic Type Permanent Magnet VSD Screw Air Compressor | 16 |
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Belt Driven



OL11CB-8



Intelligent Micro-Computer Control System

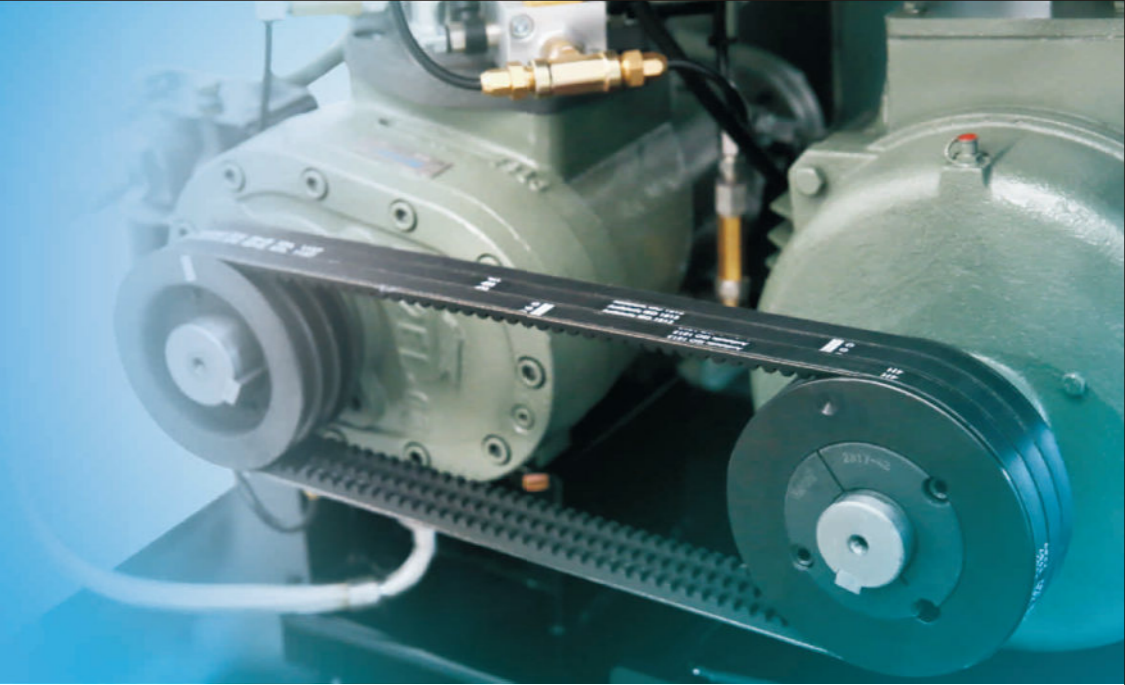
- International standard design, stable and reliable.
- Schneider electric parts, ensures stable operation.

PLC Control System

- English/Chinese two language can be selected in the system.
- PLC control system had block control and remove control function(optional).
- Intelligent microcomputer control system, controller has the remind & record function, show the compressor situation clearly.
- Controller with hase reversal protection, current overload protection, pressure protection, overheat protection.

Advantages

- 7/8/10/12.5 bar pressure for your selection.
- Germany OPTI belt, easy for replace, and ensure the product quality.
- Oversize air-end, low rpm, no overheat problem.
- IP54 motor.SKF bearing, F level insulation.
- Superior components, low maintenance cost.



OL SERIES



Technical Parameter

OL Series Fix Speed Belt Driven Screw Air Compressor(Belt Drive)

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|------------|----------------------|------|--------|-----|-------------|------|------------|-------------------|----------------------------|
| | bar | psig | m³/min | CFM | hp | kw | | | |
| OL7.5CB-8 | 8 | 116 | 1.1 | 38 | | | | | |
| OL7.5CB-10 | 10 | 145 | 1.0 | 35 | 10 | 7.5 | G1/2" | 220 | 850x600x850 |
| OL7.5CB-13 | 12.5 | 182 | 0.8 | 28 | | | | | |
| OL11CB-8 | 8 | 116 | 1.7 | 60 | | | | | |
| OL11CB-10 | 10 | 145 | 1.5 | 53 | 15 | 11 | G3/4" | 280 | 850x600x950 |
| OL11CB-13 | 12.5 | 182 | 1.3 | 45 | | | | | |
| OL15-8 | 8 | 116 | 2.4 | 84 | | | | | |
| OL15-10 | 10 | 145 | 2.2 | 77 | 20 | 15 | G1" | 380 | 950x870x1230 |
| OL15-13 | 12.5 | 182 | 1.7 | 60 | | | | | |
| OL18.5-8 | 8 | 116 | 3.0 | 105 | | | | | |
| OL18.5-10 | 10 | 145 | 2.7 | 95 | 25 | 18.5 | G1" | 500 | 950x870x1230 |
| OL18.5-13 | 12.5 | 182 | 2.3 | 81 | | | | | |
| OL22-8 | 8 | 116 | 3.7 | 130 | | | | | |
| OL22-10 | 10 | 145 | 3.2 | 113 | 30 | 22 | G1" | 540 | 950x870x1230 |
| OL22-13 | 12.5 | 182 | 2.7 | 95 | | | | | |
| OL30-8 | 8 | 116 | 5.0 | 176 | | | | | |
| OL30-10 | 10 | 145 | 4.5 | 158 | 40 | 30 | G1-1/2" | 680 | 1150x990x1395 |
| OL30-13 | 12.5 | 182 | 3.6 | 127 | | | | | |
| OL37-8 | 8 | 116 | 6.2 | 218 | | | | | |
| OL37-10 | 10 | 145 | 5.6 | 197 | 50 | 37 | G1-1/2" | 730 | 1150x990x1395 |
| OL37-13 | 12.5 | 182 | 4.6 | 162 | | | | | |
| OL45-8 | 8 | 116 | 7.6 | 254 | | | | | |
| OL45-10 | 10 | 145 | 6.5 | 229 | 60 | 45 | G1-1/2" | 790 | 1150x990x1395 |
| OL45-13 | 12.5 | 182 | 5.6 | 197 | | | | | |

- According to the standard of GB19153-2009
- Standard Power Supply: 380V/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor Stage: One Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C



Direct Driven

- Motor and air-end is 1:1 energy transfer, high efficiency.
- Oversize air-end, low rpm, no overheat problem.
- Ip54 motor, SKF bearing, F level insulation.
- Low noise and low vibration.
- Big inside space, easy to fulfill the common maintenance.
- Intelligent microcomputer control system, controller has the remind & record function, show the compressor situation clearly.
- High temperature & humidity environment design, compressor can be used in maximum ambient T 46°C environment.s



Technical Parameter

OLD Series Fix Speed Direct Driven Screw Air Compressor(Direct Drive)

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|---------------------|-----|-------------|------|------------|-------------------|----------------------------|
| | bar | psig | m ³ /min | CFM | hp | kw | | | |
| OL15D-8 | 8 | 116 | 2.4 | 84 | 20 | 15 | G1" | 520 | 1410x850x1135 |
| OL18.5D-8 | 8 | 116 | 3.0 | 106 | 25 | 18.5 | G1" | 540 | 1410x850x1140 |
| OL22D-8 | 8 | 116 | 3.6 | 127 | 30 | 22 | G1" | 560 | 1410x850x1140 |
| OL37D-8 | 8 | 116 | 6.2 | 219 | 50 | 37 | G1-1/2" | 730 | 1530x930x1255 |
| OL45D-8 | 8 | 116 | 7.6 | 268 | 60 | 45 | G1-1/2" | 800 | 1530x930x1255 |
| OL55D-8 | 8 | 116 | 10.0 | 353 | 75 | 55 | G1-1/2" | 1180 | 1800x1125x1430 |
| OL75D-8 | 8 | 116 | 13.0 | 459 | 100 | 75 | G2" | 1470 | 2000x1300x1600 |
| OL90D-8 | 8 | 116 | 16.0 | 565 | 120 | 90 | G2" | 1950 | 2130x1400x1750 |
| OL110D-8 | 8 | 116 | 20.0 | 706 | 150 | 110 | DN65 | 2450 | 2550x1550x1900 |
| OL132D-8 | 8 | 116 | 24.0 | 847 | 180 | 132 | DN65 | 2500 | 2550x1550x1900 |

- According to the standard of GB19153-2009
- Standard Power Supply: 380V/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor Stage: One Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C

Permanent Magnet Motor VSD Screw Air Compressor



C Series

Permanent Magnet Motor Variable Speed Screw Air Compressor



Permanent Magnet Synchronous Motor (PM)
Adopts the high efficiency NdFeB permanent magnet, The service life is more than 15 years.



Stator Coil
Using the wire which is specialized in the inverter. Excellent insulation, longer service life.



When the use of air is not stable, average energy saving reaches to 35-50%.



Reduce the working pressure of the system. The constant voltage is more efficient.



No power consumption when it is unloading. No unloading. No electricity waste.



Permanent magnet synchronous motor for higher efficiency.



Wider range of the AC voltage (300V-440V). The compressor can run normally and it won't stop in this range.

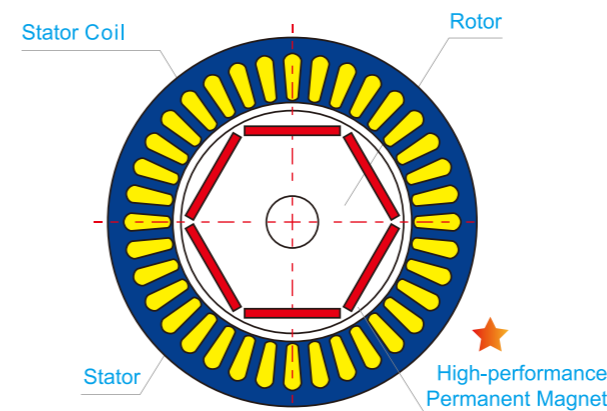


Can adjust the discharge air volume according to the air pressure.

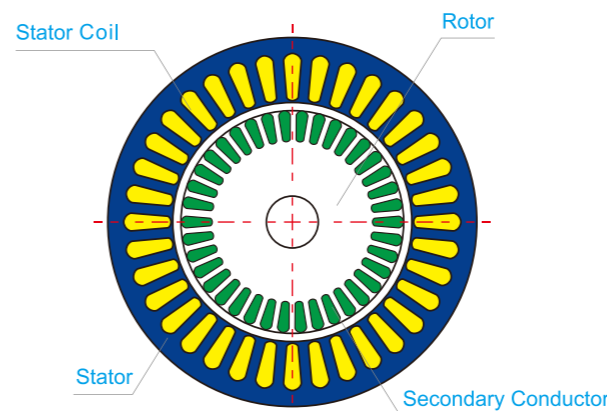


Colour touch screen
Customised smart touch screen and control module. Easy to operate.

Comparison (Permanent Magnet Synchronous Motor & Normal Asynchronous Motor)



Permanent Magnet Synchronous Motor



Asynchronous Induction Motor

Magnetic field is the foundation of the motor to realize the electricity energy conversion. Depending on the way to establish the magnetic field, it divides into the electric excitation motor and permanent magnet motor. Compared to the electric excitation motor, the permanent magnet motor has the advantages as below,

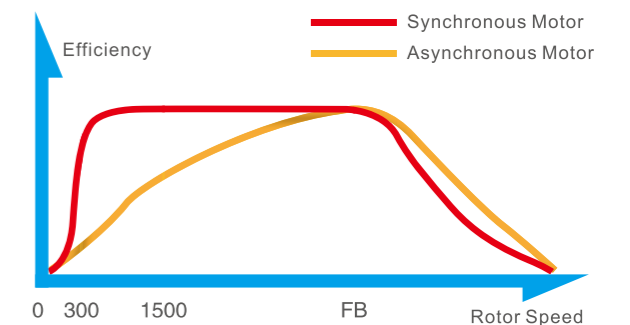
High Efficiency It cancels the loss of the excitation system which improves efficiency 5%-12%. The power factor is high, the force ratio of inertia is high. The motor is in directed drive, without the speed slip loss, No need for the bearing and connection to drive, that can improve more than 3% efficiency. When in light loading, the PM motor can improve 15-35% efficiency as the same specifications of induction motor. High efficiency in light or heavy load. **At present, Olymtech is use the level 1 energy saving PM motor. (le3)**

Low Noise With the design in magnetic field, magnetic density distribution, wider working frequency range, lower operation noise. The air pressure is constant, open loop vector control, it can adjust a wide range of discharge air volume immediately.

Compact Structure, Small Size, Light Weight It cancels the excitation winding and the excitation power (magnetic pole core). The structure is simple, reliable operation and easy maintain.

High Precision, Fast Response

Bigger Starting Torque



Synchronous Motor and Asynchronous Motor Efficiency Curve

Compared with the fixed speed compressor, PM VSD compressor can save electric charge more than **74,000 degree/year.**

10836kw.h + 52800kw.h + 10836kw.h = 74472kw.h/year

(Above data is the 37kw screw air compressor Industry data, your factory actual saving value is depends on actual using condition .)

Energy Saving Solution



Smart inverte

A wide speed control range of frequency converter prevents unnecessary power consumption for no-load operation.



Permanent magnet motor

High efficiency IE3 permanent magnet motor reduces energy costs.



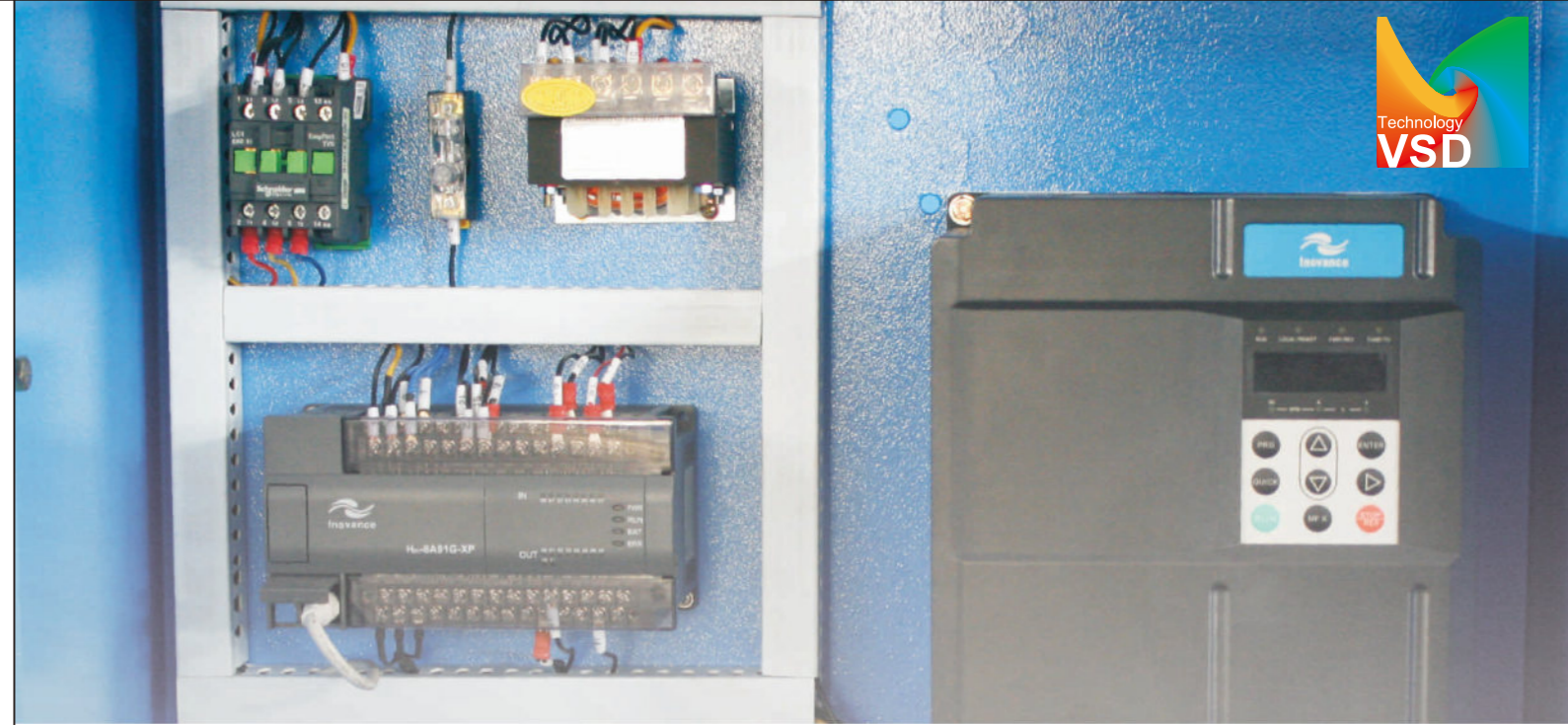
No unnecessary pressure

Constant pressure setting reduce the pressure drop, 1bar of unnecessarily high pressure correopnds to about 7% of the energy.



Lossless direct drive

The direct connect in between the air-end and motor has none of the transmission losses.



1 Application of Permanent Magnet Motor

- Olymtech uses the high efficiency permanent magnet synchronous motor. Compared with the normal asynchronous VSD motor, energy saving performance is more outstanding. The full load efficiency of a 37Kw PM motor is 97%, however the efficiency of same level asynchronous motor is only 92% ,it may save 5% energy.
- It can save electricity about 10836 degree/year when we use the PM compressor in 37KW. When in low speed, the permanent magnet synchronous motor efficiency won't be changed, but normal asynchronous motor efficiency will be lower. **Average PM compressor can save energy 7%-11%.**
- 37KW means the shaft power of the main motor. The actual input power is (37kw x 1.15 service factor) =43KW. If the compressor works for 6000 hours per year, 60% loading rate:

1year electric saving:

6000h x 43kw x 60% (loading rate) x 7% = 10836kw.h

Suspect electric charge USD0.2/kw.h, 1year save money: **10836kw.h x USD0.2/kw.h = USD2167.00**

2 Application of VSD Technology

- When air compressor unloads, it consumes electric power approximately 50% but giving you nothing in return.
- For example a 37kw compressor, if the loading rate is 60%, it means the unloading rate is 40%, it will waste 22kw when in unloading (full load is 37kw x 1.15 service factor x 50% =22kw). If the compressor runs 6000 hours per year, this compressor has 40% unload, it consumes 22kw power during the 2400hours, it may waste electricity in **52800kw.h**
- 6000h x 40% (unloading rate) x 22kw = 52800kw.h**
- To use Olymtech PM compressor C37PM, wastage problem is solved, you can save electric 52800kw.h/year! Because Inverter automatically adjusts the motor speed, thus to changes the air supply as the air demand floating, no unloading wastage.

* Above data is the Industry data, the actual saving value depends on actual use.

3 Without Pressure Loss

- A compressor pressure is 0.8Mpa, it's actual unloading pressure is 0.8Mpa, and the loading pressure is 0.65Mpa, that means pressure 0.65Mpa is enough for factory using.
- Adjust C37PM pressure to 0.65Mpa, which can save electricity 11340kw.h/year.
- To reduce system pressure every 0.14barg, it can save 1% energy. This equates 7% as an example. 37KW means the shaft power of the main motor. The actual input power is (37kw x 1.15 service factor) =43KW. If the compressor works for 6000 hours per year:

1year electric saving:

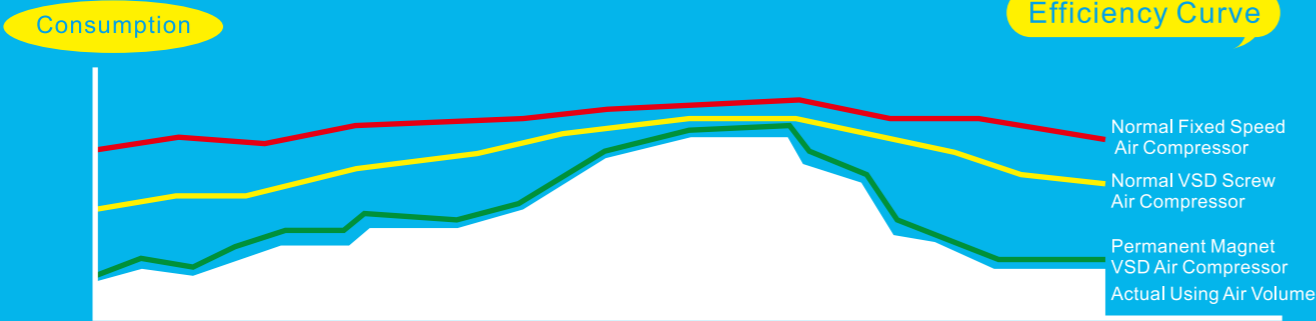
6000h x 43kw x 60% (loading rate) x 7% = 10836kw.h

Suspect electric charge USD0.2/kw.h, 1year save money: **10836kw.h x USD0.2/kw.h = USD2167.00**

Compared with the normal frequency compressor, PM compressor can save electric charge more than 74,000 degree/year.

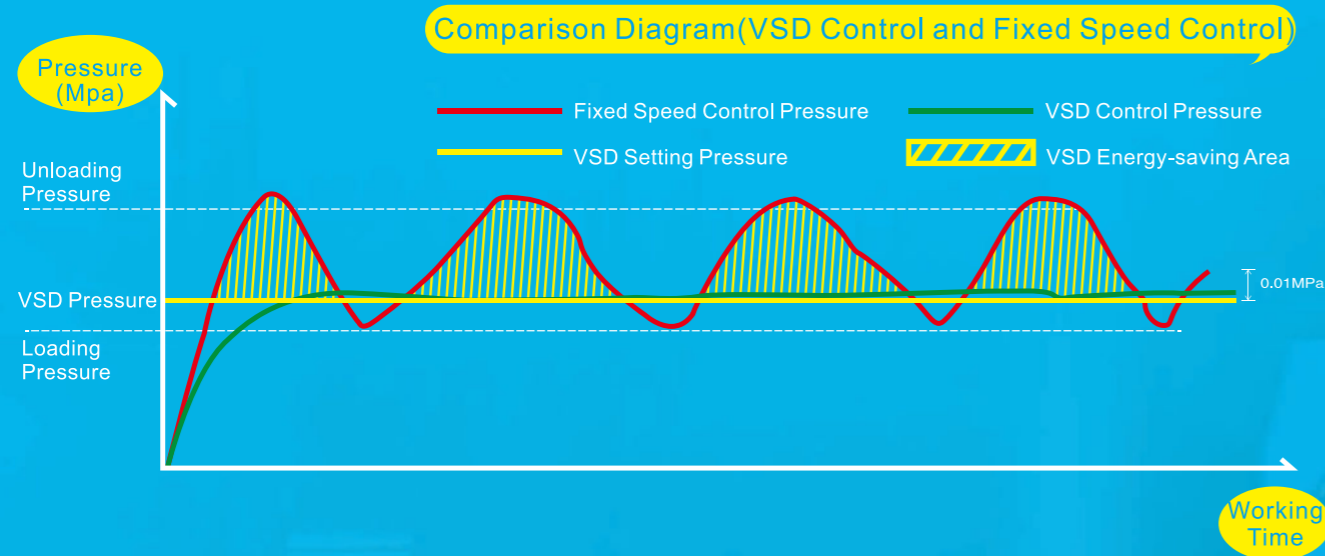
10836kw.h + 52800kw.h + 10836kw.h = 74472kw.h/year

Why Choose Olymtech VSD PM Compressor?



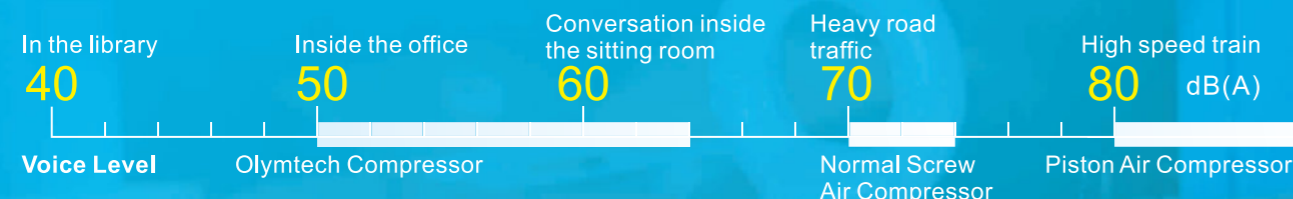
Compared with the normal fixed speed and normal VSD screw air compressor, in the small loading rate, the PM screw compressor has lower energy consumption and more energy saving.

Most factories will choose a compressor with 20% higher air volume as they consider pressure loss. There is a big fluctuation in the air consumption of any time (different time, every day, every year). It may result most of the loading rate is about 50% to 70%. The User spends unnecessary electricity charge, which means they can not reduce the product cost. Now the material cost is no longer the key product cost, the electricity charge had been the key product cost. So saving electricity means saving products cost, which make your products more competitive.



Air-end Operates Almost Silent

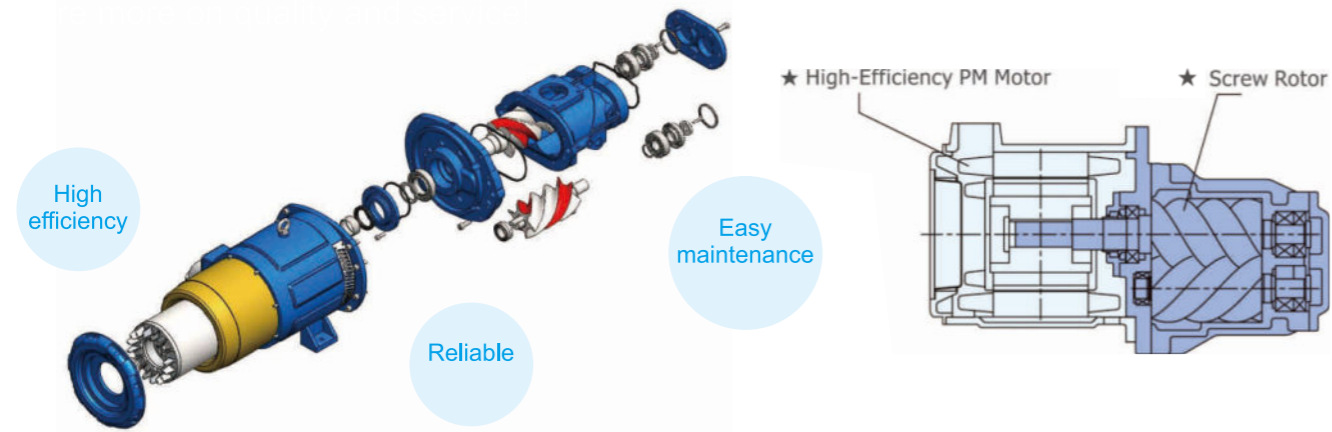
- Using advanced structural design, optimization of fluid and sound-absorbing materials and other methods, realise the ultra low operating sound.
- The fan can be controlled by the inverter, this can further reduce the noise (optional).
- Consider the sound pressure, sound quality, the volume of noise and other countermeasures, makes the noise drop to a minimum Level, ensures it is suitable for any factory.



40% Energy-saving

C series - Permanent Magnet Synchronous VSD Screw Air Compressor





Real Energy-Saving Products

Olymtech Permanent Magnet Motor Variable Speed Screw Air Compressor



CPM SERIES

Technical Parameter

CPM Series Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|---------------------|-----|-------------|-----|------------|-------------------|----------------------------|
| | bar | psig | m ³ /min | CFM | hp | kw | | | |
| C7.5PM-8 | 8 | 116 | 1.15 | 40 | 10 | 7.5 | G1/2" | 260 | 930X750X1210 |
| C11PM-8 | 8 | 116 | 1.7 | 60 | 15 | 11 | G1" | 450 | 1150x800x1135 |
| C15PM-8 | 8 | 116 | 2.6 | 91 | 20 | 15 | G1" | 480 | 1150x800x1135 |
| C15PM-10 | 10 | 145 | 2.2 | 77 | 30 | 22 | G1" | 500 | 1150x800x1135 |
| C22PM-8 | 8 | 116 | 3.6 | 127 | 40 | 30 | G1-1/2" | 650 | 1350x930x1255 |
| C22PM-10 | 10 | 145 | 3.2 | 113 | 50 | 37 | G1-1/2" | 680 | 1350x930x1255 |
| C30PM-8 | 8 | 116 | 5 | 176 | 60 | 45 | G1-1/2" | 930 | 1500x1125x1480 |
| C30PM-10 | 10 | 145 | 4.4 | 155 | 75 | 55 | G1-1/2" | 950 | 1500x1125x1480 |
| C37PM-8 | 8 | 116 | 6.5 | 229 | 100 | 75 | G2" | 1150 | 1700x1200x1600 |
| C37PM-10 | 10 | 145 | 5.6 | 197 | 120 | 90 | G2" | 1560 | 1900x1300x1900 |
| C45PM-8 | 8 | 116 | 8 | 282 | 145 | 110 | DN65 | 1700 | 2250x1500x1900 |
| C45PM-10 | 10 | 145 | 7 | 247 | 175 | 132 | DN65 | 1760 | 2250x1500x1900 |
| C55PM-8 | 8 | 116 | 10 | 353 | | | | | |
| C55PM-10 | 10 | 145 | 8.6 | 303 | | | | | |
| C75PM-8 | 8 | 116 | 13.12 | 463 | | | | | |
| C75PM-10 | 10 | 145 | 11.6 | 409 | | | | | |
| C90PM-8 | 8 | 116 | 15.2 | 537 | | | | | |
| C90PM-10 | 10 | 145 | 13.3 | 470 | | | | | |
| C110PM-8 | 8 | 116 | 20 | 706 | | | | | |
| C110PM-10 | 10 | 145 | 16.9 | 597 | | | | | |
| C132PM-8 | 8 | 116 | 22.5 | 795 | | | | | |
| C132PM-10 | 10 | 145 | 20.1 | 710 | | | | | |

- According to the standard of GB19153-2009
- Standard Power Supply: 380V/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor Stage: One Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C



JPM SERIES

Technical Parameter

JPM series Permanent Magnet VSD Screw Air Compressor(8/10 Bar)

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|--------|-----|-------------|-----|------------|-------------------|----------------------------|
| | bar | psig | m³/min | CFM | hp | kw | | | |
| J7.5PM-8 | 8 | 116 | 1.1 | 38 | 10 | 7.5 | G1/2" | 165 | 850*600*980 |
| J7.5PM-10 | 10 | 145 | 0.9 | 31 | | | | | |
| J7.5PM-13 | 12.5 | 182 | 0.8 | 28 | | | | | |
| J11PM-8 | 8 | 116 | 1.6 | 56 | 15 | 11 | G1" | 238 | 930*750*1205 |
| J11PM-10 | 10 | 145 | 1.4 | 49 | | | | | |
| J11PM-13 | 12.5 | 182 | 1.3 | 49 | | | | | |
| J15PM-8 | 8 | 116 | 2.6 | 91 | 20 | 15 | G1" | 238 | 930*750*1205 |
| J15PM-10 | 10 | 145 | 2.0 | 70 | | | | | |
| J15PM-13 | 12.5 | 182 | 1.8 | 63 | | | | | |
| J22PM-8 | 8 | 116 | 3.6 | 127 | 30 | 22 | G1" | 282 | 930*750*1205 |
| J22PM-10 | 10 | 145 | 3.0 | 105 | | | | | |
| J22PM-13 | 12.5 | 182 | 2.5 | 105 | | | | | |
| J30PM-8 | 8 | 116 | 5.0 | 176 | 45 | 30 | G1-1/2" | 458 | 1100*940*1415 |
| J30PM-10 | 10 | 145 | 4.3 | 151 | | | | | |
| J30PM-13 | 12.5 | 182 | 3.6 | 127 | | | | | |
| J37PM-8 | 8 | 116 | 6.4 | 226 | 50 | 37 | G1-1/2" | 458 | 1100*940*1415 |
| J37PM-10 | 10 | 145 | 5.4 | 190 | | | | | |
| J37PM-13 | 12.5 | 182 | 4.0 | 155 | | | | | |
| J45PM-8 | 10 | 145 | 7.5 | 264 | 60 | 45 | G1-1/2" | 458 | 1100*940*1415 |
| J45PM-10 | 8 | 116 | 6.5 | 229 | | | | | |
| J55PM-8 | 8 | 116 | 10.0 | 353 | 75 | 55 | G2" | 860 | 1580*1160*1600 |
| J55PM-10 | 10 | 145 | 8.0 | 282 | | | | | |
| J75PM-8 | 8 | 116 | 12.5 | 441 | 100 | 75 | G2" | 860 | 1580*1160*1600 |

(15 Bar)

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|----------|----------------------|------|--------|-----|-------------|----|------------|-------------------|----------------------------|
| | bar | psig | m³/min | CFM | hp | kw | | | |
| J15PM-15 | 15 | 217 | 1.6 | 26 | 20 | 15 | G1" | 238 | 930*750*1205 |
| J22PM-15 | 15 | 217 | 2.3 | 81 | 30 | 22 | G1" | 282 | 930*750*1205 |
| J30PM-15 | 15 | 217 | 3.1 | 109 | 45 | 30 | G1-1/2" | 458 | 1100*940*1415 |
| J37PM-15 | 15 | 217 | 3.3 | 116 | 50 | 37 | G1-1/2" | 458 | 1100*940*1415 |

- According to the standard of GB19153-2009
- Standard power supply: 380v/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15°C



DPM SERIES

Technical Parameter

DPM series Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|--------|-----|-------------|-----|------------|-------------------|----------------------------|
| | bar | psig | m³/min | CFM | hp | kw | | | |
| D7.5PM-8 | 8 | 116 | 1.02 | 36 | 10 | 7.5 | G1/2" | 125 | 850*600*840 |
| D7.5PM-10 | 10 | 145 | 0.9 | 31 | | | | | |
| D11PM-8 | 8 | 116 | 1.6 | 56 | 15 | 11 | G3/4" | 225 | 1050*750*1040 |
| D11PM-10 | 10 | 145 | 1.52 | 53 | | | | | |
| D15PM-8 | 8 | 116 | 2.3 | 81 | 20 | 15 | G3/4" | 240 | 1050*750*1040 |
| D15PM-10 | 10 | 145 | 2.0 | 70 | | | | | |
| D22PM-8 | 8 | 116 | 3.5 | 123 | 30 | 22 | G1" | 301 | 1160*800*1150 |
| D22PM-10 | 10 | 145 | 3.0 | 106 | | | | | |
| D30PM-8 | 8 | 116 | 4.24 | 149 | 40 | 30 | G1-1/4" | 430 | 1250*1030*1270 |
| D30PM-10 | 10 | 145 | 4.0 | 141 | | | | | |
| D37PM-8 | 8 | 116 | 6.2 | 219 | 50 | 37 | G1-1/4" | 460 | 1250*1030*1270 |
| D37PM-10 | 10 | 145 | 5.4 | 190 | | | | | |
| D45PM-8 | 8 | 116 | 7.47 | 263 | 60 | 45 | G2" | 840 | 1580*1160*1600 |
| D45PM-10 | 10 | 145 | 6.8 | 240 | | | | | |
| D55PM-8 | 8 | 116 | 10.0 | 353 | 75 | 55 | G2" | 860 | 1580*1160*1600 |
| D55PM-10 | 10 | 145 | 7.5 | 265 | | | | | |
| D75PM-8 | 8 | 116 | 12.5 | 441 | 100 | 75 | G2" | 930 | 1580*1160*1600 |
| D75PM-10 | 10 | 145 | 10.0 | 353 | | | | | |

- According to the standard of GB19153-2009
- Standard power supply: 380v/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15°C



CY SERIES

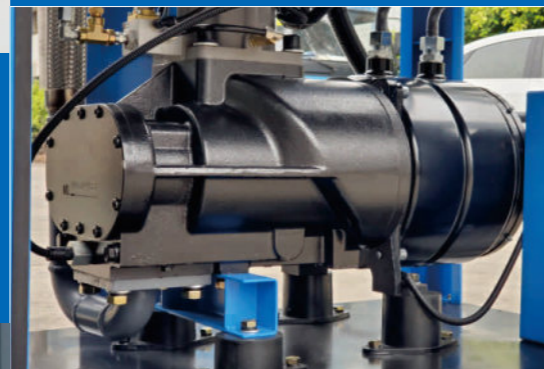
Oil Cooled Permanent Magnet VSD Screw Air Compressor

4 KEY PARTS BRING ENERGY SAVING & HIGH EFFICIENCY

Energy saving
40%



01 OIL COOLED
PERMANENT
MAGNET MOTOR

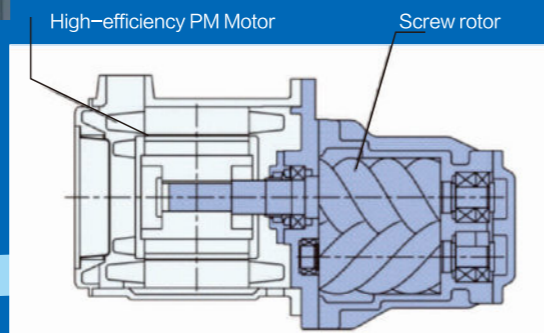


02 RELIABLE
AIR-END



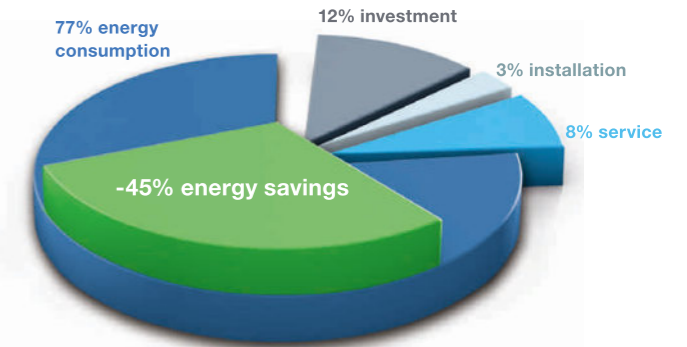
03 INVERTER
TECHNOLOGY

04 ONE-SHAFT
DRIVE



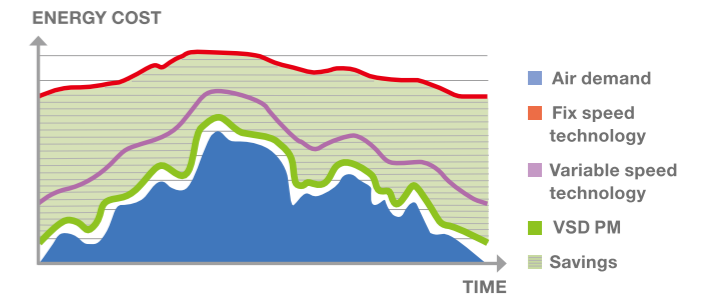
WHY ENERGY EFFICIENCY?

Energy costs represent about **77%** of the total operating cost of your compressor. That is Why efficiently reducing the energy consumption of your compressed air installation should be a major focus.



Why VSD (variable speed)?

As a majority of customers have a variable demand for compressed air, a variable speed compressor is superior VS a fixed speed compressor in terms of energy saving by perfectly matching air supply to air demand of avoiding unloading losses.



Why PM (permanent magnet motor)?

Permanent magnet is a high efficiency motor combines our variable speed technology with our new and highly efficient drive train, resulting in energy savings of up to **40%**



ENERGY SAVING REACH TO

Our energy-saving rate is the leading in the compressor market.

★★★
40%

Oil cooled motor

Newly Oil Cooled Motor

- IE5 super high efficiency oil cooled motor
Temperature resistance can reach to 180°C
- Ip65 motor protection level, suit for heavy duty factory (runs every 24 hours)
- No fan blade, wind resistance loss is 0.
- Even in low speed, the motor cooling volume is not changed. More reliable and longer service life.
- Lower noise because of the motor case is wrapped by the oil.

VS

Air cooled motor

Traditional Air Cooled Motor

- IE4 high efficiency air cooled motor
- Temperature resistance is 140°C
- IP23 or IP54 motor protection level can be chosen
- Wider adjust speed, torque suit for wider frequency setting

Newly oil cooled motor

Newly Oil Cooled Motor

- Mould forming for the newly motor, no welding point, 0 leakage risk.
- Small pressure difference because of the rotary oil passage.
- The cooling oil goes by arc shape, make sure the oil can be cooling uniformly.
- Easy for checking or repair.



VS

Traditional oil cooled motor

Traditional Oil Cooled Motor

- Need welding at the end and face of the oil passage, it will have the trachoma, deformation and oil leakage risks.
- Higher pressure difference, because of the small oil passage and the reciprocating oil way.
- Square oil passage, the oil can not flow in the corner, that will make the corner in higher temperature.
- Internal oil passage, it's not easy to check or repair.



OIL COOLED PM MOTOR VSD SCREW COMPRESSOR

Reliable Inverter Technology

- Average energy saving can reach 35% during air demand fluctuation.
- Won't waste air when unloading, no air leakage in normal operation.
- VSD starting can reduce the impact of the electric net work when starting.
- Reduce the leakage rate which caused by the system pressure
- Perfect match between the compressor and the inverter

Oil Cooled PM Motor

- Using the Nd-Fe-B magnet steel, Not only the temperature resistance can reach to 180°C, but also the energy efficiency can be higher than IE5.
- Advanced electromagnetic technology, ensure smaller heat loss and higher efficiency when same power supply.
- Compare with the SmCo magnet steel, though it's temperature resistance can reach to 350°C, but it's efficiency just can be IE4.

For Example: 22kW motor

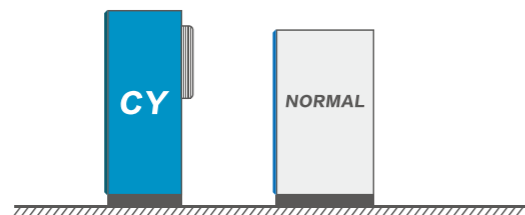
IE5: 95.1%

IE4: 94.8%

We test our oil cooled motor's efficiency is **96.5%**.

Tall-thin Design Save Space

- Side hot Air exhaust design, upright cooler.
- Upgrade compact design, CY series can save more space.



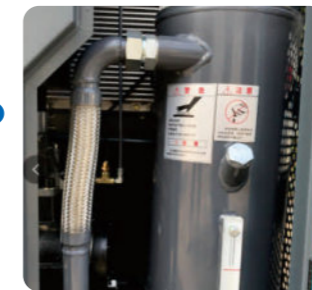
Full close top cover

- Prevent dust and water drop into the air compressor



Stable Intake Valve System

- Unique structural design for the intake valve.
- No oil splash out from intake valve when emergency stop or shutdown suddenly.



Durable Pipeline

- Using the stainless steel or Manuli hose as the oil pipe and air pipe, ensure more durable.
- Using the screw thread and plane O-ring as the sealing, that can dismantle easily and without leakage.

Side Hot Air Exhaust Design

- Using the suction air to instead of the blowing air.
- Traditional type is using the fan to blow the cooler, it has large resistance and noise.
- Side hot air exhaust, the cooler need to be placed vertically, not only avoid the dust falling on the cooler from the top, but also to protect the electrical components.



CY SERIES

Technical Parameter

CY Series Oil Cooled Permanent Magnet VSD Screw Air Compressor(Direct Drive)

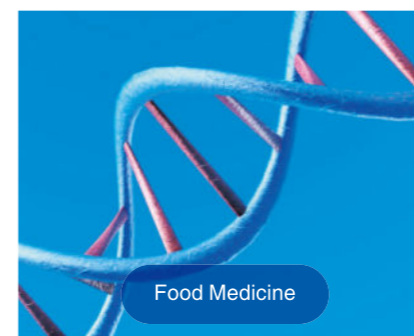
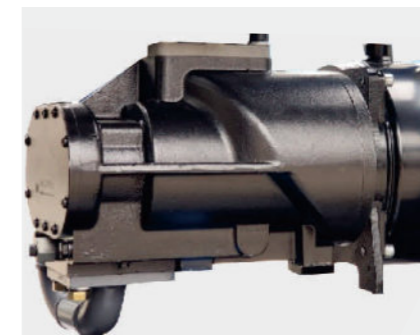
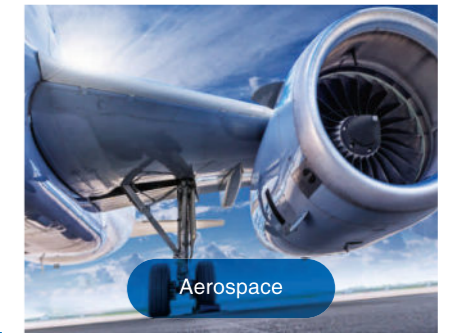
| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|---------|----------------------|------|---------------------|-----|-------------|----|------------|-------------------|----------------------------|
| | bar | psig | m ³ /min | CFM | hp | kw | | | |
| C15Y-7 | 7 | 102 | 2.5 | 88 | 20 | 15 | G1" | 280 | 1050*600*1125 |
| C15Y-8 | 8 | 116 | 2.6 | 91 | | | | | |
| C15Y-10 | 10 | 145 | 2.0 | 70 | | | | | |
| C22Y-7 | 7 | 102 | 3.8 | 134 | 30 | 22 | G1" | 295 | 1050*600*1125 |
| C22Y-8 | 8 | 116 | 3.6 | 127 | | | | | |
| C22Y-10 | 10 | 145 | 3.0 | 106 | | | | | |
| C37Y-7 | 7 | 102 | 6.7 | 236 | 50 | 37 | G1-1/2" | 425 | 1200*650*1500 |
| C37Y-8 | 8 | 116 | 6.5 | 229 | | | | | |
| C37Y-10 | 10 | 145 | 5.4 | 190 | | | | | |
| C55Y-7 | 7 | 102 | 10.2 | 360 | 75 | 55 | G2" | 860 | 1580*1160*1600 |
| C55Y-8 | 8 | 116 | 10.0 | 353 | | | | | |
| C55Y-10 | 10 | 145 | 8.0 | 282 | | | | | |
| C75Y-7 | 7 | 102 | 13.2 | 466 | 100 | 75 | G2" | 930 | 1580*1160*1600 |
| C75Y-8 | 8 | 116 | 12.5 | 441 | | | | | |
| C75Y-10 | 10 | 145 | 10.0 | 353 | | | | | |

- According to the standard of GB19153-2009
- Standard power supply: 380v/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15°C



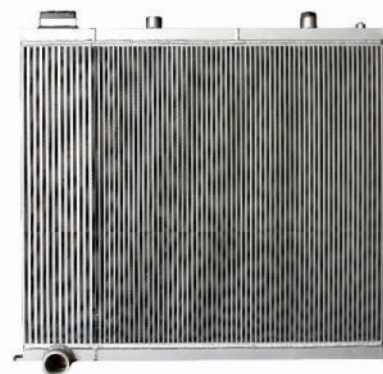
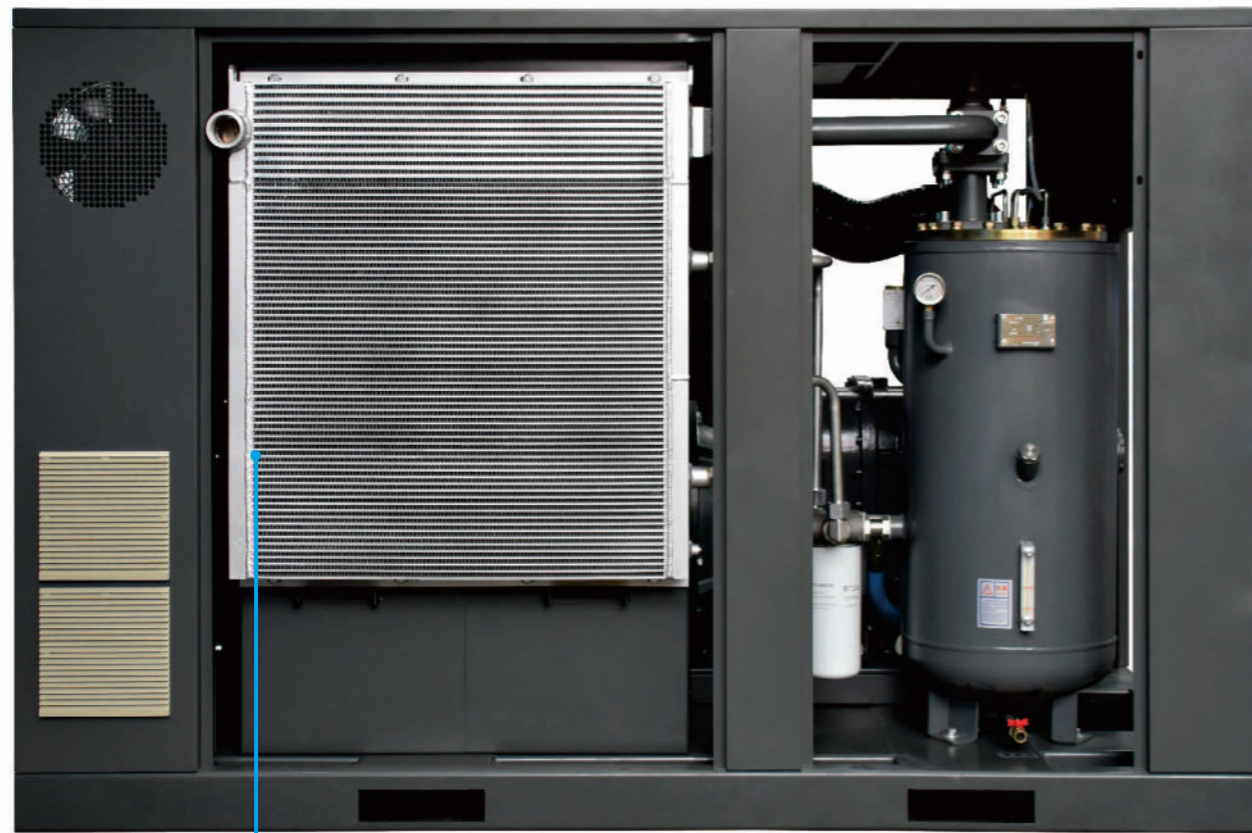
**APPLICATION
INDUSTRY**

OLYMTECH



Two-Stage Screw Air Compressor

- More Free Air Delivery • Energy Saving • Good Performance



Oversize cooling system

- We are using high efficiency fin-type cooler with large heat exchange area, good cooling efficiency
- Compressor suit for use in topical area



Two-stage air-end

- More free air delivery volume with same HP
- Low air-end speed ensures longer service life, lesser chance of overheating, leakage problem

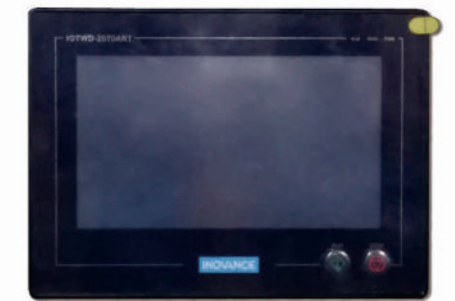
High efficiency permanent magnet motor

- Ip54 protection level, F insulation level
- Class IE4 permanent magnet motor saves extra 3-6% energy



Stable inverter

- No unloading power wastage, energy bill depends on how much you used
- Constant pressure setting function, no repetitious load-unload pressure operation, save power cost



Color touch screen

- 7-inch color touch screen, it with protection, remind, record and alarm function

Cylinder type intake valve

- Heavy duty and longer service life
- Special design for large air intake



2TF SERIES

Technical Parameter

2TF Series Two-Stage Fixed Speed Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|--------|------|-------------|-----|------------|-------------------|----------------------------|
| | bar | psig | m³/min | CFM | hp | kw | | | |
| 2TF22-8 | 8 | 116 | 4.1 | 144 | 30 | 22 | Rp1-1/2 | 589.5 | 1400*880*1350 |
| 2TF22-10 | 10 | 145 | 3.7 | 130 | | | | | |
| 2TF22-13 | 12.5 | 181 | 3.2 | 113 | | | | | |
| 2TF30-8 | 8 | 116 | 5.62 | 198 | 45 | 30 | Rp2 | 930 | 1600*1120*1540 |
| 2TF30-10 | 10 | 145 | 5.2 | 183 | | | | | |
| 2TF30-13 | 12.5 | 181 | 4.2 | 148 | | | | | |
| 2TF37-8 | 8 | 116 | 7.1 | 250 | 50 | 37 | Rp2 | 950 | 1600*1120*1540 |
| 2TF37-10 | 10 | 145 | 6.3 | 222 | | | | | |
| 2TF37-13 | 12.5 | 181 | 5.4 | 190 | | | | | |
| 2TF45-8 | 8 | 116 | 9.31 | 329 | 60 | 45 | Rp2 | 970 | 1600*1120*1540 |
| 2TF45-10 | 10 | 145 | 8.5 | 300 | | | | | |
| 2TF45-13 | 12.5 | 181 | 6.5 | 229 | | | | | |
| 2TF55-8 | 8 | 116 | 11.86 | 419 | 75 | 55 | Rp2 | 1860 | 2180*1390*1660 |
| 2TF55-10 | 10 | 145 | 9.6 | 339 | | | | | |
| 2TF55-13 | 12.5 | 181 | 8.6 | 303 | | | | | |
| 2TF75-8 | 8 | 116 | 15.6 | 551 | 100 | 75 | Rp2 | 1960 | 2180*1390*1660 |
| 2TF75-10 | 10 | 145 | 12.4 | 438 | | | | | |
| 2TF75-13 | 12.5 | 181 | 11 | 388 | | | | | |
| 2TF90-8 | 8 | 116 | 19.1 | 674 | 120 | 90 | Rp2-1/2 | 2360 | 2500*1630*1930 |
| 2TF90-10 | 10 | 145 | 15.9 | 561 | | | | | |
| 2TF90-13 | 12.5 | 181 | 14.3 | 505 | | | | | |
| 2TF110-8 | 8 | 116 | 21.6 | 763 | 100 | 110 | Rp2 | 1960 | 2180*1390*1660 |
| 2TF110-10 | 10 | 145 | 19.7 | 696 | | | | | |
| 2TF110-13 | 12.5 | 181 | 16 | 565 | | | | | |
| 2TF132-8 | 8 | 116 | 25.35 | 895 | 175 | 132 | Rp2-1/2 | 2445 | 2500*1630*1930 |
| 2TF132-10 | 10 | 145 | 22.3 | 788 | | | | | |
| 2TF132-13 | 12.5 | 181 | 19.8 | 699 | | | | | |
| 2TF160-8 | 8 | 116 | 32.33 | 1142 | 200 | 160 | DN100 | 3800 | 3600*2100*2280 |
| 2TF160-10 | 10 | 145 | 27.2 | 961 | | | | | |
| 2TF160-13 | 12.5 | 181 | 24.7 | 872 | | | | | |
| 2TF185-8 | 8 | 116 | 36.4 | 1286 | 250 | 185 | DN100 | 4100 | 3600*2100*2280 |
| 2TF185-10 | 10 | 145 | 31.8 | 1123 | | | | | |
| 2TF185-13 | 12.5 | 181 | 28.6 | 1010 | | | | | |
| 2TF220-8 | 8 | 116 | 45.6 | 1611 | 300 | 220 | DN100 | 3800 | 3600*2100*2280 |
| 2TF220-10 | 10 | 145 | 39.6 | 1399 | | | | | |
| 2TF220-13 | 12.5 | 181 | 35.4 | 1251 | | | | | |
| 2TF250-8 | 8 | 116 | 50.34 | 1779 | 335 | 250 | DN125 | 5600 | 3860*2100*2280 |
| 2TF250-10 | 10 | 145 | 45.1 | 1593 | | | | | |
| 2TF250-13 | 12.5 | 181 | 40.1 | 1417 | | | | | |
| 2TF315-8 | 8 | 116 | 60.83 | 2149 | 420 | 315 | DN100 | 3800 | 3600*2100*2280 |
| 2TF315-10 | 10 | 145 | 53.19 | 1879 | | | | | |
| 2TF315-13 | 12.5 | 181 | 44.82 | 1583 | | | | | |

- According to the standard of GB19153-2009
- Compressor stage: Two stage compression
- Standard power supply: 380v/50Hz/3Ph
- Exhaust temperature: ambient temperature + 15°C

Please contact us for any specification that is not within the above mentioned standards.

2TVPM SERIES

Technical Parameter

2TVPM Series Two-Stage Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-------------|----------------------|------|--------|------|-------------|-----|------------|-------------------|----------------------------|
| | bar | psig | m³/min | CFM | hp | kw | | | |
| 2TVPM22-8 | 8 | 116 | 4.1 | 144 | 30 | 22 | Rp1-1/2 | 589.5 | 1400*880*1350 |
| 2TVPM22-10 | 10 | 145 | 3.7 | 130 | | | | | |
| 2TVPM22-13 | 12.5 | 181 | 3.2 | 113 | | | | | |
| 2TVPM30-8 | 8 | 116 | 5.62 | 198 | 45 | 30 | Rp2 | 930 | 1600*1120*1540 |
| 2TVPM30-10 | 10 | 145 | 5.2 | 183 | | | | | |
| 2TVPM30-13 | 12.5 | 181 | 4.2 | 148 | | | | | |
| 2TVPM37-8 | 8 | 116 | 7.1 | 250 | 50 | 37 | Rp2 | 950 | 1600*1120*1540 |
| 2TVPM37-10 | 10 | 145 | 6.3 | 222 | | | | | |
| 2TVPM37-13 | 12.5 | 181 | 5.4 | 190 | | | | | |
| 2TVPM45-8 | 8 | 116 | 9.31 | 329 | 60 | 45 | Rp2 | 970 | 1600*1120*1540 |
| 2TVPM45-10 | 10 | 145 | 8.5 | 300 | | | | | |
| 2TVPM45-13 | 12.5 | 181 | 6.5 | 229 | | | | | |
| 2TVPM55-8 | 8 | 116 | 11.86 | 419 | 75 | 55 | Rp2 | 1860 | 2180*1390*1660 |
| 2TVPM55-10 | 10 | 145 | 9.6 | 339 | | | | | |
| 2TVPM55-13 | 12.5 | 181 | 8.6 | 303 | | | | | |
| 2TVPM75-8 | 8 | 116 | 15.6 | 551 | 100 | 75 | Rp2 | 1960 | 2180*1390*1660 |
| 2TVPM75-10 | 10 | 145 | 12.4 | 438 | | | | | |
| 2TVPM75-13 | 12.5 | 181 | 11 | 388 | | | | | |
| 2TVPM90-8 | 8 | 116 | 19.1 | 674 | 120 | 90 | Rp2-1/2 | 2360 | 2500*1630*1930 |
| 2TVPM90-10 | 10 | 145 | 15.9 | 561 | | | | | |
| 2TVPM90-13 | 12.5 | 181 | 14.3 | 505 | | | | | |
| 2TVPM110-8 | 8 | 116 | 21.6 | 763 | 100 | 110 | Rp2 | 1960 | 2180*1390*1660 |
| 2TVPM110-10 | 10 | 145 | 19.7 | 696 | | | | | |
| 2TVPM110-13 | 12.5 | 181 | 16 | 565 | | | | | |
| 2TVPM132-8 | 8 | 116 | 25.35 | 895 | 175 | 132 | Rp2-1/2 | 2445 | 2500*1630*1930 |
| 2TVPM132-10 | 10 | 145 | 22.3 | 788 | | | | | |
| 2TVPM132-13 | 12.5 | 181 | 19.8 | 699 | | | | | |
| 2TVPM160-8 | 8 | 116 | 32.33 | 1142 | 200 | 160 | DN100 | 3800 | 3600*2100*2280 |
| 2TVPM160-10 | 10 | 145 | 27.2 | 961 | | | | | |
| 2TVPM160-13 | 12.5 | 181 | 24.7 | 872 | | | | | |
| 2TVPM185-8 | 8 | 116 | 36.4 | 1286 | 250 | 185 | DN100 | 4100 | 3600*2100*2280 |
| 2TVPM185-10 | 10 | 145 | 31.8 | 1123 | | | | | |
| 2TVPM185-13 | 12.5 | 181 | 28.6 | 1010 | | | | | |
| 2TVPM220-8 | 8 | 116 | 45.6 | 1611 | 300 | 220 | DN100 | 3800 | 3600*2100*2280 |
| 2TVPM220-10 | 10 | 145 | 39.6 | 1399 | | | | | |
| 2TVPM220-13 | 12.5 | 181 | 35.4 | 1251 | | | | | |
| 2TVPM250-8 | 8 | 116 | 50.34 | 1779 | 335 | 250 | DN125 | 5600 | 3860*2100*2280 |
| 2TVPM250-10 | 10 | 145 | 45.1 | 1593 | | | | | |
| 2TVPM250-13 | 12.5 | 181 | 40.1 | 1417 | | | | | |
| 2TVPM315-8 | 8 | 116 | 60.83 | 2149 | 420 | 315 | DN100 | 3800 | 3600*2100*2280 |
| 2TVPM315-10 | 10 | 145 | 53.19 | 1879 | | | | | |
| 2TVPM315-13 | 12.5 | 181 | 44.82 | 1583 | | | | | |

- According to the standard of GB19153-2009
- Compressor stage: Two stage compression
- Standard power supply: 380v/50Hz/3Ph
- Exhaust temperature: ambient temperature + 15°C

Please contact us for any specification that is not within the above mentioned standards.

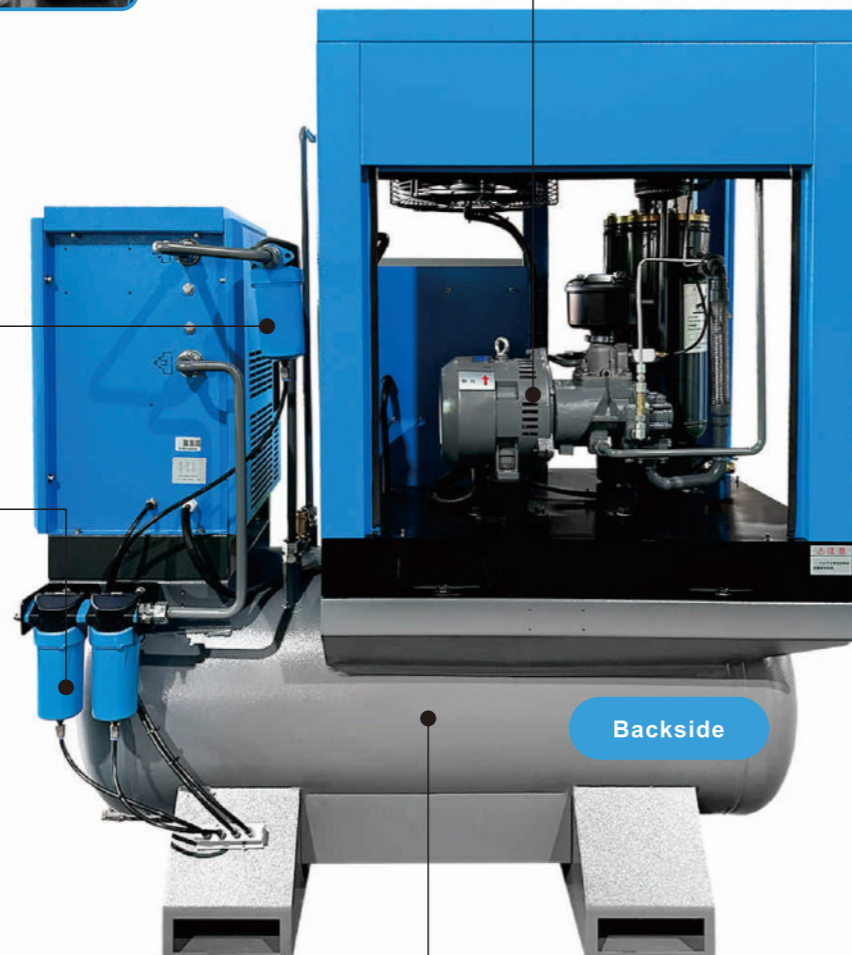
4IN1 Screw Air Compressor – JCTG Series



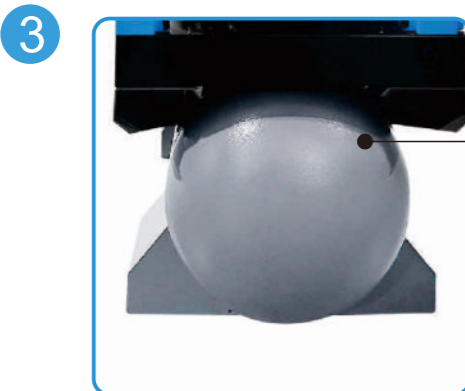
1 High Quality Air-End
Keep compressor stable running
Guaranteed no overheat problem
on continuous 100%load.



2 Line Air Filter
3 or 4pcs line air filter, remove
most of the liquid oil and water
as well as large solid particles.



Backside



3 Larger Volume Air Tank
Storage, buffer, cooling and
energy saving.



Front



4 PLC Controller
Colorful touch controller, easy for
operation with record, remain,
alarm protect function.

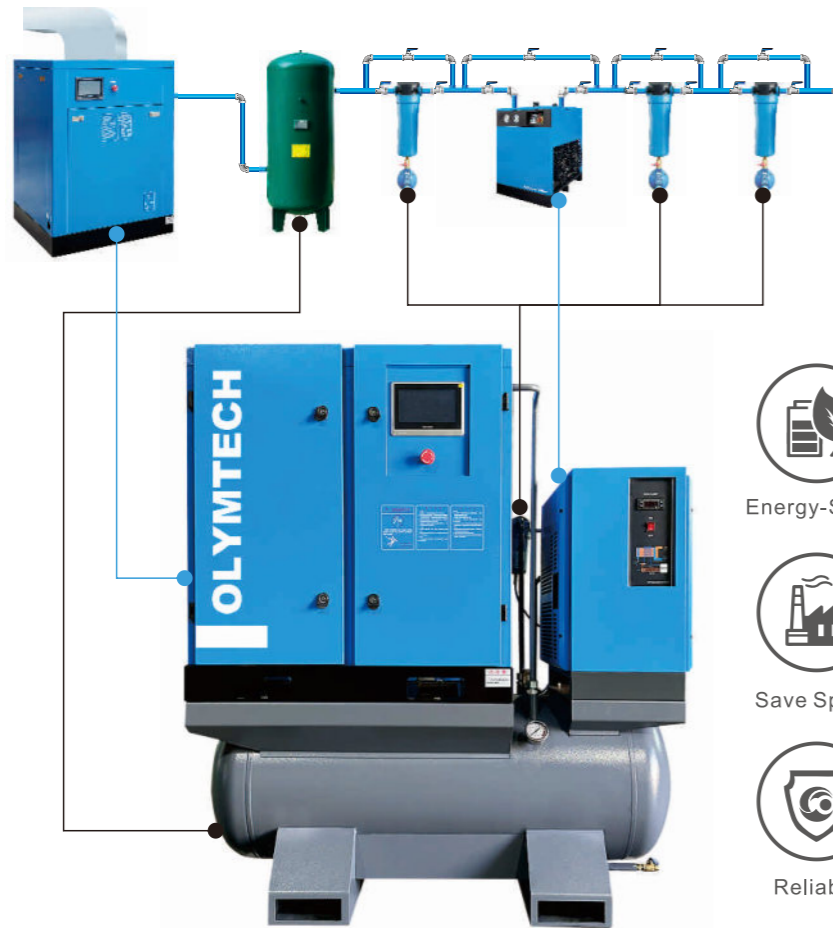


5 Refrigerated Air Dryer
Lower pressure dew point,
remove 98% water from air.



6 Reliable Inverter
Air supply = air demand,
no electricity wastage, no
unload wastage.

Regular Compressor System Chart VS 4 IN 1 Type



(J7.5CTG-8)



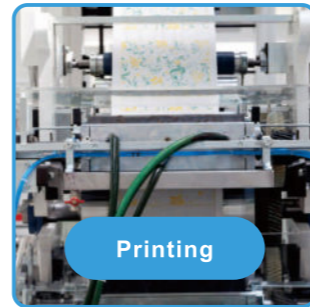
Energy-Saving



Save Space



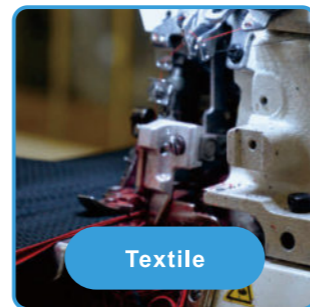
Reliable



Printing



Auto Industry



Textile

(Applicable to all walks of life)

Technical Parameter

JCTG series 4in1 Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Air Tank Capacity L | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|------------|----------------------|------|---------------------|-----|-------------|-----|------------------------|------------|-------------------|----------------------------|
| | bar | psig | m ³ /min | CFM | hp | kw | | | | |
| J7.5CTG-8 | 8 | 116 | 1.10 | 38 | 10 | 7.5 | 250 | G3/4" | 350 | 1430*800*1580 |
| J7.5CTG-10 | 10 | 145 | 0.90 | 31 | 10 | 7.5 | 250 | G3/4" | 350 | 1430*800*1580 |
| J11CTG-8 | 8 | 116 | 1.60 | 56 | 15 | 11 | 400 | G3/4" | 510 | 1850*950*1870 |
| J11CTG-10 | 10 | 145 | 1.40 | 49 | 15 | 11 | 400 | G3/4" | 510 | 1850*950*1870 |
| J15CTG-8 | 8 | 116 | 2.60 | 91 | 20 | 15 | 400 | G3/4" | 510 | 1850*950*1870 |
| J15CTG-10 | 10 | 145 | 2.00 | 70 | 20 | 15 | 400 | G3/4" | 510 | 1850*950*1870 |
| J22CTG-8 | 8 | 116 | 3.60 | 127 | 30 | 22 | 400 | G1" | 555 | 1850*950*1870 |
| J22CTG-10 | 10 | 145 | 3.00 | 106 | 30 | 22 | 400 | G1" | 555 | 1850*950*1870 |

(15 Bar-Special For Laser Cutting Machine)

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Air Tank Capacity L | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|---------------------|-----|-------------|----|------------------------|------------|-------------------|----------------------------|
| | bar | psig | m ³ /min | CFM | hp | kw | | | | |
| J11CTG-15 | 15 | 217 | 1.0 | 35 | 15 | 11 | 400 | G3/4" | 510 | 1850*950*1870 |
| J15CTG-15 | 15 | 217 | 1.6 | 56 | 20 | 15 | 400 | G3/4" | 510 | 1850*950*1870 |
| J22CTG-15 | 15 | 217 | 2.3 | 81 | 30 | 22 | 400 | G1" | 555 | 1850*950*1870 |

- According to the standard of GB19153-2009
- Compressor stage: one stage compression
- Standard power supply: 380v/50Hz/3Ph
- Exhaust temperature: ambient temperature +15°C
- Please contact us for any specification that is not within the above mentioned standards.

Why We Choose Compressed Air Be The Auxiliary Gas Of Laser Cutting Machine?



(16Bar – 4pcs line air filter)

- Advantage
Low cost, widely application.
- Applicable materials
Carbon steel, aluminum, aluminum alloy, stainless steel, brass, etc.
- Air supply pressure
13bar - 16bar.



Laser Cutting

Protect Your Laser Cutting Machine

After our search, the protective lens contacts with compressed air, if there is oil and water, the focused light will be dispersed, and the cutting efficiency will be reduced.

Therefore Olymtech 4in1 screw air compressor include 400L air tank, lower pressure dew point refrigerated air dryer and 4 level line air filter to protect your laser cutting machine, thus to reduce the factory operation cost.



SINGLE-PHASE

PERMEANT MAGNET VARIABLE SPEED
SCREW AIR COMPRESSOR



63±db(A)

Low-noise

VS



80-90 db(A)

Super noisy



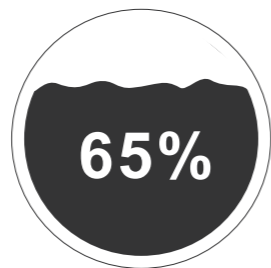
Permanent magnet motor



Ordinary asynchronous motor



IE4
Energy Efficiency



Low efficiency
waste of electricity

EF SERIES



(4IN1)

- ① High Efficiency!
- ② Energy Saving!
- ③ More Reliable!
- ④ Environment Protection!

Technical Parameter

EF series 4in1 Single-phase Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Air Tank Capacity L | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|------------|----------------------|------|---------|-------|-------------|-----|------------------------|------------|-------------------|----------------------------|
| | bar | psig | L/min | CFM | hp | kw | | | | |
| C5EF-8 | 8 | 116 | 200-400 | 7-14 | 5 | 3.7 | 130L | G1/2 | 165 | 1020*540*1035 |
| C5EF-10 | 10 | 145 | 175-350 | 6-12 | | | | | | |
| C5EF-12.5 | 12.5 | 182 | 150-300 | 5-10 | | | | | | |
| C6EF-8 | 8 | 116 | 250-500 | 8-17 | 6 | 4.5 | 130L | G1/2 | 165 | 1020*540*1035 |
| C6EF-10 | 10 | 145 | 210-420 | 7-14 | | | | | | |
| C6EF-12.5 | 12.5 | 182 | 180-360 | 6-12 | | | | | | |
| C7EF-8 | 8 | 116 | 315-630 | 11-22 | 7 | 5.5 | 130L | G1/2 | 165 | 1020*540*1035 |
| C7EF-10 | 10 | 145 | 275-550 | 9-19 | | | | | | |
| C7EF-12.5 | 12.5 | 182 | 210-420 | 7-14 | | | | | | |
| C10EF-8 | 8 | 116 | 490-980 | 17-34 | 10 | 7.5 | 220L | G1/2 | 270 | 1060*560*1270 |
| C10EF-10 | 10 | 145 | 450-900 | 15-31 | | | | | | |
| C10EF-12.5 | 12.5 | 182 | 400-800 | 14-28 | | | | | | |

- According to the standard of GB19153-2009
- Standard Power Supply: 220V/50Hz/1Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor Stage: One Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C

EV SERIES



(Only compressor)



“IE4” permanent magnet variable frequency motor ,high efficiency and energy saving.



Anti-emulsification Patent design , Ensure longer service life of the whole machine.

Technical Parameter

EV series Single-phase Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Air Tank Capacity L | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|------------|----------------------|------|---------|-------|-------------|-----|------------------------|------------|-------------------|----------------------------|
| | bar | psig | L/min | CFM | hp | kw | | | | |
| C5EV-8 | 8 | 116 | 200-400 | 7-14 | 5 | 3.7 | - | G1/2 | 98 | 800*540*755 |
| C5EV-10 | 10 | 145 | 175-350 | 6-12 | | | | | | |
| C5EV-12.5 | 12.5 | 182 | 150-300 | 5-10 | | | | | | |
| C6EV-8 | 8 | 116 | 250-500 | 8-17 | 6 | 4.5 | - | G1/2 | 98 | 800*540*755 |
| C6EV-10 | 10 | 145 | 210-420 | 7-14 | | | | | | |
| C6EV-12.5 | 12.5 | 182 | 180-360 | 6-12 | | | | | | |
| C7EV-8 | 8 | 116 | 315-630 | 11-22 | 7 | 5.5 | - | G1/2 | 98 | 800*540*755 |
| C7EV-10 | 10 | 145 | 275-550 | 9-19 | | | | | | |
| C7EV-12.5 | 12.5 | 182 | 210-420 | 7-14 | | | | | | |
| C10EV-8 | 8 | 116 | 490-980 | 17-34 | 10 | 7.5 | - | G1/2 | 130 | 800*560*860 |
| C10EV-10 | 10 | 145 | 450-900 | 15-31 | | | | | | |
| C10EV-12.5 | 12.5 | 182 | 400-800 | 14-28 | | | | | | |

- According to the standard of GB19153-2009
- Standard Power Supply: 220V/50Hz/1Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor Stage: One Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C

E SERIES



(2IN1)

- IE4 permanent magnet motor.
- Constant pressure and silence.
- Small space
- Large size air end, low speed, sufficient air volume.
- Six heavy-duty bearings, Morse taper connection.
- Easy to Install and maintain.

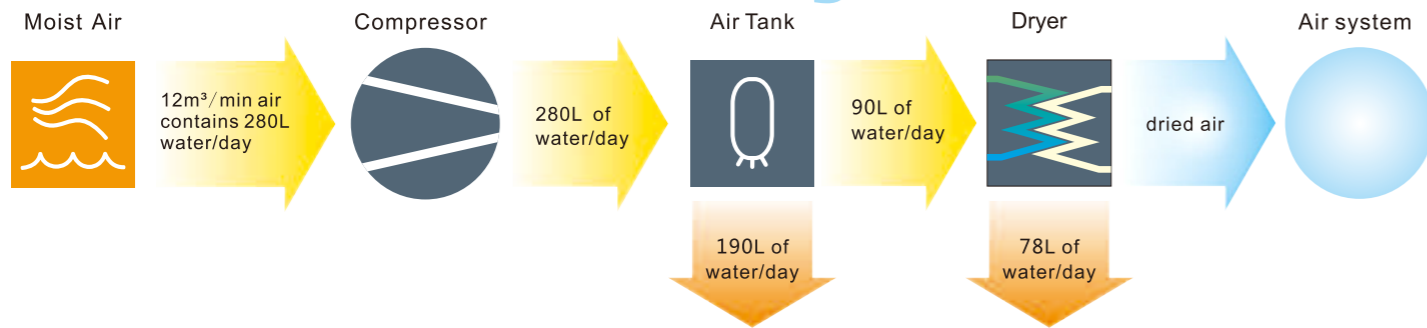
Technical Parameter

E series 2in1 Single-phase Permanent Magnet VSD Screw Air Compressor

| Model | Max Working Pressure | | F.A.D | | Motor Power | | Air Tank Capacity L | Connection | Net Weight kgs | Dimension (L*W*H) mm |
|-----------|----------------------|------|---------|-------|-------------|-----|------------------------|------------|-------------------|----------------------------|
| | bar | psig | L/min | CFM | hp | kw | | | | |
| C5E-8 | 8 | 116 | 200-400 | 7-14 | 5 | 3.7 | 100L | G1/2 | 125 | 1020*540*1035 |
| C5E-10 | 10 | 145 | 175-350 | 6-12 | | | | | | |
| C5E-12.5 | 12.5 | 182 | 150-300 | 5-10 | | | | | | |
| C6E-8 | 8 | 116 | 250-500 | 8-17 | 6 | 4.5 | 100L | G1/2 | 125 | 1020*540*1035 |
| C6E-10 | 10 | 145 | 210-420 | 7-14 | | | | | | |
| C6E-12.5 | 12.5 | 182 | 180-360 | 6-12 | | | | | | |
| C7E-8 | 8 | 116 | 315-630 | 11-22 | 7 | 5.5 | 100L | G1/2 | 125 | 1020*540*1035 |
| C7E-10 | 10 | 145 | 275-550 | 9-19 | | | | | | |
| C7E-12.5 | 12.5 | 182 | 210-420 | 7-14 | | | | | | |
| C10E-8 | 8 | 116 | 490-980 | 17-34 | 10 | 7.5 | 160L | G1/2 | 218 | 1060*560*1270 |
| C10E-10 | 10 | 145 | 450-900 | 15-31 | | | | | | |
| C10E-12.5 | 12.5 | 182 | 400-800 | 14-28 | | | | | | |

- According to the standard of GB19153-2009
- Standard Power Supply: 220V/50Hz/1Ph
- Please contact us for any specification that is not within the above mentioned standards.
- Compressor Stage: One Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C

Refrigerated Air Dryer



Why Need To Use The Refrigerated Air Dryer?

- ◆ Usually compressed air contains 100% vapor, these vapors are condensed together when the air would be cooled. The condensed water not only damages the compressor system, reduces tool efficiency, but also destroys your terminal products, corrodes piping and increases your maintenance costs.
- ◆ More than 90L water will enter into the compressor system everyday if without the air dryer. JIANYE refrigerated air dryer removes approximately 90% of water and ensures your application in good performance.



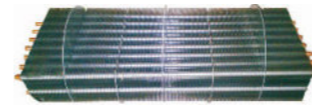
Transport and install conveniently, all pipes and wires of JIANYE refrigerated air dryer are connected before leaving manufactory.

No need to make any special installation foundation, just connect the power and turn the start button, the

We adopt thickness 0.5mm heat-exchanger and evaporator, thickness 1.0mm connected cooper pipe

Stong fan and advanced welding process, improve the cooling effect.

The Components of Refrigerated Air Dryer



01 Pre-cooler (Heat Exchange)

Inlet air and outlet air exchanges temperature in here which result in hot inlet air gets cool and cool outlet air gets warm.

Reducing the stress of air dryer, prolong the service life of dryer. Solving the pipe frosting problem.



02 Evaporator

The core component of the air dryer. Most vapor are condensed into liquid water due to compressed air is cooled by refrigerant, then water is discharged.

Evaporator is made from aluminum plate and thickness 0.5mm cooper pipe. It oversize and long cooling distance which result in good cooling effect.

Good welding technology that greatly reduce the refrigerant leakage rate.



03 Air-cooled Condenser

Refrigerant flows with S-shaped, cooling area increased greatly.

Continual cooling process, good cooling performance.



04 Refrigerant Compressor

The "HEART" of the air dryer, and refrigerant like "BLOOD".

We adopt Japan Panasonic refrigerant compressor, stable and high efficiency



05 High Pressure Switch High/Low Pressure Switch

An Important protective device.

Prevent fan and compressor from burning caused by high outlet pressure or low inlet pressure.

Ps: all model with a high pressure switch. Model BL0080-BL0500 with a high/low pressure switch.



06 Dry Filter

Filtering the impurities in the refrigerant, it ensures the cooling system not effected by moisture and impurity. Also it protects the refrigerant compressor, prolongs the service life of refrigerant.



07 Expansion Valve

It is one of the basic component of refrigerant system. It reduces the pressure and controls the flow rate of refrigerant to improve the cooling efficiency.

Ps: model BL0080-BL0500 with an expansion valve.



08 Hot Gas Bypass Valve

While air capacity of air dryer decrease, inner temperature of an evaporator will be down to 0 ° C. meanwhile the pipe will be blocked caused by the condensate water freeze-up.

Hot gas bypass valve can solve this freeze-up problem, ensure air dryer operate smoothly.

Ps: model BL0080-BL0500 with a hot gas bypass valve.



09 Electric Auto-Drain

Discharge the condenser water from air dryer automatically.

Discharge time and interval time can be adjusted by users.

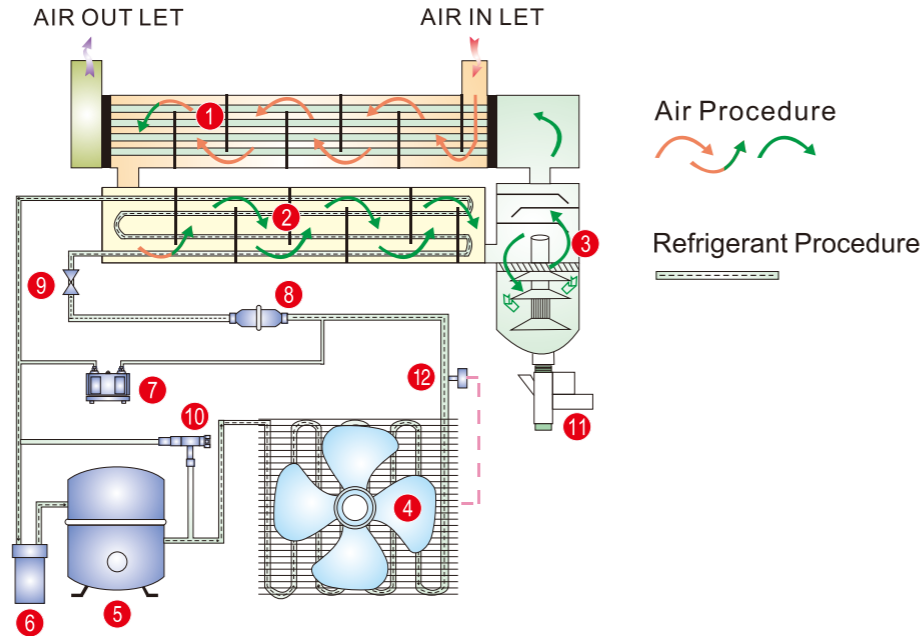
It's automatic, intelligent and low failure rate.

JIANYE

Refrigerated Air Dryer

► Operation Process

1. Pre-cooler / Heat Exchanger
2. Evaporator
3. Air / Water Separator
4. Air-cooled Condenser
5. Refrigerant Compressor
6. Refrigerant Reservoir
7. High-low Pressure switch
8. Dry Filter
9. Expansion Valve (Capillary)
10. Hot Gas Bypass Valve
11. Electric Auto-Drain
12. High Pressure Switch



Air Procedure:

The compressed air from "AIR INLET" enters into air dryer and goes through (1) Pre-cooler, the compressed air will be pre-cooled first, after that it flows through (2) Evaporator to get further cooler, the vapor of the compressed air is condensed because the air gets cool, when the cooled compressed air passes (3) Air/water separator, water will be discharged by (11) Electric auto-drain automatically. At last the dry and cool compressed air enters into the copper pipe of (1) Pre-cooler again, the outlet air and inlet air exchange the temperature in pre-cooler. Dry compressed air out from "AIR OUTLET".

Refrigerant Procedure:

The refrigerant will be compressed by (5) Refrigerant compressor, after that it is a high temperature and high pressure vapor, the refrigerant vapor enters into (4) Air-cooled condenser to get lower temperature, this moment refrigerant from a vapor to a liquid state, and then liquid refrigerant go through (8) Dryer filter to get purer, and then it pass by the (9) Expansion valve, the pressure of refrigerant becomes lower. Gas and liquid mixed refrigerant flow into copper pipe of (1) Evaporator to low down the compressed air temperature, finally refrigerant gets back to (5) Refrigerant reservoir, this is a circular process.



(Normal Pressure)



(High Pressure)

Technical Parameter

| Model | Air capacity | | Compressor Power | Power Supply | Air Connection | N.W. | Dimension(L×W×H) |
|--------|--------------|------|------------------|---------------|----------------|------|------------------|
| | m³/min | CFM | hp | v/hz/ph | -- | kg | mm |
| BL0005 | 0.8 | 28 | 0.25 | 220v/50hz/1ph | DN20(G3/4") | 50 | 400x800x640 |
| BL0010 | 1.8 | 64 | 0.35 | 220v/50hz/1ph | DN20(G3/4") | 55 | 400x800x640 |
| BL0020 | 2.8 | 99 | 0.5 | 220v/50hz/1ph | DN25(G1") | 65 | 400x800x780 |
| BL0030 | 3.8 | 134 | 0.75 | 220v/50hz/1ph | DN25(G1") | 68 | 400x800x780 |
| BL0040 | 5.5 | 194 | 1.25 | 220v/50hz/1ph | DN40(G1-1/2") | 90 | 500x860x880 |
| BL0060 | 6.8 | 240 | 1.5 | 220v/50hz/1ph | DN40(G1-1/2") | 95 | 500x860x880 |
| BL0080 | 8.8 | 311 | 2 | 220v/50hz/1ph | DN50(G2") | 130 | 700x900x1000 |
| BL0100 | 11.5 | 406 | 2.5 | 220v/50hz/1ph | DN50(G2") | 135 | 700x900x1000 |
| BL0120 | 14 | 494 | 3 | 380v/50hz/3ph | DN65(G2-1/2") | 160 | 700x1000x1000 |
| BL0150 | 16 | 565 | 4 | 380v/50hz/3ph | DN65(G2-1/2") | 165 | 800x1000x1000 |
| BL0200 | 22.8 | 805 | 5 | 380v/50hz/3ph | DN80(F3) | 250 | 700x1450x1160 |
| BL0250 | 28.5 | 1007 | 6 | 380v/50hz/3ph | DN80(F3) | 300 | 700x1450x1160 |
| BL0300 | 35 | 1236 | 8 | 380v/50hz/3ph | DN80(F3) | 400 | 1800x1000x1360 |
| BL0400 | 45 | 1589 | 10 | 380v/50hz/3ph | DN100(F4) | 500 | 2000x1000x1360 |
| BL0500 | 55 | 1943 | 12.5 | 380v/50hz/3ph | DN100(F4) | 600 | 2200x1100x1480 |

Operating Range:

- ◆ Working Pressure:0.6-1.3Mpa(normal pressure type) ◆ Ambient Temperature: 5-45℃ ◆ Max.Inlet Temperature:<80℃
- 3.0-4.0Mpa(high pressure type)

Standard Conditions:

- ◆ Air Inlet Temperature:38℃ ◆ Ambient Temperature:35℃ ◆ Working Pressure:0.7Mpa ◆ Pressure Dew Point:2-10℃
- ◆ Refrigerant:R22/R410A/R407C ◆ Cooling Method:air-cooled
- ◆ Please contact us for any specification that is not within the above mentioned standards.

Why Need To Use The LINE AIR FILTER ?

► The hidden danger of untreated air

There are about 140 million of dust particles in every cubic meter air.

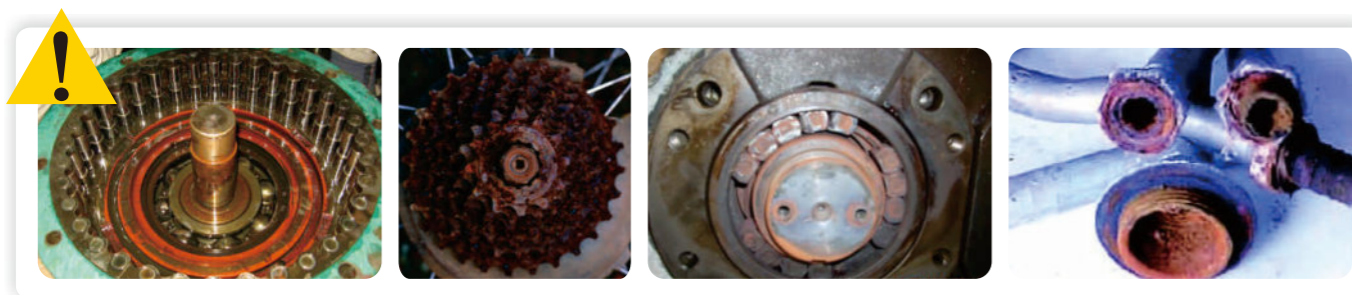
The polluted air can not be ignored because that is a huge threat for compressed air system and any machines.



► The bad quality of compressed air will cost you more money

The compressed air which contains water, dirt, rust particles and bacteria which will lead to the below problems,

- ◆ The tools and equipments will be broken down frequently. It will make them in a shorter lifetime, that will increase your maintenance fee and waste your production time.
- ◆ There are contaminated and other harmful materials in the end products.
- ◆ It will destroy the pipe of the compressed air system. And it will lead to the compressed air leakage.



► Features of JIANYE Line Air Filter

- ◆ **Advantage module design:** The filter element is separated from the shell and cover. It is easy to change the filter element.
- ◆ **Special treatment shell:** after a high strength fluorine carbon treatment, the lifetime of the shell up to 10 years.
- ◆ **Optimal sealing:** The line air filter is sealed by O-ring and epoxy resin ring that can avoid the air leakage problem.
- ◆ **High efficiency filter element:** The filter element is made by $\Phi 0.5\mu\text{m}$ borosilicate filter which thickness is 3000um and the density is 4% (the void is 96%). Therefore Jianye filter element in high capacity and with a longer lifetime.
- ◆ **Stable auto-drain:** It work intelligently. Simple structure with low consumption.



► Different Grades of Line Filters

AO Filter: Pre-filter

Get rid of the particles which bigger than $1\mu\text{m}$, also collect fluid oil and water, oil content in the air: $\leq 0.5 \text{ mg/m}^3(\text{PPM})$ at 21°C .

AA Filter: After-filter

Get rid of the vapor, oil mist and particles which bigger than $0.01\mu\text{m}$, oil content in the air: $\leq 0.01 \text{ mg/m}^3(\text{PPM})$ at 21°C (should prepose a AO filter)

AX Filter: High Efficiency filter

Get rid of the vapor, oil mist and particles which bigger than $0.01\mu\text{m}$, oil content in the air: $\leq 0.001 \text{ mg/m}^3(\text{PPM})$ at 21°C (should prepose a AO filter & AA filter)



ACS Filter: Activated carbon filter

Absorb oil vapour and hydrocarbon smell, oil content in the air: $\leq 0.003 \text{ mg/m}^3(\text{PPM})$ at 21°C (should prepose a AO filter & AA filter)

AR Filter: Common dedusting filter

Get rid of the particles which bigger than $1\mu\text{m}$. (should be installed after the adsorption air dryer)

AAR Filter: High Efficiency dedusting filter

Get rid of the particles which bigger than $0.01\mu\text{m}$. (should be installed after the adsorption air dryer)

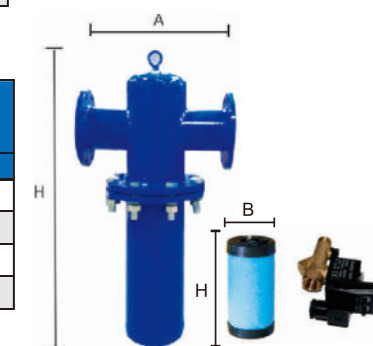
Technical Parameter (Conventional Air Filters)

| Model | Air Connection | Air Flow Rates | | Dimension (A×H) mm | N.W kg | Model (Filter Element) | Element Dimension (B×H) mm |
|-----------|----------------|----------------------|-----|-----------------------|-----------|---------------------------|----------------------------------|
| | | Nm ³ /min | CFM | | | | |
| BF0005(G) | DN20(G-3/4") | 0.8 | 28 | Φ100x270 | 1.1 | BE0005 | 43x95 |
| BF0010(G) | DN20(G-3/4") | 1.8 | 64 | Φ100x270 | 1.4 | BE0010 | 43x95 |
| BF0020(G) | DN25(G1") | 2.8 | 99 | Φ100x270 | 1.5 | BE0020 | 43x150 |
| BF0030(G) | DN25(G1") | 3.8 | 134 | Φ115x340 | 1.6 | BE0030 | 60x185 |
| BF0040(G) | DN40(G1-1/2") | 5.5 | 194 | Φ115x380 | 3.3 | BE0040 | 65x280 |
| BF0060(G) | DN40(G1-1/2") | 6.8 | 240 | Φ115x380 | 3.5 | BE0060 | 65x340 |
| BF0080(G) | DN50(G2") | 8.8 | 311 | Φ135x690 | 4.5 | BE0080 | 70x400 |
| BF0100(G) | DN50(G2") | 11.5 | 406 | Φ135x690 | 4.8 | BE0100 | 70x450 |
| BF0120(G) | DN65(G2-1/2") | 14 | 494 | Φ160x870 | 5.1 | BE0120 | 85x625 |
| BF0150(G) | DN65(G2-1/2") | 16 | 565 | Φ160x870 | 15 | BE0150 | 85x750 |



Technical Parameter (Flange Air Filters)

| Model | Air Connection | Air Flow Rates | | Dimension (A×H) mm | N.W kg | Model (Filter Element) | Element Dimension (B×H) mm |
|-----------|----------------|----------------------|------|-----------------------|-----------|---------------------------|----------------------------------|
| | | Nm ³ /min | CFM | | | | |
| BF0250(F) | DN80(F3) | 28.5 | 1007 | 220x790 | 37 | BE0250 | 115x425 |
| BF0300(F) | DN80(F3) | 35 | 1236 | 400x1036 | 42 | BE0300 | 115x525 |
| BF0400(F) | DN100(F4) | 45 | 1589 | 459x1076 | 58 | BE0400X2 | 115x645 |
| BF0500(F) | DN100(F4) | 55 | 1943 | 565x860 | 101 | BE044X3 | 115x425 |



Working conditions:

Max. operating temperature: $< 66^\circ\text{C}$
 Min. operating temperature: $< 1.5^\circ\text{C}$
 Max. operating pressure: $< 1.6\text{Mpa}$

If need the air filter is not in standard, please contact with the supplier

Standard configuration:

Shell + Filter Element + Auto Drain (conventional type).
 Shell + Filter Element + Electronic Drain (Flange type).

