Professional
Screw Air Compressor Factory

OLYMTECH

SCREW
AIR COMPRESSOR

2023 new arrival

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!

Contents

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

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

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℃ 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	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
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
- Compressor Stage: One Stage Compression
- Standard Power Supply: 380V/50Hz/3Ph
- Exhaust Temperature: Ambient Temperature + 15 ℃
- Please contact us for any specification that is not within the above mentioned standards.

OLYMTECH

CPM Series

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.

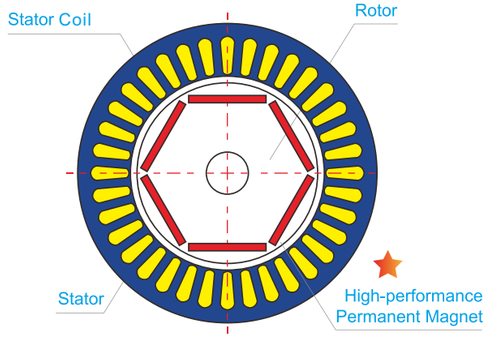
Permanent magnet synchronous motor for higher efficiency.

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

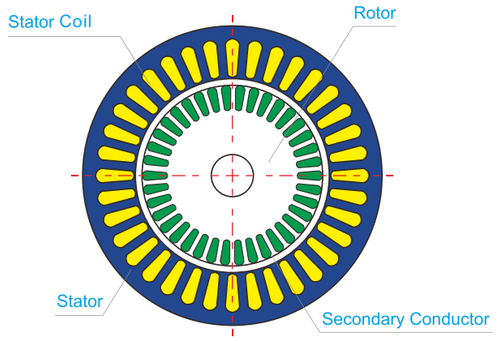
Can adjust the discharge air volume according to the air pressure.

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,

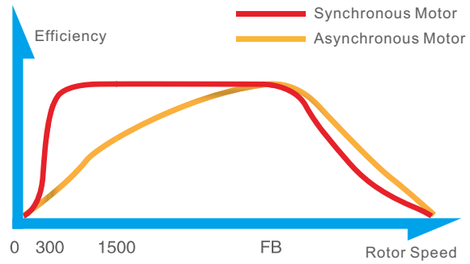
High Efficiency
It cancels the loss of the excitation system which improves efficiency 5%-12% .
The power factor is high , the force ratio of inertia is high.
The motor is in directed drive, without the speed slip loss, No need for the bearing and connection to drive, that can improve more than 3% efficiency.
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

OLYMTECH

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

35%

Smart inverte

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

2-5%

Permanent magnet motor

High efficiency IE3 permanent magnet motor reduces energy costs.

3-15%

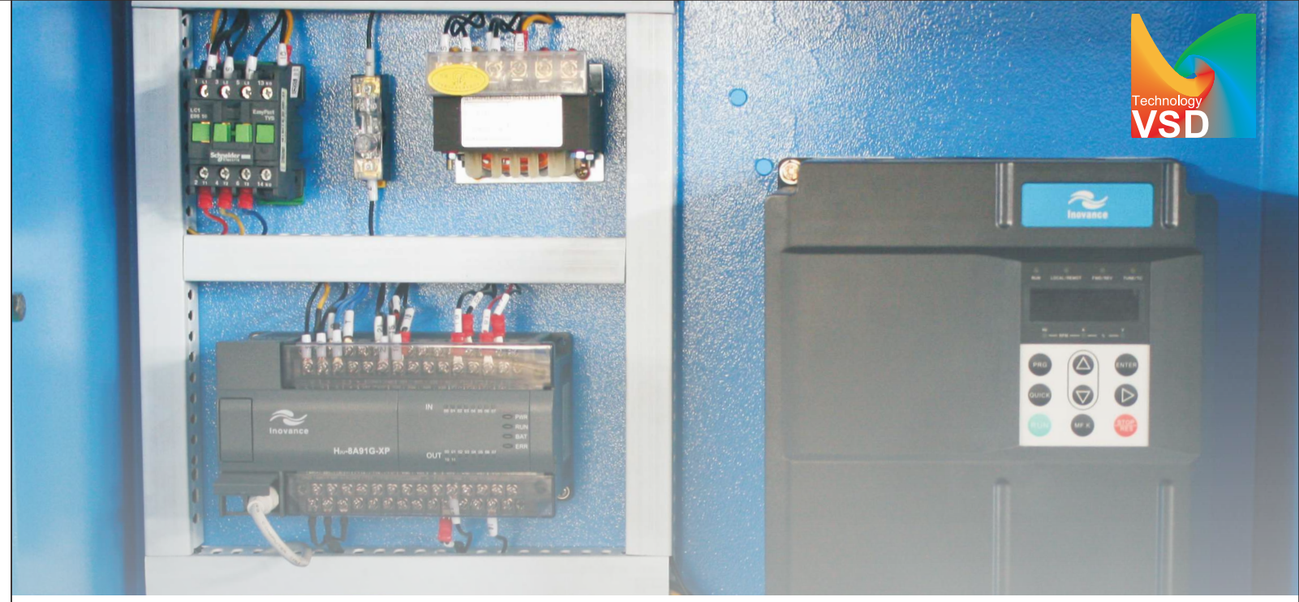
No unnecessary pressure

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

1-10%

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) x7% = 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

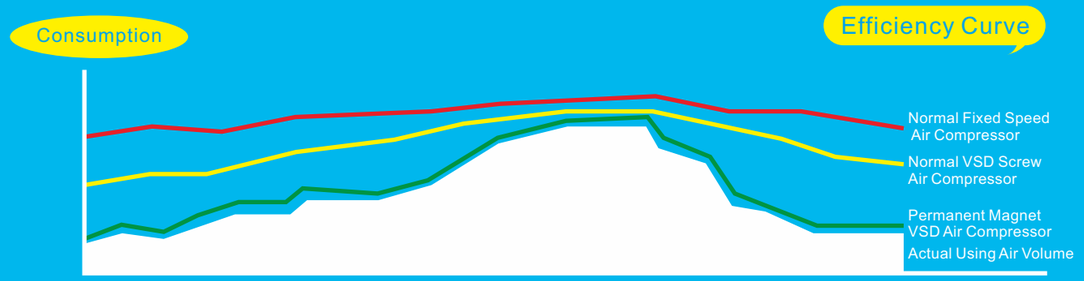
- When air compressor unloads, it consumes electric power approximately 50% but giving you nothing in return.
- For example a 37Kw compressor, if the loading rate is 60%, it means the unloading rate is 40%, it will waste 22kw when in unloading (full load is 37kw x 1.15 service factor x 50% =22kw). If 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) x7% = 10836kw.h
  Suspect electric charge USD0.2/kw.h, 1year save money:**10836kw.h x USD0.2/kw.h = USD2167.00**

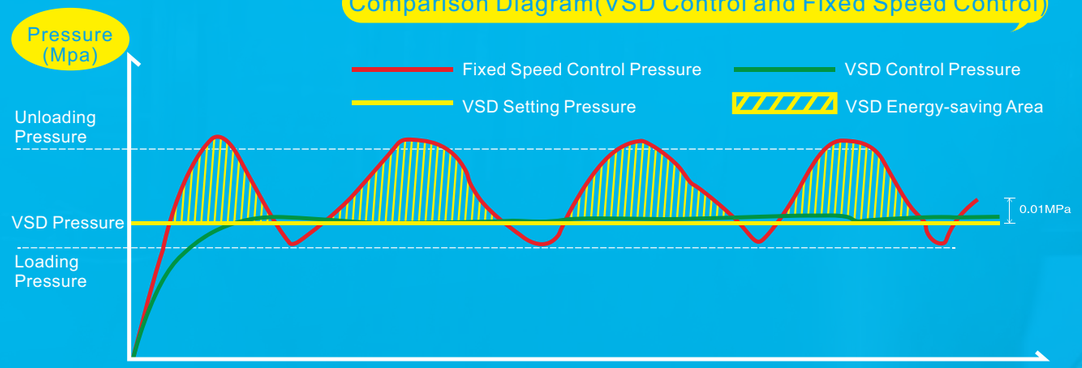
Compared with the normal frequency compressor, PM compressor can save electric charge more than 74,000 degree/year.
10836kw.h + 52800kw.h + 10836kw.h = 74472kw.h/year

Why Choose Olymtech VSD PM Compressor?



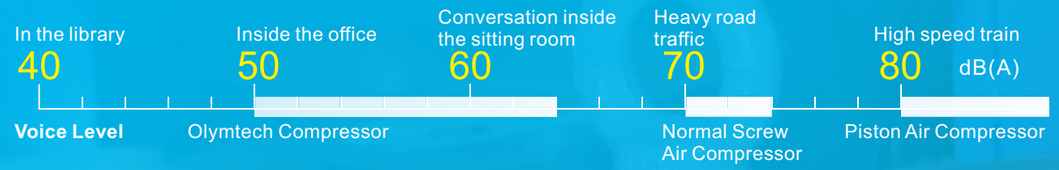
Compared with the normal fixed speed and normal VSD screw air compressor, in the small loading rate, the PM screw compressor has lower energy consumption and more energy saving.

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

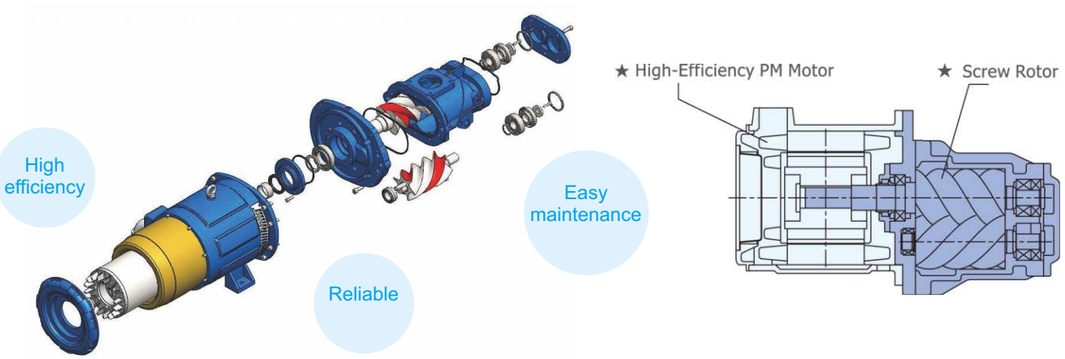
- **Using advanced structural design, optimization of fluid and sound-absorbing materials and other methods, realise the ultra low operating sound.**
- **The fan can be controlled by the inverter, this can further reduce the noise(optional).**
- **Consider the sound pressure, sound quality, the volume 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	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
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					
C22PM-8	8	116	3.6	127	30	22	G1"	500	1150x800x1135
C22PM-10	10	145	3.2	113					
C30PM-8	8	116	5	176	40	30	G1-1/2"	650	1350x930x1255
C30PM-10	10	145	4.4	155					
C37PM-8	8	116	6.5	229	50	37	G1-1/2"	680	1350x930x1255
C37PM-10	10	145	5.6	197					
C45PM-8	8	116	8	282	60	45	G1-1/2"	930	1500x1125x1480
C45PM-10	10	145	7	247					
C55PM-8	8	116	10	353	75	55	G1-1/2"	950	1500x1125x1480
C55PM-10	10	145	8.6	303					
C75PM-8	8	116	13.12	463	100	75	G2"	1150	1700x1200x1600
C75PM-10	10	145	11.6	409					
C90PM-8	8	116	15.2	537	120	90	G2"	1560	1900x1300x1900
C90PM-10	10	145	13.3	470					
C110PM-8	8	116	20	706	145	110	DN65	1700	2250x1500x1900
C110PM-10	10	145	16.9	597					
C132PM-8	8	116	22.5	795	175	132	DN65	1760	2250x1500x1900
C132PM-10	10	145	20.1	710					

- 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.

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	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
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	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
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 stardards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15℃

DPM SERIES

Technical Parameter

DPM series Permanent Magnet VSD Screw Air Compressor

Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
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 stardards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15℃

CY SERIES

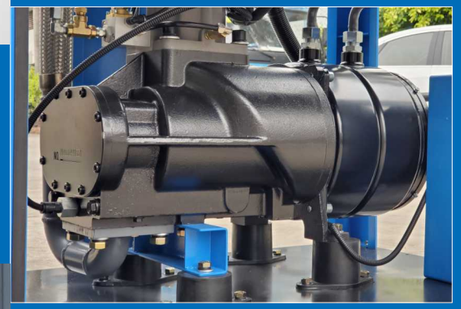
Oil Cooled Permanent Magnet VSD Screw Air Compressor

4 KEY PARTS

BRING ENERGY SAVING & HIGH EFFICIENCY

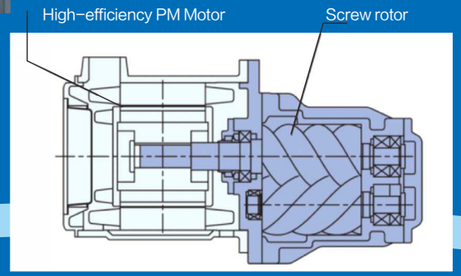
Energy saving 40%

01 OIL COOLED PERMANENT MAGNET MOTOR



02 RELIABLE AIR-END

03 INVERTER TECHNOLOGY



04 ONE-SHAFT DRIVE

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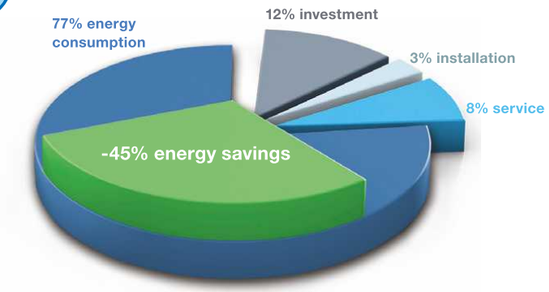
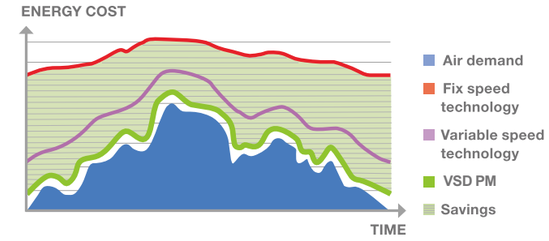
WHY ENERGY EFFICIENCY?

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%**

OLYMTECH

ENERGY SAVING REACH TO 40%

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

Oil cooled motor

Newly Oil Cooled Motor

- IE5 super high efficiency oil cooled motor Temperature resistance can reach to 180℃
- 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℃
- 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 uniformity.
- 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.

Traditional

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

Higher Efficiency

- Using the Nd-Fe-B magnet steel, Not only the temperature resistance can reach to 180℃,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℃,but it’s efficiency just can be IE4.

For Example: 22kW motor

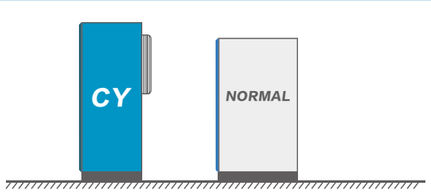
IE5: 95.1%

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.

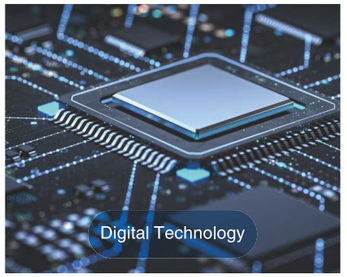
CY SERIES

Technical Parameter

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

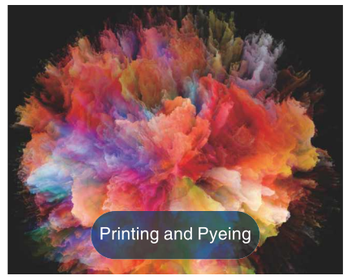
Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
C15Y-7	7	102	2.5	88	20	15	G1"	280	1050*600*1125
C15Y-8	8	116	2.6	91					
C15Y-10	10	145	2.0	70					
C22Y-7	7	102	3.8	134	30	22	G1"	295	1050*600*1125
C22Y-8	8	116	3.6	127					
C22Y-10	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 stardards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15℃



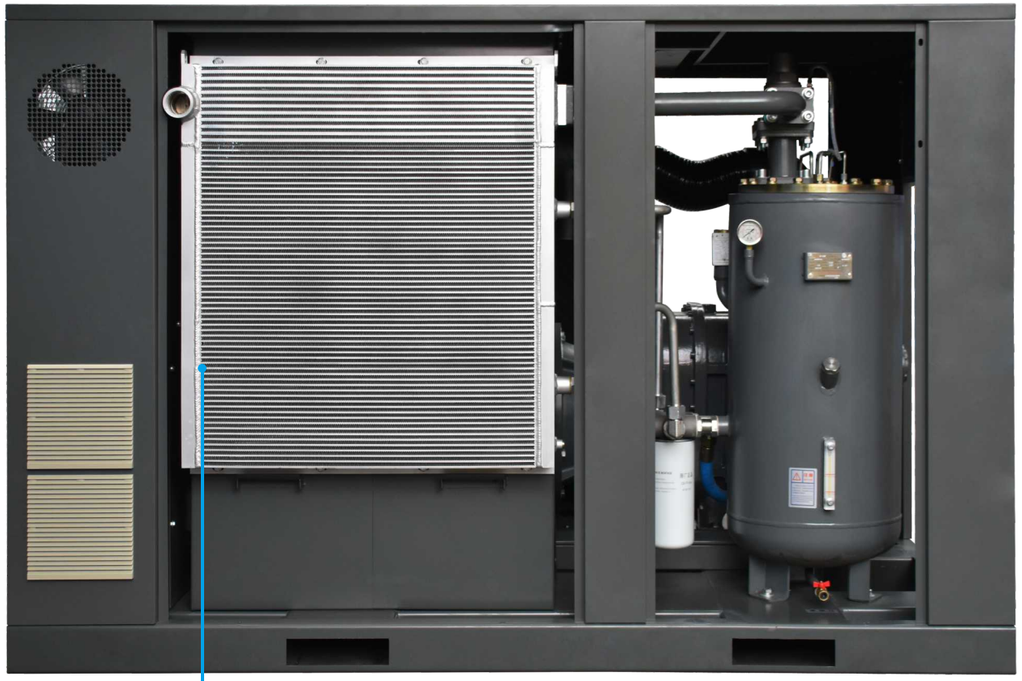
APPLICATION INDUSTRY

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 power
- Low air-end speed ensures longer service life, lesser chance of overheating & leakage problem

IE4 High efficiency permanent magnet motor

- IP54 protection level, F insulation level
- Class IE4 permanent magnet motor saves extra 3-6% energy

Stable inverter
2pcs inverter for main motor & fan motor

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

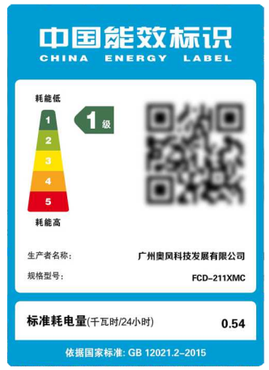
Color touch screen

- 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 volume intake

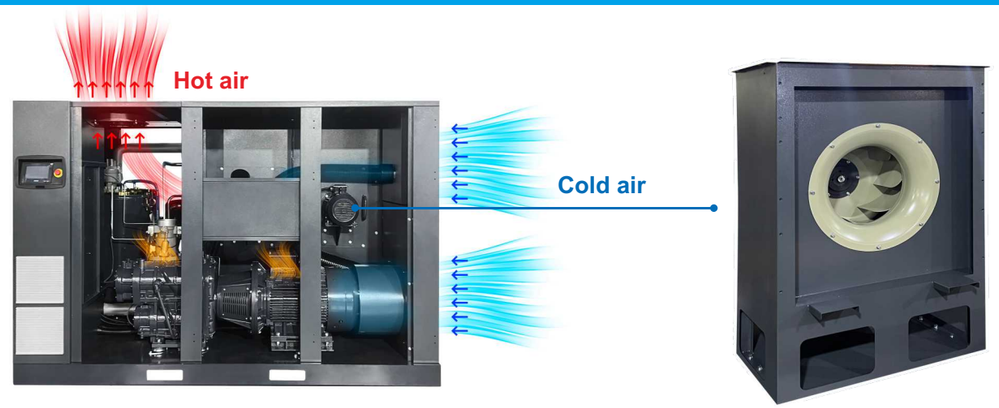
ENERGY EFFICIENCY LEVEL 1



Model	Register announcement date	Specific power (kw/(m3/min))	Level 1/Level 2 specific power standard (kw/(m3/min))	China energy efficiency system	Remark
2TVPM37	2023/3/16	6.6	7.0/7.6	V4.0	0.8Mpa,air cooled
2TVPM55	2023/3/16	6.1	6.8/7.3	V4.0	0.8Mpa,air cooled
2TVPM75	2023/3/16	5.9	6.6/7.1	V4.0	0.8Mpa,air cooled
2TVPM90	2023/3/16	6.2	6.5/7.0	V4.0	0.8Mpa,air cooled
2TVPM110	2023/3/16	6.1	6.4/6.9	V4.0	0.8Mpa,air cooled
2TVPM132	2023/3/16	6.1	6.4/6.9	V4.0	0.8Mpa,air cooled
2TVPM160	2023/3/16	6.1	6.3/6.8	V4.0	0.8Mpa,air cooled
2TVPM200	2023/3/16	6	6.3/6.8	V4.0	0.8Mpa,air cooled
2TVPM250	2023/3/16	6	6.2/6.7	V4.0	0.8Mpa,air cooled

Optimized cooling system

- The whole series two stage air compressor we have upgraded the cooling system, has separated the cold area and the hot area to ensure the air compressor can run in the high temperature environment.
- Equipped with the independent fan for electricity box, ensure inverter and electricity parts work smoothly.



Centrifugal fan

- using the centrifugal fan necessary for the high end air compressor, lower noise and have a much larger volume than the axial flow fan.hith good cooling performance

2TF SERIES

Technical Parameter

Two-Stage Fixed Speed Screw Air Compressor

Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
2TF55-8	8	116	11.60	409	75	55	DN50	1870	2590*1500*1640
2TF55-10	10	145	11.30	399					
2TF55-13	12.5	181	9.00	318					
2TF75-8	8	116	15.60	551	100	75	DN50	1940	2590*1500*1640
2TF75-10	10	145	11.60	409					
2TF75-13	12.5	181	11.30	399					
2TF90-8	8	116	18.50	653	120	90	DN65	2170	2990*1700*1963
2TF90-10	10	145	15.20	537					
2TF90-13	12.5	181	14.50	512					
2TF110-8	8	116	21.00	742	150	110	DN65	2330	2990*1700*1963
2TF110-10	10	145	18.50	653					
2TF110-13	12.5	181	16.00	565					
2TF132-8	8	116	24.70	872	175	132	DN65	2415	2990*1700*1963
2TF132-10	10	145	21.30	752					
2TF132-13	12.5	181	18.50	653					
2TF160-8	8	116	31.00	1095	200	160	DN80	3970	3450*1880*2120
2TF160-10	10	145	26.00	918					
2TF160-13	12.5	181	24.70	872					
2TF185-8	8	116	35.50	1254	250	185	DN80	4000	3450*1880*2120
2TF185-10	10	145	31.00	1095					
2TF185-13	12.5	181	26.00	918					
2TF200-8	8	116	40.00	1413	270	200	DN125	5550	3820*1980*2210
2TF200-10	10	145	35.50	1254					
2TF200-13	12.5	181	32.00	1130					
2TF220-8	8	116	45.00	1590	300	220	DN125	5650	3820*1980*2210
2TF220-10	10	145	40.00	1413					
2TF220-13	12.5	181	35.50	1254					
2TF250-8	8	116	50.00	1767	350	250	DN125	5950	3820*1980*2210
2TF250-10	10	145	45.00	1590					
2TF250-13	12.5	181	40.00	1413					
2TF315-8	8	116	61.00	2155	420	315	DN125	6200	4260x2100x2280
2TF315-10	10	145	54.00	1908					
2TF315-13	12.5	181	49.00	1731					
2TF315W-8	8	116	61.00	2155	420	315	DN125	7000	4260x2200x2300
2TF315W-10	10	145	54.00	1908					
2TF315W-13	12.5	181	49.00	1731					

Model with letter "W" mean water cooled type

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

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

2TVPM SERIES

Technical Parameter

Two-Stage Permanent Magnet VSD Screw Air Compressor

Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
2TVPM22-7	7	102	4.20	148	30	22	Rp1-1/2	700	1400*880*1350
2TVPM22-8	8	116	4.10	144					
2TVPM22-10	10	145	3.50	123					
2TVPM22-13	12.5	181	3.20	113					
2TVPM30-7	7	102	6.50	229	45	30	Rp1-1/2	950	1950*1100*1390
2TVPM30-8	8	116	6.00	212					
2TVPM30-10	10	145	4.90	173					
2TVPM30-13	12.5	181	4.20	148					
2TVPM37-7	7	102	7.20	254	50	37	Rp1-1/2	950	1950*1100*1390
2TVPM37-8	8	116	6.80	240					
2TVPM37-10	10	145	5.80	204					
2TVPM37-13	12.5	181	5.40	190					
2TVPM45-7	7	102	9.80	346	60	45	Rp1-1/2	980	1950*1100*1390
2TVPM45-8	8	116	8.20	289					
2TVPM45-10	10	145	7.40	261					
2TVPM45-13	12.5	181	6.60	233					
2TVPM55-7	7	102	12.80	452	75	55	DN50	1890	2590*1500*1640
2TVPM55-8	8	116	11.60	409					
2TVPM55-10	10	145	11.30	399					
2TVPM55-13	12.5	181	9.00	318					
2TVPM75-7	7	102	17.30	611	100	75	DN50	1960	2590*1500*1640
2TVPM75-8	8	116	15.60	551					
2TVPM75-10	10	145	11.60	409					
2TVPM75-13	12.5	181	11.30	399					
2TVPM90-7	7	102	20.80	735	120	90	DN65	2200	2990*1700*1963
2TVPM90-8	8	116	18.50	653					
2TVPM90-10	10	145	15.20	537					
2TVPM90-13	12.5	181	14.50	512					
2TVPM110-7	7	102	24.50	865	150	110	DN65	2360	2990*1700*1963
2TVPM110-8	8	116	21.00	742					
2TVPM110-10	10	145	18.50	653					
2TVPM110-13	12.5	181	16.00	565					
2TVPM132-7	7	102	30.00	1060	175	132	DN65	2445	2990*1700*1963
2TVPM132-8	8	116	24.70	872					
2TVPM132-10	10	145	21.30	752					
2TVPM132-13	12.5	181	18.50	653					
2TVPM160-7	7	102	34.50	1219	200	160	DN80	4000	3450*1880*2120
2TVPM160-8	8	116	31.00	1095					
2TVPM160-10	10	145	26.00	918					
2TVPM160-13	12.5	181	24.70	872					
2TVPM185-7	7	102	41.00	1448	250	185	DN80	4050	3450*1880*2120
2TVPM185-8	8	116	35.50	1254					
2TVPM185-10	10	145	31.00	1095					
2TVPM185-13	12.5	181	26.00	918					

Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
2TVPM200-7	7	102	43.00	1519	270	200	Dn125	5600	3820*1980*2210
2TVPM200-8	8	116	40.00	1413					
2TVPM200-10	10	145	35.50	1254					
2TVPM200-13	12.5	181	32.00	1130					
2TVPM220-7	7	102	48.60	1717	300	220	DN125	5700	3820*1980*2210
2TVPM220-8	8	116	45.00	1590					
2TVPM220-10	10	145	40.00	1413					
2TVPM220-13	12.5	181	35.50	1254					
2TVPM250-7	7	102	55.00	1943	350	250	DN125	6000	3820*1980*2210
2TVPM250-8	8	116	50.00	1767					
2TVPM250-10	10	145	45.00	1590					
2TVPM250-13	12.5	181	40.00	1413					
2TVPM315-8	8	116	61.00	2155	420	315	DN125	6200	4260x2100x2280
2TVPM315-10	10	145	54.00	1908					
2TVPM315-13	12.5	181	49.00	1731					
2TVPM315W-8	8	116	61.00	2155	420	315	DN125	7000	4260x2200x2300
2TVPM315W-10	10	145	54.00	1908					
2TVPM315W-13	12.5	181	49.00	1731					

Model with letter "W" mean water cooled type

- 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 stardards.
- Compressor stage: Two stage compression
- Exhaust temperature: ambient temperature +15℃

2LTVPM 5bar SERIES

Technical Parameter

Two-Stage Permanent Magnet VSD Screw Air Compressor（5bar）

Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw		kgs	mm
2LTVPM37-5	5	73	8.20	289	50	37	Rp1-1/2	950	1950*1100*1390
2LTVPM45-5	5	73	9.30	328	60	45	Rp1-1/2	980	1950*1100*1390
2LTVPM55-5	5	73	15.60	551	75	55	DN50	1890	2590*1500*1640
2LTVPM75-5	5	73	19.10	674	100	75	DN65	2200	2990*1700*1963
2LTVPM90-5	5	73	21.10	745	120	90	DN65	2280	2990*1700*1963
2LTVPM110-5	5	73	25.50	901	150	110	DN65	2430	2990*1700*1963
2LTVPM132-5	5	73	31.50	1113	175	132	DN80	3920	3450*1880*2120
2LTVPM160-5	5	73	36.70	1296	200	160	DN80	4000	3450*1880*2120
2LTVPM185-5	5	73	41.50	1466	250	185	DN125	5550	3820*1980*2210
2LTVPM200-5	5	73	45.80	1618	270	200	DN125	5700	3820*1980*2210
2LTVPM220-5	5	73	51.00	1802	300	220	DN125	5800	3820*1980*2210

- 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 stardards.
- Compressor stage: Two stage compression
- Exhaust temperature: ambient temperature +15℃

4IN1 Screw Air Compressor – JCTG Series

1

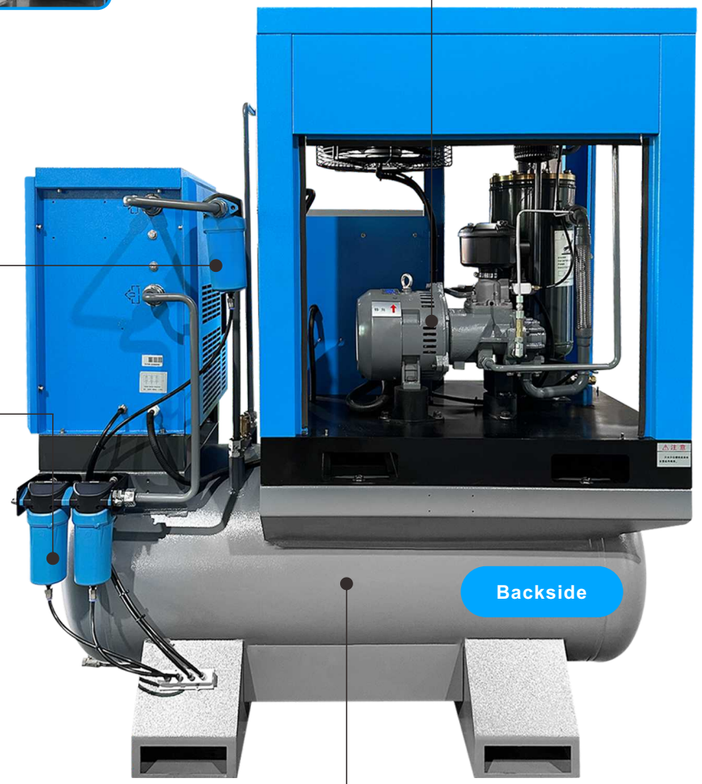
High Quality Air-End

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.



3

Larger Volume Air Tank

Storage, buffer, cooling and
energy saving.

4

PLC Controller

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

5

Refrigerated Air Dryer

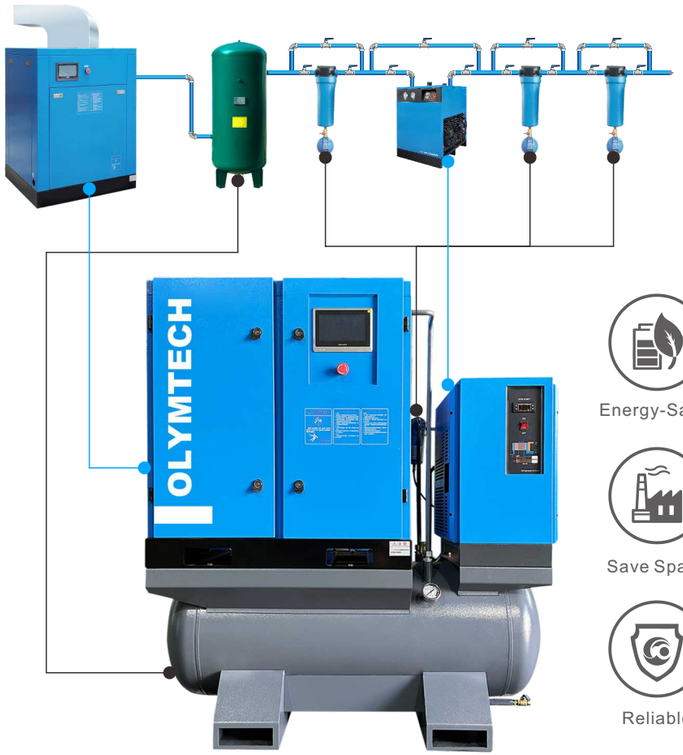
Lower pressure dew point,
remove 98% water from air.

6

Reliable Inverter

Air supply = air demand,
no electricity wastage, no
unload wastage.

Regular Compressor System Chart VS **4 IN 1 Type**

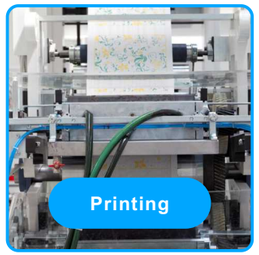


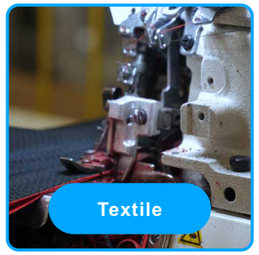
Energy-Saving

Save Space

Reliable

(J7.5CTG-8)



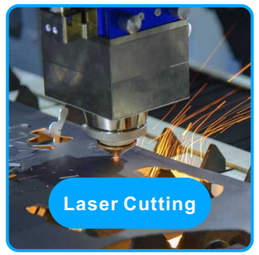


(Applicable to all walks of life)

(16Bar – 4pcs line air filter)

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

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



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.

Technical Parameter

JCTG series 4in1 Permanent Magnet VSD Screw Air Compressor

Model	Max Working Pressure		F.A.D		Motor Power		Air Tank Capacity	Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw	L		kgs	mm
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						
J11CTG-8	8	116	1.60	56	15	11	400	G3/4”	510	1850*950*1870
J11CTG-10	10	145	1.40	49						
J15CTG-8	8	116	2.60	91	20	15	400	G3/4”	510	1850*950*1870
J15CTG-10	10	145	2.00	70						
J22CTG-8	8	116	3.60	127	30	22	400	G1”	555	1850*950*1870
J22CTG-10	10	145	3.00	106						

(15 Bar-Special For Laser Cutting Machine)

Model	Max Working Pressure		F.A.D		Motor Power		Air Tank Capacity	Connection	Net Weight	Dimension (L*W*H)
	bar	psig	m³/min	CFM	hp	kw	L		kgs	mm
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
- Standard power supply: 380v/50Hz/3Ph
- Please contact us for any specification that is not within the above mentioned stardards.
- Compressor stage: one stage compression
- Exhaust temperature: ambient temperature +15℃

SINGLE-PHASE

PERMEANT MAGNET VARIABLE SPEED SCREW AIR COMPRESSOR

Vs

63±db(A)

Low-noise

80-90 db(A)

Super noisy

Permanent magnet motor

Ordinary asynchronous motor

IE4
Energy Efficiency

Low efficiency
waste of electricity

EF SERIES

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

(4IN1)

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	Connection	Net Weight	Dimension (L*W*H)
	bar	psig	L/min	CFM	hp	kw	L		kgs	mm
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
- Compressor Stage: One Stage Compression
- Standard Power Supply: 220V/50Hz/1Ph
- Exhaust Temperature: Ambient Temperature + 15
- Please contact us for any specification that is not within the above mentioned standards.

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	Connection	Net Weight	Dimension (L*W*H)
	bar	psig	L/min	CFM	hp	kw	L		kgs	mm
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
- Compressor Stage: One Stage Compression
- Standard Power Supply: 220V/50Hz/1Ph
- Exhaust Temperature: Ambient Temperature + 15 ℃
- Please contact us for any specification that is not within the above mentioned standards.

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.

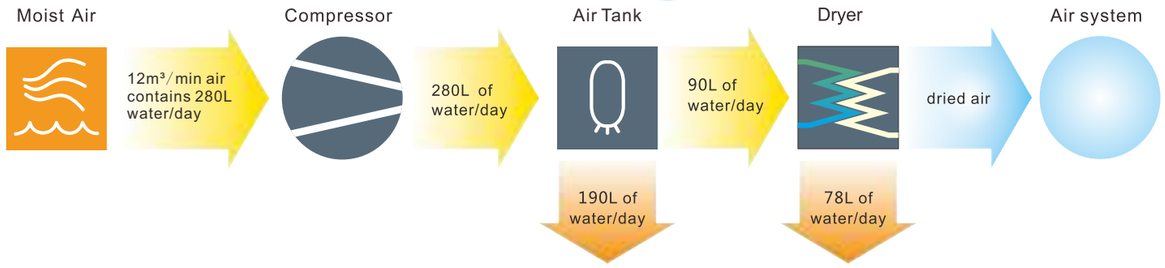
Technical Parameter

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

Model	Max Working Pressure		F.A.D		Motor Power		Air Tank Capacity	Connection	Net Weight	Dimension (L*W*H)
	bar	psig	L/min	CFM	hp	kw	L		kgs	mm
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
- Compressor Stage: One Stage Compression
- Standard Power Supply: 220V/50Hz/1Ph
- Exhaust Temperature: Ambient Temperature + 15 ℃
- Please contact us for any specification that is not within the above mentioned standards.

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.

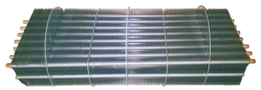
Transport and install conveniently, all pipes and wires of JIANYE refrigerated air dryer are connected before leaving manufactory.

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.

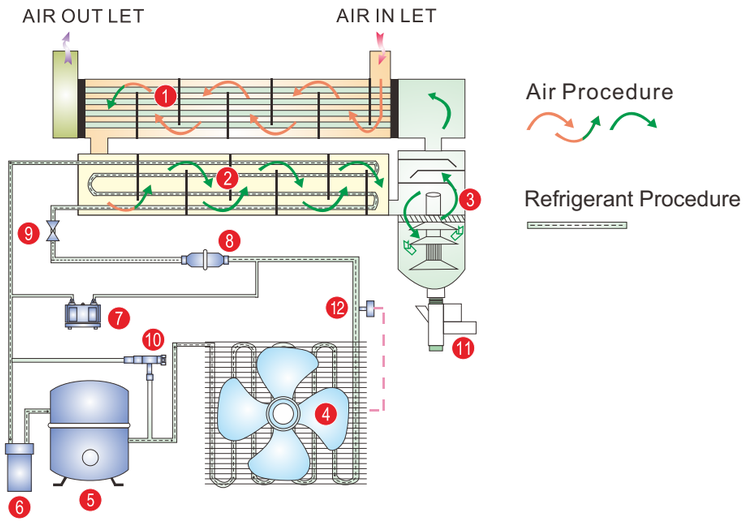
It's automatic, intelligent and low failure rate.

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

Refrigerant Procedure

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 gets 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)
--	m^3/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) 3.0-4.0Mpa(high pressure type) ◆ Ambient Temperature: 5-45℃ ◆Max.Inlet Temperature:＜80℃

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 ?

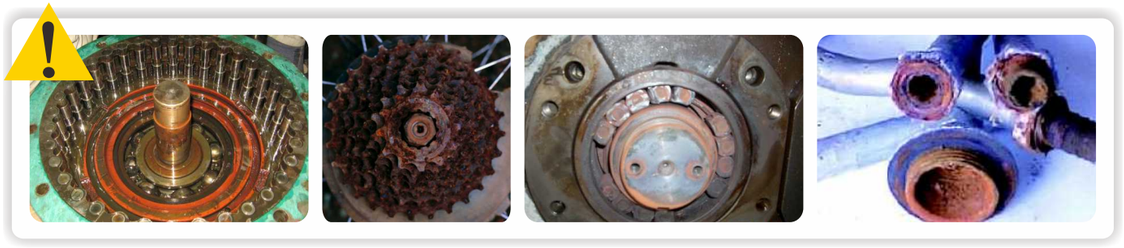
The hidden danger of untreated air


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 Φ0.5um 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 1μm, also collect fluid oil and water, oil content in the air: ≤ 0.5 mg/m3(PPM) at 21℃.

AA Filter: After-filter
Get rid of the vapor, oil mist and particles which bigger than 0.01μm, oil content in the air: ≤ 0.01 mg/m3(PPM) at 21℃ (should prepose a AO filter)

AX Filter: High Efficiency filter
Get rid of the vapor, oil mist and particles which bigger than 0.01μm, oil content in the air: ≤ 0.001 mg/m3(PPM) at 21℃ (should prepose a AO filter & AA filter)

ACS Filter: Activated carbon filter
Absorb oil vapour and hydrocarbon smell, oil content in the air: ≤ 0.003 mg/m3(PPM) at 21℃
(should prepose a AO filter & AA filter)

AR Filter: Common dedusting filter
Get rid of the particles which bigger than 1μm.
(should be installed after the adsorption air dryer)

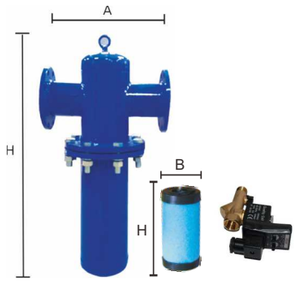
AAR Filter: High Efficiency dedusting filter
Get rid of the particles which bigger than 0.01μm.
(should be installed after the adsorption air dryer)

Technical Parameter (Conventional Air Filters)

Model	Air Connection	Air Flow Rates		Dimension (A×H)	N.W	Model (Filter Element)	Element Dimension (BxH)
--	mm	Nm^3/min	CFM	mm	kg	--	mm
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)	N.W	Model (Filter Element)	Element Dimension (BxH)
--	mm	Nm^3/min	CFM	mm	kg	--	mm
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

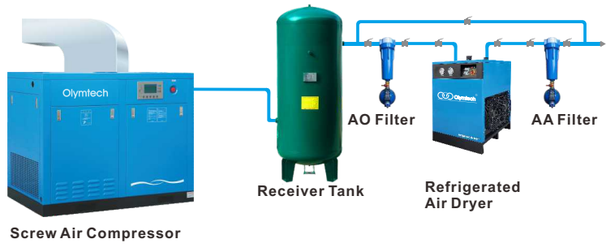
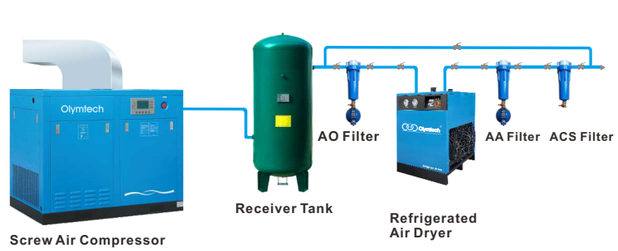


Working conditions:
Max. operating temperature:＜66℃
Min. operating temperature:＜1.5℃
Max. operating pressure:＜1.6Mpa

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

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

Flow Chart

Program	Efficiency	Application Range
	Get rid of 99% moisture contens Oil content: 0.01ppm Dust content: <1μm	For swept, general cool and package
	Pressure dew point: 2~10℃ Oil content: 0.01ppm Dust content: <0.01μm	For spray paint, pneumatic instrument, pneumatic tool, sand blasting, air moveand mix, particles products convey
	Pressure dew point: 2~10℃ Oil content: 0.003ppm Dust content: <0.01μm	For diving operation, breathable air,food compound, dentistry, cosmetics,hyperbaric oxygen chamber
	Pressure dew point: -20~-70℃ Oil content: 0.001ppm Dust content: <0.01μm	For print, film industry, nuclear industry, aerospace industry, precision control instrument
	Pressure dew point: -20~-70℃ Oil content: 0.003ppm Dust content: <0.01μm	For bioengineering, fermentating food

Olymtech®

Buy Compressor ! Choose Olymtech !