Professional
Screw Air Compressor Factory

OLYMTECH

SCREW
AIR COMPRESSOR

Industrial Type Permanent Magnet VSD

2023 new arrival

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GCCA

7.5-75KW

CY SERIES

Oil Cooled Permanent Magnet VSD Screw Air Compressor

4 KEY PARTS

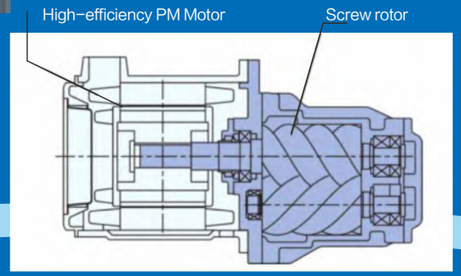
BRING ENERGY SAVING & HIGH EFFICIENCY

Energy saving 40%

01 OIL COOLED PERMANENT MAGNET MOTOR

02 RELIABLE AIR-END

03 INVERTER TECHNOLOGY



04 ONE-SHAFT DRIVE

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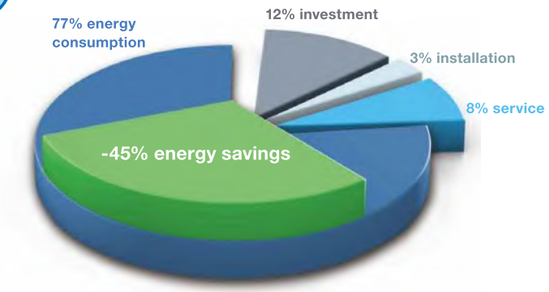
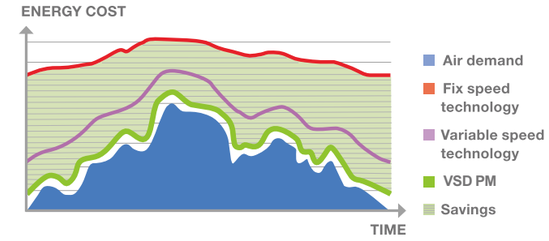
WHY ENERGY EFFICIENCY?

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%**

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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

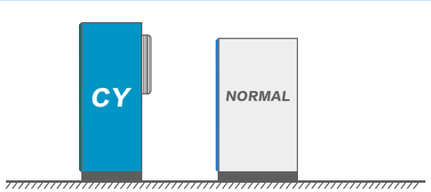
IE5: 95.1%

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

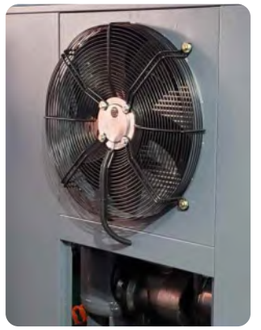
- Unique structural design for the intake valve.
- No oil splash out from intake valve when emergency stop or shutdown suddenly.

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.



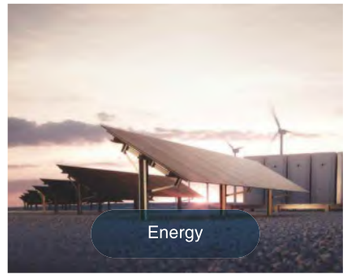
CY SERIES

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

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