



Professional  
Screw Air Compressor Factory

## SCREW AIR COMPRESSOR

- ▶ Fixed Speed
- ▶ Permanent Magnet VSD
- ▶ Two-Stage
- ▶ 16BAR 4IN1



LYMTECH



TORNADO PRO

**Olymtech Technology Development Co., Ltd.**

No.132,Shawanlu, Shawan, Panyu,Guangzhou, China. P.O Box 511483

0086-20-3918 0618

[www.olymtech-cn.com](http://www.olymtech-cn.com)

[info@olymtech-cn.com](mailto:info@olymtech-cn.com)





# COMPANY PROFILE

Olymtech Technology Development Co.,Ltd is a professional screw air compressor and air dryer factory located in Guangdong China. We have more than 20 years experience in producing and exporting air compressor, air dryer and air filter.

We have research and develop center, advanced processing equipment, professional technicians, rich experience workers and responsible after-sales team to offer good quality air compressor system and good service to our customers.

Tornado Pro is our popular exporting brand, we also offer OEM/ODM service. We always think that quality is the key point, therefore our compressor comply with the regulation of ISO9001, CE, ASME, GC & compressor industry standard to produce, product is safety and high quality. Our monthly output about 4000-4500units, welcome to be our distributors, we are your best compressor partner in China!



Production Line



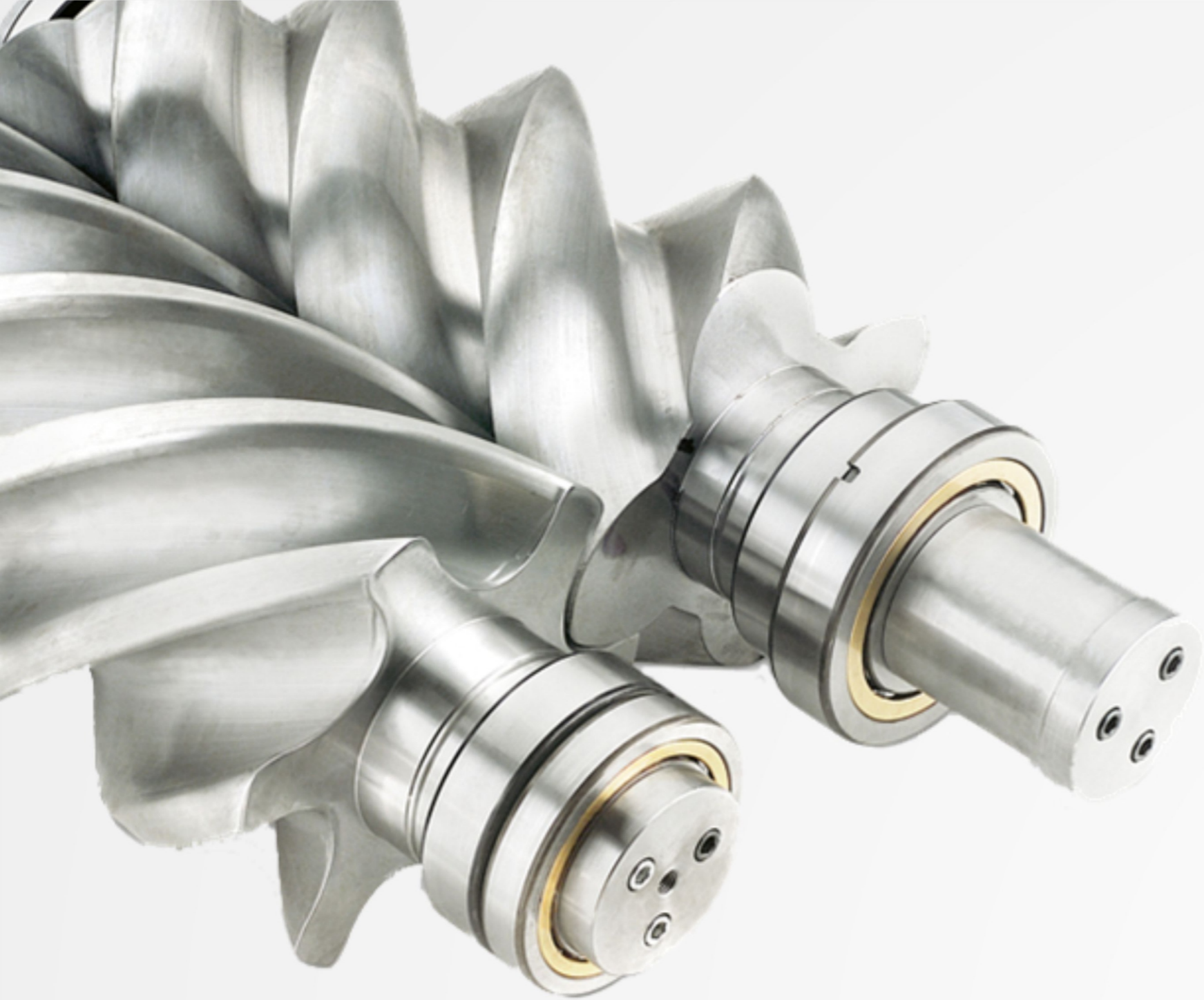
 Warehouse

# Certificate >>>



# Exhibition & Training >>>





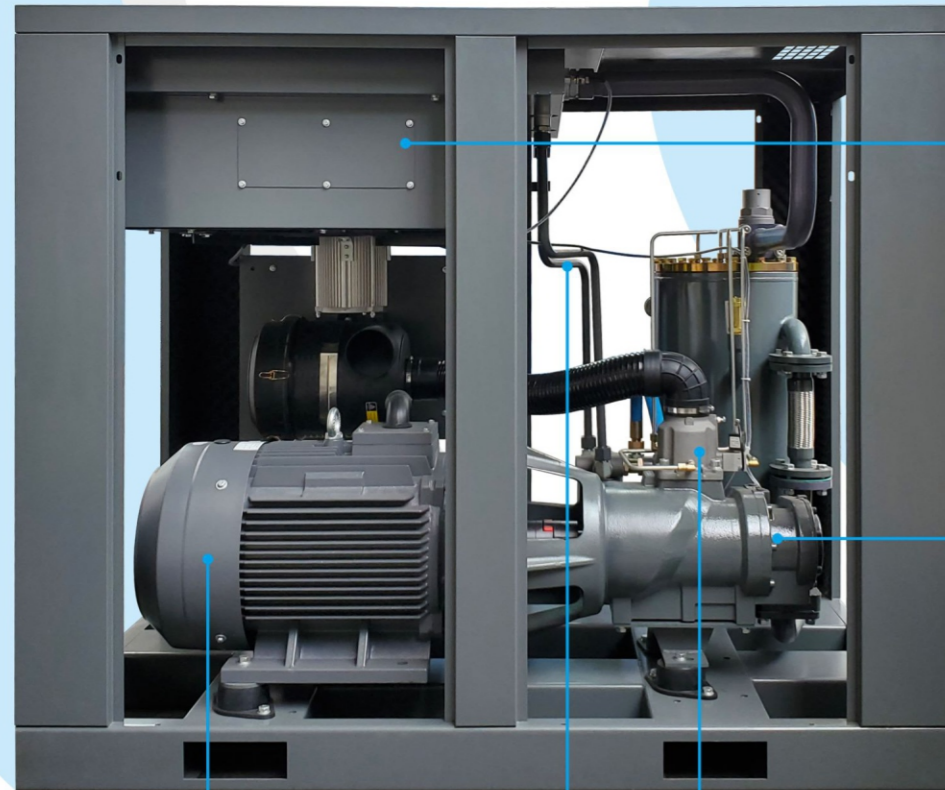
- ▶ Fixed Speed
- ▶ Permanent Magnet VSD
- ▶ Two-Stage
- ▶ 16BAR 4IN1

SCREW AIR COMPRESSOR

CONTENTS

# Fixed Speed } Direct Driven Belt Driven

- Stable
- Heavy Duty
- Easy Maintenance



**Perfect design cooling system**

- Suit to use in high temperature area

**Stable air-end**

- Big size air-end, lower running speed, longer service life



**Intelligent micro-computer control system**

- Schneider AC contactor



**PLC control system**

- English language (if need other Language pls contact with us)
- With maintenance reminds, fault alarm and safety shutdown function
- PLC control system can be diagnosed and protected by itself, thus to protect user
- With block control and remove control function(option)



**High efficiency motor**

- IP54 protection level
- F insulation level

**Stainless steel oil pipe**

- Durable and anti-corrosion

**Professional design intake valve**

- Stable
- Small pressure loss
- Higher efficiency



**Direct Driven**  
(7.5kw~250kw)



**Belt Driven**  
(5.5kw~45kw)

# Fixed Speed



## Technical Parameters (Belt Driven)

Model	Max Working Pressure		Capacity m3/min	Motor Power		Connection inch	Net Weight kgs	Dimension (LxWxH) mm
	Bar	psig		hp	kw			
TF5.5-8	8	116	0.76	7.5	5.5	Rp3/4	150	760x600x800
TF5.5-10	10	145	0.60					
TF5.5-13	12.5	181	0.46					
TF7.5-8	8	116	1.10	10	7.5	Rp1/2	195	800x700x930
TF7.5-10	10	145	0.95					
TF7.5-13	12.5	181	0.80					
TF11-8	8	116	1.50	15	11	Rp3/4	292	1080x850x1000
TF11-10	10	145	1.30					
TF11-13	12.5	181	1.10					
TF15-8	8	116	2.30	20	15	Rp3/4	311	1080x850x1000
TF15-10	10	145	2.10					
TF15-13	12.5	181	1.90					
TF18.5-8	8	116	3.00	25	18.5	Rp1	420	1080x850x1200
TF18.5-10	10	145	2.70					
TF18.5-13	12.5	181	2.40					
TF22-8	8	116	3.60	30	22	Rp1	443	1080x850x1200
TF22-10	10	145	3.20					
TF22-13	12.5	181	2.70					
TF30-8	8	116	5.00	40	30	Rp1	520	1200x1000x1500
TF30-10	10	145	4.50					
TF30-13	12.5	181	4.00					
TF37-8	8	116	6.20	50	37	Rp1-1/2	654	1200x1000x1500
TF37-10	10	145	5.60					
TF37-13	12.5	181	5.00					
TF45-8	8	116	7.30	60	45	Rp1-1/2	720	1500x1000x1330
TF45-10	10	145	6.60					
TF45-13	12.5	181	6.00					

- According to the standard of GB19153-2009
- Compressor Stage: Single 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.



## Technical Parameters (Direct Driven)

Model	Max Working Pressure		Capacity m3/min	Motor Power		Connection inch	Net Weight kgs	Dimension (LxWxH) mm
	Bar	psig		hp	kw			
TF7.5D-8	8	116	1.10	10	7.5	Rp1/2	195	900x670x880
TF7.5D-10	10	145	0.95					
TF7.5D-13	12.5	181	0.80					
TF11D-8	8	116	1.50	15	11	Rp3/4	292	1080x750x1000
TF11D-10	10	145	1.30					
TF11D-13	12.5	181	1.10					
TF15D-8	8	116	2.30	20	15	Rp3/4	306	1080x750x1000
TF15D-10	10	145	2.10					
TF15D-13	12.5	181	1.90					
TF22D-8	8	116	3.60	30	22	Rp1	437	1380x850x1160
TF22D-10	10	145	3.20					
TF22D-13	12.5	181	2.70					
TF30D-8	8	116	5.00	40	30	Rp1	455	1380x850x1160
TF30D-10	10	145	4.50					
TF30D-13	12.5	181	4.00					
TF37D-8	8	116	6.20	50	37	Rp1-1/2	660	1500x1000x1330
TF37D-10	10	145	5.60					
TF37D-13	12.5	181	5.00					
TF45D-8	8	116	7.30	60	45	Rp1-1/2	676	1500x1000x1330
TF45D-10	10	145	6.60					
TF45D-13	12.5	181	6.00					
TF55D-8	8	116	9.20	75	55	Rp2	1130	1800x1250x1670
TF55D-10	10	145	8.50					
TF55D-13	12.5	181	7.60					
TF75D-8	8	116	12.60	100	75	Rp2	1215	1800x1250x1670
TF75D-10	10	145	11.20					
TF75D-13	12.5	181	10.00					
TF90D-8	8	116	15.00	120	90	Rp2	1445	2000x1250x1670
TF90D-10	10	145	13.80					
TF90D-13	12.5	181	12.30					
TF110D-8	8	116	19.80	150	110	Rp2-1/2	1870	2300x1470x1840
TF110D-10	10	145	17.40					
TF110D-13	12.5	181	14.80					
TF132D-8	8	116	23.20	175	132	Rp2-1/2	1990	2300x1470x1840
TF132D-10	10	145	20.50					
TF132D-13	12.5	181	17.40					
TF160D-8	8	116	27.60	215	160	Rp2-1/2	2300	2300x1470x1840
TF160D-10	10	145	24.60					
TF160D-13	12.5	181	21.50					
TF185D-8	8	116	30.40	250	185	DN100	3100	3600x2100x2280
TF185D-10	10	145	27.40					
TF185D-13	12.5	181	24.80					
TF220D-8	8	116	38.20	300	220	DN100	3300	3600x2100x2280
TF220D-10	10	145	33.20					
TF220D-13	12.5	181	30.50					
TF250D-8	8	116	42.50	335	250	DN100	3500	3600x2100x2280
TF250D-10	10	145	39.70					
TF250D-13	12.5	181	35.80					

- According to the standard of GB19153-2009
- Compressor Stage: Single 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.



# Permanent Magnet VSD Screw Air Compressor

- Save Electric Cost
- High Efficiency
- Silent

## 4 key parts brings energy saving & efficiency

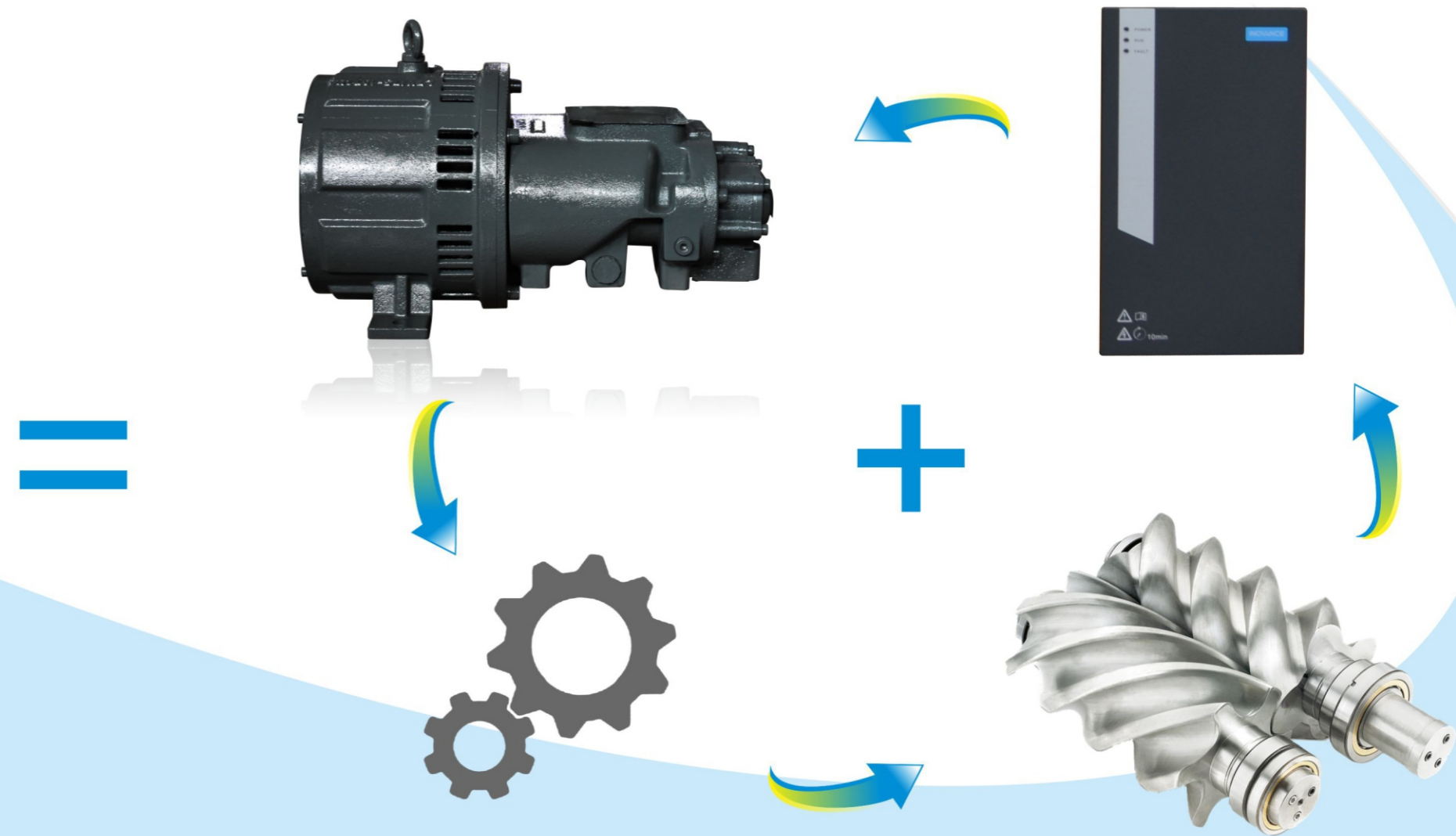
- Permanent magnet motor
- High efficiency transmission driven
- Reliable screw air-end
- Inverter technology



# 40%

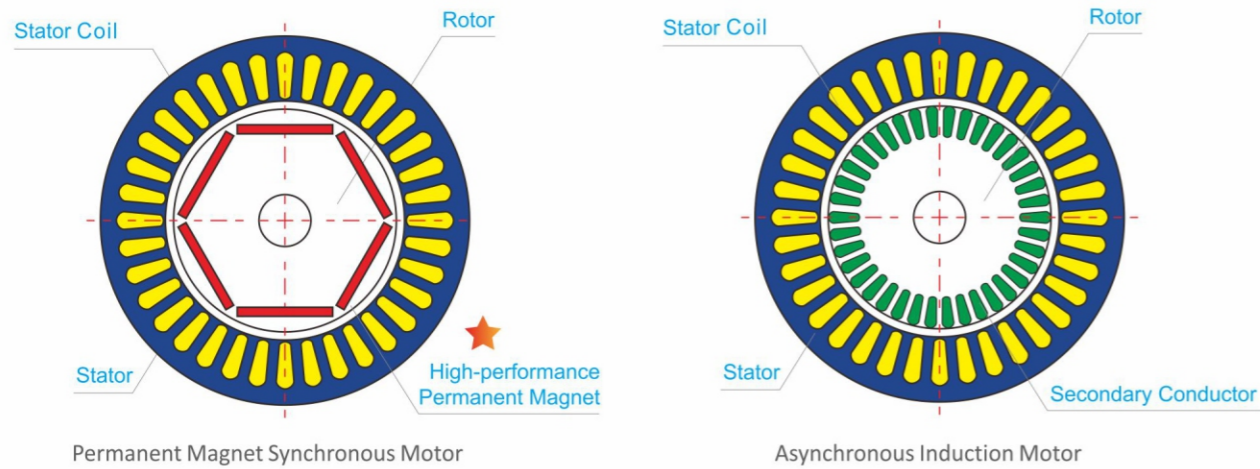
## Energy-Saving

Permanent Magnet Synchronous Motor + Inverter + Air-end



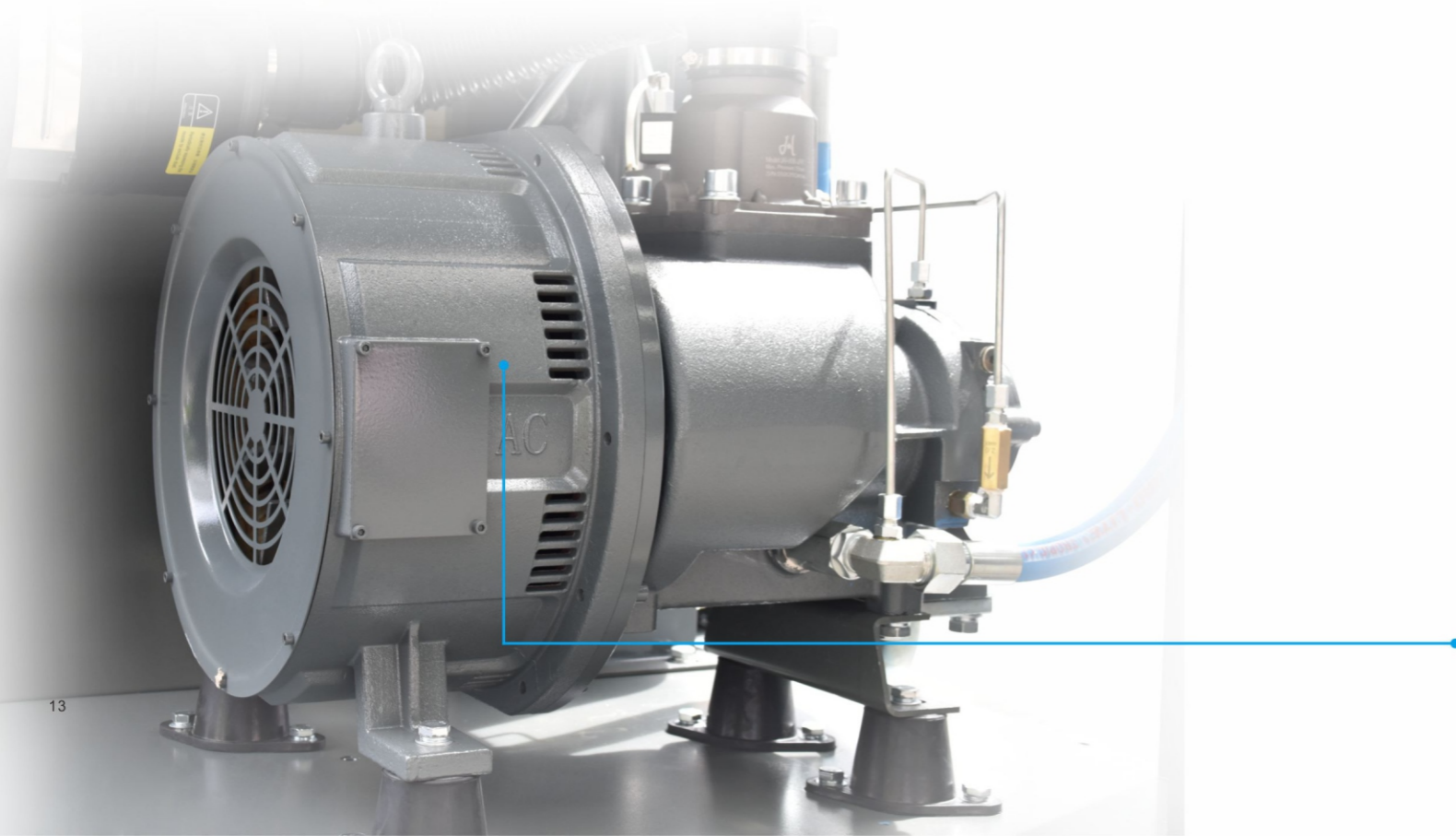
# Why Choose PM VSD Compressor?

## Comparison(Permanent Magnet Synchronous Motor & Asynchronous Induction Motor)



## Induction motor VS. PM motor- key differences that impact motor efficiency %

	PM motor	Induction motor
Slip losses	<b>No</b> -runs at synchronous speed	<b>Yes</b> - runs at asynchronous speed
Heat losses	<b>Lower</b> -No current is induced in the rotor, permanent magnets create the magnetic field of the rotor	<b>Higher</b> -current is induced in the rotor, to create the magnetic field of the rotor



### Color touch screen

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



### Reliable inverter

- \* Air supply = air demand, no electricity wastage
- \* No unload wastage
- \* No peak current at start up, protect power network
- \* Wider voltage range from 300v-440v
- \* Chinese famous inverter brand : INOVANCE



### Oil filter

High precision oil filter can get rid of dust and particle from the lubricated oil so that can protect compressor oil system and ensure air end longer service life.



### Air/Oil separator

Ensure the oil content in the compressed air is less than 3ppm.



### Air filter

High precision air filter which can get rid of the dust and particle from air to protect the compressor system.



### Cooling fan

High efficiency and large air volume, perfect design for the compressor cooling system.

### Permanent magnet motor

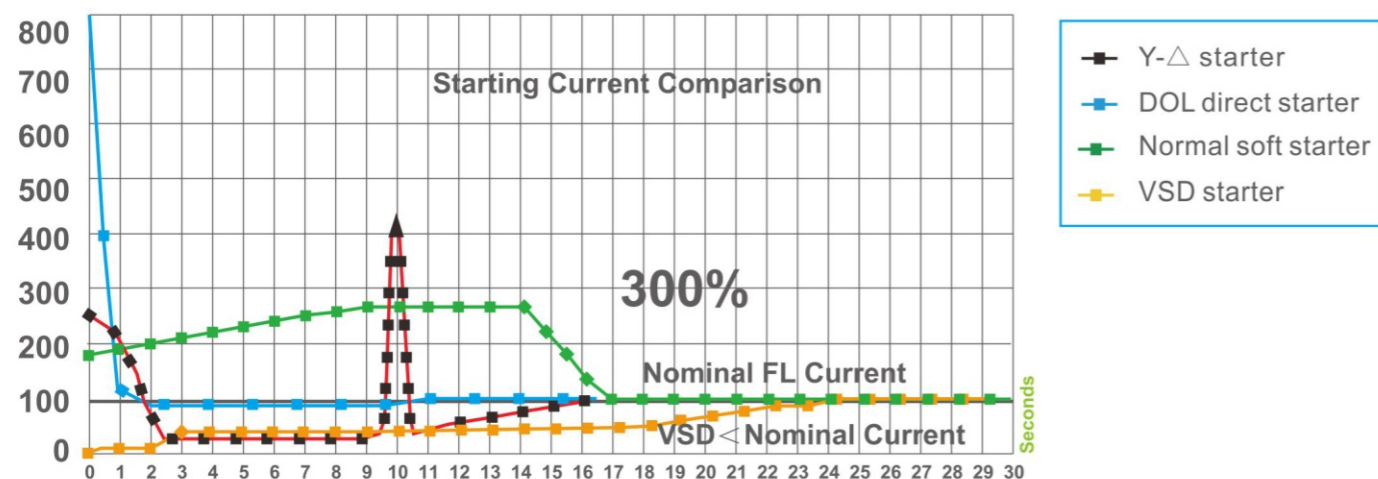
The IE3 PM motor efficiency is about 5~12% higher than normal motor.



## VSD soft starting

- Inverter controls the compressor started from 0Hz, therefore the start current is small to protect your factory power network.

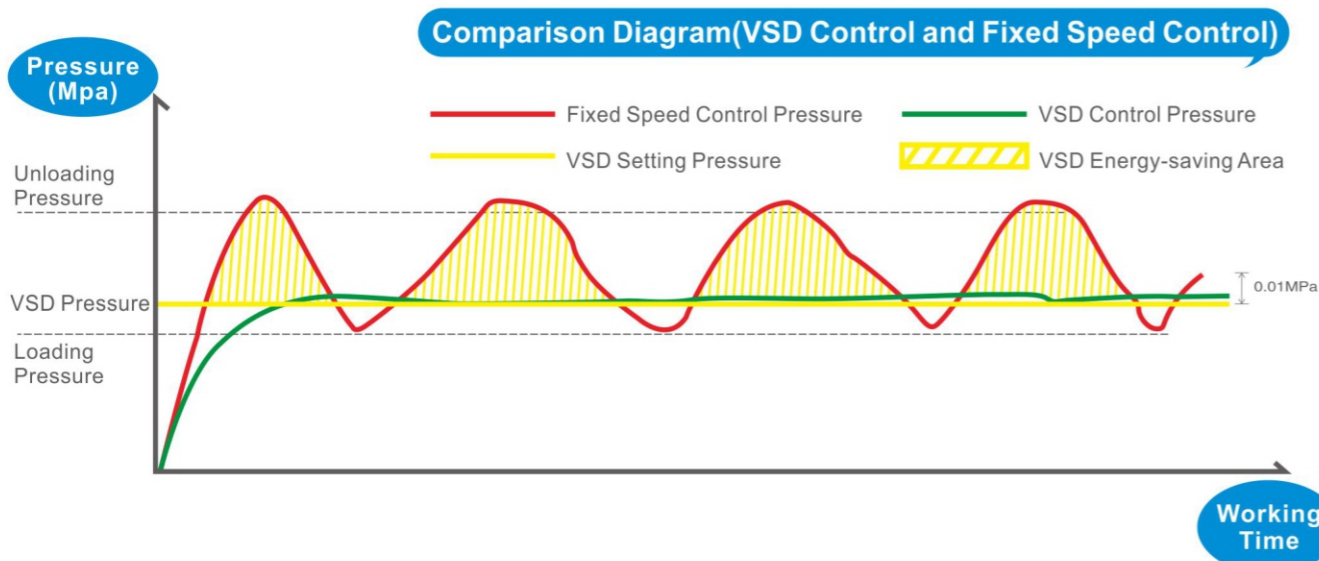
### % Full Load Current



The starting current is greatly improved in VSD soft start

## Constant pressure setting

- The VSD compressor can precisely maintain the pressure within 0.1bar
- When a fixed speed compressor's unload pressure is set at 7.5bar, and reload pressure at 6.5bar. Inverter compressor's CONSTANT PRESSURE can be set at 6.5bar, supplying constant 6.5bar pressure air to the usage points. This lower pressure can minimize air consumption to the lowest. No need to compress the air to higher 7.5bar pressure, reduces motor amperes hence the energy consumption



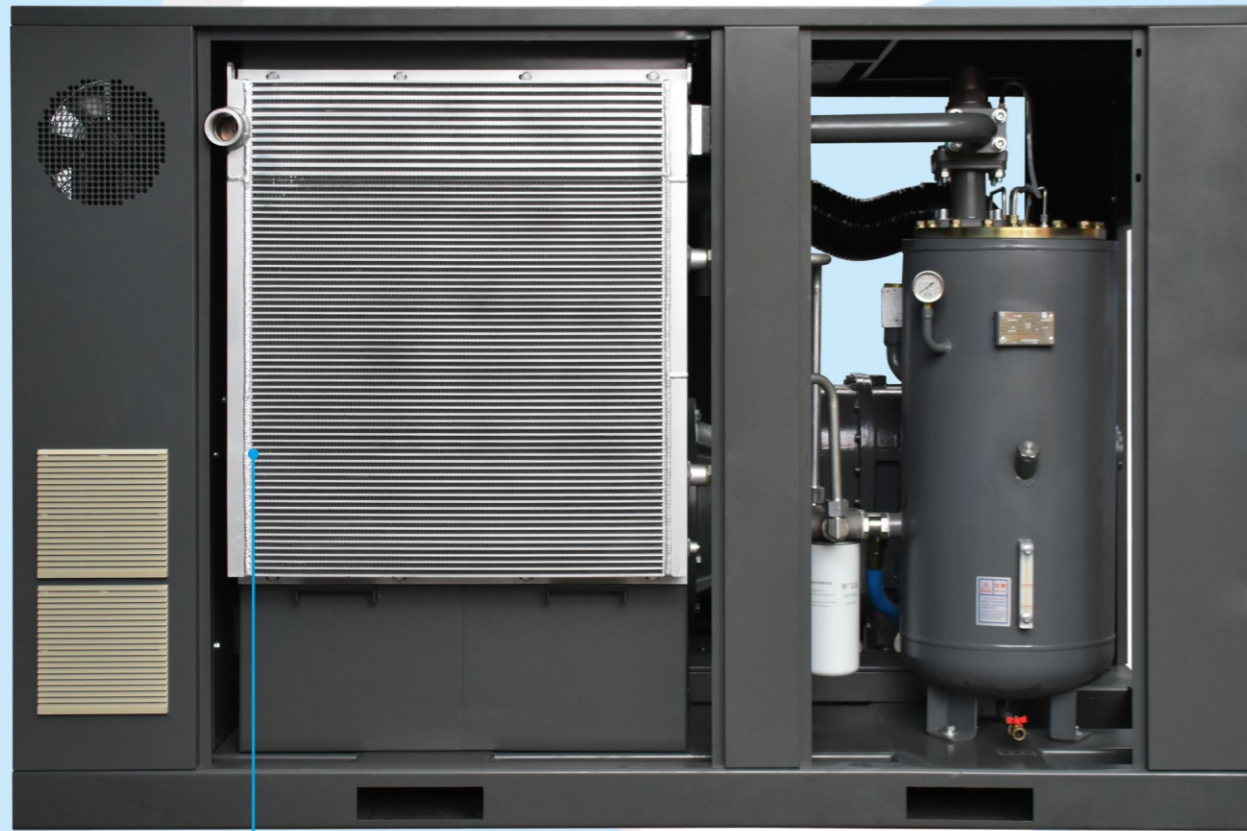
## Technical Parameters (PM MOTOR, VSD(WITH INVERTER))

Model	Max Working Pressure		Capacity	Motor Power		Connection	Net Weight	Dimension (LxWxH)
	Bar	psig		hp	kw			
TV7.5PM-8	8	116	1.10	10	7.5	Rp1/2	170	900x700x880
TV7.5PM-10	10	145	0.95	10	7.5	Rp1/2	170	900x700x880
TV11PM-8	8	116	1.50	15	11	Rp3/4	225	1080x780x1000
TV11PM-10	10	145	1.30	15	11	Rp3/4	225	1080x780x1000
TV15PM-8	8	116	2.30	20	15	Rp3/4	231	1080x780x1000
TV15PM-10	10	145	2.10	20	15	Rp3/4	231	1080x780x1000
TV18.5PM-8	8	116	3.00	25	18.5	Rp1	291	1080x880x1200
TV18.5PM-10	10	145	2.70	25	18.5	Rp1	291	1080x880x1200
TV22PM-8	8	116	3.60	30	22	Rp1	308	1080x880x1200
TV22PM-10	10	145	3.35	30	22	Rp1	308	1080x880x1200
TV30PM-8	8	116	5.00	40	30	Rp1	324	1080x880x1200
TV30PM-10	10	145	4.50	40	30	Rp1	324	1080x880x1200
TV37PM-8	8	116	6.30	50	37	Rp1-1/2	505	1200x1030x1400
TV37PM-10	10	145	5.25	50	37	Rp1-1/2	505	1200x1030x1400
TV45PM-8	8	116	7.50	60	45	Rp1-1/2	507	1500x1030x1330
TV45PM-10	10	145	6.80	60	45	Rp1-1/2	507	1500x1030x1330
TV55PM-8	8	116	9.70	75	55	Rp2	1020	1800x1280x1670
TV55PM-10	10	145	9.20	75	55	Rp2	1020	1800x1280x1670
TV75PM-8	8	116	13.10	100	75	Rp2	1130	1800x1280x1670
TV75PM-10	10	145	12.00	100	75	Rp2	1130	1800x1280x1670
TV90PM-8	8	116	15.70	120	90	Rp2	1290	2000x1280x1670
TV90PM-10	10	145	13.70	120	90	Rp2	1290	2000x1280x1670
TV110PM-8	8	116	21.50	150	110	Rp2-1/2	1970	2300x1500x1840
TV110PM-10	10	145	18.20	150	110	Rp2-1/2	1970	2300x1500x1840
TV132PM-8	8	116	24.20	175	132	Rp2-1/2	2010	2300x1500x1840
TV132PM-10	10	145	22.10	175	132	Rp2-1/2	2010	2300x1500x1840
TV160PM-8	8	116	28.50	215	160	Rp2-1/2	2800	2500x1500x1840
TV160PM-10	10	145	25.60	215	160	Rp2-1/2	2800	2500x1500x1840
TV185PM-8	8	116	32.60	250	185	DN100	3500	3600x2130x2280
TV185PM-10	10	145	28.60	250	185	DN100	3500	3600x2130x2280
TV220PM-8	8	116	40.00	300	220	DN100	3600	3600x2130x2280
TV220PM-10	10	145	36.50	300	220	DN100	3600	3600x2130x2280
TV250PM-8	8	116	43.10	335	250	DN100	3800	3600x2130x2280
TV250PM-10	10	145	39.30	335	250	DN100	3800	3600x2130x2280

- 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

# Two-Stage Screw Air Compressor

- More Free Air Delivery
- Energy Saving
- Good Performance



### 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

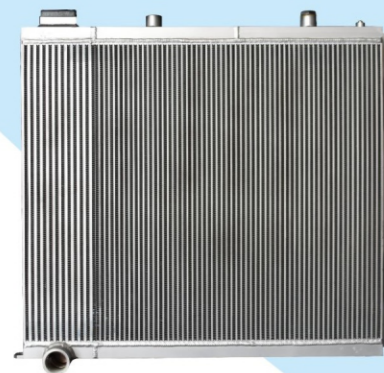


### Color touch screen

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

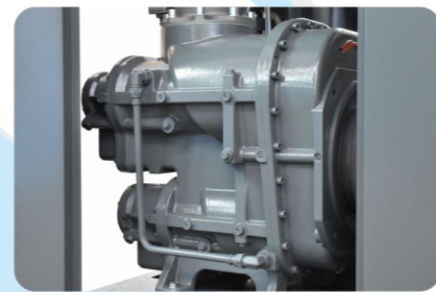
### Cylinder type intake valve

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



### 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

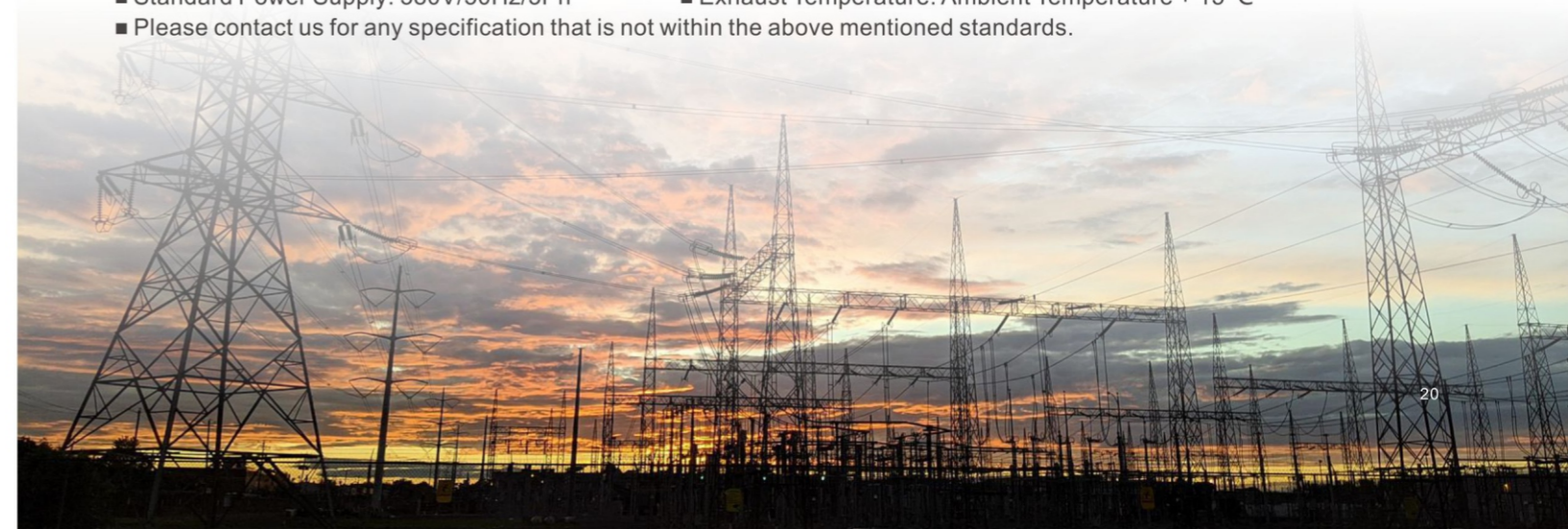
## Technical Parameters (2-STAGE - FIXED SPEED)

Model	Max Working Pressure		Capacity	Motor Power		Connection	Net Weight	Dimension (LxWxH)
	Bar	psig		m3/min	hp			
2TF22-7	7	102	4.20	30	22	Rp1	620	1500x1060x1250
2TF22-8	8	116	4.10					
2TF22-10	10	145	3.50					
2TF22-13	12.5	181	3.20					
2TF30-7	7	102	6.50	40	30	Rp1-1/2	780	1660x1145x1400
2TF30-8	8	116	6.40					
2TF30-10	10	145	4.90					
2TF30-13	12.5	181	4.20					
2TF37-7	7	102	7.20	50	37	Rp1-1/2	820	1660x1145x1400
2TF37-8	8	116	7.10					
2TF37-10	10	145	6.30					
2TF37-13	12.5	181	5.10					
2TF45-7	7	102	9.80	60	45	Rp2	1800	2180x1420x1690
2TF45-8	8	116	9.70					
2TF45-10	10	145	7.80					
2TF45-13	12.5	181	6.50					
2TF55-7	7	102	12.80	75	55	Rp2	1860	2180x1420x1690
2TF55-8	8	116	12.50					
2TF55-10	10	145	9.60					
2TF55-13	12.5	181	8.60					
2TF75-7	7	102	17.30	100	75	Rp2	1960	2180x1420x1690
2TF75-8	8	116	16.30					
2TF75-10	10	145	12.40					
2TF75-13	12.5	181	11.00					
2TF90-7	7	102	20.80	120	90	Rp2-1/2	2800	2500x1660x1930
2TF90-8	8	116	19.80					
2TF90-10	10	145	16.90					
2TF90-13	12.5	181	14.30					
2TF110-7	7	102	24.50	150	110	Rp2-1/2	3100	2500x1660x1930
2TF110-8	8	116	23.50					
2TF110-10	10	145	19.70					
2TF110-13	12.5	181	17.60					
2TF132-7	7	102	30.00	175	132	Rp2-1/2	3300	2500x1660x1930
2TF132-8	8	116	28.00					
2TF132-10	10	145	23.50					
2TF132-13	12.5	181	19.80					
2TF160-7	7	102	34.50	215	160	DN80	3800	3630x2160x2310
2TF160-8	8	116	33.60					
2TF160-10	10	145	30.00					
2TF160-13	12.5	181	23.80					
2TF185-7	7	102	41.00	250	185	DN100	4100	3860x2160x2310
2TF185-8	8	116	38.40					
2TF185-10	10	145	32.50					
2TF185-13	12.5	181	28.60					
2TF220-7	7	102	48.60	300	220	DN100	510	3860x2160x2310
2TF220-8	8	116	47.00					
2TF220-10	10	145	40.00					
2TF220-13	12.5	181	38.00					
2TF250-7	7	102	55.00	335	250	DN100	5600	3860x2160x2310
2TF250-8	8	116	54.00					
2TF250-10	10	145	46.00					
2TF250-13	12.5	181	40.00					
2TF315-7	7	102	63.07	420	315	DN125	6600	4280x2200x2380
2TF315-8	8	116	60.83					
2TF315-10	10	145	53.19					
2TF315-13	12.5	181	44.82					

## Technical Parameters (2-STAGE - PM MOTOR, VSD(WITH INVERTER))

Model	Max Working Pressure		Capacity	Motor Power		Connection	Net Weight	Dimension (LxWxH)
	Bar	psig		m3/min	hp			
2TVPM22-7	7	102	4.20	30	22	Rp1	590	1500x1060x1250
2TVPM22-8	8	116	4.10					
2TVPM22-10	10	145	3.50					
2TVPM22-13	12.5	181	3.20					
2TVPM37-7	7	102	7.20	50	37	Rp1-1/2	848	1660x1145x1400
2TVPM37-8	8	116	7.10					
2TVPM37-10	10	145	6.30					
2TVPM37-13	12.5	181	5.40					
2TVPM55-7	7	102	12.80	75	55	Rp2	1860	2460x1450x1640
2TVPM55-8	8	116	12.50					
2TVPM55-10	10	145	9.60					
2TVPM55-13	12.5	181	8.60					
2TVPM75-7	7	102	17.30	100	75	Rp2	1960	2460x1450x1640
2TVPM75-8	8	116	16.30					
2TVPM75-10	10	145	12.40					
2TVPM75-13	12.5	181	11.00					
2TVPM90-7	7	102	20.80	120	90	Rp2-1/2	2360	2500x1660x1930
2TVPM90-8	8	116	19.80					
2TVPM90-10	10	145	16.90					
2TVPM90-13	12.5	181	14.30					
2TVPM110-7	7	102	24.50	150	110	Rp2-1/2	2390	2500x1660x1930
2TVPM110-8	8	116	23.50					
2TVPM110-10	10	145	19.70					
2TVPM110-13	12.5	181	17.60					
2TVPM132-7	7	102	30.00	175	132	Rp2-1/2	2445	2500x1660x1930
2TVPM132-8	8	116	28.00					
2TVPM132-10	10	145	23.50					
2TVPM132-13	12.5	181	19.80					
2TVPM160-7	7	102	34.50	215	160	DN100	3800	3630x2190x2310
2TVPM160-8	8	116	33.60					
2TVPM160-10	10	145	30.00					
2TVPM160-13	12.5	181	23.80					
2TVPM185-7	7	102	41.00	250	185	DN100	4100	3860x2190x2310
2TVPM185-8	8	116	38.40					
2TVPM185-10	10	145	32.50					
2TVPM185-13	12.5	181	28.60					
2TVPM250-7	7	102	55.00	335	250	DN100	5600	3860x2190x2310
2TVPM250-8	8	116	54.00					
2TVPM250-10	10	145	46.00					
2TVPM250-13	12.5	181	40.00					
2TVPM315-7	7	102	63.07	420	315	DN125	6600	4280x2230x2380
2TVPM315-8	8	116	60.83					
2TVPM315-10	10	145	53.19					
2TVPM315-13	12.5	181	44.82					

- 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: Two-Stage Compression
- Exhaust Temperature: Ambient Temperature + 15 °C



# 16BAR 4IN1

## Screw Air Compressor

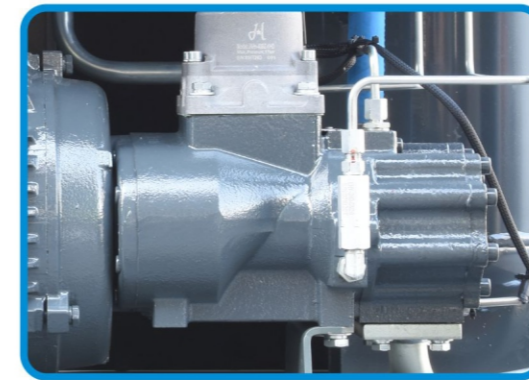
### Special For Laser Cutting Machine

#### Air/Water separator

- Remove most of the liquid oil and water as well as large solid particles.

#### Refrigerated air dryer

- R134A refrigerant
- Lower pressure dew point
- Remove 98% water from air



#### High quality air-end

- Stable and durable
- 16 bar air-end ensure the metal cutting surface is smooth



#### High efficiency copper motor

- IP54 protection level
- F insulation level



#### Reliable inverter

- Air supply = air demand, no electricity wastage
- No unload wastage
- No peak current at start up, protect power network
- Wider voltage range from 300v-440v
- Chinese famous inverter brand : INOVANCE



#### Italian brand line air filter

- Protect laser cutting machine mirror
- Offer clean and dry compressed air
- Reduce pressure difference, thus energy saving

**SAVE YOUR ELECTRICITY COST**  
**SAVE YOUR OPERATION COST**

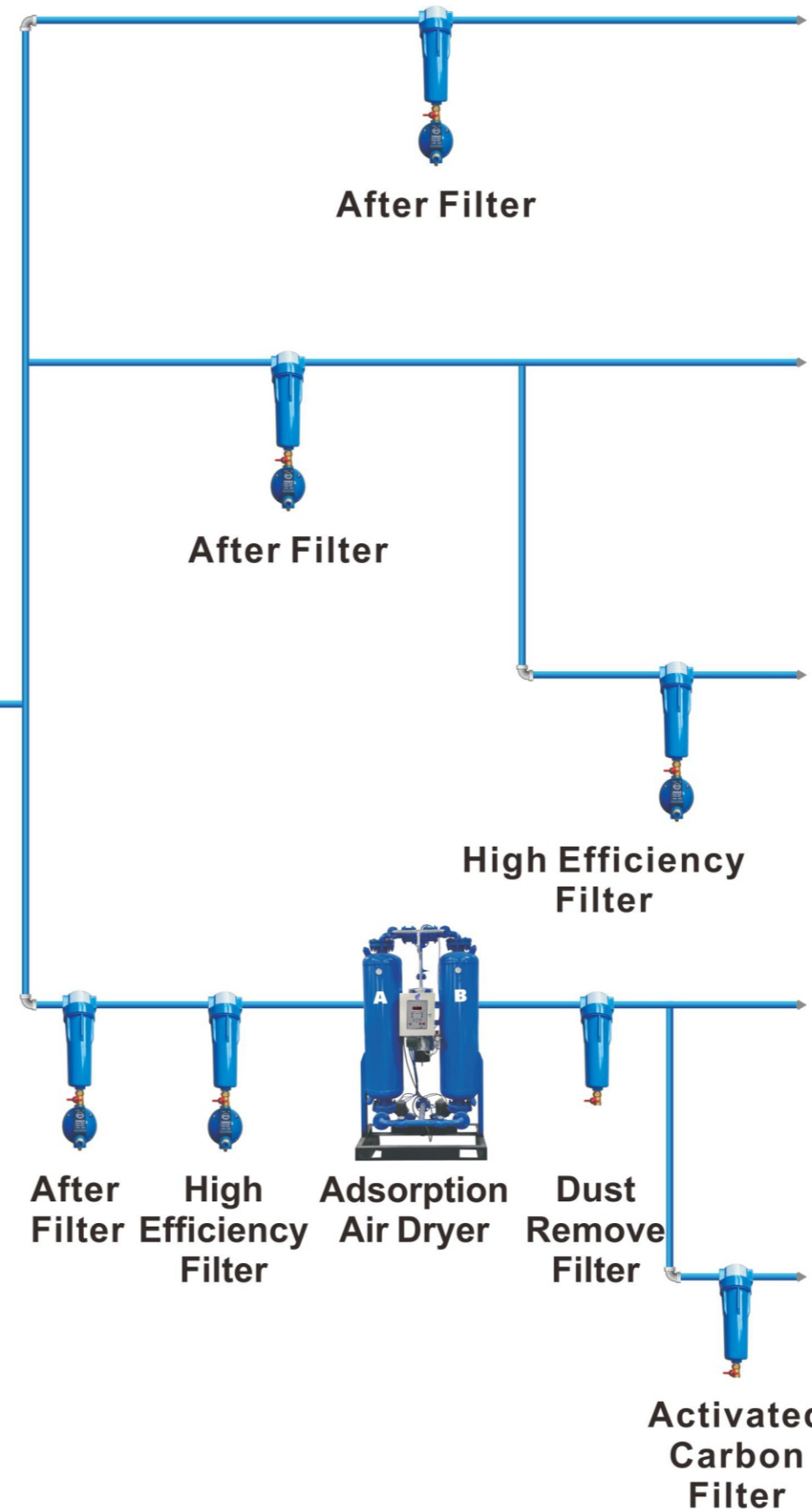
Model	Max Working Pressure		Capacity m3/min	Motor Power		Connection inch	Net Weight kgs	Dimension (LxWxH) mm
	Bar	psig		hp	kw			
LC15PM-4-16	16	232	1.2	20	15	G3/4	400	1730x780x1640
LC22PM-4-16	16	232	2.2	30	22	G3/4	450	1730x850x1840

- 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

# Compressed Air Purification System



**Pre Filter**



Architecture  
Cleaning  
Sandblasting  
Stamping

1

Metal products  
Pressure forming  
Pneumatic machinery  
Parts drying

2

Precision machinery  
Electronics industry  
Packing  
Printing

3

Spraying  
Electronics  
Textile

4

Medicine  
Bioengineering  
Chemical industry  
Lithium battery  
Pharmacy  
Food

5

# Your Compressed Air, We Care



## Pre-sales service

- Offer air compressor system solutions
- Responsible sales team give you professional suggestion
- Fast reply
- Standard and reasonable quotation
- OEM service (logo, color, design)



## In production

- Offer factory video
- Offer machine produce video



## After-sales service

- Genuine spare parts supply
- 24/7 online after-sales service for installation commissioning, trouble shooting
- Distributors sales and after-sales training
- English user manual, maintenance book, etc

