

**WE TAKE CARE OF YOUR  
COMPRESSED AIR**

**VERDES**  
COMPRESSOR

2024 new arrival

**EXCELLENCE IN QUALITY**



**STANDARD TYPE**



**3.7-315kW**



# VERDES

More energy saving, High efficiency, Greener

## VERDES PROFILE

Verdes (Guangzhou) Technology Co., Ltd. is a company committed to research and development, production and sales of air compressor products. Provide customers with environmental protection, energy saving compressed air, air separation and air purification solutions. All our efforts are to ensure that our customer enjoy the lowest energy consumption, green environmental protection and safe and reliable air compressor products.

The company is located in Guangzhou. Our products mainly includes screw air compressor, oil free screw air compressor, piston air compressor, PSA nitrogen and oxygen machine, air dryer, air filter, pipeline, vacuum pump, and so on.

Our products are widely used in the field of industrial manufacturing, products sell well in more than 30 provinces and cities in China, and exported to Europe, the Middle East, Africa and Southeast Asia and other regions. Over the years, our company with excellent quality, professional solutions, advanced technology, perfect service has won the recognition of many customers.

At the same time, we will be more focused on communication and cooperation with customers, to provide convenient and prompt service for every customer's needs. Timely provide technical advice and after-sales service for users, to cooperate with the enterprise to achieve the best production state and continuous efforts.

We strive to grasp the development direction of the industry, adhere to customer needs, continuous innovation, the introduction of advanced technology, to provide customers with excellent products and convenient services.

Our mission: Provide customers with energy-saving and stable products

Our vision: green, high-tech, contributing to carbon reduction

Our values: 1. Customer achievement; 2. Efficient execution; 3. Teamwork; 4. Integrity; 5. Innovation;

# WHY CHOOSE US?

## Great research&Develoment team

Key Hi-tech enterprise of china ,applying our own screw air end with advanced technology and reaching the advanced level in the industry

## Strict production management

We have the strict quality control system to ensure the good quality of product

## 24hours before-sale,in-sale, after-sale

Installation guide service  
Equipment debugging  
Technical guidance  
Regularly maintenance

## Custominzed Service

Special designed model to meet different needs of customers

# VDX Series Standard Type Fixed Speed Air Compressor

## 1 High Efficiency Screw Air-end

- 1.Large head, screw low speed.
- 2.High efficiency,low noise
- 3.Low vibration,high reliability

## 2 Stable Motor

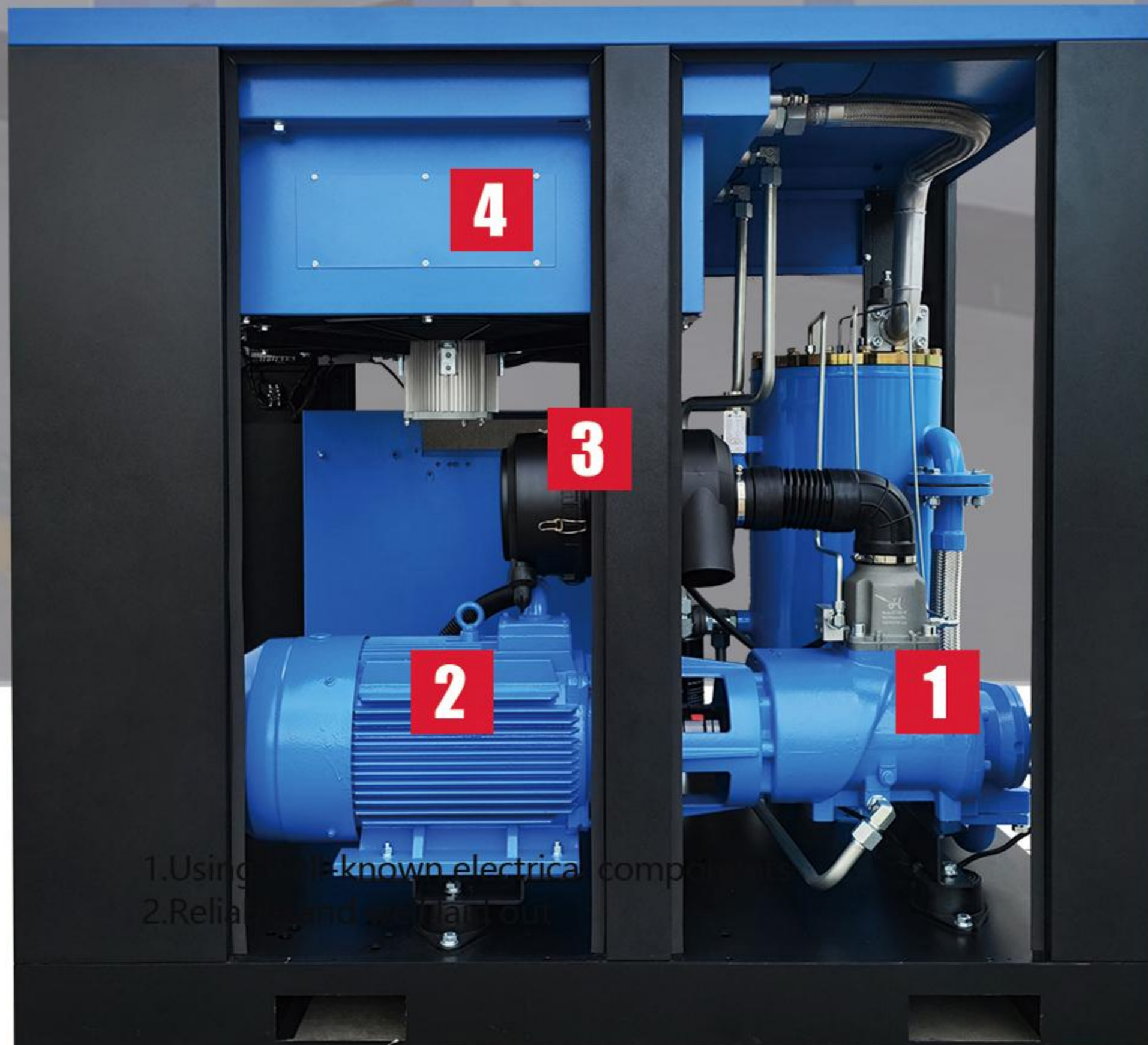
- 1.power to provide more compressed air
- 2.Large range of air volume adjustment.

## 3 Air Filter

- 1.Better than conventional filter cartridges
- 2.Effectively extending the lifespan of the machine

## 4 iCOOL System

- 1.Intelligent design cooling system
- 2.Large heat exchange area,surplus of heat exchange of 30%.
- 3.Can normally operate under high environment temperature



## 5 Electric Control Box

## 6 Efficiency Oil Gas Separation System

- 1.Efficient separation of oil and gas.
- 2.Low pressure drop design
- 3.Larger oil and gas tank for better cooling effect

## 7 Intelligence Control System

- 1.HMI Supports multiple languages and is easy to operate
- 2.Have remote monitoring and control functions to be close by user

-More than 15 years experience in the manufacturing and exporting.

-Professional team customize solution

-One-stop shopping

VDX Series Standard Type Fixed Speed Screw Air Compressor Parameters (Direct Drive)

Type	Power		Max. Working pressure		F.A.D		Noise dB(A)	Connection	Dimension (mm) L*W*H	Weight kgs
	kw	hp	bar	psig	m <sup>3</sup> /min	cfm				
VDX10	7.5	10	8	116	1.1	39	62±2	Rp1/2	900*600*850	165
			10	145	1.0	35				
VDX15	11	15	8	116	1.8	64	62±2	Rp3/4	1030*700*1000	270
			10	145	1.7	60				
VDX20	15	20	8	116	2.5	88	62±2	Rp3/4	1030*700*1000	270
			10	145	2.4	85				
VDX30	22	30	8	116	3.5	124	65±2	Rp1	1300*790*1175	350
			10	145	3.4	120				
VDX40	30	40	8	116	5.0	177	65±2	Rp1	1300*790*1175	360
			10	145	4.9	173				
VDX40	37	50	8	116	6.5	230	65±2	Rp1 1/2	1400*950*1320	450
			10	145	6.4	226				
VDX60	45	60	8	116	7.1	251	65±2	Rp1 1/2	1400*950*1320	520
			10	145	7.0	247				
VDX75	55	75	8	116	9.3	328	68±2	Rp2	1750*1170*1600	940
			10	145	9.2	325				
VDX100	75	100	8	116	12.2	431	68±2	Rp2	1750*1170*1600	990
			10	145	12.1	427				
VDX120	90	120	8	116	15.0	530	72±2	Rp2	1750*1170*1600	1020
			10	145	14.9	526				
VDX150	110	150	8	116	19.0	671	72±2	Rp2 1/2	2400*1450*2035	1800
			10	145	18.9	667				
VDX175	132	175	8	116	22.0	777	72±2	Rp2 1/2	2400*1450*2035	2100
			10	145	19.9	703				
VDX200	160	200	8	116	28.0	989	75±2	DN80	2400*1450*2035	2150
			10	145	27.9	985				

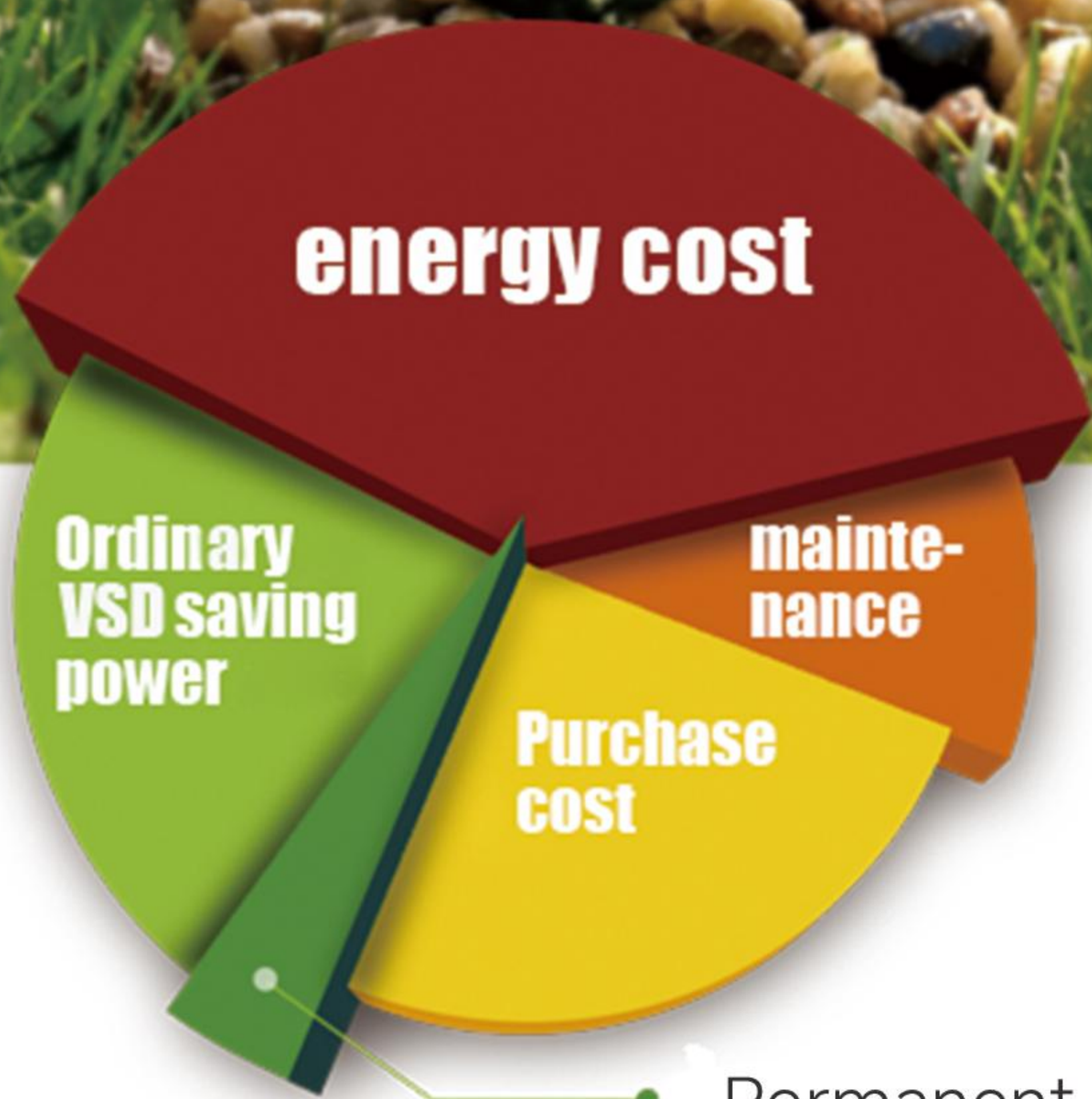
-According to the standard of GB 19153-2009

-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



Permanent Magnet Variable Frequency compressor



Compared with fixed speed compressor

PM-VSD can save electric charge more than **40%**

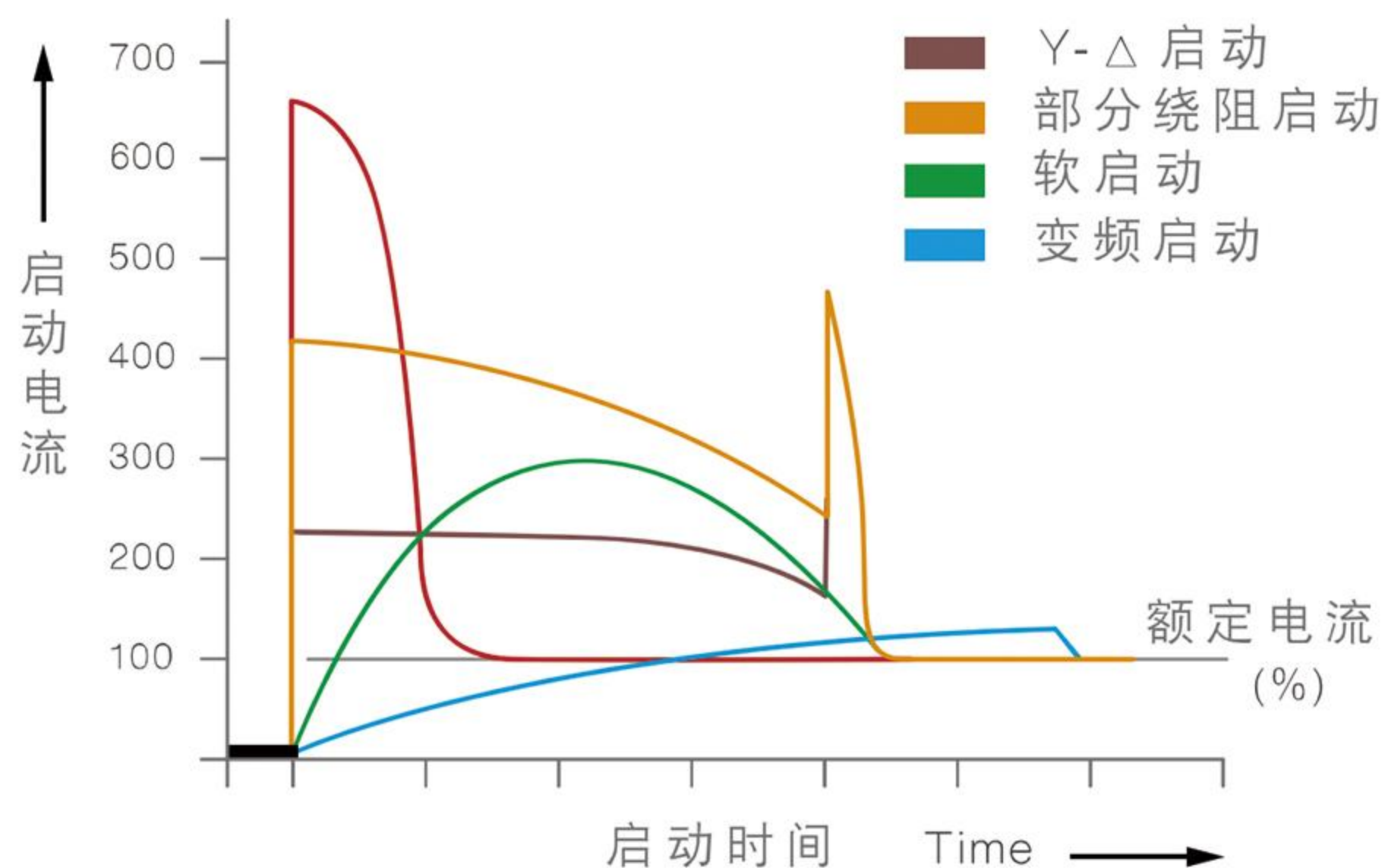
ENERGY SAVING



- ◆ 30HP--Saving USD3700 Each Year
- ◆ 50HP--Saving USD6200 Each Year
- ◆ 75HP--Saving USD9200 Each Year
- ◆ 100HP--Saving USD12600 Each Year

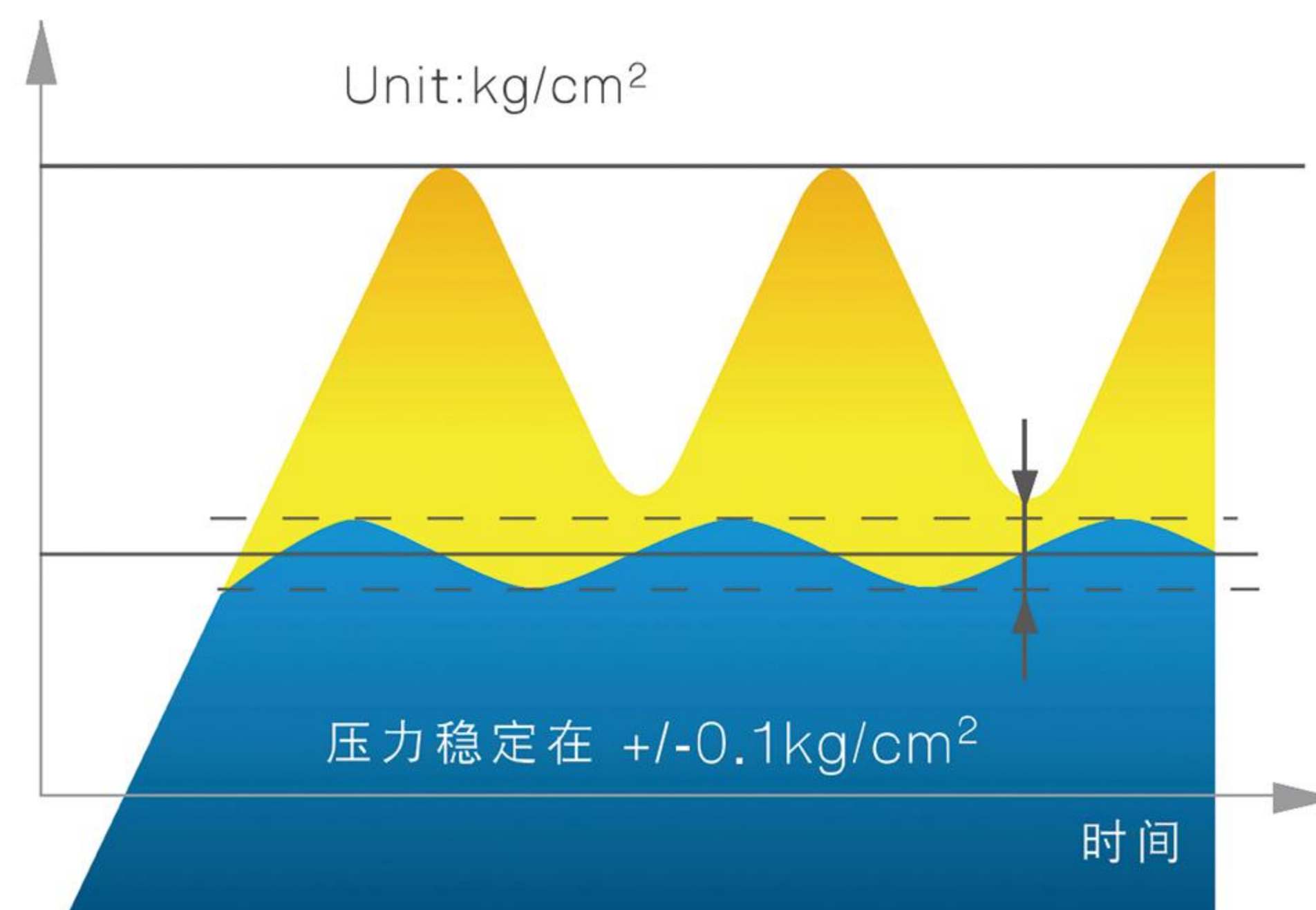
### Variable Frequency Start

1. Without generating current peaks
2. The motor always runs below the rated current
3. Effectively avoiding the expensive cost of peak current generation



### Constant Pressure Supply Air

1. Stable pressure
2. Stable output pressure reduce no-live loading, saving energy



# VDS Series Standard Type Variable speed Air Compressor



Oil Filter



Cooling system



Oil Gas Separator



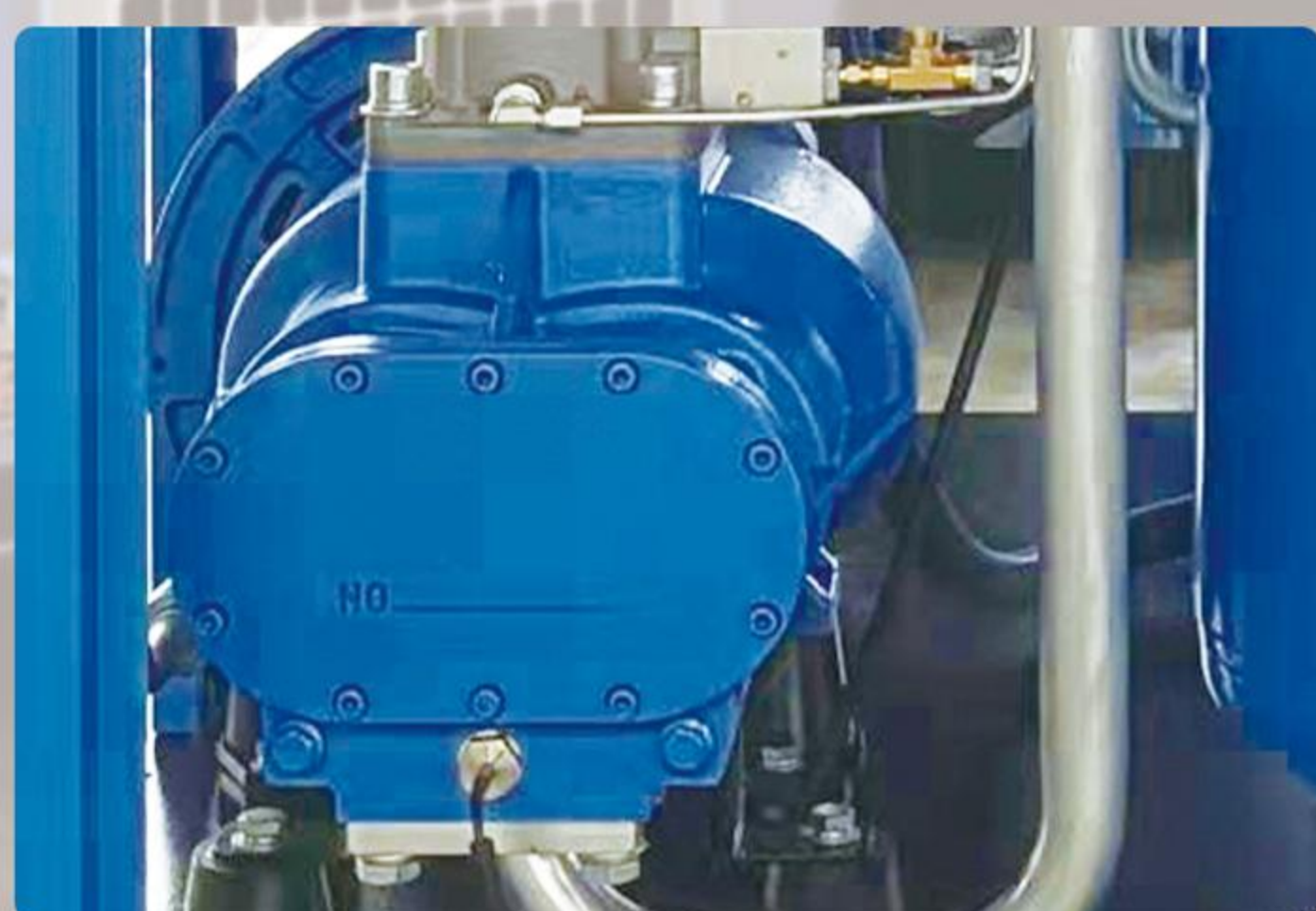
HMI



Air-end



Inverter



## Screw air end

- 1.Large head, screw low speed.
- 2.High efficiency low noise
- 3.Low vibration,high reliability



## Energy Saving Permanent Magnet Motor

- 1.Power to provide more compressed air
- 2.Large range of air volume adjustents
- 3.Saving enery 6-7% comparing with common 3-phase asynchrouous motor



## Frequency Inverter

- 1.Adjust the output gas volume based on actual gas consumption,saving power.
- 2.Saving energy 15-38% comparing with fixed speed air compressor



## Intelligence Control System

- 1.HMI Supports multiple languages and is easy to operate
- 2.Have remote monitoring and control functions to be close by user



### VDS Series Industrial Type Permanent Magnet VSD Air Compressor (8Bar 10bar)

Type	Power		Max Working Pressure		F.A.D		Noise	Connection	Dimension (mm)	Weight
	kw	hp	bar	psig	m <sup>3</sup> /min	cfm	dB(A)		L*W*H	
VDS10	7.5	10	8	116	1.1	39	62±2	Rp1/2	900*600*850	120
			10	145	0.9	32				
VDS15	11	15	8	116	1.8	64	62±2	Rp3/4	1000*700*1000	200
			10	145	1.6	57				
VDS20	15	20	8	116	2.5	88	62±2	Rp3/4	1000*700*1000	200
			10	145	2.2	78				
VDS30	22	30	8	116	3.5	124	65±2	Rp1	1300*790*1175	280
			10	145	3.2	113				
VDS30	30	40	8	116	5.0	177	65±2	Rp1	1300*790*1175	300
			10	145	4.5	159				
VDS50	37	50	8	116	6.5	230	65±2	Rp1 1/2	1400*950*1320	440
			10	145	5.8	205				
VDS60	45	60	8	116	7.1	251	65±2	Rp1 1/2	1400*950*1320	480
			10	145	6.4	226				
VDS75	55	75	8	116	9.3	328	68±2	Rp2	1750*1170*1600	940
			10	145	8.4	287				
VDS100	75	100	8	116	12.2	431	68±2	Rp2	1750*1170*1600	990
			10	145	11.0	388				
VDS120	90	120	8	116	15.0	530	72±2	Rp2	1750*1170*1600	1080
			10	145	13.5	477				

### VDS series Industrial Type Permanent Magnet VSD Air Compressor (16bar)

Type	Power		Max Working Pressure		F.A.D		Connection	Dimension (mm)	Weight	Oil
	kw	hp	bar	psig	m <sup>3</sup> /min	cfm		L*W*H	kg	L
VDS20C-PM	15	20	15.5	2.5	1.1	39	G3/4"	1030*700*1000	270	12
VDS30C-PM	22	30	15.5	2.2	2.0	71	G1"	1300*790*1175	350	17

-According to the standard of GB 19153-2009

-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

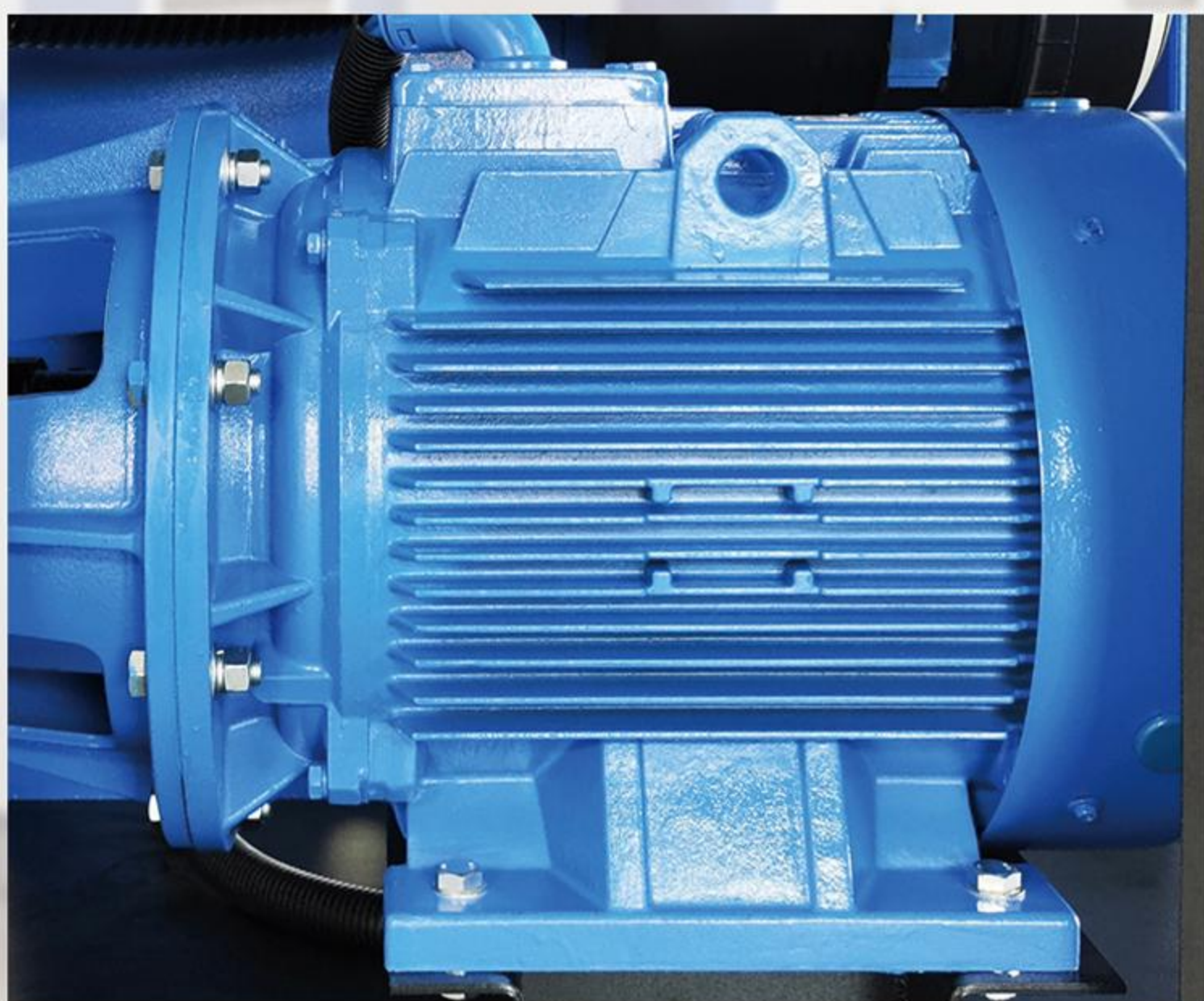


# VDSP Series Standard Type Two Stage Screw Air Compressor



## High Efficiency Two Stage Screw Air-end

- Big rotors with low rotation, two stage compression creating high efficiency and high reliability
- High efficiency, Low noise
- Low vibration, High reliability



## Energy Saving Permanent Magnet Motor

- Using less Power to provide more compressed air
- Large range of air volume adjustment
- Saving energy 6-7% comparing with common 3-phase asynchronous motor



## Frequency Inverter

- Resistant to all kinds of harsh polluted environment
- High speed output under vector control
- Simplified parameters for easy start-up
- Fine design, volume reduced by 30%
- Large margin derating design
- Output frequency 50Hz
- Multiple motor drives



## Intelligence Control Panel

- Supports multiple languages and is easy to operate
- Support customer daily management
- Real time grasp of the operating status of the air compressor
- Monitor and manages air filter, oil filter, oil separator, lubricating oil running time
- The protection level can reach IP65 (Front of display screen)
- Remote monitoring and control functions to be close by user



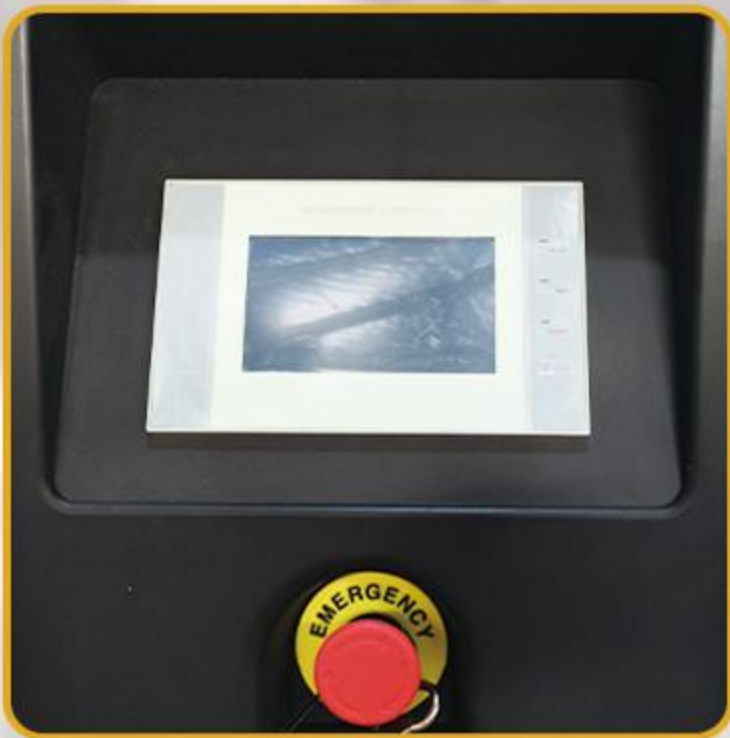
### VDSP Series Standard Type Two Stage Screw Air Compressor (8Bar 10bar)

Type	Power		Pressure		F.A.D		Noise dB(A)	Connection	Dimension (mm) L*W*H	Weight kgs
	kw	hp	bar	psig	m <sup>3</sup> /min	cfm				
VDSP20	15	20	8	116	3.0	106	62±2	Rp1	1300*790*1150	600
			10	145	2.7	95				
VDSP30	22	30	8	116	4.1	145	62±2	Rp1 1/2	1400*950*1320	700
			10	145	3.7	131				
VDSP40	30	40	8	116	6.0	212	65±2	Rp1 1/2	1580*950*1430	760
			10	145	5.4	191				
VDSP50	37	50	8	116	7.2	254	65±2	Rp1 1/2	1580*950*1430	800
			10	145	6.5	230				
VDSP60	45	60	8	116	9.6	339	65±2	Rp2	2000*1250*1680	1400
			10	145	8.6	304				
VDSP70	55	75	8	116	12.3	434	65±2	Rp2	2000*1250*1680	1460
			10	145	11.1	392				
VDSP100	75	100	8	116	16.2	572	68±2	Rp2	2000*1250*1880	1550
			10	145	15.0	530				
VDSP120	90	120	8	116	19.2	678	68±2	Rp2 1/2	2400*1450*2030	2200
			10	145	17.5	618				
VDSP150	110	150	8	116	23.2	819	68±2	Rp2 1/2	2400*1450*2030	2300
			10	145	21.0	742				
VDSP175	132	175	8	116	27.7	978	72±2	DN80G3	3000*1580*2150	2800
			10	145	25.0	883				
VDSP200	160	200	8	116	33.6	1187	72±2	DN80G3	3000*1580*2150	3000
			10	145	30.5	1077				
VDSP250	185	250	8	116	38.6	1363	75±2	DN100	3800*2200*2400	4200
			10	145	35.0	1236				
VDSP270	200	275	8	116	43.0	1529	75±2	DN100	3800*2200*2400	5200
			10	145	39.0	1377				
VDSP300	220	300	8	116	45.5	1607	75±2	DN100	3800*2200*2400	6000
			10	145	42.0	1483				
VDSP350	250	350	8	116	53.6	1893	75±2	DN125	3800*2200*2500	6500
			10	145	48.0	1695				

-According to the standard of GB 19153-2009  
 -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

# VDCM 4 in 1 Series Standard Type Variable Speed Screw Air Compressor



## Intelligence Control System

- 1.HMI Supports multiple languages and is easy to operate.
- 2.Have remote monitoring and control functions to be close by user



## High Efficiency Air Dryer

- 1.Combined famous brand air dryer.
- 2.Effectively removing water.
- 3.Ensure pressure dew



## Inverter

- 1.Famous brand inverter
- 2.save energy , soft start variable requery regulation of motor speed



## Powerfull Air-end

Use Large head, low speed screw, stable operation.Even under continuous operation, the Screw maintains stable and efficient optimal clearance values.



## Italian Brand Air Filter

3 or 4 pcs air filter remove-most of the liquid oil and water as well as large solid particles



## Larger Volume Tank

buffer ,storage, cooling and energy saving

### VDCM 4in1 series screw air compressor(8bar 10bar)

Type	Power		Max Working Pressure		F.A.D		Connection	Dimension (mm)	Weight	Air Tank Capacity
	kw	hp	bar	psig	m <sup>3</sup> /min	cfm		L*W*H		
VDCM10-PM	7.5	10	8	116	1.1	39	G3/4"	1200*600*1270	220	200
			10	145	0.9	32				
VDCM15-PM	11	15	8	116	1.8	64	G3/4"	1200*700*1460	370	200
			10	145	1.6	57				
VDCM20-PM	15	20	8	116	2.5	88	G3/4"	1200*700*1460	370	200
			10	145	2.2	78				
VDCM30-PM	22	30	8	116	3.5	124	G1"	1700*820*1850	490	500
			10	145	3.2	113				
VDCM40-PM	30	40	8	116	5.0	177	G1"	1700*820*1850	500	500
			10	145	4.5	159				
VDCM50-PM	37	50	8	116	6.5	230	G1-1/2"	1700*820*1850	640	500
			10	145	5.8	205				

### VDCM-C 4in1 series air compressor (16bar special for laser cutting)

Type	Power		Max Working Pressure		F.A.D		Connection	Dimension (mm)	Weight	Air Tank Capacity
	kw	hp	bar	psig	m <sup>3</sup> /min	cfm		L*W*H		
VDCM20C-PM	15	20	15.5	225	1.1	39	G3/4"	1600*720*1600	400	400
VDCM30C-PM	22	30	15.5	225	2.0	71	G1"	1600*720*1700	445	400

-According to the standard of GB 19153-2009  
 -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

## COMPRESSED AIR FOR LASER CUTTING



- 1.13bar-16bar Air pressure supply
- 2.Materials for cutting
  - carbon steel
  - aluminum alloy
  - stainless steel
  - brass,
  - etc below 2.5mm

- 3.Low cost ,widely application
- 4.Disadvantage
  - when air is mixed with oxygen oxide film will be formed on the cutting surface and oxygen in the air will help to melt,resulting in yellow or black cutting surface and residual



# PPROFESSIONAL AIR COMPRESSOR MANUFACTURER

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**WhatsApp**