

### ► Direct variable frequency screw air compressor



1. Controller panel/  
master controller
2. Pressure gauge
3. Emergency Stop Switch
4. Frequency changer
5. Minimum pressure valve
6. Relief valve
7. Oil level gauge
8. Oil drain
9. Oil and gas separation vessel

Characteristic:

High reliability

Double-loop Electric system ,Automatic crash recovery ,restart within one second.

Strong environment adaption

Fully sealed dustproof ,moistureproof & corrosion proof air duct system.

Dedicated motor for variable frequency

With frequency conversion dedicated fans ,  
Guarantee the most stabilized operated temp.

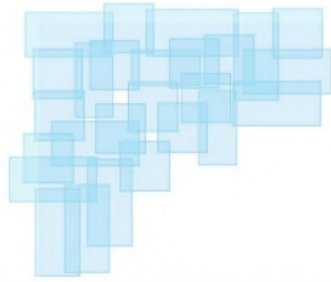
Good energy saving and environmental protection

Manufacture the compressed air according actual demand, Reduce running current ,and save at least 45% power cause by discharge in the meantime.

### ► Direct screw air compressor



1. Air filter
2. Inlet valve
3. Host
4. Cooler/radiator
5. Oil filter
6. Return check valve
7. Cooling fan
8. High efficiency and energy saving motor
9. Rigid coupling and Protection cover



### HIGH QUALITY AIR FILTER ,OIL FILTER & SEPARATOR



#### Air Filter

Use senior filter medium of which the result of dust prevention approaching 99.9%, thus prolong the service life of the air system.

#### OIL FILTER

Use advanced oil filter of which the Filtration precision reaches to  $5\mu$  , Provide great protection for the host.



### High precision three-stage oil-gas separator



Three-stage oil-gas separation system--centrifugal, gravity and fine instrument--With built-in efficient oil-gas separator core, to ensure the oil content of compressed air at 2 ~ 3 PPM, pressure loss is less than 0.02 Mpa , reduce oil mist emission, reduce the loss of the lubricant , thus to reduce the cost.

### HIGH PERFORMANCE PRODUCTION TECHNOLOGY



#### High quality metal shell

The shell is using cold rolled plate which is over 1.5MM. By pickling and phosphating. This product is baked molding under high temperature—220°C. With better properties of water-proof , heat resistance and ultraviolet light resistance. Moreover, it will not paint loss or fade caused by rain, direct sunlight etc.

#### Scientific and effective shock-absorbing

In view of the big vibration of the traditional air compressor, we used the shock-absorbing design inside the machine, which is reduce the vibration by 60% ,And reduce the vibration damage to the basic, thus prolongs the service life.



#### Excellent performance



The noise is only 66 dB which reduces by 10%. The vibration decreases by 60% and the energy consumption is merely 7.35 which is over 10% lower than the traditional air compressor .Little vibration, low noise, electricity save, All of these help the enterprise to save the production cost a lot.

### PLC INTELLIGENT CONTROL SYSTEM

#### Advanced Intelligent surveillance system



The patented Microcomputer intelligent control system which developed by our company, is able to self-diagnosis and self-protection. It will alarm for the overload of host, the over-high exhaust temperature, the motor rotates inversely, the overload of fan power, and the sensor fault on the control panel, can be controlled remote and work safely under unattended.

#### High-performance electrical control components

High-performance electrical control components---Safe and reliable ,with long serving life ,adaptable of wide voltage range ---guarantee the machine runs smoothly.



#### Unique design of inlet control system



The system can be used for more than 2 million times without any trouble, adjust the volume of the air according to the real needed, saving much energy and the cost for the enterprises.

### HIGH QUALITY OF COOLING COMPONENTS

#### Large-sized vessel for lubricant and gas separator



With a large-sized mechanical cyclone, the separate load can be lightened significantly. Galvanizing finishing avoid rust and prevent impurities entering into back-end valves or controlled system as well.

#### Huge size cooler/radiator



After accurate scientific computation, we explore out a new design cooler which is able to protect machine effectively from overheating. Moreover, releasing 30% stock heat to reduces carbon deposits which caused by high temperature. Under special anticorrosion treatment, it could well adapt extreme operational conditions and extend the service life.

#### High-quality minimum pressure valve



The service life of the valve is over 50,000 hours. Adjust the pressure to a suitable level at a high rate of speed during machine running, protect the oil filters and ensure enough lubricant of the rotors and air-tight of the pipeline system, thus make the machine running safely and stably.

## TRUST COMPRESSOR SPECIFICATIONS

Model	1000	1500	2000	2500	3000	4000	5000	6000	7500	9000	12500	15000	18000
HP	10	15	20	25	30	40	50	60	75	90	125	150	180
m3/min 10 bar	0,89	1,43	1,75	2,50	3,36	4,53	5,28	6,96	8,60	11,63	14,73	18,74	20,56
kw working	7,40	10,8	14,65	19,00	24,45	32,00	39,52	48,00	56,75	79,33	95,42	114,96	137,76
KW/m3/h	8,31	7,55	8,37	7,60	7,28	7,06	7,48	6,90	6,60	6,82	6,48	6,13	6,70
dimensions cm	750	945	945	1050	1050	1120	1170	1120	1500	1950	2000	2300	2300
	730	706	706	780	780	800	880	915	1150	1450	1450	1700	1700
	840	1125	1125	1125	1125	1200	1350	1450	1580	1500	1500	1610	1610
kg	220	260	290	460	480	550	650	700	1180	1350	1450	1950	2200
output connection	3/4	1	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	DN 50	DN 50	DN 50	DN 65	DN 65
Oil capacity lit	12	16	16	22	22	26	26	26	54	54	60	90	90