

**DENAIR®**

# Oil-Injected Screw Air Compressor

(Standard ,Energy-Saving,Full Features,  
Tank-mounted,High Pressure series)

Product Brochure



Energy Saving First Mutual Value Shared



# Company Profile

Shanghai Denair (Group) Co.,Ltd is a Sino-German joint venture enterprise group integrating R&D,manufacturing and marketing. The company brought in advanced compressor R&D and manufacturing technology of Germany Denair Group to make product development and large-scale production, including piston air compressors, double screw air compressors, Diesel Portable Air Compressors, High and Medium Pressure Air Compressors, Oil-free Air Compressors and compressed air treatment equipment.

Shanghai Denair (Group) Co.,Ltd not only set up integrated R&D and testing center, but also passed ISO9001, CE, GC,NEETLC etc.

Meanwhile, Shanghai Denair Group Co.,Ltd created unique “Showroom+4S” sales and service mode in this industry. The sales and service network is divided into Domestic 8 areas: East China, South China, North China, Northwest China, Central China , Northeast China, Southwest China and Yangtze Delta and we set up offices in major cities of China to provide our customers with excellent and quick maintenance and repair services through our excellence service staffs.

Denair compressor also owns integrated sales and service network in the whole world including Africa, Southeast Asia, Middle East, Middle East, South America, North America and Oceania etc. with over 200 sales points.

Energy Saving First, Mutual Value Shared, Denair compressor is willing to be your best friend.



## Quality Certificate Authentication



GC Energy-saving Certification



CE European Union standard Certification



ISO9001 the United Kingdom LRQA Certification

# DENAIR Oil-Injected Screw Air Compressor

(Standard, Energy-Saving, Full Features, Tank-mounted, High Pressure series)



# DENAIR Standard Oil-Injected Screw Air Compressor

## Genuine Original Air End System

Air end is the heart of screw air compressor, it directly influences the energy efficiency and noise. DENAIR air compressor adopts original Germany AERZEN air end or Germany DENAIR air end, advanced SAP rotor molded lines, Germany steel forging and heat treated process technology for the material of rotors, its efficiency is 15% higher than nodular cast iron and abrasive process technology for the material of rotors.



Unique Design

## Standard Air End, Low Speed Transmission

Every unit of DENAIR air compressor adopts standard superior air end, there will not be high rotation problem. When choosing the air end, strictly refer to our principle: the best specific power of low rotation speed. Genuine low rotation speed and high specific power, gets the maximum efficiency of energy-saving and silence.



Larger Air Delivery

## Unique Cooling Flow Design

Advanced object-oriented design makes the cold and heat exchange more complete. The gas-oil line design of inner mental tube makes the cooling oil line lubrication achieve higher speed, take off the air end heat in time and totally avoid the high temperature of air end.



Longer Service Life

5  
big adv



## **Air Inlet Valve**

The high-quality air inlet valves can make 0 ~ 100% stepless adjustment to the air delivery of compressor depending on specific demands for terminal air supply, thus reducing the energy consumption. The non-return valve is disposed in an air inlet valve to prevent backflow of air and oil in case of unexpected halt. Several kinds of valves can be applied to stationary or portable compressors.

## **Higher Efficiency**



## **Intelligent Control**

The industry leading fully automatic control center for time switch and electric components are all chosen from world-renowned electric products and bring to you the resulting sense of reliability and convenience in the use of our air compressors.

## **Lower Rotation Speed**



## **Optimum Design of the System**

The technology optimizes the system to effectively reduce errors in running, to make the air output more efficient, keeping the energy consumption at a lower level.

# 5 Advantage

# DENAIR Standard Oil-Injected Screw Air Compressor

## DENAIR Standard Oil-Injected Screw Air Compressor Technical Parameters

Model	Working Pressure (Mpa)	Air Delivery (m <sup>3</sup> /min)	Motor Power (KW)	Driving Mode & Cooling Method	Dimensions (mm)			Weight (kg)	EEI
					L	W	H		
DA-5	0.75	0.90	5.5	Belt Driven Air Cooling	800	800	900	300	EEI 2
	0.85	0.80	5.5		800	800	900	300	
DA-7	0.75	1.23	7.5		800	800	900	350	
	0.85	1.15	7.5		800	800	900	350	
	1.05	1.03	7.5		800	800	900	350	
	1.30	0.89	7.5		800	800	900	350	
DA-11	0.75	1.81	11		800	850	1000	400	
	0.85	1.67	11		800	850	1000	400	
	1.05	1.47	11		800	850	1000	400	
	1.30	1.25	11		800	850	1000	400	
DA-15	0.75	2.10	15		1000	900	1150	450	
	0.85	2.00	15		1000	900	1150	450	
	1.05	1.80	15		1000	900	1150	450	
	1.30	1.60	15		1000	900	1150	450	
DA-18	0.75	3.20	18.5		1000	900	1150	500	
	0.85	3.00	18.5		1000	900	1150	500	
	1.05	2.70	18.5		1000	900	1150	500	
	1.30	2.30	18.5		1000	900	1150	500	
DA-22	0.75	3.80	22		1050	1050	1300	550	
	0.85	3.60	22		1050	1050	1300	550	
	1.05	3.20	22	1050	1050	1300	550		
	1.30	2.80	22	1050	1050	1300	550		
DA-30	0.75	5.40	30	1050	1050	1300	600		
	0.85	5.10	30	1050	1050	1300	600		
	1.05	4.25	30	1050	1050	1300	600		
	1.30	3.75	30	1050	1050	1300	600		
DA-37	0.75	6.80	37	1050	1050	1300	650		
	0.85	6.28	37	1050	1050	1300	650		
	1.05	5.60	37	1050	1050	1300	650		
	1.30	4.60	37	1050	1050	1300	650		
DA-45	0.75	7.80	45	1200	1200	1500	800		
	0.85	7.30	45	1200	1200	1500	800		
	1.05	6.60	45	1200	1200	1500	800		
	1.30	5.70	45	1200	1200	1500	800		
DA-55	0.75	10.50	55	1200	1200	1500	850		
	0.85	9.80	55	1200	1200	1500	850		
	1.05	8.80	55	1200	1200	1500	850		
	1.30	8.00	55	1200	1200	1500	850		
DA-75	0.75	14.10	75	1500	1450	1600	1000		
	0.85	13.30	75	1500	1450	1600	1000		
	1.05	11.80	75	1500	1450	1600	1000		
	1.30	10.00	75	1500	1450	1600	1000		

Note: If you need to customize special voltage, dimensions, etc., please consult with DENAIR sales engineer for advice.

## DENAIR Standard Oil-Injected Screw Air Compressor Technical Parameters

Model	Working Pressure(Mpa)	Air Delivery (m <sup>3</sup> /min)	Motor Power (KW)	Driving Mode& Cooling Method	Dimensions (mm)			Weight (kg)	EEI
					L	W	H		
DA-90	0.75	16.6	90	Direct Driven Air Cooling	2150	1300	1550	1850	EEI 2
	0.85	16.1	90		2150	1300	1550	1850	
	1.05	13.9	90		2150	1300	1550	1850	
	1.30	12.3	90		2150	1300	1550	1850	
DA-110	0.75	21.0	110		2450	1600	1700	2400	
	0.85	20.0	110		2450	1600	1700	2400	
	1.05	17.0	110		2450	1600	1700	2400	
	1.30	14.8	110		2450	1600	1700	2400	
DA-132	0.75	24.1	132		2450	1600	1700	2600	
	0.85	23.0	132		2450	1600	1700	2600	
	1.05	20.5	132		2450	1600	1700	2600	
	1.30	16.8	132		2450	1600	1700	2600	
DA-160	0.75	30.5	160		2650	1600	1800	3500	
	0.85	29.1	160		2650	1600	1800	3500	
	1.05	26.9	160		2650	1600	1800	3500	
	1.30	21.8	160		2650	1600	1800	3500	
DA-185 DA-185W	0.75	32.5	185	2650	1700	1800	3600		
	0.85	30.2	185	2650	1700	1800	3600		
	1.05	27.5	185	2650	1700	1800	3600		
	1.30	24.5	185	2650	1700	1800	3600		
DA-200 DA-200W	0.75	34.8	200	2800	1950	2000	3700		
	0.85	32.0	200	2800	1950	2000	3700		
	1.05	28.0	200	2800	1950	2000	3700		
	1.30	26.0	200	2800	1950	2000	3700		
DA-220 DA-220W	0.75	37.0	220	2800	1950	2000	4300		
	0.85	34.5	220	2800	1950	2000	4300		
	1.05	31.5	220	2800	1950	2000	4300		
	1.30	28.5	220	2800	1950	2000	4300		
DA-250 DA-250W	0.75	42.8	250	2800	1950	2000	5000		
	0.85	40.8	250	2800	1950	2000	5000		
	1.05	38.5	250	2800	1950	2000	5000		
	1.30	35.0	250	2800	1950	2000	5000		
DA-280 DA-280W	0.75	50.7	280	3000	2000	2100	5200		
	0.85	50.0	280	3000	2000	2100	5200		
	1.05	42.0	280	3000	2000	2100	5200		
	1.30	38.3	280	3000	2000	2100	5200		
DA-315 DA-315W	0.75	59.0	315	3000	2000	2200	5200		
	0.85	58.0	315	3000	2000	2200	5200		
	1.05	49.0	315	3000	2000	2200	5200		
	1.30	42.0	315	3000	2000	2200	5200		
DA-355 DA-355W	0.75	65.0	355	3400	2200	2250	5500		
	0.85	62.0	355	3400	2200	2250	5500		
	1.05	52.0	355	3400	2200	2250	5500		
	1.30	47.0	355	3400	2200	2250	5500		
DA-375 DA-375W	0.75	66.0	375	3400	2200	2250	5500		
	0.85	63.0	375	3400	2200	2250	5500		
	1.05	53.0	375	3400	2200	2250	5500		
	1.30	48.0	375	3400	2200	2250	5500		
DA-400 DA-400W	0.75	68.5	400	3700	2400	2450	6000		
	0.85	64.4	400	3700	2400	2450	6000		
	1.05	53.9	400	3700	2400	2450	6000		
	1.30	49.0	400	3700	2400	2450	6000		

Note: If you need to customize special voltage, dimensions, etc., please consult with DENAIR sales engineer for advice.

# DENAIR High Energy Efficient Oil Injected Screw Air Compressor

## 15-75KW Direct Driven Energy-saving Screw Air Compressor Features



- 1、 high precision screw rotor, low speed screw element, achieve high efficiency, low noise, low vibration, high reliability;
- 2、 using cylindrical and rolling cone bearing the joint design of bearing life 100000 hours or more;
- 3、 low noise screw element, heavy-duty design, direct-driven, no gear noise;
- 4、 low rotation speed centrifugal fan, variable frequency oil cooling fan;
- 5、 shell inlet noise elimination, compressor air intake muffler;
- 6、 2 ~ 16 sets compressor can be centralized control, reduce the pressure of the system and reduce the energy consumption, Also can reduce the compressed air leakage, stabilize the pressure.

## 15-75kw Direct Driven Energy-Saving Oil-Injected Screw Air Compressor Advantage

### Efficient Motors

Using the latest standard: GB18613-2012 small and medium three-phase asynchronous motor energy efficiency of limited value and energy efficiency rating, motor with new national energy-efficiency motors, high degree of protection IP54, F class insulation grade, B grade temperature assessment, using imported SKF bearings.



### Intelligent Control System



1、with the power of real-time recording



2、Customers can set the device run time based on actual demand for gas



3、History log and fault recording output

### Coupling Design

- 1、 Stable and reliable, has good shock absorption, cushioning and electrical insulation properties;
- 2、 Simple structure, small radial size, light weight, low inertia, suitable for high-speed applications;
- 3、 With large axial, radial and angular compensation capability;
- 4、 High-strength wear-resistant polyurethane elastic element oil, carrying capacity, long life, safe and reliable;
- 5、 Couplings without lubrication, less maintenance, continuous long-term operation.



# DENAIR High Energy Efficient Oil Injected Screw Air Compressor

## Stainless Steel Pipe Connections

- 1、excellent mechanical properties, superior wear resistance;
- 2、excellent corrosion resistance;
- 3、Stainless steel pipe material is greater than the tensile strength of 304 530N/mm, twice galvanized pipe, copper tube 3-4 times, 8-10 times PPR pipes, but also has good ductility and toughness ;
- 4、long-term safe working at a temperature of -270°C -400°C, whether high or low temperatures, harmful substances are not precipitated, material properties quite stable;
- 5、using a wide range of long life and low overall cost.  
Corrosion test data show that the stainless steel tube life of up to 100 years, virtually no maintenance over the life cycle, avoiding the expense and hassle of replacing the pipeline.



## High Efficiency,Low Energy Cost

In line with national standards GB19153-2009 displacement air compressor energy efficiency of limited value and energy efficiency rating requirements, the power of the screw compressor a level of energy efficiency EER two run-saving data in the following table:

Motor Power(KW)	Air Delivery(m³/min)	KW/(m³/min)	KW/(m³/min)	KW/(m³/min)	Electric charge saved per hour KW.H	Electric charge saved per year KW.H
15	2.2	9.5	8.4	7.4	2.2	19272
18.5	3	9.5	8.4	7.4	3	26280
22	3.6	8.9	8.1	7.2	3.24	28382
30	5	8.9	8.1	7.2	4.5	39420
37	6	8.9	8.1	7.2	5.4	47304
45	7.5	8.9	8.1	7.2	6.75	59130
55	10	8.4	7.3	6.5	8	70080
75	13	8.4	7.3	6.5	10.4	91104

The above data is based on 0.8Mpa working pressure,air cooling type.

## DENAIR High Energy Efficient Oil Injected Screw Air Compressor Technology Parameters(15-75KW)

Model	Working Pressure(Mpa)	Air Delivery (m³/min)	Motor Power (KW)	Driving Mode	Dimensions (mm)			Weight (kg)	EEI
					L	W	H		
DA-15+	0.75	2.7	15	Direct Driven	1350	800	1150	450	EEI 1
	0.85	2.5	15		1350	800	1150	450	
	1.05	2.3	15		1350	800	1150	450	
	1.30	1.9	15		1350	800	1150	450	
DA-18+	0.75	3.3	18.5		1350	800	1150	500	
	0.85	3.2	18.5		1350	800	1150	500	
	1.05	2.7	18.5		1350	800	1150	500	
	1.30	2.3	18.5		1350	800	1150	500	
DA-22+	0.75	4.1	22		1350	800	1150	550	
	0.85	3.7	22		1350	800	1150	550	
	1.05	3.5	22		1350	800	1150	550	
	1.30	3.4	22		1350	800	1150	550	
DA-30+	0.75	6.0	30		1450	900	1200	600	
	0.85	5.7	30		1450	900	1200	600	
	1.05	4.9	30		1450	900	1200	600	
	1.30	4.0	30		1450	900	1200	600	
DA-37+	0.75	7.2	37		1600	1000	1400	650	
	0.85	7.0	37		1600	1000	1400	650	
	1.05	6.0	37		1600	1000	1400	650	
	1.30	5.0	37		1600	1000	1400	650	
DA-45+	0.75	8.8	45	1600	1000	1400	800		
	0.85	8.0	45	1600	1000	1400	800		
	1.05	7.3	45	1600	1000	1400	800		
	1.30	6.1	45	1600	1000	1400	800		
DA-55+	0.75	11.0	55	1800	1200	1400	850		
	0.85	10.5	55	1800	1200	1400	850		
	1.05	9.0	55	1800	1200	1400	850		
	1.30	7.8	55	1800	1200	1400	850		
DA-75+	0.75	14.7	75	1800	1200	1400	1450		
	0.85	13.8	75	1800	1200	1400	1450		
	1.05	12.2	75	1800	1200	1400	1450		
	1.30	10.3	75	1800	1200	1400	1450		

# DENAIR High Energy Efficient Oil Injected Screw Air Compressor

## The New 90 ~ 250 KW Two-stage Compression Screw Air Compressor

### Two Stage Compression Screw Air Compressor Performance Advantages

- 1、 Compared with the single stage compression, two stage compression approach in isothermal compression of the work, in principle, two stage compression than single stage compression 5 ~ 8% energy saving. Adopt two stage compression host, is to use two groups of different size screw rotor, realize the reasonable stress distribution, reduce the compression ratio of each compression. Low compression ratio and two special advantages: one is to reduce the internal leakage, increase the volumetric efficiency; The other one is greatly reduces the bearing load, improve the bearing life, extend the life of the host
- 2、 The top configuration, display quality



#### A: The Secondary Compression Atmospheric Screw Element

- 1、 reasonable distribution of compression ratio, optimize the design of bearing, the service life is more than 100,000 hours.
- 2、 low noise, low vibration, high reliability;
- 3、 two stage compression reduces the single stage compression ratio, reducing leakage, increase the volumetric efficiency, reduce the bearing load, the life of the host.





## B: Control System

- 1、 High-definition lcd touch display, intuitive interface, humanized menu structure design
- 2、 Multi-line operation parameters can be reality and history
- 3、 Uses the original well-known electronic control, simple operation, convenient query maintenance



## C: Efficient Air Intake Valve

- 1、 Large diameter and low pressure drop
- 2、 Improve system stability
- 3、 Ensure effective adjustment control during start-up, operation and stop traffic



## D: The Cooling System

- 1、 Centrifugal cooling fan, quiet efficient
- 2、 Oil cooling fan, frequency conversion start
- 3、 Low power consumption and low noise



## E: High Efficiency Motor

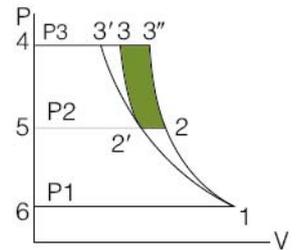
- 1、 large starting torque
- 2、 Insulation class F, protection class IP54
- 3、 SKF bearing, low noise, long service life
- 4、 With the installation of gas, non-stop refueling

# DENAIR High Energy Efficient Oil Injected Screw Air Compressor

## The New 90-250KW Two-stage Compression Screw Air Compressor

### Why Two Stage Compression Air Compressor is more Energy-Saving Than Single Stage Compression Compressor?

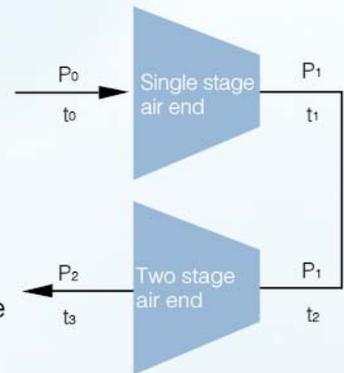
According to the working principle of compressor know, isothermal compression is one of the most province work. The curves for the compression process indicator diagram, below 12 '3' for the isothermal compression process, and the vertical form of area of 613 "4 indicated work for isothermal compression. Curve 123 "as the primary compression process, and the vertical form of area of 613 4" as the level of compression instruction work. Curve 12, 22 ', 2 '3 for two stage compression process, and the vertical form of area is the sum of 6125 and 52' 34 (6122 '34) for the two stage compression indicated work. From here you can see that the isothermal compression process 613 '4 minimum area (indicated work), but in actual compression process of the compressor can't isothermal compression, level 13 more compression than isothermal compression' 3 "the power of the area, and two stage compression level of compression than the power of 2 '23" 3 area.



Note: 12'3' is the process of isothermal compression.  
 123' is the process of single stage compression.  
 122'3 is the process of two stage compression.

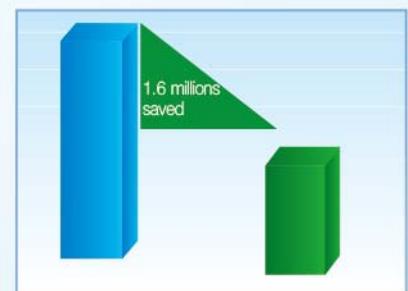
### Two Compression Process

Natural air through the air filter into the first stage compression, the compression chamber is mixed with a small amount of lubricating oil, while the mixed gas is compressed to the inter-stage pressure. The compressed gas enters the cooling passage, in contact with a large number of oil mist, thereby greatly reducing the temperature. After cooling the compressed gas into the second stage rotor, a secondary compression, is compressed to a final discharge pressure. Finally discharged through the exhaust flange compressor, complete the compression process.



### Two Compression Saving Case

- 1、 250KW single-stage compression type compressor running in the state full loading, the electricity cost per hour is about 200 yuan, operating 8000 hours per year, the electricity cost is about 1.6 million;
- 2、 Compared with the single-stage compressor, two-stage compression compressor can reduce more than 10% of electricity consumption. Two-stage compression will save 1.6 million per year.



## DENAIR High Energy Efficient Oil Injected Screw Air Compressor Technology Parameters(90~250KW)

Model	Working Pressure(Mpa)	Air Delivery (m <sup>3</sup> /min)	Motor Power (KW)	Driving Mode	Dimensions (mm)			Weight (kg)	EEI
					L	W	H		
DA-90+	0.75	20.2	90	Direct Driven	2545	1300	1550	2000	Standard
	0.85	16.6	90		2545	1300	1550	2000	
	1.05	13.7	90		2545	1300	1550	2000	
	1.30	11.2	90		2545	1300	1550	2000	
DA-110+	0.75	24.1	110		2795	1600	1795	2600	
	0.85	19.5	110		2795	1600	1795	2600	
	1.05	17.3	110		2795	1600	1795	2600	
	1.30	15.2	110		2795	1600	1795	2600	
DA-132+	0.75	28.1	132		2800	1600	1800	2800	
	0.85	23.3	132		2800	1600	1800	2800	
	1.05	18.8	132		2800	1600	1800	2800	
	1.30	16.3	132		2800	1600	1800	2800	
DA-160+	0.75	33.0	160		3000	1850	2000	3800	
	0.85	28.2	160		3000	1850	2000	3800	
	1.05	23.4	160		3000	1850	2000	3800	
	1.30	19.5	160		3000	1850	2000	3800	
DA-200+ DA-200W+	0.75	41.0	200	3300	1950	2000	4200		
	0.85	37.9	200	3300	1950	2000	4200		
	1.05	32.7	200	3300	1950	2000	4200		
	1.30	27.5	200	3300	1950	2000	4200		
DA-220+ DA-220W+	0.75	45.2	220	3300	1950	2000	4200		
	0.85	41.3	220	3300	1950	2000	4200		
	1.05	37.5	220	3300	1950	2000	4200		
DA-250+ DA-250W+	0.75	53.9	250	3300	1950	2000	5400		
	0.85	45.1	250	3300	1950	2000	5400		
	1.05	39.8	250	3300	1950	2000	5400		

# DENAIR Full Performance Screw Air Compressor

Full performance screw air compressor is a screw compressor, refrigeration dryer, precision filter, cylinders and other components integrated in one. Users easy to install, simple to use, mobile and flexible. After the air through an integrated system, the air quality was optimized to meet the needs of each enterprise processes. Beautiful appearance, reliable performance, excellent economy, is one of our key export series screw air compressor products.



## Product Integration Design

- 1、 Fewer parts and fittings, reducing the machine's faults and leaks;
- 2、 Integration of the pipeline system, greatly reduce the pressure loss;
- 3、 Rule out dry compressed air directly and fully guaranteed user terminal gas quality.



## Excellent Performance Air Dryer

DENAIR using the high quality air dryer, using the environmental friendly refrigerant R134A, R410A (commonly known as cfc-free refrigerants), with beautiful appearance, compact structure configuration scheme of cold energy of high rotary compressor, to ensure the reliable operation in the high temperature conditions.



## DENAIR Full Performance Screw Air Compressor Technology Parameters

Model	Working Pressure(Mpa)	Air Delivery (m <sup>3</sup> /min)	Motor Power (KW)	Driving Mode& Cooling Method	Dimensions (mm)			Weight (kg)	EEI
					L	W	H		
DNA-5LG	0.75	0.90	5.5	Belt Driven Air Cooling	1686	800	1285	495	EEI 2
	0.85	0.80	5.5		1686	800	1285	495	
DNA-7LG	0.75	1.23	7.5		1686	800	1285	545	
	0.85	1.15	7.5		1686	800	1285	545	
	1.05	1.03	7.5		1686	800	1285	545	
DNA-11LG	1.30	0.89	7.5		1686	800	1285	545	
	0.75	1.81	11		1900	850	1450	665	
	0.85	1.67	11		1900	850	1450	665	
DNA-15LG	1.05	1.47	11		1900	850	1450	665	
	1.30	1.25	11		1900	850	1450	665	
	0.75	2.10	15		2150	1000	1700	825	
	0.85	2.00	15		2150	1000	1700	825	
DNA-18LG	1.05	1.80	15		2150	1000	1700	825	
	1.30	1.60	15		2150	1000	1700	825	
	0.75	3.20	18.5		2150	1000	1700	825	
	0.85	3.00	18.5		2150	1000	1700	875	
DNA-22LG	1.05	2.70	18.5		2150	1000	1700	875	
	1.30	2.30	18.5		2150	1000	1700	875	
	0.75	3.80	22		2250	1050	1850	935	
	0.85	3.60	22		2250	1050	1850	935	
DNA-30LG	1.05	3.20	22		2250	1050	1850	935	
	1.30	2.80	22		2250	1050	1850	935	
	0.75	5.40	30		2300	1150	1950	1100	
	0.85	5.10	30		2300	1150	1950	1100	
DNA-37LG	1.05	4.25	30	2300	1150	1950	1100		
	1.30	3.75	30	2300	1150	1950	1100		
	0.75	6.80	37	2300	1150	1950	1150		
	0.85	6.28	37	2300	1150	1950	1150		
DNA-15LG+	1.05	5.60	37	2300	1150	1950	1150		
	1.30	4.60	37	2300	1150	1950	1150		
	0.75	2.7	15.5	2150	1000	1700	825		
	0.85	2.5	15.5	2150	1000	1700	825		
DNA-18LG+	1.05	2.3	15.5	2150	1000	1700	825		
	1.30	1.9	15.5	2150	1000	1700	825		
	0.75	3.3	18.5	2150	1000	1700	875		
DNA-22LG+	0.85	3.2	18.5	2150	1000	1700	875		
	1.05	2.7	18.5	2150	1000	1700	875		
	1.30	2.3	18.5	2150	1000	1700	875		
DNA-30LG+	0.75	4.1	22	2250	1050	1850	935		
	0.85	3.7	22	2250	1050	1850	935		
	1.05	3.5	22	2250	1050	1850	935		
	1.30	3.4	22	2250	1050	1850	935		
DNA-37LG+	0.75	6.0	30	2300	1150	1950	1100		
	0.85	5.7	30	2300	1150	1950	1100		
	1.05	4.9	30	2300	1150	1950	1100		
	1.30	4.0	30	2300	1150	1950	1100		
DNA-37LG+	0.75	7.2	37	2300	1150	1950	1150		
	0.85	7.0	37	2300	1150	1950	1150		
	1.05	6.0	37	2300	1150	1950	1150		
	1.30	5.0	37	2300	1150	1950	1150		

# DENAIR Screw Air Compressor With Air Tank

DENAIR Screw Air Compressor With Air Tank, has 4 specifications of working pressure: 7bar, 8bar, 10bar, 13bar, this helps customers to save production space. It is mainly used for industrial production. It is commonly used in spraying, spraying plastics coating, cement fly ash conveying, pneumatic tools, CNC machining center, food mixing, glass machinery and equipment, woodworking machinery and equipment, filling machinery and equipment, plastic machinery and equipment, packaging machinery and equipment. It's not only more stable than air piston compressor, but also is controlled by computer. It is beautiful, low noise, environmentally friendly. It is a very perfect power equipment for the industrial production.



## Product Features

- 1、 It comes with gas tank. Users do not need to re-provision the gas tank and connecting pipes, It helps to save space, costs and reduce leakage;
- 2、 It adopt DENAIR original Air end, has high performance and high reliability;
- 3、 It employs the professional oil and gas separation system design, and used the imported oil separation components, including exhaust Oil lower than 3ppm;
- 4、 It employs the imported high quality control valves. It runs safely and reliably and saves energy.
- 5、 It uses the microcomputer control system and is controlled intelligently and protects the machine, with multiple machines on-line control function;
- 6、 It has elegant appearance and easy maintenance.



## DENAIR Screw Air Compressor With Air Tank Technical Parameters

Model	Working Pressure(Mpa)	Air Delivery (m <sup>3</sup> /min)	Motor Power (KW)	Driving Mode& Cooling Method	Dimensions (mm)			Weight (kg)	EEI
					L	W	H		
DNA-5G	0.75	0.90	5.5	Belt Driven Air Cooling	1150	800	1556	420	EEI 2
	0.85	0.80	5.5		1150	800	1556	420	
DNA-7G	0.75	1.23	7.5		1150	800	1556	470	
	0.85	1.15	7.5		1150	800	1556	470	
	1.05	1.03	7.5		1150	800	1556	470	
DNA-11G	1.30	0.89	7.5		1150	800	1556	470	
	0.75	1.81	11		1250	850	1750	550	
	0.85	1.67	11		1250	850	1750	550	
DNA-15G	1.05	1.47	11		1250	850	1750	550	
	1.30	1.25	11		1250	850	1750	550	
	0.75	2.10	15		1300	1150	1790	655	
	0.85	2.00	15		1300	1150	1790	655	
DNA-18G	1.05	1.80	15		1300	1150	1790	655	
	1.30	1.60	15		1300	1150	1790	655	
	0.75	3.20	18.5		1300	1150	1790	705	
	0.85	3.00	18.5		1300	1150	1790	705	
DNA-22G	1.05	2.70	18.5		1300	1150	1790	705	
	1.30	2.30	18.5		1300	1150	1790	705	
	0.75	3.80	22		1480	1300	2040	815	
	0.85	3.60	22		1480	1300	2040	815	
DNA-30G	1.05	3.20	22		1480	1300	2040	815	
	1.30	2.80	22		1480	1300	2040	815	
	0.75	5.40	30		1480	1300	2040	865	
	0.85	5.10	30		1480	1300	2040	865	
DNA-37G	1.05	4.25	30	1480	1300	2040	865		
	1.30	3.75	30	1480	1300	2040	865		
	0.75	6.80	37	1480	1300	2040	915		
	0.85	6.28	37	1480	1300	2040	915		
DNA-15G+	1.05	5.60	37	1480	1300	2040	915		
	1.30	4.60	37	1480	1300	2040	915		
	0.75	2.7	15	1300	1150	1790	655		
	0.85	2.5	15	1300	1150	1790	655		
DNA-18G+	1.05	2.3	15	1300	1150	1790	655		
	1.30	1.9	15	1300	1150	1790	655		
	0.75	3.3	18.5	1300	1150	1790	705		
	0.85	3.2	18.5	1300	1150	1790	705		
DNA-22G+	1.05	2.7	18.5	1300	1150	1790	705		
	1.30	2.3	18.5	1300	1150	1790	705		
	0.75	4.1	22	1480	1300	2040	815		
	0.85	3.7	22	1480	1300	2040	815		
DNA-30G+	1.05	3.5	22	1480	1300	2040	815		
	1.30	3.4	22	1480	1300	2040	815		
	0.75	6.0	30	1480	1300	2040	865		
	0.85	5.7	30	1480	1300	2040	865		
DNA-37G+	1.05	4.9	30	1480	1300	2040	865		
	1.30	4.0	30	1480	1300	2040	865		
	0.75	7.2	37	1480	1300	2040	915		
	0.85	7.0	37	1480	1300	2040	915		
DNA-37G+	1.05	6.0	37	1480	1300	2040	915		
	1.30	5.0	37	1480	1300	2040	915		

# DENAIR High Pressure Oil-injected Screw Air Compressor



## DENAIR High Pressure Oil-injected Screw Air Compressor Product Features

- 1、 it is composed of two stages compressor,the first stage is commonly used screw air compressor,and the second stage is screw booster.It can realize significant energy saving through cooling and dehumidifying,at the same time can supply low pressure and high pressure air.
- 2、 Screw booster is adopted imported integrated compression element,with compact design,smooth operation and low noise.
- 3、 Exclusive use of integrated bipolar rotor on one machine, significant energy saving.
- 4、 Maximum discharge pressure up to 4.0Mpa,Air delivery from 14m<sup>3</sup>/min to 80m<sup>3</sup>/min.
- 5、 Adopting fully synthetic lubricated oil,realizing excellent performance and effectively save energy and extending the reliability and service life of the system,at the same time saving the cost of users and lubricated oil disposal.
- 6、 Fully automated control system,user-friendly Chinese interface design, easy operation.

## DENAIR High Pressure Oil-injected Screw Air Compressor Technical Parameters

Model	Working Pressure(bar)	Air Delivery (m <sup>3</sup> /min)	Motor Power (KW)	Driving Mode	Dimensions (mm)			Weight
					L	W	H	
DAH-110-18	18	14	110	Direct Driven	2400	1600	1800	2650
DAH-132-18		16	132		2400	1600	1800	2900
DAH-160-18		20	160		2800	1700	1900	3800
DAH-185-18		23	185		2800	1700	1900	3800
DAH-200-18		27	200		3000	1950	2000	4300
DAH-250-18		32	250		3000	1950	2000	4900
DAH-280-18		40	280		3000	1950	2000	5400
DAH-315-18		45	315		3700	2200	2100	5400
DAH-355-18		50	355		3700	2200	2100	5800
DAH-450-18		65	450		4000	2200	2100	5800
DAH-110-20	20	14	110		2400	1600	1800	2650
DAH-132-20		16	132		2400	1600	1800	2900
DAH-160-20		20	160		2800	1700	1900	3800
DAH-185-20		23	185		2800	1700	1900	3800
DAH-200-20		25	200		3000	1950	2000	4300
DAH-220-20		28	220		3000	1950	2000	4500
DAH-250-20		32	250		3000	1950	2000	4900
DAH-315-20		41	315		3700	2200	2100	5400
DAH-355-20		50	355		3700	2200	2100	5800
DAH-500-20		65	500		4000	2200	2100	6000
DAH-600-20	80	600	4200		2200	2100	6400	
DAH-110-25	25	12	110		2400	1600	1800	2650
DAH-132-25		14	132		2400	1600	1800	2900
DAH-160-25		16	160		2800	1700	1900	3800
DAH-185-25		20	185		2800	1700	1900	3800
DAH-200-25		23	200		3000	1950	2000	4300
DAH-250-25		27	250		3000	1950	2000	4900
DAH-280-25		32	280		3700	2200	2100	5400
DAH-355-25		41	355		3700	2200	2100	5800
DAH-400-25		45	400		4000	2200	2100	5800
DAH-450-25		54	450	4000	2200	2100	5800	
DAH-560-25	65	560	4200	2200	2100	6200		
DAH-110-30	30	12	110	2400	1600	1800	2800	
DAH-132-35	35	12	132	2400	1600	1800	3000	
DAH-132-40	40	12	132	2400	1600	1800	3000	

# DENAIR Oil-Injected Screw Air Compressor

## Optional Control Functions

### Remote Control Function (Optional)

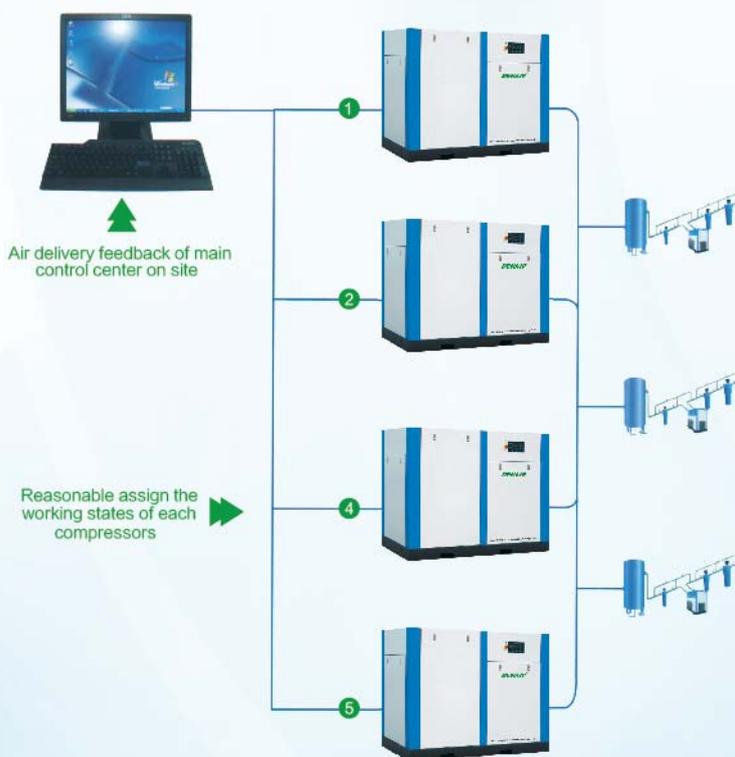
During the network of computer monitoring, the computer is the main engine set and the running controller of air compressors is the subordinate engine set. The computer checks the running parameters of each air compressor in turns. After the analysis and calculation, it gets the working pressure, discharge temperature, current of each phase and the running status of air compressors, and then indicates the result for reference. According to the data, users can send the controlling order to the air compressor controller. That realizes the remote monitoring for running air compressors. Users can conveniently check and set the parameters of air compressors by the interface.

### Multi-joint Control Function (Optional)

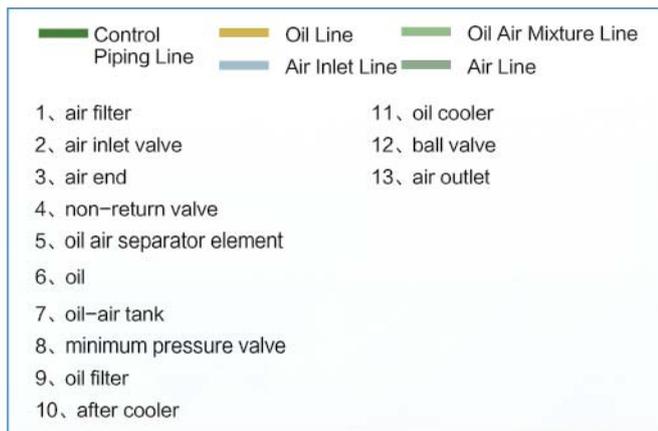
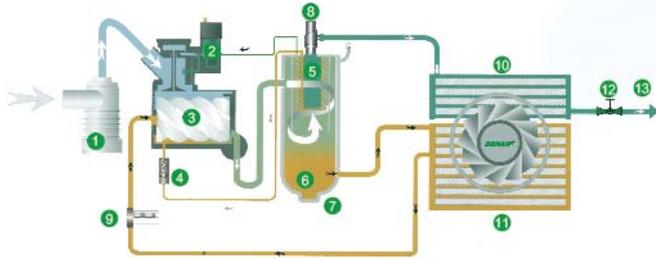
Users can set this function in the intelligent controller to realize the multi-joint function. He also can use the team of air compressors circularly according to the air delivery and pressure to ensure the average running time.

### Communication Function (Optional)

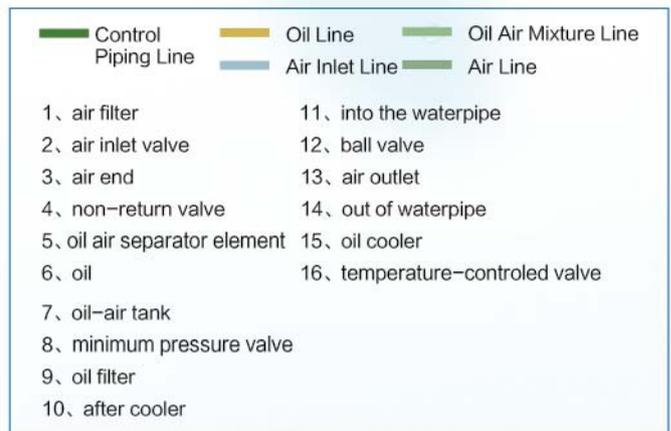
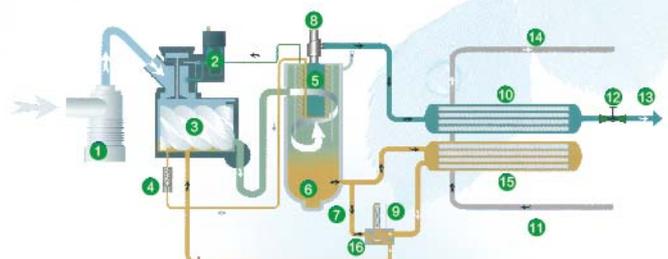
Users can set the communication function in the intelligent controller, then transmit the parameters in it by RS485 to PC center controller to realize the centralized control of 16 sets compressors simultaneously, which saves management cost largely and is convenient for remote control of operator.



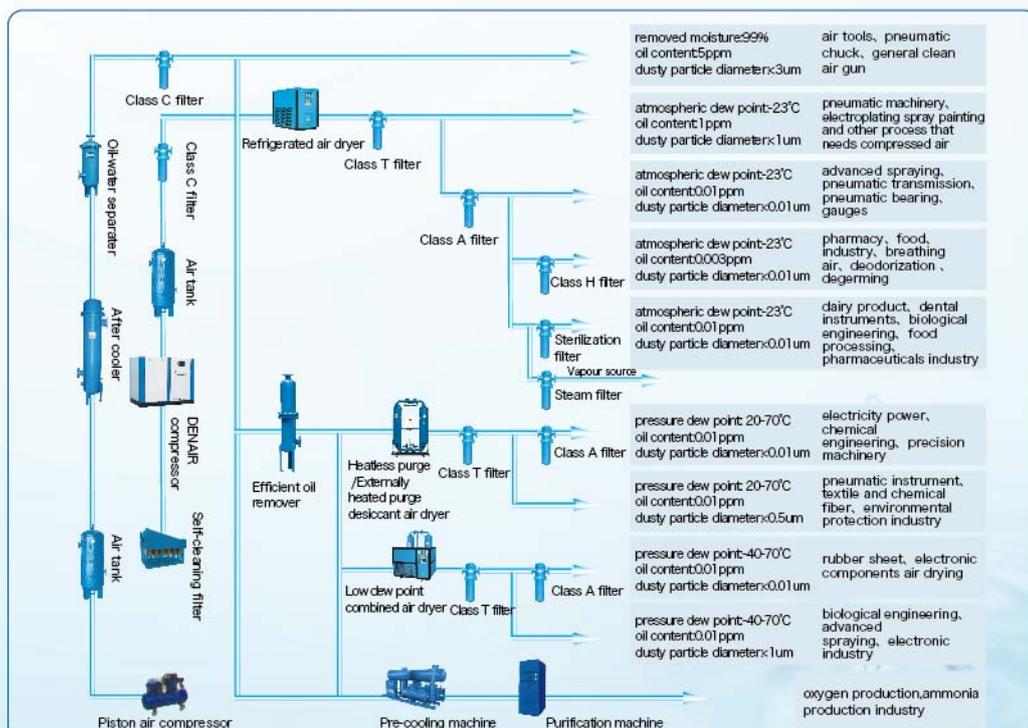
## Air Cooling System Flow Diagram



## Water Cooling System Flow Diagram



## Flowchart Configuration of Compress Air Puriying System



Note: the above chart for reference only, it can be adjusted according to the actual conditions.



## DENAIR Perfect Global 4S Sales Service Network

- 1、 Sales Service System covers the whole China, and after-sales system is of nationwide warranty
- 2、 Our 200 abroad authorized distributors around the world construct the worldwide warranty system

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