

# **Oil-free Water Lubricated Permanent Magnetic Variable Frequency Screw Air Compressor**

**DH7-410kW**



National toll-free service hotline  
**400-820-9290**

**Gardner**  
**Denver**

# Ingersoll Rand

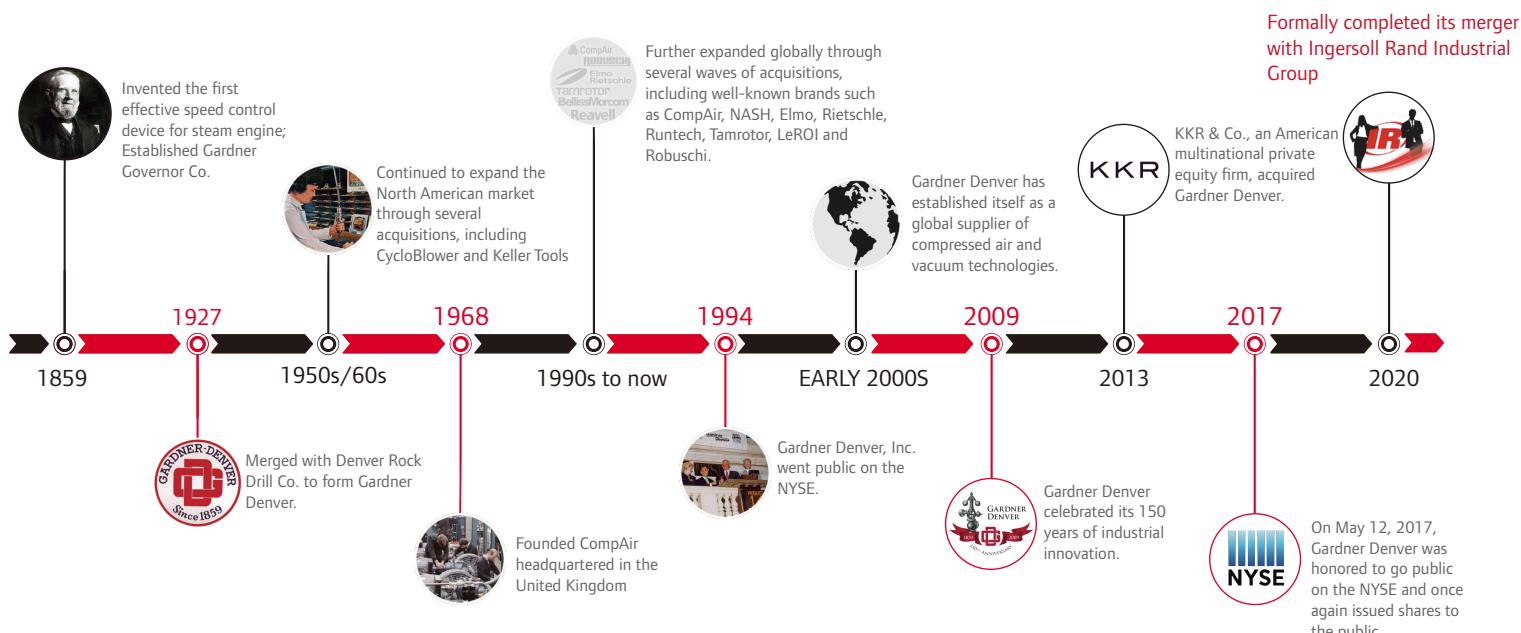
Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to Making Life Better for our employees, customers, shareholders, and planet. Customers lean on us for exceptional performance and durability in mission-critical flow creation and industrial solutions. Supported by over 80+ respected brands, our products and services excel in very complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity, and efficiency. For more information, visit [www.IRCO.com](http://www.IRCO.com).

# Gardner Denver

Gardner Denver brand of Ingersoll Rand Group, founded in 1859, focuses on the development of innovative products and engineering solutions to solve operational problems for our customers. With global collaboration, strong customer service awareness and profound application expertise, we provide reliable and energy-efficient equipment for a variety of manufacturing and process applications. Since March 1, 2020, Ingersoll Rand Industrial Group and Gardner Denver have formally merged to form a new Ingersoll Rand company.

Now, as a larger and stronger company, we can better provide you with more comprehensive solutions and a wider portfolio of products and services.

Driven by entrepreneurship and a sense of ownership, the new Ingersoll Rand company is committed to creating a better life for our employees, customers and those around us.



# Why Oil-Free Compressors?

There's a lot riding on the quality of your air. The presence of particles, condensation, oil and oil vapor in a compressed air system can lead to downtime, product spoilage and recall, damage to your brand reputation, or worse, harmed consumers and product liability.

## For reliability

A robust product and system design delivers top quality air, protecting sensitive downstream equipment, lowering maintenance and extending equipment life

## For productivity

The use of an oil-free Class 0 certified compressor guarantees contamination free air, eliminating the risk of product spoilage and waste

## For serviceability

Our oil-free equipment is designed specifically to make maintenance easy by providing clear access to consumable components

## For lower cost of ownership

Higher initial costs for oil-free systems are more than offset by lower operational and maintenance costs over a system's life to maintain the highest air quality



### ISO 8573-1 Air Quality Grades

Quality Grades	Oil & Oil Vapor mg/m³
0	<0.01
1	0.01
2	0.1
3	1
4	5

Class 0 is the most stringent air class defined by ISO 8573, part 1. Our whole DH7-160(7/8/10bar), DH37-250 (3/4bar), DH55-410(20/30/40bar) series are certified Class 0 for no oil content to ensure your air quality exceeds specifications.

## Oil-Free Water Lubricated Compressors for Your Application

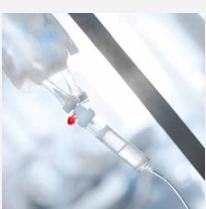
Ingersoll Rand offers a wide portfolio of reliable oil-free products that will adapt to your industry and application. We will assess and propose the best oil-free solution to increase the productivity of your installation, providing zero risk of contamination of your final product.



Hospitals, labs, universities



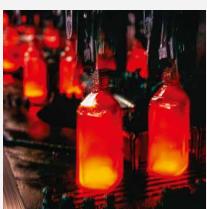
Pharmaceutical, biotechnology



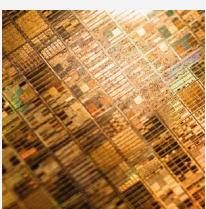
Medical equipment, plastics



Beverage processing



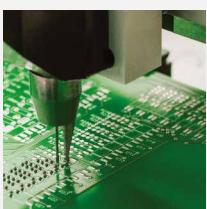
Glass manufacturing



Electronics, semiconductors



Food processing



Electronic assembly



Textile industry



Bottling, distillation



Printing industry



Turf management

## Advantages of Oil-free Water Lubricated Single Screw Compressor



Energy Saving



Reliable



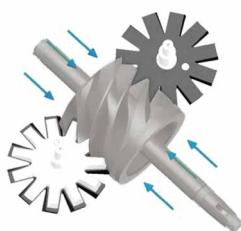
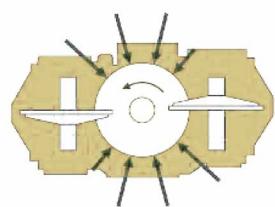
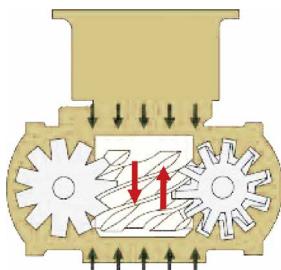
Oil Free



Soundproof

### Efficient and Energy Saving

- When the single screw compressor is working, each screw groove in the screw is used twice in one rotation, so that its space can be fully utilized, thus its structure size is smaller than other rotary compressors
- The screw groove depth of single screw becomes shallower with the increase of compression chamber pressure, and it is zero when the exhaust is over, so there is no clearance volume theoretically
- When water is used as the coolant, resulting in lower temperature, higher efficiency and remarkable energy-saving effect during compression of the air end



### Pure Oil-free

- Employing the water-lubricated cooling technology, with no oil coolant in the compression chamber, thus providing absolutely oil-free compressed air

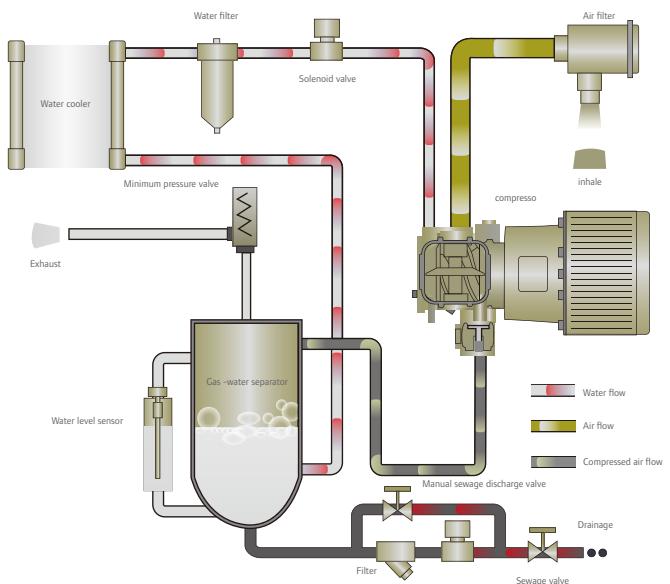
### Soundproof and Environmentally Friendly

- The motor is directly connected with the screw to drive the gearless box, thus eliminating noisy parts
- The soundproof box type outer casing is designed to effectively enclose the noise inside the unit so that the operating noise of the complete machine is kept at a lower level

### Safe and reliable

- One screw and two star wheels (left and right) form 12 compression chambers, which trigger 12 air compression processes per revolution
- The two star wheels of the single screw air compressor are symmetrically distributed on two sides of the screw, ensuring force balance. The axial force and radial force acting on the screw can offset each other, effectively restraining the vibration source
- The rotor is in force balance with small pulsation, low vibration, more reliable performance and longer service life

### Working Flow Chart of Oil-Free Water Lubricated Single Screw Air Compressor



# DH-series oil-free water lubrication permanent magnet VSD air compressors

**DH-series oil-free water lubrication permanent magnet VSD air compressors adopt the water lubrication cooling technology, which does not use oil coolants in the compression chamber. They can provide users with pure compressed air to meet various production needs.**

Low-pressure model DH37-250(3/4bar)

Normal-pressure model DH7-160(7/8/10bar)

Medium-pressure model DH55-410(20/30/40bar)

**All series are ISO8573 Class 0 oil-free certification**



## Highly efficient airend

- Direct injection of pure water in the compression chamber for cooling, without using oil coolants, realizing truly oil-free compressed air
- The airend rotor is made of stainless steel, which will never rust
- Bearings are made of high-end stainless steel to ensure the reliability of water lubrication, thus having high efficiency and low noise
- The airend has no metal parts or metal mesh parts, achieving balanced, stable and reliable rotor stress, as well as long service life



## Rare earth permanent magnet VSD motor

Gardner Denver's DH-series oil-free water lubrication permanent magnet VSD air compressors are equipped with rare earth permanent magnet VSD motors. Compared with the AC asynchronous motor, rare-earth permanent magnet motor has simple structure, reliable operation, high power density and wide speed regulation range, becoming an ideal power choice for efficient and energy-saving air compressors.

### Electric rotor

Permanent magnet rotor, with smaller loss and efficiency increase by 5-10%

### Low noise

Reasonable groove-pole matching, magnetic field design, wider operating frequency, and lower operation noise

### No-shock starting

Smooth soft start, with starting current not more than 2 times of the rated current

### Small volume and light weight

1-2 frame-size smaller compared with same-power asynchronous motor

### Large starting torque

The starting torque and overload capacity of permanent magnet synchronous motor are one power level higher than that of asynchronous motor.

### Large starting torque

The rotor does not need electrical excitation and can achieve high torque at low speed

# **Oil-free Water Lubricated Permanent Magnetic Variable Frequency Screw Air Compressor of DH series**

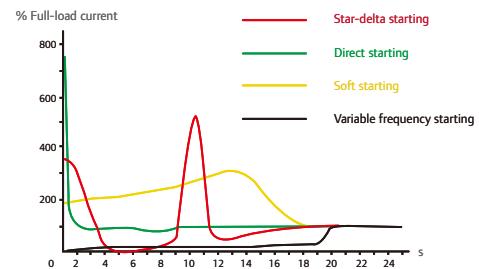
## **Advantages of Frequency Conversion**

- Ordinary air Compressor usually adjust the air consumption by adjusting the air inflow of the air compressor, keeping the air compressor running at the rated speed. Therefore, the actual energy consumption will not decrease proportionally, even if the air consumption decreases.
- The exhaust volume of the variable frequency air compressor can be perfectly combined with the user's air consumption
- When buying an air compressor, the traditional cost (the purchase cost and the operation and maintenance cost) only accounts for 20% of the total cost, while the energy consumption accounts for 80%. Compared with traditional air compressors, variable frequency air compressor of DH series can save at least 30% of energy
- From the beginning of your investment and operation, variable frequency air compressor of DH series will save your costs

## **Smooth Start**

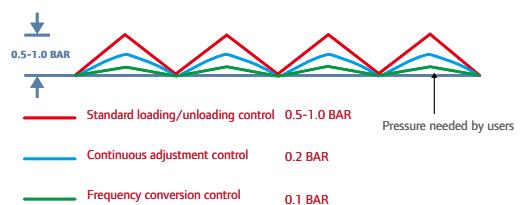
- No starting current peak
- Completely eliminate the energy consumption during unloading
- Reduce the burden of electrical components

Variable frequency starting current is low with no shock on the power grid, which is especially important for users in the area with the unstable power grid



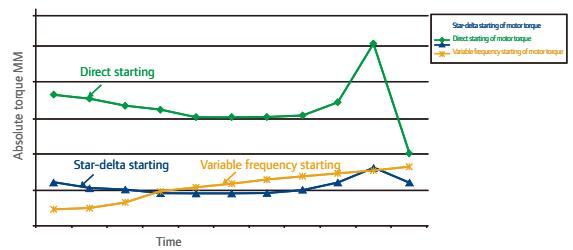
## **Stable Output Pressure**

- Frequency conversion control can keep the pressure band within 0.1bar, so there is no need of a large gas tank
- The pressure will not exceed the required value, resulting in no energy waste



## **Shock-free Start**

- The starting torque of the motor is low, resulting in a small shock on mechanical parts, so the service life of mechanical parts (such as bearings) is longer
- Transfer torque as required, resulting in no energy waste



## **Frequency Converter with Excellent Performance**

- The built-in frequency converter with unique air duct design can ensure stability and reliability
- The cutting-edge vector control technology is adopted to provide good low-frequency speed and dynamic response features
- All-round protection function can realize all-round protection from frequency converter to motor
- The safe lightning protection design with built-in lightning overcurrent protection device effectively improves the inverter's self-protection ability against lightning induction

## DH Series Permanent Magnetic (PM) Variable Speed Drive (VSD) Oil-free Water Lubricated Screw Air Compressor

### Smart Control

- Powerful VSD control for automatic load regulation and comprehensive protection of motor and other components
- Unique design, and alarm, startup, shutdown, frequency hopping and other settings customized by users based on their needs
- Self-diagnostic LCD touchscreen controller with MODBUS RS485 communication port for remote control

### Standard Stainless Steel (SS) Pipelines for Full Series

SS pipelines are equipped for Gardner Denver full series of water lubricated products as standard, which are obviously superior to ordinary carbon steel pipelines in that:

- Anti-corrosive SS free from scale or rust eliminates customers' worries about rusting of carbon steel pipelines
- Smooth inner wall of SS pipelines greatly reduces pressure losses due to low friction coefficient
- SS pipelines are resistant to high temperature & pressure, and can be used for long without leakage and aging, thus effectively extending service life of the air compressors



### Automatic Control System for Water Circulation

- The water circulation system is comprised of softener, water filter, water cooler and water / gas separator, which are all automatically controlled and operated to keep the circulating water in a highly clean state and meet the requirements of the air compressor unit
- The quiet design of all components in the water circulation system eliminates high-frequency noise and significantly reduces operating noise of the water-lubricated unit
- Water filter and water / gas separator is made of stainless steel for higher quality, reliability and performance

### Laser cutting supporting air compressor Performance parameters (pressure :16bar)

Model	Displacement m <sup>3</sup> /min	Pressure barg	Power kW	Adaptor Diameter inch	Dimensions(L x W x H)mm		Weight kg	Cooling water* t/h
DH22VSD-16A	0.7-2.0	16	22	1"	1590 x 870 x 1500		-	640
DH37VSD-16A	1.2-3.1	16	37	1.5"	1690 x 1000 x 1600		-	1010
DH45VSD-16A/W	1.5-4.1	16	45	1.5"	2000 x 1300 x 1650		1590 x 950 x 1500	1110/980 9
DH75VSD-16A/W	2.5-6.7	16	75	2"	2700 x 1650 x 2020		2300 x 1250 x 1600	2000/1550 15

## 7-315kw Product performance parameters (pressure :7/8/10bar)

Model	Displacement m <sup>3</sup> /min	Pressure barg	Power kW	Adaptor Diameter inch	Dimensions (L x W x H)mm Air cooling	Dimensions (L x W x H)mm Water cooling	Weight kg	Noise dB(A)
DH07VSD-7A	0.5-1.3	7	7.5	3/4"	1100 x 750 x 1320	-	430	57
DH07VSD-8A	0.4-1.1	8	7.5	3/4"	1100 x 750 x 1320	-	430	57
DH07VSD-10A	0.3-0.9	10	7.5	3/4"	1100 x 750 x 1320	-	430	57
DH11VSD-7A	0.7-1.7	7	11	3/4"	1100 x 750 x 1320	-	430	57
DH11VSD-8A	0.6-1.5	8	11	3/4"	1100 x 750 x 1320	-	430	57
DH11VSD-10A	0.5-1.3	10	11	3/4"	1100 x 750 x 1320	-	430	57
DH15VSD-7A	1.0-2.5	7	15	1"	1370 x 820 x 1450	-	570	57
DH15VSD-8A	0.9-2.2	8	15	1"	1370 x 820 x 1450	-	570	57
DH15VSD-10A	0.8-2.0	10	15	1"	1370 x 820 x 1450	-	570	57
DH18VSD-7A	1.3-3.2	7	18.5	1"	1370 x 820 x 1450	-	620	58
DH18VSD-8A	1.1-2.8	8	18.5	1"	1370 x 820 x 1450	-	620	58
DH18VSD-10A	1.0-2.5	10	18.5	1"	1370 x 820 x 1450	-	620	58
DH22VSD-7A	1.5-3.7	7	22	1"	1590 x 870 x 1500	-	640	60
DH22VSD-8A	1.4-3.4	8	22	1"	1590 x 870 x 1500	-	640	60
DH22VSD-10A	1.2-3.0	10	22	1"	1590 x 870 x 1500	-	640	60
DH30VSD-7A	2.1-5.3	7	30	1 1/2"	1690 x 1000 x 1600	-	980	61
DH30VSD-8A	1.9-4.7	8	30	1 1/2"	1690 x 1000 x 1600	-	980	61
DH30VSD-10A	1.7-4.3	10	30	1 1/2"	1690 x 1000 x 1600	-	980	61
DH37VSD-7A	2.5-6.2	7	37	1 1/2"	1690 x 1000 x 1600	-	1010	61
DH37VSD-8A	2.2-5.6	8	37	1 1/2"	1690 x 1000 x 1600	-	1010	61
DH37VSD-10A	2.0-5.0	10	37	1 1/2"	1690 x 1000 x 1600	-	1010	61
DH45VSD-7A/W	3.0-7.6	7	45	1 1/2"	2000 x 1300 x 1650	1590 x 950 x 1500	A1100/W1010	65
DH45VSD-8A/W	2.7-6.8	8	45	1 1/2"	2000 x 1300 x 1650	1590 x 950 x 1500	A1100/W1010	65
DH45VSD-10A/W	2.4-6.0	10	45	1 1/2"	2000 x 1300 x 1650	1590 x 950 x 1500	A1100/W1010	65
DH55VSD-7A/W	4.0-10.0	7	55	2"	2450 x 1550 x 1850	2300 x 1250 x 1600	A1500/W1300	67
DH55VSD-8A/W	3.6-9.0	8	55	2"	2450 x 1550 x 1850	2300 x 1250 x 1600	A1500/W1300	67
DH55VSD-10A/W	3.1-7.8	10	55	2"	2450 x 1550 x 1850	2300 x 1250 x 1600	A1500/W1300	67
DH75VSD-7A/W	5.2-13.0	7	75	2"	2700 x 1650 x 2020	2300 x 1250 x 1600	A2000/W1550	71
DH75VSD-8A/W	4.8-12.0	8	75	2"	2700 x 1650 x 2020	2300 x 1250 x 1600	A2000/W1550	71
DH75VSD-10A/W	4.0-10.0	10	75	2"	2700 x 1650 x 2020	2300 x 1250 x 1600	A2000/W1550	71
DH90VSD-7A/W	6.7-16.8	7	90	2 1/2"	3100 x 1600 x 2000	2450 x 1450 x 1700	A2600/W2250	72
DH90VSD-8A/W	6.0-15.0	8	90	2 1/2"	3100 x 1600 x 2000	2450 x 1450 x 1700	A2600/W2250	72
DH90VSD-10A/W	5.6-14.0	10	90	2 1/2"	3100 x 1600 x 2000	2450 x 1450 x 1700	A2600/W2250	72
DH110VSD-7A/W	8.0-20.0	7	110	3"	3500 x 1650 x 2100	2450 x 1450 x 1700	A2800/W2450	74
DH110VSD-8A/W	7.4-18.5	8	110	3"	3500 x 1650 x 2100	2450 x 1450 x 1700	A2800/W2450	74
DH110VSD-10A/W	6.4-16.0	10	110	3"	3500 x 1650 x 2100	2450 x 1450 x 1700	A2800/W2450	74
DH132VSD-7A/W	10.0-25.0	7	132	3"	4000 x 1700 x 2350	2450 x 1450 x 1700	A4500/W2450	77
DH132VSD-8A/W	9.2-23.0	8	132	3"	4000 x 1700 x 2350	2450 x 1450 x 1700	A4500/W2450	77
DH132VSD-10A/W	8.0-20.0	10	132	3"	4000 x 1700 x 2350	2450 x 1450 x 1700	A4500/W2450	77
DH160VSD-7A/W	10.8-27.0	7	160	3"	4000 x 1700 x 2350	2800 x 1500 x 1900	A4500/W2600	78
DH160VSD-8A/W	10.2-25.5	8	160	3"	4000 x 1700 x 2350	2800 x 1500 x 1900	A4500/W2600	78
DH160VSD-10A/W	9.6-24.0	10	160	3"	4000 x 1700 x 2350	2800 x 1500 x 1900	A4500/W2600	78
DH185VSD-7W	11.5-32.8	7	185	3"	-	2800 x 1500 x 1900	3000	78
DH185VSD-8W	10.5-30.0	8	185	3"	-	2800 x 1500 x 1900	3000	78
DH185VSD-10W	9.8-28.0	10	185	3"	-	2800 x 1500 x 1900	3000	78
DH200VSD-7W	11.9-34.0	7	200	3"	-	3600 x 1700 x 2030	3500	78
DH200VSD-8W	11.2-32.0	8	200	3"	-	3600 x 1700 x 2030	3500	78
DH200VSD-10W	10.2-29.0	10	200	3"	-	3600 x 1700 x 2030	3500	78
DH220VSD-7W	13.7-39.0	7	220	4"	-	3600 x 1700 x 2030	4000	78
DH220VSD-8W	13.3-37.0	8	220	4"	-	3600 x 1700 x 2030	4000	78
DH220VSD-10W	12.3-35.0	10	220	4"	-	3600 x 1700 x 2030	4000	78
DH250VSD-7W	14.5-41.5	7	250	4"	-	3600 x 1700 x 2030	4500	79
DH250VSD-8W	14.2-40.5	8	250	4"	-	3600 x 1700 x 2030	4500	79
DH250VSD-10W	13.3-38.0	10	250	4"	-	3600 x 1700 x 2030	4500	79
DH280VSD-7W	17.5-50.0	7	280	4"	-	4000 x 1800 x 2100	4700	79
DH280VSD-8W	16.5-47.0	8	280	4"	-	4000 x 1800 x 2100	4700	79
DH280VSD-10W	15.8-45.0	10	280	4"	-	4000 x 1800 x 2100	4700	79
DH315VSD-7W	19.6-56.0	7	315	5"	-	4000 x 1800 x 2100	5200	80
DH315VSD-8W	18.2-52.0	8	315	5"	-	4000 x 1800 x 2100	5200	80
DH315VSD-10W	16.8-48.0	10	315	5"	-	4000 x 1800 x 2100	5200	80

# Low-pressure Oil-free Permanent Magnetic Variable Frequency Screw Air Compressor

Widely used in the following industries

## Chemical industry

Low-pressure compressed air is used in a variety of chemical processes

## Glass bottle blowing

Various glass bottles are blown with low-pressure compressed air

## Textile industry

Chemical fiber & textile, various textile machines

## Powder conveying

Large amounts of low-pressure compressed air are used to convey powdery substances



## 37-250kW Low voltage product performance parameters (pressure :3/4bar)

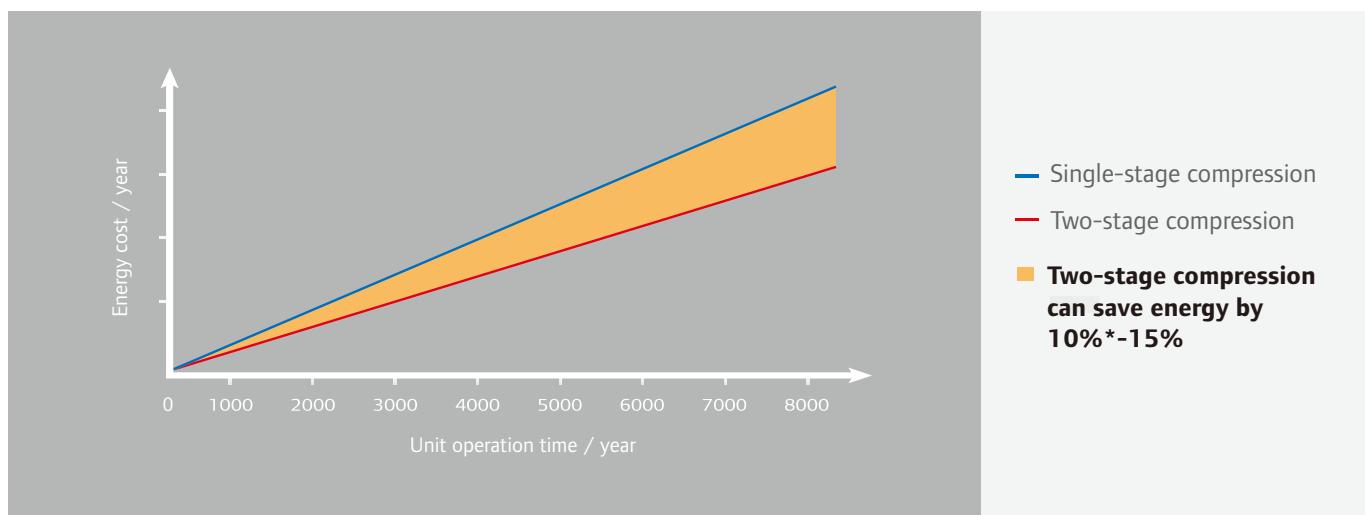
Model	Displacement m <sup>3</sup> /min	Pressure barg	Power kW	Adaptor Diameter inch	Noise dB(A)	Dimensions (L x W x H)mm	Weight kg	Cooling water* t/h
DH37VSD-3A/W	3.1-10.0	3	37	2 1/2"	65	2450x1550x1850(A/W)	1200	8
DH37VSD-4A/W	2.5-8.5	4						
DH45VSD-3A/W	4.2-13.5	3	45	3"	70	2450x1550x1850(A/W)	1500	9
DH45VSD-4A/W	3.1-10.0	4						
DH55VSD-3A/W	5.3-17.5	3	55	4"	71	2700x1650x2020(A) 2700x1450x2000(W)	2200	10
DH55VSD-4A/W	4.1-13.5	4						
DH75VSD-3A/W	7.1-23.0	3	75	4"	75	2700x1650x2020(A) 2700x1450x2000(W)	2450	15
DH75VSD-4A/W	6.4-20.0	4						
DH90VSD-3A/W	8.7-27.0	3	90	5"	77	3500x2000x2250(A) 3600x1700x2030(W)	2600	17
DH90VSD-4A/W	7.5-24.0	4						
DH110VSD-3A/W	10.5-33.8	3	110	5"	78	3500x2000x2250(A) 3600x1700x2030(W)	3000	20
DH110VSD-4A/W	8.7-28.0	4						
DH132VSD-3A/W	14.0-45.0	3	132	6"	78	4000x2000x2350(A) 3600x1700x2030(W)	4500	25
DH132VSD-4A/W	10.8-35.0	4						
DH160VSD-3W	16.2-52.0	3	160	6"	79	3600x1700x2030	5000	28
DH160VSD-4W	13.4-43.0	4						
DH185VSD-3W	18.0-58.0	3	185	6"	79	3800x1700x2300 3600x1700x2030	5100	35
DH185VSD-4W	18.0-45.0	4						
DH200VSD-3W	19.0-60.0	3	200	8"	79	3800x1700x2300	5200	37
DH200VSD-4W	19.0-48.0	4	200	6"	79	3600x1700x2030	5200	37
DH220VSD-4W	19.0-60.0	4	220	6"	79	3800x1700x2300	5300	39
DH250VSD-3W	35.0-70.0	3	250	8"	80	4100x2050x2350	5500	45

## DH-series two-stage compression oil-free water lubrication permanent magnet VSD air compressors

### More efficient and energy-efficient two-stage compression technology

In the two-stage compression process, the compression ratio at each stage is low, which correspondingly reduces the bearing load and thus extends the component life.

- With two-stage compression, the compression ratio at each stage is reduced to reduce internal leakage
- Through inter-stage cooling, the second-stage compression is closer to isothermal compression, thus saving energy



### Two-stage compression product performance parameters (pressure :8/10bar)

Model	Displacement m <sup>3</sup> /min	Pressure barg	Power kW	Adaptor Diameter inch	Dimensions(L x W x H)mm		Weight kg	Cooling water* t/h
					Air cooling	Water cooling		
DH90VSD-2S-8A/W	7.0-20	8	55+37	2 1/2"	3500x1650x2100	3000x1600x2100	3500 AC/3370 WC	15
DH110VSD-2S-10A/W	7.0-20	10	75+45	2 1/2"	4000x2000x2350	3000x1600x2100	3500 AC/3370 WC	22
DH120VSD-2S-8A/W	8.4-24	8	75+45	2 1/2"	4000x2000x2350	3000x1600x2100	3550 AC/3450 WC	22
DH140VSD-2S-10A/W	8.4-24	10	75+65	2 1/2"	4000x2000x2350	3000x1600x2100	3600 AC/3450 WC	25
DH165VSD-2S-8W	10.5-30	8	90+75	3"	-	3000x1600x2100	3500	32
DH180VSD-2S-10W	10.5-30	10	90+90	3"	-	3000x1600x2100	3500	35
DH185VSD-2S-8W	12.6-36	8	110+75	4"	-	3600x2000x2100	4500	35
DH200VSD-2S-10W	12.6-36	10	110+90	4"	-	3600x2000x2100	4500	38
DH200VSD-2S-8W	14-40	8	110+90	4"	-	3600x2000x2100	4500	38
DH220VSD-2S-10W	14-40	10	132+90	4"	-	3600x2000x2100	4500	42
DH240VSD-2S-8W	15.75-45	8	132+110	4"	-	3600x2000x2100	4700	45
DH270VSD-2S-10W	15.75-45	10	160+110	4"	-	3600x2000x2100	4700	50
DH270VSD-2S-8W	17.5-50	8	160+110	5"	-	3800x2000x2100	5000	50
DH290VSD-2S-10W	17.5-50	10	160+132	5"	-	3800x2000x2100	5000	52
DH330VSD-2S-8W	21-60	8	220+110	5"	-	3800x2000x2100	5800	56
DH355VSD-2S-10W	21-60	10	220+132	5"	-	3800x2000x2100	5800	58

For more atmospheric two-stage compression models, please contact the Sales Manager of Grenn Denver Air Compressors

## Medium-pressure products are mainly used in the PET blowing industry

Medium-pressure water lubrication products are mainly used in the PET blowing industry. Compared with traditional medium-pressure piston products, medium-pressure water lubrication products have outstanding advantages:

Medium-pressure water lubrication		Medium-pressure piston machine
Pure oil-free	Air quality	Can't be truly oil-free
Noise 70-80dB(A)	Noise	Noise above 100dB(A)
Single maintenance for 1-2 hours	Maintenance time	Single maintenance for 2-3 days
Less parts and lower cost for maintenance	Maintenance fee	More parts and higher cost for maintenance

## 55-410kW Medium pressure product performance parameters (pressure :20/30/40bar)

Model	Displacement m <sup>3</sup> /min	Pressure barg	Power kW	Adaptor Diameter inch	Noise dB(A)	Dimensions (L x W x H)mm	Weight kg	Cooling water* t/h
DH55VSD-20A/W	1.8-6.0	20	37+15	1"	70	3000x1400x1700(A)	2000	12
DH60VSD-30A/W	1.8-6.0	30	37+22	1"	70	2900x1400x1700(W)	2000	12
DH75VSD-40A/W	1.8-6.0	40	37+37	1"	70		2100	15
DH75VSD-20W	3.0-10.0	20	55+22	1 1/4"	73	3500x1500x1730	2400	17
DH90VSD-30W	3.0-10.0	30	55+37	1 1/4"	73	3500x1500x1730	2300	17
DH120VSD-40W	3.0-10.0	40	75+45	1 1/4"	73	3500x1500x1730	2400	20
DH110VSD-20W	3.8-13.0	20	75+30	1 1/2"	75	3500x1500x1730	2500	22
DH120VSD-30W	3.8-13.0	30	75+45	1 1/2"	75	3500x1500x1730	2500	22
DH145VSD-40W	3.8-13.0	40	90+55	1 1/2"	75	3500x1500x1730	2650	24
DH130VSD-20W	5.0-16.0	20	90+37	1 1/2"	76	4000x1700x1800	3200	27
DH145VSD-30W	5.0-16.0	30	90+55	1 1/2"	76	4000x1700x1800	3200	27
DH185VSD-40W	5.0-16.0	40	110+75	1 1/2"	76	4000x1700x1800	3200	35
DH165VSD-20W	6.1-20.0	20	110+55	2"	76	4000x1700x1800	3600	35
DH185VSD-30W	6.1-20.0	30	110+75	1 1/2"	76	4000x1700x1800	3600	35
DH220VSD-40W	6.1-20.0	40	132+90	1 1/2"	76	4000x1700x1800	3800	38
DH200VSD-20W	7.0-24.0	20	132+65	2"	77	4000x1800x2100	4200	38
DH220VSD-30W	7.0-24.0	30	132+90	2"	77	4000x1800x2100	4200	38
DH270VSD-40W	7.0-24.0	40	160+110	2"	77	4000x1800x2100	4300	45
DH235VSD-20W	8.5-28.0	20	160+75	2 1/2"	78	4200x2000x2100	4600	46
DH270VSD-30W	8.5-28.0	30	160+110	2"	78	4200x2000x2100	4600	46
DH310VSD-40W	8.5-28.0	40	200+110	2"	78	4200x2000x2100	4600	55
DH290VSD-20W	9.5-36.0	20	200+90	2 1/2"	80	4500x2250x2200	5000	50
DH330VSD-30W	9.5-36.0	30	200+132	2 1/2"	80	4500x2250x2200	5000	60
DH380VSD-40W	9.5-36.0	40	220+160	2 1/2"	80	4500x2250x2200	5000	68
DH330VSD-20W	10.0-40.0	20	220+110	2 1/2"	80	4500x2250x2200	5000	65
DH380VSD-30W	10.0-40.0	30	220+160	2 1/2"	80	4500x2250x2200	5000	70
DH410VSD-40W	10.0-40.0	40	250+160	2 1/2"	80	4500x2250x2200	5000	85

# Gardner Denver Manages Your System with Heart and Soul

Gardner Denver has been manufacturing air compressors, blowers, vacuum pumps and related accessories for over 160 years. We are committed to helping customers achieve greater success by constantly improving the quality of our products and services through self-iteration and continuous innovation.

Gardner Denver is always ready to provide you with efficient, reliable and energy-saving compressed air and system solutions.

## Oil-flooded Fixed Speed Air Compressor

Single-state air compressor

0.81-64.00m<sup>3</sup>/min

7-14barg

Two-state air compressor

29.60-70.10m<sup>3</sup>/min

7-14barg

Integrated Air compressor with inbuilt refrigerated dryer

0.81-3.70m<sup>3</sup>/min

7-12.5barg



## Oil-flooded PM VSD Air Compressor

0.15-31.00m<sup>3</sup>/min

7-10barg



## Oil-flooded general VSD air compressor (non-permanent magnet)

12.10-70.10m<sup>3</sup>/min

7-14barg



## Oil-free Air Compressor

Oil-free scroll air compressor

0.21-3.78m<sup>3</sup>/min

8~10barg



## Water lubricating oil-free permanent magnetic VSD air compressor

Normal-pressure model

0.30-27.00m<sup>3</sup>/min

7~10barg



## Water lubricating oil-free permanent magnetic VSD air compressor

Low-pressure model

0.60-70.00m<sup>3</sup>/min

3~4barg

Medium-pressure model  
1.40-40.00m<sup>3</sup>/min  
20~40barg



## Compressed Air Purification System

- Pipelined filter
- Refrigerated dryer
- Desiccant dryer



## After-sales Services for Peace of Mind

- 24-hour toll-free service hotline
- Genuine spare parts
- Customized services



## System Solutions

- Heat recovery system
- iConn intelligent connected platform



iConn



Compressed air system based on highly reliable data analysis at iConn cloud server

# Gardner Denver

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