

- First China micro oil injection single screw air compressor was manufactured in 1988. Water lubricated oil-free compressor was designed 10 years later and research and development of water-lubricated PET oil-free air compressor in 2008
- Assigned air compressor supplier for 2010 World Exposition and 2008 Olympics
- 《The general water injecting single screw air compressor》 Draft unit of industry standard

GAIRS®
GAIRS GROUP

Oil-free single screw air compressor with water lubricating

Range: 1m³ ~ 60m³ 0.2MPa~4.0MPa

GAIRS®

SHANGHAI GAIRS MACHINERY SALES CO., LTD

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电话 (Tel) : 0086-21-57842923 15821005771 邮编 (P.C.): 201617 (2020.9)
Http : www.gairs.cn E-mail : m18918525134@163.com / chencx@gairs-sales.com

Service Hotline : 0086-158 2100 5771



**Environment friendly
Highly efficient Reliable**



JIALISHI SONGJIANG INDUSTRIAL PARK

Company profile

Shanghai GAIRS Machinery Co., Ltd. (Hereinafter referred to as GAIRS) is a joint-stock business integrating science, industry and trading and is committed to the R&D and manufacturing of universal machinery. With a registered capital of RMB 67.8 million, an area of 68,000 m², and a construction area of 50,000m², GAIRS is located in the Songjiang Industrial Zone of the international metropolitan of Shanghai. It is the pioneer developing single-screw air compressor in China, the major drafter of national standard of General Oil Injecting Single-screw Air Compressor and the industrial standard of General Water Injecting Single-screw Air Compressor, the single-screw air compressor production/export base designated in the 11th Five-year Plan of the national compressor industry, vice-chairman unit of China General Mechanical Industry Association, vice-director unit of China General Mechanical Industry Association Compressor Branch, member unit of China Compressor Standardization Technology Committee, National Contract-honoring & Promise-keeping Enterprise and one of China's Top 500 Machinery Units; while GAIRS obtained 2006 Most Competitive Brand from the Ministry of Commerce, Shanghai Famous Trademark; GAIRS air compressor was named Shanghai Famous Brand Product and GAIRS water-lubricating oil-free single-screw air compressor passed the TÜV certification.



TÜV CLASS 0



CE



ISO 9001: 2015 Standard



ISO 14001: 2015 Standard



OHSAS 18001: 2007 Standard



4.0mpa certificate of invention patent



0.8-1.0mpa second class compression patent certificate



High-tech enterprise certificate



Golden Rewards of water lubricated oil-free single screw air compressor



BRAND CHINA Authorized by Ministry of Commerce

Water Lubrication Oil-Free
Air compressor



INGENUITY FOR AIR

With 30 years' experiences in air compressor, 18 years' in inverter and top end control technology, Gairs developed OGWB Series/OGWY permanent magnetic inverter, and low/medium pressure water lubricating oil-free single screw air compressors which will meet higher air compressor standard requirements. The products are widely used in food processing, pharmaceutical production, fermentation, PET bottle blowing, fine chemicals, precision electronics and instrumentation control and other industries.



intelligent

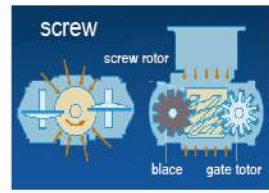
Efficient

environmentally
friendly

Working principle and characteristics of single screw compressor

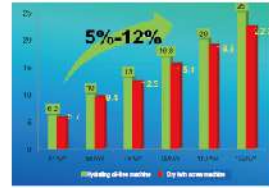
Simple construction Low vibration

The single screw air compressor uses a single screw and two star wheels, one placed on either side of the screw. Radial and axial loads cancel each other, resulting a theoretically zero load. This is the most advanced designing structure of the single screw air compressor.



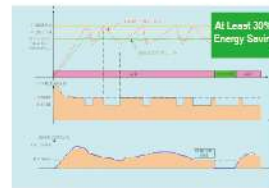
High efficiency

Firstly, single screw air compressor theoretically doesn't have any clearance volume. Secondly, the water used as a lubricating medium also seals gap inside the compression chamber, and enables high efficient operation at low speeds. Thirdly, using water as a cooling method keep compressor ideal isothermal compression.



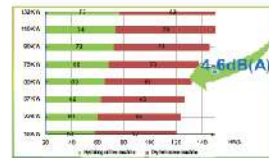
Energy saving

When the actual air usage is lower than rated air delivery, compressor consumes extra power without any air output during unloading. However, with inverter, compressor changes the rotation speed of motor depending on detected air pressure, resulting energy saving.



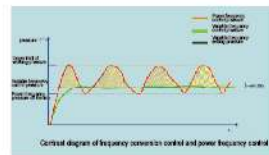
Less noise

First, the motor and screw are directly connected without any rotation gear to cause gear noise. Meanwhile, sound absorbing materials are also used in the equipment shell to reduce noise.



Stable air delivery

Depending on the valve of pressure sensor, the digital controller change the motor rotation speed through inverter. That is how it controls the discharge air pressure to make stable air output.



Monitorable

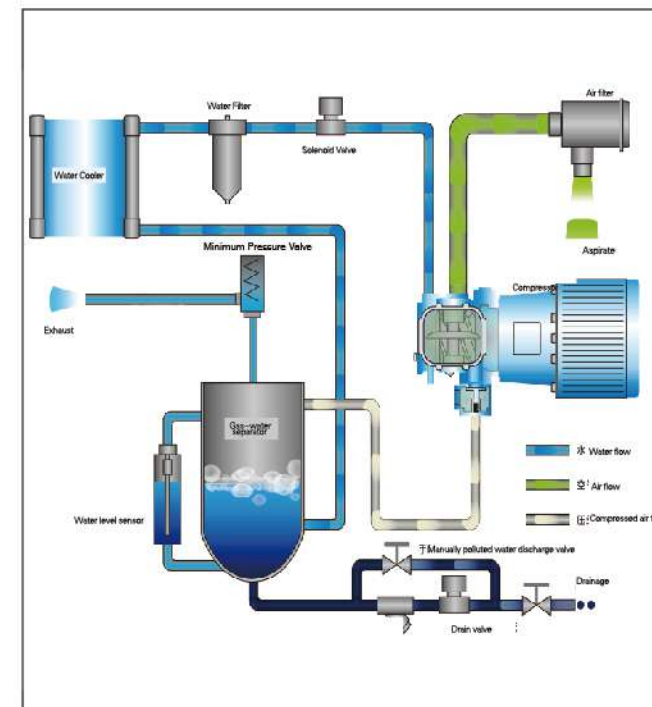
Intelligent monitoring is used to prevent accidents. Emergency alarm appears on computers and short messages will also be sent to managers. All these are substantial to the prevention of production accidents.



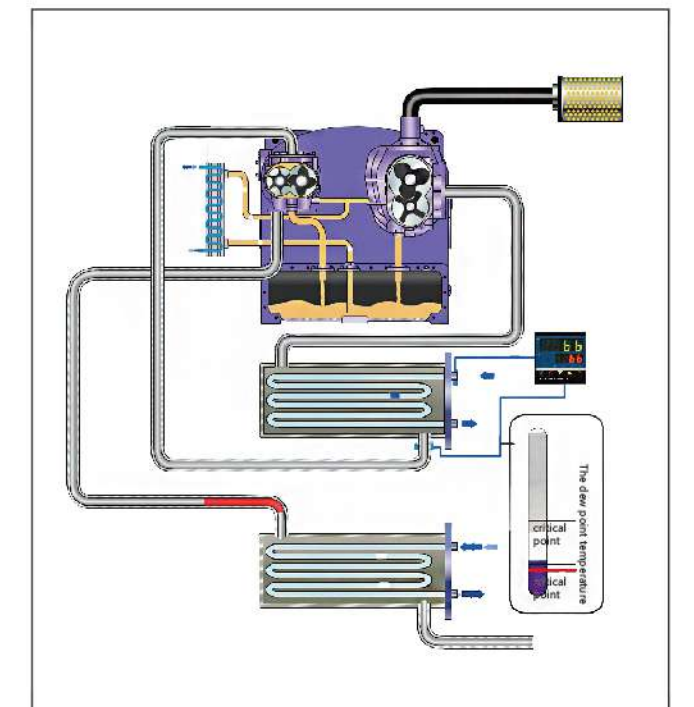
Comparison of water lubricated oil-free single screw air compressor and dry oil-free double screw air compressor

Comparison	Water lubricated oil-free single screw air compressor	Dry oil-free double screw air compressor
Air Discharge Temp.	Cool air discharge (about 50°C)	Hot air discharge (about 180-200°C)
Clearance Volume	Rotor has been used twice through one circulation, no clearance volume left.	Rotor has been used once through one circulation, existing clearance volume in main host.
Air Delivery	Ideal Isothermal Compression, air delivery volume is 5-12% more.	Energy lost due to hot air discharge, low air delivery volume
Efficiency	High efficiency, shaft power 5.5-6.0kW/(m³/min)	Low efficiency, shaft power 6.0-6.6kW/(m³/min)
Air Quality	Water sealing, completed no oil, safety air quality	Oil in the gear, high risk of air quality
Air Purity	Purified by water, clean air after separation	Directly compressed then discharge, containing dust and oil stain in discharged air.
Structure Balance	Radial and axial loads cancel each other	Radial load is not been balanced
Noise and Vibration	Simple structure, low vibration and less noise. Normally: 60-65dB(A)	High frequency noise due to two screw grinding. Normally: 64-78dB(A)
Durability	Rotation speed 3000r/min, theoretically zero load, long lifetime of screw(30000h), star wheel (50000h)	Rotation speed 18000r/min, high loads on screws, short lifetime of screw (8000 - 18000h)
Installation	Only a few spare parts, can be installed and adjusted separately	Complex construction, needs special technical support for installation
Maintenance	Only replaced air and water filter, easy maintenance and low cost	Many spare parts and less maintenance circle, high cost

Water lubricating oil free single screw air compressor engineering flow chart



Double screw dry oil free air compressor engineering flow chart



COMPANY DEVELOPMENT HISTORY

GAIRS®

1988, Company was founded in Wenzhou. First OG series single screw micro-oil air compressor was designed and produced, breaking Euramerican long-time domination on Chinese market.

1988

1998, first oil-free water lubricated single screw air compressor came out, and the company launched OGWB series into the market on 2004.

1998

2002, OGWBD series low pressure (0.2-0.5MPa) oil-free water lubricated single screw air compressor was put onto the market.

2002

2008

2008, World's first two stage, medium pressure OGWBE 4.0 MPa oil-free water lubricated single screw air compressor was designed and tested, unblocking the piston compressor's domination in medium pressure compressor field.

2016

2016, Our company research and development of OGWBC series (0.8MPa~1.0MPa) two-stage compression energy-saving water lubrication air compressor into the market in 2016.



China's micro oil injection single screw air compressor was manufactured



0.7-1.2MPa Oil-free Water Lubricated Single Screw Air Compressor



0.2-0.5MPa Oil-free Water Lubricated Single Screw Air Compressor



4.0MPa Oil-free Water Lubricated Single Screw Air Compressor



Atmospheric pressure 0.8-1.0 MPA two-stage compression energy-saving single screw air compressor oil-free and water lubrication

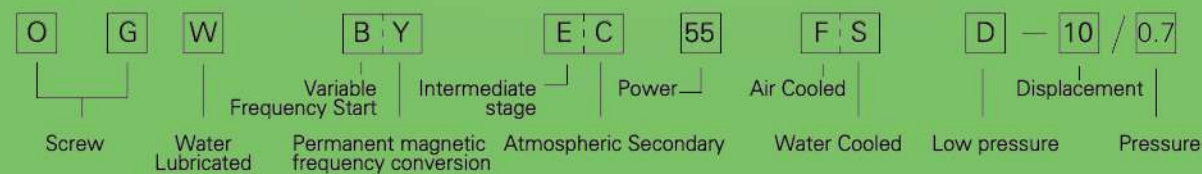
OGWBD PERMANENT MAGNETIC FREQUENCY WATER LUBRICATING OIL-FREE AIR LOW PRESSURE COMPRESSOR

Water Lubrication
Oil-Free

Applicable to blow glass bottle, textile, pharmaceutical, food, beverage, electronics, spraying, etc



Model indexes :



OGWBD series is specially tailored for glass blowing and textile industry

Technical parameters for ogwbd products with inverter water lubricating oil-free low pressure compressor

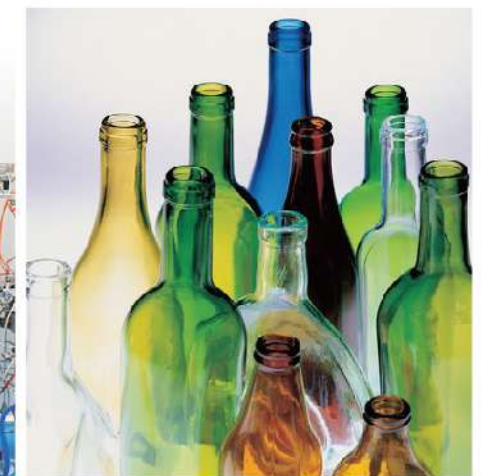
Model	m ³ /min	MPa	kW	L/min	inch	dB(A)	L*W*H (mm)	(kg)	T/h
OGWB11FD	0.8-3.0	0.3	11	30	1 1/2"	58	1590*870*1500(F)	620	
	0.6-2.4	0.4							
OGWB15FD	1.2-4.3	0.3	15	40	2"	60	1690*1000*1600(F)	650	
	1.0-3.7	0.4							
OGWB22FD	1.8-6.1	0.3	22	60	2 1/2"	61	1950*1150*1670(F)	1010	
	1.4-5.0	0.4							
OGWB37F(S)D	3.1-10.0	0.3	37	80	2 1/2"	65	2350*1250*1750(F.S)	1200	8
	2.5-8.5	0.4							
OGWB45F(S)D	4.2-13.5	0.3	45	100	3"	70	2350*1250*1750(F.S)	1500	9
	3.1-10.0	0.4							
OGWB55F(S)D	5.3-17.5	0.3	55	100	4"	71	2850*1750*2020(F.S)	2200	10
	4.1-13.5	0.4							
OGWB75F(S)D	7.1-23.0	0.3	75	120	4"	75	2850*1750*2020(F.S)	2450	15
	6.4-20.0	0.4							
OGWB90F(S)D	8.7-27.0	0.3	90	150	5"	77	3500*2000*2100(F)	2600	
	7.5-24.0	0.4					3300*1700*2030(S)		
OGWB110F(S)D	10.5-33.8	0.3	110	150	5"	78	3500*2000*2100(F)	3000	
	8.7-28.0	0.4					3600*1700*2030(S)		
OGWB132F(S)D	14.0-45.0	0.3	132	200	6"	78	4000*2000*2350(F)	4500	
	10.8-35.0	0.4					3600*1700*2030(S)		
OGWB160SD	16.2-52.0	0.3	160	250	6"	79	3600*1700*2030(S)	5000	28
	13.4-43.0	0.4							
OGWB185SD	18.0-58.0	0.3	185	260	6"	79	3600*1700*2030(S)	5100	35
	18.0-45.0	0.4							
OGWB200SD	19.0-60.0	0.3	200	280	6"	79	3600*1700*2030(S)	5200	37
	19.0-48.0	0.4							
OGWB220SD	18.0-60.0	0.4	220	280	6"	79	3600*1700*2030(S)	5300	39



Textiles



Fermentation



Glass blowing

Water lubricating oil-free single screw compressor parts

HOST COMPONENT

Imported Stainless steel, copper alloy, good wear resistance, heat resistance and corrosion resistance.



STAR WHEEL

With the use of imported polymers, the star wheels have good abrasion resistance, low noise and long service life.



AIR WATER SEPARATOR

Medical stainless steel would ensure the air to be clean and safe.



GAIRS®
GAIRS GROUP

WATER FILTER

Medical stainless steel would ensure the entire system to be clean.



WATER SOFTENER

To derive magnesium ions and calcium ion from water with the ion exchange principle to effectively prevent the host internal circulating water scale and extend the service life of the host.

CONTROL VALVE AND ELECTRICAL EQUIPMENT ACCESSORIES

Adopt imported famous brand component to insure the equipment running stable.



OGWB Applicable to pharmaceutical, food, beverage, electronic, spraying and so on

Technical parameters for ogwb products with inverter water lubricating oil-free single screw air compressor

Model	m ³ /min	MPa	kW	L/min	inch	dB(A)	L*W*H (mm)	(kg)	T/h
OGWB08F	0.5-1.3	0.7	7.5	20	3/4"	57	1100*750*1350	430	
	0.4-1.1	0.8							
	0.3-0.9	1.0							
OGWB11F	0.7-1.7	0.7	11	20	3/4"	57	1100*750*1350	450	
	0.6-1.5	0.8							
	0.5-1.3	1.0							
OGWB15F	0.4-0.8	1.25	15	25	1"	57	1590*870*1500	570	
	1.0-2.5	0.7							
	0.9-2.2	0.8							
OGWB18F	0.8-2.0	1.0	18.5	30	1"	58	1590*870*1500	620	
	0.6-1.6	1.25							
	1.3-3.2	0.7							
OGWB22F	1.1-2.8	0.8	22	30	1"	60	1590*870*1500	640	
	1.0-2.5	1.0							
	0.8-2.1	1.25							
OGWB30F/S	1.5-3.7	0.7	30	40	1 1/2"	61	1690*1000*1600(F) 1590*950*1500(S)	980	6
	1.4-3.4	0.8							
	1.2-3.0	1.0							
OGWB37F/S	1.0-2.5	1.25	37	60	1 1/2"	61	1690*1000*1600(F) 1590*950*1500(S)	1010	8
	2.5-6.2	0.7							
	2.2-5.6	0.8							
OGWB45F/S	2.0-5.0	1.0	45	60	1 1/2"	65	1690*1000*1600(F) 1590*950*1500(S)	1110	9
	1.8-4.2	1.25							
	3.0-7.6	0.7							
OGWB55F/S	2.7-6.8	0.8	55	80	2"	67	2350*1250*1750(F) 2100*1250*1500(S)	1200	10
	2.4-6.0	1.0							
	2.1-5.2	1.25							
OGWB75F/S	4.0-10.0	0.7	75	100	2"	71	2800*1450*1900(F) 2100*1250*1500(S)	1550	15
	3.6-9.0	0.8							
	3.1-7.8	1.0							
OGWB90F/S	2.6-6.0	1.25	90	100	2 1/2"	72	3500*2000*2100(F) 2450*1450*1700(S)	2250	17
	5.2-13.0	0.7							
	4.8-12.0	0.8							
OGWB110F/S	4.0-10.0	1.0	110	120	3"	74	3500*2000*2100(F) 2450*1450*1700(S)	2450	20
	3.5-8.5	1.25							
	6.7-16.8	0.7							
OGWB132F/S	6.0-15.0	0.8	132	120	3"	77	4000*2000*2350(F) 2800*1500*1900(S)	2450	25
	5.6-14.0	1.0							
	4.0-10.4	1.25							
OGWB160F/S	8.0-20.0	0.7	160	150	3"	78	4000*2000*2350(F) 2800*1500*1900(S)	2600	28
	7.4-18.5	0.8							
	6.4-16.0	1.0							
OGWB185S	5.0-12.5	1.25	185	150	3"	78	2800*1500*1900(S)	3000	35
	10.0-25.0	0.7							
	10.8-27.0	0.7							
OGWB200S	10.2-25.5	0.8	200	170	3"	78	2800*1500*1900(S)	3200	38
	9.8-24.0	1.0							
	7.8-19.0	1.25							
OGWB250S	13.5-33.8	0.7	250	200	4"	79	3100*1700*2100(S)	4500	45
	12.4-31.0	0.8							
	11.2-28.8	1.0							
	9.0-22.0	1.25							
	14.5-36.0	0.7							
	13.0-33.0	0.8							
	12.0-27.0	1.0							
	10.0-23.5	1.25							
	17.2-43.0	0.7							
	16.4-41.0	0.8							
	15.5-38.8	1.0							
	12.0-30.0	1.25							

OGWY PERMANENT MAGNETIC FREQUENCY WATER LUBRICATING OIL-FREE AIR COMPRESSOR

Water Lubrication
Oil-Free

ONE WORLD, PURER AIR



AT LEAST **30%** ENERGY SAVING

OGWY permanent magnet frequency conversion series energy saving housekeeper

Technical parameters for ogwy products with permanent magnetic inverter water lubricating oil-free single screw compressor

Model	m ³ /min	MPa	kW	L	inch	dB(A)	L*W*H (mm)	(kg)	T/h
OGWY08F	0.5-1.3	0.7	7.5	20	3/4"	57	1100*750*1350	430	
	0.4-1.1	0.8							
	0.3-0.9	1.0							
OGWY11F	0.7-1.7	0.7	11	20	3/4"	57	1100*750*1350	450	
	0.6-1.5	0.8							
	0.5-1.3	1.0							
OGWY15F	1.0-2.5	0.7	15	25	1"	57	1590*870*1500	570	
	0.9-2.2	0.8							
	0.8-2.0	1.0							
OGWY18F	0.6-1.6	1.25	18.5	30	1"	58	1590*870*1500	620	
	1.3-3.2	0.7							
	1.1-2.8	0.8							
OGWY22F/S	1.0-2.5	1.0	22	30	1"	60	1590*870*1500(F/S)	640	5
	0.56-3.7	0.7							
	0.52-3.4	0.8							
OGWY30F/S	0.45-3.0	1.0	30	40	1 1/2"	61	1690*1000*1600(F) 1590*950*1500(S)	980	6
	0.36-2.5	1.25							
	2.1-5.3	0.7							
OGWY37F/S	1.9-4.7	0.8	37	60	1 1/2"	61	1690*1000*1600(F) 1590*950*1500(S)	1010	8
	1.7-4.3	1.0							
	1.4-3.5	1.25							
OGWY45F/S	1.03-6.2	0.7	45	60	1 1/2"	65	1690*1000*1600(F) 1590*950*1500(S)	1110	9
	0.91-5.6	0.8							
	0.80-5.0	1.0							
OGWY55F/S	0.62-4.2	1.25	55	80	2"	67	2350*1250*1750(F) 2100*1250*1500(S)	1200	10
	1.32-7.6	0.7							
	1.16-6.8	0.8							
OGWY75F/S	0.98-6.0	1.0	75	100	2"	71	2800*1450*1900(F) 2100*1250*1500(S)	1550	15
	0.80-5.2	1.25							
	1.63-10.0	0.7							
OGWY90F/S	1.40-9.0	0.8	90	100	2 1/2"	72	3500*2000*2100(F) 2450*1450*1700(S)	2250	17
	1.20-7.8	1.0							
	0.90-6.0	1.25							
OGWY110F/S	2.07-13.0	0.7	110	120	3"	74	3500*2000*2100(F) 2450*1450*1700(S)	2450	20
	1.81-12.0	0.8							
	1.56-10.0	1.0							
OGWY132F/S	1.26-8.5	1.25	132	120	3"	77	4000*2000*2350(F) 2800*1500*1900(S)	2450	25
	2.45-16.8	0.7							
	2.05-15.0	0.8							
OGWY160F/S	1.82-14.0	1.0	160	150	3"	78	4000*2000*2350(F) 2800*1500*1900(S)	2600	28
	1.50-10.0	1.25							
	3.03-20.0	0.7							
OGWY185S	2.69-18.5	0.8	185	150	3"	78	2800*1500*1900(S)	3000	35
	2.37-16.0	1.0							
	1.90-12.5	1.25							
OGWY200S	3.62-25.0	0.7	200	170	3"	78	2800*1500*1900(S)	3200	38
	3.21-23.0	0.8							
	2.94-20.0	1.0							
OGWY250S	2.40-16.0	1.25	250	200	4"	79	3100*1700*2100(S)	4500	45
	10.8-27.0	0.7							
	10.2-25.5	0.8							
OGWY250S	9.6-24.0	1.0	250	200	4"	79	3100*1700*2100(S)	4500	45
	7.6-19.0	1.25							
	13.5-33.8	0.7							
OGWY250S	12.4-31.0	0.8	250	200	4"	79	3100*1700*2100(S)	4500	45
	11.2-28.8	1.0							
	9.0-22.0	1.25							
OGWY250S	14.5-36.0	0.7	250	200	4"	79	3100*1700*2100(S)	4500	45
	13.0-33.0	0.8							
	12.0-27.0	1.0							
OGWY250S	10.0-23.5	1.25	250	200	4"	79	3100*1700*2100(S)	4500	45
	17.2-43.0	0.7							
	16.4-41.0	0.8							
OGWY250S	15.5-38.8	1.0	250	200	4"	79	3100*1700*2100(S)	4500	45
	12.0-30.0	1.25							

OGWBC TWO STAGE PERMANENT MAGNETIC FREQUENCY LUBRICATING OIL-FREE SINGLE SCREW AIR COMPRESSOR

Water Lubrication / Oil-Free

Continuous innovation of national brands



AT LEAST **25%** ENERGY SAVING

Gairs Air Compressor

OGWBC energy saving two - stage compression a lifetime of benefits

Technical parameters for ogwbe products with inverter water lubricating oil-free normal pressure compressor

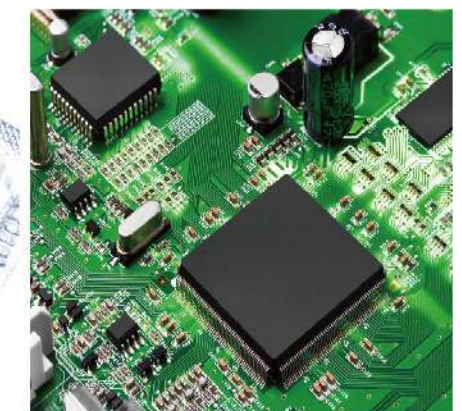
Model	m ³ /min	MPa	kW	L/min	inch	dB(A)	L*W*H (mm)	(kg)	T/h
OGWBC45F/S	10	0.8	30+18.5	80	2"	68	2850*1750*2020(F)	2200	10
OGWBC55F/S		1.0	37+22	90			2500*1400*1900(S)		15
OGWBC65F/S	13	0.8	37+30	90	2"	72	2850*1750*2250(F)	2200	15
OGWBC75F/S		1.0	37+37	100			2500*1400*1900(S)		2400
OGWBC75F/S	16	0.8	45+30	100	2 1/2"	73	2850*1750*2250(F)	2400	20
OGWBC90F/S		1.0	45+45	110			2600*1700*2100(S)		2500
OGWBC90F/S	20	0.8	55+37	120	3"	74	4000*2000*2400(F)	2500	20
OGWBC110F/S		1.0	55+55				3000*1600*2000(S)		2600
OGWBC120F/S	24	0.8	75+45	130	3"	76	4000*2000*2400(F)	2800	25
OGWBC140F/S		1.0	75+65				3000*1600*2000(S)		25
OGWBC155S	30	0.8	90+65	150	3"	76	3000*1600*2100(S)	3200	26
OGWBC180S		1.0	90+90						30
OGWBC185S	36	0.8	110+75	180	4"	78	3600*2000*2100(S)	4300	35
OGWBC200S		1.0	110+90						37
OGWBC200S	40	0.8	132+75	200	4"	78	3600*2000*2100(S)	4500	37
OGWBC220S		1.0	132+90						38
OGWBC220S	45	0.8	132+90	230	4"	79	3600*2000*2400(S)	4700	38
OGWBC250S		1.0	132+110						40
OGWBC250S	50	0.8	132+110	250	5"	79	3600*2000*2400(S)	5000	40
OGWBC270S		1.0	132+132						43
OGWBC315S	60	0.8	185+132	290	5"	80	4000*2000*2400(S)	5200	50
OGWBC355S		1.0	185+160						310



Food



Pharmaceuticals



Electronics

OGWBE POWER SAVING TWO STAGE WITH INVERTER WATER LUBRICATING OIL-FREE SINGLE SCREW AIR COMPRESSOR

Water Lubrication
Oil-Free

Pet bottle blowing machine saves energy and environmental friendly, revolutionizes industry



Gairs Air Compressor

Professional design for PET bottle blowing machine

Technical parameters for two stage ogwbe products with inverter water lubricating oil-free medium-pressure

Model	m ³ /min	MPa	kW	L/min	inch	dB(A)	L*W*H (mm)	(kg)	T/h
OGWBE22F/S	0.8-2.0	3.0	11+11	45	3/4"	63	2300*1400*1700(F.S)	880	5
OGWBE25F/S		4.0	11+15	55				980	6
OGWBE30F/S	1.0-3.0	3.0	18.5+11	60	3/4"	64	2300*1400*1700(F.S)	1050	6
OGWBE35F/S		4.0	18.5+15	61				1100	8
OGWBE37F/S	1.2-3.7	3.0	30+11	62	3/4"	65	2300*1400*1700(F) 2000*1200*1600(S)	1250	9
OGWBE45F/S		4.0	30+18.5	62				1300	
OGWBE45F/S	1.4-4.5	3.0	30+15	62	1"	65	2900*1400*1700(F.S)	1250	9
OGWBE55F/S		4.0	30+22	75				1480	9
OGWBE55F/S	1.8-6.0	2.0	37+15	86	1"	70	2900*1400*1700(F.S)	1520	10
OGWBE60F/S		3.0	37+22	86				2000	12
OGWBE65F/S		4.0	37+30	92				2000	12
OGWBE75F/S	3.0-10.0	2.0	55+22	110	1 1/4"	73	3600*1750*2000(F) 3500*1500*1730(S) 3500*1500*1730(S)	2100	15
OGWBE90F/S		3.0	55+37					2400	24
OGWBE110S		4.0	75+37					120	2300
OGWBE110F/S	3.8-13.0	2.0	75+30	135	1 1/2"	75	3500*1500*1730(S)	2500	22
OGWBE120S		3.0	75+45	135				2500	22
OGWBE135S		4.0	90+45	148				2650	24
OGWBE130S	5.0-16.0	2.0	90+37	160	2"	76	4000*1700*1800(S)	27	27
OGWBE145S		3.0	90+55	160				3200	27
OGWBE165S		4.0	110+55	160				35	35
OGWBE165S	6.1-20.0	2.0	110+55	172	2"	76	4000*1700*1800(S)	3600	35
OGWBE185S		3.0	110+75	172				3600	35
OGWBE210S		4.0	132+75	185				3800	38
OGWBE200S	7.0-24.0	2.0	132+65	200	2 1/2"	77	4200*2000*2100(S)	4200	38
OGWBE220S		3.0	132+90	200				4200	38
OGWBE250S		4.0	160+90	200				4300	45
OGWBE230S	8.5-28.0	2.0	185+45	210	2 1/2"	78	4200*2000*2100(S)	46	46
OGWBE260S		3.0	185+75	210				4600	46
OGWBE290S		4.0	200+90	225				55	55
OGWBE300S	9.5-36.0	2.0	185+110	220	3"	80	4500*2250*2200(S)	50	50
OGWBE315S		3.0	185+132	260				5000	60
OGWBE355S		4.0	200+160	290				68	68
OGWBE330S	10.0-40.0	2.0	220+110	280	3"	80	4500*2250*2200(S)	65	65
OGWBE355S		3.0	220+132	300				5000	70
OGWBE400S		4.0	220+185	360				85	85



Environment friendly · High efficient · Reliable