



Oil Free

Air/Gas Compressors

Water Lubricated Air/Gas Screw compressor

Installed motor power 5.5 -315 kW

Free air delivery from 0.62 to 50.01 m³/min,

Pressure 1.5 - 12.5 bar 20-40 bar



Farafanhava Co



Product Series

GW Series

Installed motor power 5.5 -315 kW
Free air delivery from 0.62 to 50.01 m³/min,
Pressure 1.5 - 12.5 bar

GWH Medium Pressure Series

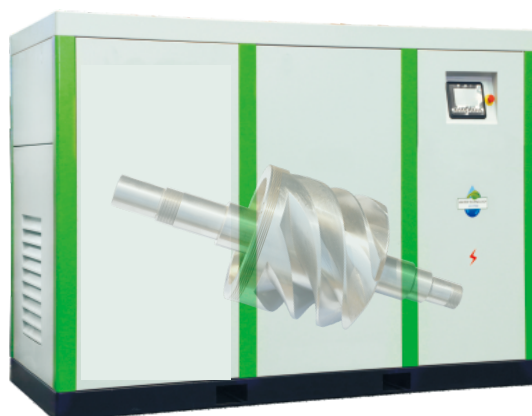
Installed motor power 37 -250 kW
Free air delivery from 4.2 to 30 m³/min,
Pressure 20-40 bar

GWL Low Pressure Series

Installed motor power 30-180 kW
Free air delivery from 6.7 to 50.06 m³/min,
Pressure 1.5 - 4 bar

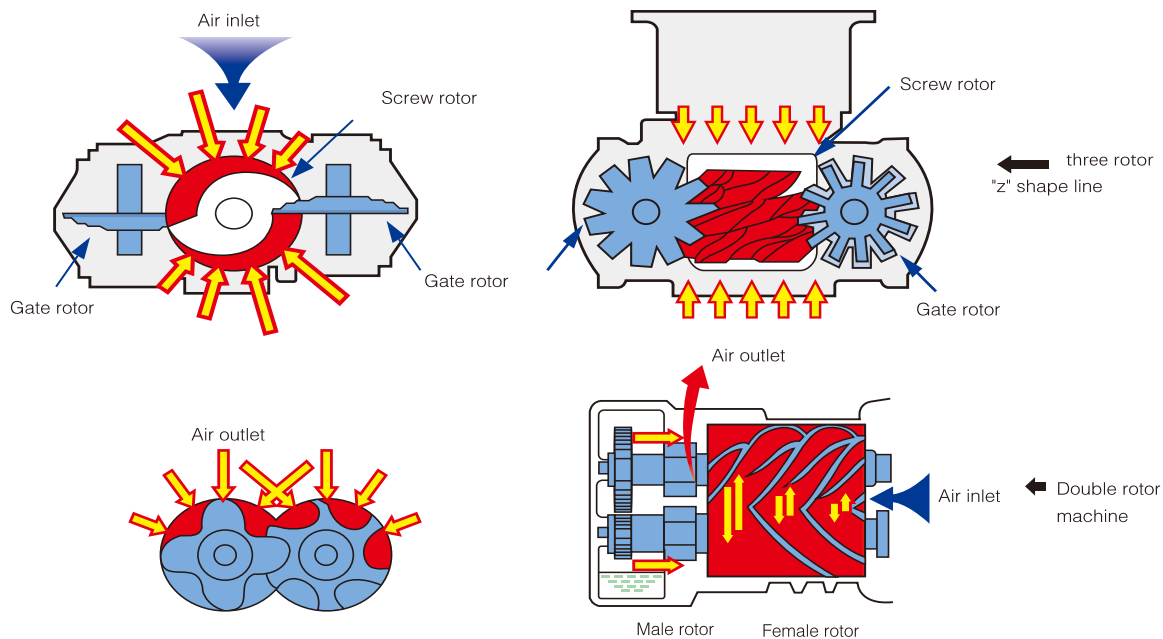
GWT Series Gas Compressors

Installed motor power 11-250 kW
Free air delivery from 0.5 to 41 m³/min,
Pressure 8 - 12.5 bar

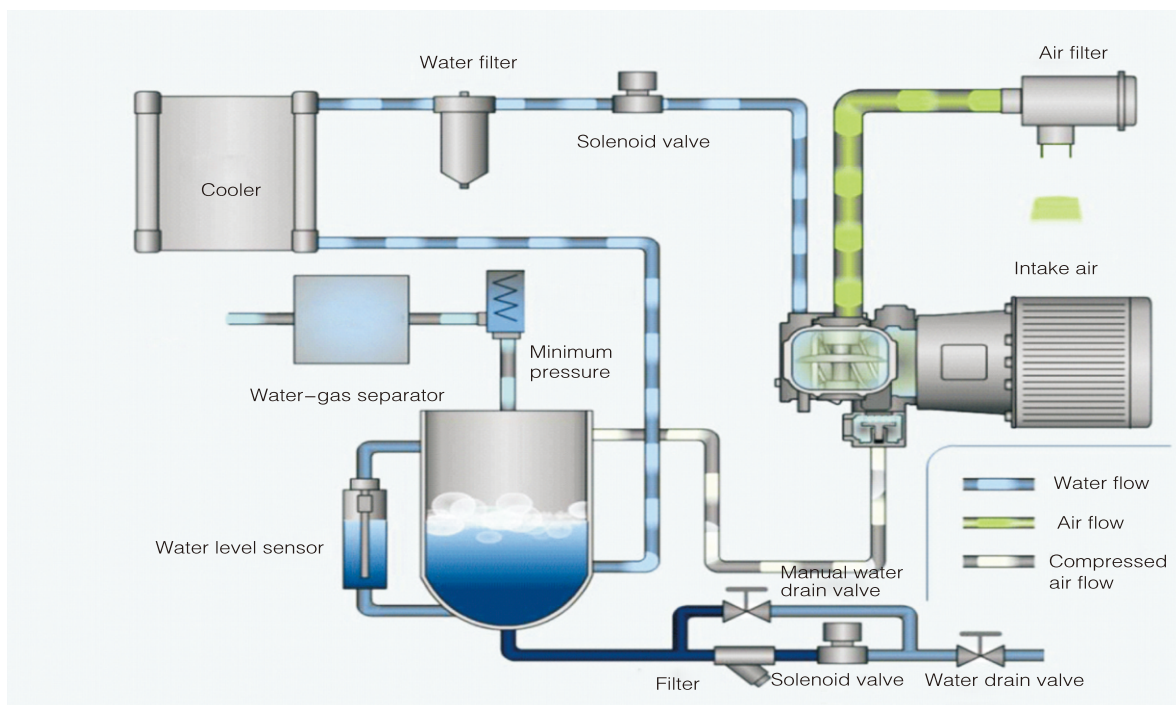


Oil Free Working Principle

Features and advantages



Working Flow Diagram



GW Series

7-12.5 Bar

General Oil Free Air Compressor

GW Series Smart Energy-Saving Water Lubricating Oil-Free Screw Compressor:

Self-learning function, smart start/stop;

Detect the ambient temperature to prevent the ambient temperature from being too high to cause high-temperature failure;

Detect the terminal pressure of the post-treatment equipment, effectively prevent the pressure difference from being too high to waste electric energy;

Detect the motor's temperature to protect it.



Technical Parameters

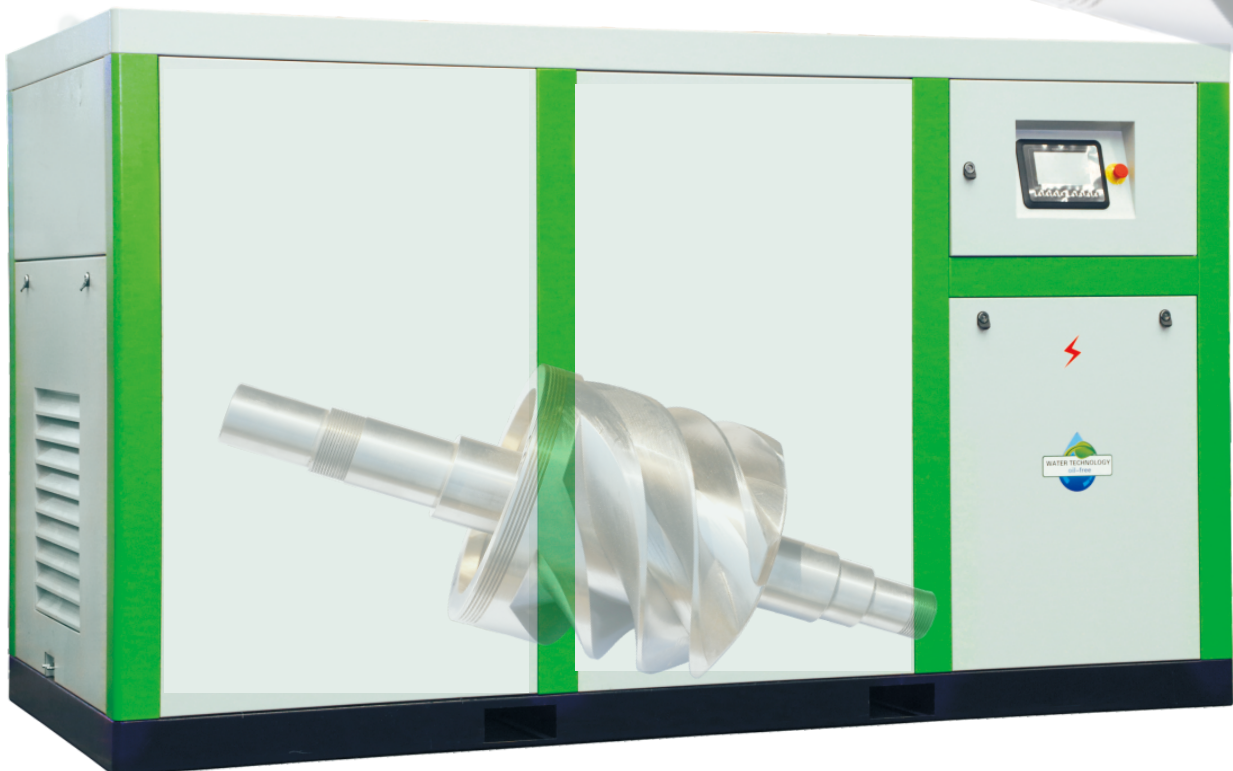
GW Sereis

Model	Maximum work pressure MPa	FAD m³/min	Motor power kW	Noise dB	Pipe diameters oACooling waterinlet and outlet	Quantity oA cooling water	Lubricating water L	Dimension LxWxH mm	Weight kG	Air outlet
						Water entering32℃ T/H				
GW06A/W	0.8 1.0	0.78 0.65	5.5	58	3/4"	1.5	10	800x800x1200	430	3/4"
GW08A/W	0.8 1.0 1.25	1.15 1.02 0.81	7.5	58	3/4"	2	10	800x800x1200	470	3/4"
GW11A/W	0.8 1.0 1.25	1.55 1.32 1.01	11	60	1"	2.5	26	1150x755x1340	580	3/4"
GW15A/W	0.8 1.0 1.25	2.30 2.12 1.60	15	63	1"	3.5	26	1150x755x1340	650	3/4"
GW18A/W	0.8 1.0 1.25	3.10 2.62 2.10	18.5	65	1"	4	30	1400x900x1450	705	1"
GW22A/W	0.8 1.0 1.25	3.42 3.15 2.62	22	65	1"	5	30	1400x900x1450	745	1"
GW30A/W	0.8 1.0 1.25	5.05 4.20 3.18	30	67	1 1/2"	7	40	1550x1150x1550(A) 1500x1150x1300(W)	1100	1 1/4"
GW37A/W	0.8 1.0 1.25	6.10 5.25 4.85	37	67	1 1/2"	9	40	1550x1150x1550(A) 1500x1150x1300(W)	1150	1 1/4"
GW45A/W	0.8 1.0 1.25	7.80 6.15 5.65	45	68	1 1/2"	10	90	1980x1300x1760(A) 1800x1300x1670(W)	1390	2"
GW55A/W	0.8 1.0 1.25	9.60 8.55 7.45	55	70	1 1/2"	12	120	1980x1300x1760(A) 1800x1300x1670(W)	1470	2"
GW75A/W	0.8 1.0 1.25	12.60 11.42 9.85	75	73	1 1/2"	18	120	2100x1600x1900(A) 2200x1500x1800(W)	2250 1630	2"
GW90A/W	0.8 1.0 1.25	14.80 13.05 12.10	90	73	1 1/2"	20	180	2400x1600x2000(A) 2200x1500x1800(W)	2650 2350	2 1/2"
GW110A/W	0.8 1.0 1.25	19.50 16.80 15.15	110	78	2"	24	180	3000x1700x2250(A) 2200x1500x1800(W)	3150 2460	2 1/2"
GW132A/W	0.8 1.0 1.25	22.52 20.30 18.25	132	78	2"	30	240	3000x1700x2250(A) 2200x1500x1800(W)	3500 2500	2 1/2"
GW160W	0.8 1.0 1.25	28.11 24.50 22.15	160	80	3"	35	240	2700x1800x2050	3700	DN80
GW185W	0.8 1.0 1.25	33.65 28.50 24.50	185	80	3"	38	300	2700x1800x2050	3750	DN80
GW200W	0.8 1.0 1.25	36.63 32.75 27.50	200	80	4"	42	300	2700x1800x2050	3900	DN100
GW220W	0.8 1.0 1.25	39.50 35.80 29.50	220	80	4"	47	360	2700x1800x2050	4200	DN100
GW250W	0.8 1.0 1.25	41.00 36.30 34.50	250	80	4"	58	360	2700x1800x2050	4600	DN100

NOTES:1. Take"GW75" for example: G standard model , W for WATER, 75 for 75KW, namely the machine's main motor power, V for variable frequency or permanent magnet variable frequency (7.5KW~110KW), and the suffix, if any, A for air cooling, W for water cooling,and R for process gas; from tests in standard working conditions and for reference only.

Medium Pressure Oil Free Air Compressor

There are many medium-pressure compressed air to be used to 1.6-4.0 Mpa in medicine, electronic, chemical microbial fermentation, blow moulding, pressure detection and other industrial production such as power plants, naval ships, military and national defense facilities. At present, piston air compressors are mostly used at home and abroad, but its efficiency is very low. GWH series compressors have compact structure, high efficiency, low noise, low vibration, easy maintenance, low operating cost and good air quality, and the machine was controlled by micro-computer system. The machine has multiple protective function of pressure temperature and overload energy.



Technical Parameters

GWH Sereis

Model	Work pressure MPa	FAD m³/min	Air supply temperature °C	Power kW	Noise dB(A)	Weight kG	Outlet Diameter inch	Dimension LxWxH mm
GW37WH	2.0	4.2	+<15°C	37	65	1950	3/4"	2500X1400X1500
	2.5	3.9						
	3.0	3.6						
	4.0	2.8						
GW45WH	2.0	5.1	+<15°C	45	65	2100	1"	2700X1400X1600
	2.5	4.8						
	3.0	4.5						
	4.0	3.5						
GW55WH	2.0	6.8	+<15°C	55	65	2300	1"	2700X1400X1600
	2.5	6.4						
	3.0	5.8						
	4.0	4.4						
GW75WH	2.0	8.8	+<15°C	75	70	3400	1"	2900X1500X1650
	2.5	8.3						
	3.0	7.8						
	4.0	6.4						
GW90WH	2.0	11.6	+<15°C	90	75	3600	1 1/4"	3500X1600X1800
	2.5	10.5						
	3.0	9.8						
	4.0	7.8						
GW110WH	2.0	14.5	+<15°C	110	75	3800	1 1/4"	3500X1600X1800
	2.5	13.2						
	3.0	12.0						
	4.0	9.6						
GW132WH	2.0	16.0	+<15°C	132	78	4050	1 1/2"	3700X1700X1800
	2.5	15.1						
	3.0	14.0						
	4.0	11.5						
GW160WH	2.0	21.0	+<15°C	160	78	6000	1 1/2"	3800X1700X2000
	2.5	18.5						
	3.0	17.0						
	4.0	14.0						
GW200WH	2.0	27.5	+<15°C	200	78	6500	1 1/2"	4000X1800X2100
	2.5	24.5						
	3.0	22.5						
	4.0	17.8						
GW250WH	2.0	32.5	+<15°C	250	78	7200	2"	4200X1950X2200
	2.5	30.0						
	3.0	28.0						
	4.0	22.5						

NOTES:1. Take "GW75WH" for example: G standard model, W for WATER, 75 for 75KW, namely the machine's main motor power, V for variable frequency or permanent magnet variable frequency (7.5KW~110KW), and the suffix, if any, A for air cooling, W for water cooling, and R for process gas; from tests in standard working conditions and for reference only.

GWL Series

1.5-4 Bar

Low Pressure Oil Free Air Compressor

In textile, glass, plastics, water treatments chemical cement and other industry fields, 0.15-0.4Mpa compressed air is often be required , GWL series compressors can save more than 30% energy than the normal compressor.



Technical Parameters

GWL Sereis

Model	Maximum work pressure MPa	FAD m³/min	Motor power kW	Noise dB	Pipe diameters øA Cooling water inlet and outlet	Quantity of A cooling water	Lubricating water L	Dimension	Weight kG	Air outlet
						Water entering 32°C T/H		LxWxH mm		
GW06VA/W	0.8 1.0	0.3–0.78 0.2–0.65	5.5	58	3/4"	1.5	10	800x800x1200	460	3/4"
GW08VA/W	0.8 1.0 1.25	0.35–1.15 0.3–1.02 0.24–0.81	7.5	58	3/4"	2	10	800x800x1200	510	3/4"
GW11VA/W	0.8 1.0 1.25	0.54–1.55 0.45–1.32 0.35–1.01	11	60	1"	2.5	26	1150x755x1340	620	3/4"
GW15VA/W	0.8 1.0 1.25	0.75–2.30 0.65–2.12 0.6–1.60	15	63	1"	3.5	26	1150x755x1340	670	3/4"
GW18VA/W	0.8 1.0 1.25	0.9–3.10 0.9–2.62 0.6–2.10	18.5	65	1"	4	30	1400x900x1450	730	1"
GW22VA/W	0.8 1.0 1.25	1.1–3.42 0.97–3.15 0.85–2.62	22	65	1"	5	30	1400x900x1450	780	1"
GW30VA/W	0.8 1.0 1.25	1.55–5.05 1.255–4.20 1.10–3.18	30	67	1 1/2"	7	40	1550x1150x1550(A) 1500x1150x1300(W)	1150	1 1/4"
GW37VA/W	0.8 1.0 1.25	1.91–6.10 1.60–5.25 1.42–4.85	37	67	1 1/2"	9	40	1550x1150x1550(A) 1500x1150x1300(W)	1200	1 1/4"
GW45VA/W	0.8 1.0 1.25	2.50–7.80 1.91–6.15 1.70–5.65	45	68	1 1/2"	10	90	1980x1300x1760(A) 1800x1300x1680(W)	1490	2"
GW55VA/W	0.8 1.0 1.25	3.0–9.60 1.91–6.15 2.30–7.45	55	70	1 1/2"	12	120	1980x1300x1760(A) 1800x1300x1680(W)	1570	2"
GW75VA/W	0.8 1.0 1.25	3.95–12.60 3.40–11.42 3.0–9.85	75	73	1 1/2"	18	120	2100x1600x1900(A) 2200x1500x1800(W)	2250 1750	2"
GW90VA/W	0.8 1.0 1.25	5.0–14.80 4.30–13.05 3.72–12.10	90	73	1 1/2"	20	180	2400x1600x2000(A) 2200x1550x1800(W)	3150 2450	2 1/2"
GW110VA/W	0.8 1.0 1.25	6.0–19.50 5.07–16.80 4.65–15.15	110	78	2"	24	180	3000x1700x2250(A) 2200x1550x1800(W)	3150 2580	2 1/2"
GW132VA/W	0.8 1.0 1.25	6.75–22.52 6.0–20.30 5.07–18.25	132	78	2"	30	240	3000x1700x2250(A) 2200x1550x1800(W)	3500 2700	2 1/2"
GW160VW	0.8 1.0 1.25	8.5–28.11 7.6–24.50 6.7–22.15	160	80	3"	35	240	2700x1800x2050	3900	DN80
GW185VW	0.8 1.0 1.25	10–33.65 8.72–28.5 7.75–24.5	185	80	3"	38	300	2700x1800x2050	4050	DN80
GW200VW	0.8 1.0 1.25	11.2–36.63 9.68–32.75 9.2–27.50	200	80	4"	42	300	2700x1800x2050	4200	DN100
GW220VW	0.8 1.0 1.25	12.2–39.50 11.2–35.80 9.0–29.50	220	80	4"	47	360	2700x1800x2050	4400	DN100
GW250VW	0.8 1.0 1.25	13.5–41.00 12.3–36.30 10.2–34.50	250	80	4"	58	360	2700x1800x2050	4800	DN100

NOTES:1. Take "GW75VW" for example: G standard model, W for WATER, 75 for 75KW, namely the machine's main motor power, V for variable frequency or permanent magnet variable frequency (7.5KW~110KW), and the suffix, if any, A for air cooling, W for water cooling, and R for process gas; from tests in standard working conditions and for reference only.

GWT Series

7-12.5 Bar

Special Process Gas Compressor

In industrial production and some fields, there exists compression of flammable, explosive and corrosive gases. Because of the feature of low temperature and corrosion resistance, These compressors are absolutely safe to compress flammable, explosive gases and corrosive gases.

We have successfully developed gasoline compressor, nitrogen compressor, oxygen compressor, carbon dioxide compressor, biogas compressor, acetone compressor and other special gas compressors.



Technical Parameters

GWT Sereis

Model	Maximum work pressure MPa	FAD m³/min	Motor power kW	Noise dB	Pipe diameters oACooling waterinlet and outlet	Quantity oA cooling water	Lubricating water L	Dimension LxWxH mm	Weight kG	Air outlet
						Water entering32℃ T/H				
GW11VWR	0.8	0.54-1.55	11	60	1"	2.5	26	1150x755x1340	620	3/4"
	1.0	0.45-1.32								
	1.25	0.35-1.01								
GW15VWR	0.8	0.75-2.30	15	63	1"	3.5	26	1150x755x1340	670	3/4"
	1.0	0.65-2.12								
	1.25	0.6-1.60								
GW18VWR	0.8	0.9-3.10	18.5	65	1"	4	30	1400x900x1450	730	1"
	1.0	0.9-2.62								
	1.25	0.6-2.10								
GW22VWR	0.8	1.1-3.42	22	65	1"	5	30	1400x900x1450	780	1"
	1.0	0.97-3.15								
	1.25	0.85-2.62								
GW30VWR	0.8	1.55-5.05	30	67	1 1/2"	7	40	1500x1150x1300	1150	1 1/4"
	1.0	1.255-4.20								
	1.25	1.10-3.18								
GW37VWR	0.8	1.91-6.10	37	67	1 1/2"	9	40	1500x1150x1300	1200	1 1/4"
	1.0	1.60-5.25								
	1.25	1.42-4.85								
GW45VWR	0.8	2.50-7.80	45	68	1 1/2"	10	90	1800x1300x1680	1490	2"
	1.0	1.91-6.15								
	1.25	1.70-5.65								
GW55VWR	0.8	3.0-9.60	55	70	1 1/2"	12	120	1800x1300x1680	1570	2"
	1.0	1.91-6.15								
	1.25	2.30-7.45								
GW75VWR	0.8	3.95-12.60	75	73	1 1/2"	18	120	2200x1500x1800	1750	2"
	1.0	3.40-11.42								
	1.25	3.0-9.85								
GW90VWR	0.8	5.0-14.80	90	73	1 1/2"	20	180	2200x1550x1800	2450	2 1/2"
	1.0	4.30-13.05								
	1.25	3.72-12.10								
GW110VWR	0.8	6.0-19.50	110	78	2"	24	180	2200x1550x1800	2580	2 1/2"
	1.0	5.07-16.80								
	1.25	4.65-15.15								
GW132VWR	0.8	6.75-22.52	132	78	2"	30	240	2200x1550x1800	2700	2 1/2"
	1.0	6.0-20.30								
	1.25	5.07-18.25								
GW160VWR	0.8	8.5-28.11	160	80	3"	35	240	2700x1800x2050	3900	DN80
	1.0	7.6-24.50								
	1.25	6.7-22.15								
GW185VWR	0.8	10-33.65	185	80	3"	38	300	2700x1800x2050	4050	DN80
	1.0	8.72-28.5								
	1.25	7.75-24.5								
GW200VWR	0.8	11.2-36.63	200	80	4"	42	300	2700x1800x2050	4200	DN100
	1.0	9.68-32.75								
	1.25	9.2-27.50								
GW220VWR	0.8	12.2-39.50	220	80	4"	47	360	2700x1800x2050	4400	DN100
	1.0	11.2-35.80								
	1.25	9.0-29.50								
GW250VWR	0.8	13.5-41.00	250	80	4"	58	360	2700x1800x2050	4800	DN100
	1.0	12.3-36.30								
	1.25	10.2-34.50								

NOTES:1. Take"GW75VWR" for examole: G standard model , W for WATER, 75 for 75KW, namely the machine's main motor power, V for variable frequency or permanent magnet variable frequency (7.5KW~110KW), and the suffix, if any, A for air cooling, W for water cooling,and R for process gas;
2.The above parameters are from tests in standard working conditions and for reference only.



P-DNR202404-08 Specifications are subject to change without prior notice.
Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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