

















The related products of Oubo have obtained the above certification, and the specific product certification is detailed in the relevant product certification certificate

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FGZ SERIES

SPECIALIZED DIRECT EXPANSION AIR CONDITIONING UNIT FOR LARGE SPACES

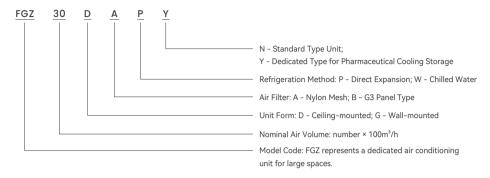
The FGZ series large-space dedicated air conditioning system, which employs a newly developed mortise-tenon splicing frameless air conditioning cabinet by Auburn, mainly consists of filters, heat exchangers, fans, motors, jet nozzles, and other components. It can meet various requirements for cooling and heating capacities as well as different installation forms. The unit is compact in structure, lightweight, aesthetically pleasing, and has excellent cooling and heating performance.

The FGZ series large-space dedicated air conditioning system can be divided into four types based on different usage types: chilled water type, air-cooled single-cooling type, air-cooled heat pump type, and northern heating type.

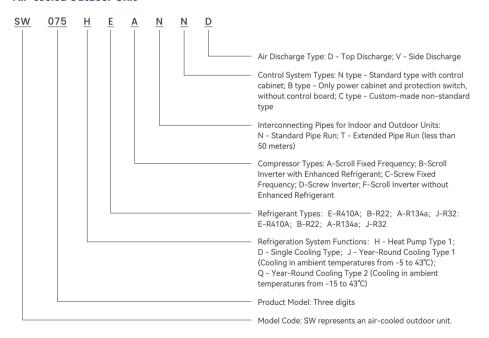
This unit adopts advanced domestic and international technology and manufacturing processes, and all components used are brand-name products. It features reliable quality, long range, low noise, ductless long-distance air delivery, and energysaving. It can be widely applied in various industrial fields such as machinery manufacturing, automobile manufacturing, rail transit, metallurgy and chemical industry, storage and logistics (such as granaries), electronics and electrical appliances, food and drugs, pharmaceutical cooling warehouses, as well as in civil fields like venues, supermarkets, movie theaters, water parks, sports stadiums, restaurants, and swimming pools.



>> Model Description



Air-cooled Outdoor Unit



>> Performance Parameters

Standard Chilled- Water Unit

Model FGZ		55	75	90	110				
Rated Air Volume	m³/h		5500	7500	9000	11000			
Cooling Capacity	kW		33.6	45.8	55	67.2			
Heating Capacity	y kW		56	74.6	91.4	102			
Water Flow Rate	m³	/h	5.8	7.9	9.5	11.6			
Power Supp	Power Supply			380V/3N	√~/50Hz)Hz			
Motor Power	k۱	N	2*0.55-4P	2*0.75-4P	2*1.1-4P	2*1.5-4P			
Filter Ne	Filter Net			Nylon net filter (standard), optional G3 panel filter					
Water Inlet/ Outlet	m	m	DN40	DN40	DN50	DN50			
Drainage Pipe	pe mm			DN	N25				
	L	mm	4100	5100	5100	5300			
Outline Dimensions	W	mm	950	950	950	1150			
	Н	mm	650	750	850	850			
Weight	k	g	340	450	540	590			

Note

- 1. Cooling condition: Indoor unit inlet and outlet water temperature $7/12^{\circ}$ C; incoming air dry and wet bulb temperature $27/19.5^{\circ}$ C:
- 2. Heating condition: Indoor unit water inlet temperature 60°C ; incoming air dry and wet bulb temperature 15°C ;
- 3. For environments with a high amount of grease purification, the filter is not suitable for use;
- 4. The coil is a standard product, and non-standard design is available for special occasions. Considering the higher outlet air temperature and energy saving, it is not recommended to use a design with 6 rows or more of heat exchange tubes;
- 5. Specifications and parameters are subject to change without notice due to product improvements.



>> Performance Parameters

Standard Air-Cooled Direct Expansion Unit (R410A)

	Model FGZ		55	65	100		
Cooling	Capacity	kW	28.4	33.6	56		
Heating	Capacity	kW	31	36	58		
Total Unit Power kW			10.6	13.4	21.2		
Indoor Unit	Rated Air Volume	m³/h	5500	6500	10000		
	Motor Power	kW	2*0.75-4P	2*0.75-4P	2*1.5-4P		
	Power S	Supply	380V/3N~50Hz				
	Filter	Net		Nylon net filter (standard)			
	Ejection	Range		25m			
		L (mm)	4100	5100	5300		
	Outline Dimensions	W (mm)	950	950	1250		
		H (mm)	650	750	850		
	Water Pipe	DN		25			
	Weight	kg	340	440	520		
	Outdoor unit m	odel * number	SW100*1	SW125*1	SW200*1		
	Refrig	erant	R410A				
	Compress	sor Type	Hermetic Scroll Compressor				
Outdoor Unit	Number of C	ompressors	2	2	2		
outdoor orme	Total Power	kW	9.1	11.9	17.1		
	Single Unit	L (mm)	1250	1870	1870		
_	Outline	W (mm)	900	900	1100		
	Dimensions	H (mm)	1720	1760	2030		
	Weight	kg	277.5	357.5	514*1		
	Connecting	g Method		Threaded Connection			
ndoor-Outdoor Unit Connection	Liquid Pipe Specification	mm	ф12.7*2	ф12.7*2	ф15.88*2		
	Air Duct Specification	mm	ф19.05*2	ф19.05*2	ф28.6*2		

Note:

P:75

- 1. Cooling condition: Indoor unit incoming air dry and wet bulb temperature 27/19.5°C; Outdoor unit incoming air dry and wet bulb temperature 35/28°C;
- 2. Heating condition: Indoor unit incoming air dry bulb temperature 15°C; Outdoor unit incoming air dry and wet bulb temperature 7/6°C;
- 3. For environments with extensive grease purification, the use of filters is not recommended;
- 4. The data in the table above is based on testing with an indoor and outdoor connection pipe length of 7.5 meters. In actual use, the length of the indoor and outdoor unit connection pipes should be less than 30 meters, and the vertical height difference should be less than 15 meters. If the requirements are exceeded, products with long connection pipe configurations should be selected. For specific details, please contact our company for non-standard customization;
- 5. Specifications and parameters are subject to change without notice due to product improvements.

>> Performance Parameters

Temperature Usage Range for Specialized Air Conditioning in Medical Cold Storage

Temp.	Nominal Coolin	Operating Range		
Item	Indoor Dry/ Wet Bulb Temp.	Outdoor Temp.	Indoor Temp.	Outdoor Temp.
Sing Cooling	18/14℃	35℃	14-20°C	5-45°C
Heat Pump	18/14℃	35℃	0-20°C	5-45°C
Chilled-Water Unit	18/14℃	7/12°C (Water Inlet/ Outlet)	14-20°C	

Specialized Chiller for Medical Cold Storage

Z		55	75	90	110			
m ³	³/h	5500	7500	9000	11000			
k\	W	16.8	22	26.5	32			
k\	W	56	74.6	91.4	102			
Water Flow Rate m³/h		2.9	3.8	4.6	5.5			
Power Supply			380V/3N	I ~ /50Hz				
k\	W	2*0.75	2*1.1	2*1.1-4P	2*1.5-4P			
Filter Net		Nylon Net Filter (Standard), Optional G3 Panel Filter						
m	ım	DN40	DN40	DN40	DN40			
ater Drainage mm			DN25					
L	mm	4100	4400	4700	4900			
W	mm	850	950	950	1050			
н	mm	650	750	750	750			
k	g	440	550	640	690			
	mi k' k' mi ly k' mi ly k'	m³/h kW kW m³/h bly kW mm mm L mm	m³/h 5500 kW 16.8 kW 56 m³/h 2.9 bly kW 2*0.75 mm DN40 mm L mm 4100 W mm 850 H mm 650	m³/h 5500 7500 kW 16.8 22 kW 56 74.6 m³/h 2.9 3.8 sby 380V/3N kW 2*0.75 2*1.1 Nylon Net Filter (Standard), 0 0 mm DN40 DN40 mm 4100 4400 W mm 850 950 H mm 650 750	m³/h 5500 7500 9000 kW 16.8 22 26.5 kW 56 74.6 91.4 m³/h 2.9 3.8 4.6 sby 380V/3N ~ /50Hz kW 2*0.75 2*1.1 2*1.1-4P Nylon Net Filter (Standard), Optional G3 Panel Filter mm DN40 DN40 DN40 mm 4100 4400 4700 W mm 850 950 950 H mm 650 750 750			

- 1. Cooling condition: Indoor unit water inlet and outlet temperature 7/12°C; incoming air dry and wet bulb temperature
- 2. Heating condition: Indoor unit water inlet temperature 60°C; incoming air dry and wet bulb temperature 15°C;
- 3. For environments with extensive grease purification, the use of filters is not recommended;
- 4. The 6-row tube design is the standard product, and non-standard design is available for special occasions;
- 5. Specifications and parameters are subject to change without notice due to product improvements.

>> Performance Parameters

Cool Storage-Specific Air-Cooled Direct Expansion Unit (R410A)

	Model FGZ		65	75	130
Cooling C	Capacity	kW	26	31.2	52
Heating C	Capacity	kW	28	34	54
Total Unit	t Power	kW	10.95	14.1	21.2
	Rated Air Volume	m³/h	6500	7500	13000
Indoor Unit	Motor Power	kW	2*1.1	2*1.1-4P	2*1.5-4P
	Power S	Supply		380V/3N~50Hz	
	Filter	Net		尼龙功率网(标配)	
	Ejection	Range		25米	
		L (mm)	3900	4400	4900
	Outline Dimensions	W (mm)	850	950	1250
		H (mm)	700	750	850
	Water Pipe	DN	DN25		
	Weight	kg	440	520	680
	Outdoor unit m	odel * number	SW100*1	SW125*1	SW200*1
	Refrige	erant	R410A		
	Compress	or Type	全封闭涡旋压缩机		
	Number of Co	ompressors	2	2	2
Outdoor Unit	Total Power	kW	9.1	11.9	17.1
Outdoor Offic	Circula Hait	L (mm)	1250	1870	1870
	Single Unit Outline Dimensions	W (mm)	900	900	1100
		H (mm)	1720	1760	2030
	Weight	kg	277.5	357.5	514*1
	Connecting	g Method	螺纹接口		
Indoor-Outdoor Unit Connection	Liquid Pipe Specification	mm	ф12.7*2	ф12.7*2	ф15.88*2
	Air Duct Specification	mm	ф19.05*2	ф19.05*2	ф28.6*2

Note:















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^{1.} Cooling condition: Indoor unit incoming air dry and wet bulb temperature 18/14°C; Outdoor unit incoming air dry and wet bulb temperature 35/28°C.

^{2.} Heating condition: Indoor unit incoming air dry bulb temperature 15°C; Outdoor unit incoming air dry and wet bulb temperature 7/6°C;

^{3.} For environments with extensive grease purification, the use of filters is not recommended;

^{4.} The data in the table above is based on testing with an indoor and outdoor connection pipe length of 7.5 meters. In actual use, the length of the indoor and outdoor unit connection pipes should be less than 30 meters, and the vertical height difference should be less than 15 meters. If the requirements are exceeded, products with long connection pipe configurations should be selected. For specific details, please contact our company for non-standard customization;

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