

Big Duct Type Unit

High Capacity Series

It is a kind of split system that can be connected with air duct to realize cooling/heating in subdivided area.



*: If the capacity of outdoor unit is 40kW, two outdoor units are needed for the operation of one indoor unit.

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Intelligent defrosting
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Compact design
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Anti-cold function
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Comprehensive protection
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Easier maintainability
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Self-diagnosis
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Wide operation range





- All Dc inverter for high efficiency and energy saving.
- High static units for longer ducted runs.
- ESP reach up to 250Pa high.
- Static pressure is adjustable.
- Intelligent filter cleaning reminding function is available.
- Indoor fan can be adjusted according to the static pressure of air duct installed by customers.

Item	Nominal operating condition (temperature)				Operating range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (C)	WB (C)	DB (C)	WB (C)	DB (C)
Cooling	35	24	27	19	-7~48
Heating	7	6	20	15	-15~24

Specifications

Model	Heat pump		FGR20Pd/DNa-X	FGR25Pd/DNa-X	FGR30Pd/DNa-X	FGR40Pd/D(2)Na-X				
Capacity	Cooling	kW	20	25	30	40				
		Btu/h	68240	85300	102360	136480				
	Heating	kW	22	27.5	33	43				
		Btu/h	75064	93830	112596	146716				
EER/COP	W/W	2.56/3.14	2.66/3.09	2.65/3.08	2.58/3.09					
Power supply	V/Ph/Hz	380~415/3/50/60				380~415/3/50/60				
Power input	Cooling	kW	7.8	9.4	11.3	15.5				
	Heating	kW	7.0	8.9	10.7	13.9				
Current input	Cooling	A	16.5	18.9	22.7	27.8				
	Heating	A	15.6	17.2	20.7	26.4				
Refrigerant charge volume	kg	6.4				8.0	9.5	6.4x2		
Indoor unit	Air flow volume	CFM	2177				2472	3060	4120	
		m³/h	3700				4200	5200	7000	
	ESP	Rated	Pa	120				120	120	
		Range	Pa	0-250				0-250	0-250	
	Sound pressure level	dB (A)	52				53	55	56	
	Dimension (W×D×H)	Outline	mm	1460×790×365				1690×870×440	1690×870×440	1680×900×650
Package		mm	1578×883×472				1788×988×580	1788×988×580	1893×1123×850	
Net weight /Gross weight	kg	82/104				99/134	105/145	165/210		
Outdoor unit	Sound pressure level	dB (A)	62				63	65	62	
	Dimension (W×D×H)	Outline	mm	940×320×1430				940×460×1615	940×460×1615	(940×320×1430)x2
		Package	mm	1033×433×1580				1033×573×1765	1033×573×1765	(1033×433×1580)x2
	Net weight /Gross weight	kg	120/130				146/162	175/190	(120/130)x2	
Connection pipe	Outer diameter	Liquid	inch/mm)	Φ3/8(9.52)				Φ3/8(9.52)	Φ1/2(12.7)	Φ3/8(9.52)x2
		Gas	inch/mm)	Φ3/4(19.05)				Φ7/8(22.2)	Φ1(25.4)	Φ3/4(19.05)x2
	Max. distance	Height	m	30				30	30	30
		Length	m	50				50	50	50
Loading quantity	20GP	set	18				12	12	6	
	40GP40HQ	set	39/43				28/28	28/28	14/14	

Control System Lineup

Controlling system	Model	Outlook	Duct Split Unit	
Wired Controller	XK46		●	
	XK79		○	
Wireless Remote Controller	YAP1F		○	
Other modules	USB Data Converter	ME4000B		○

Note: ● means standard, ○ means optional. Smart zone controller should be chosen with wired remote controller at the same time.

