

Performance data and Outdoor unit specification

Model		GRS-CQ10Pd/NaD-K	
Code		ER01001220	
Capacity ¹	Heating (floor heating)	kW	9.20
	Cooling (floor cooling)	kW	9.70
Power Input ¹	Heating (floor heating)	kW	2.19
	Cooling (floor cooling)	kW	2.46
EER ¹	Cooling (floor cooling)	-	3.94
COP ¹	Heating (floor heating)	-	4.20
Capacity ²	Heating (Fan coil or Radiator)	kW	9.00
	Cooling (for Fan coil)	kW	6.90
Power Input ²	Heating (Fan coil or Radiator)	kW	2.65
	Cooling (for Fan coil)	kW	2.94
EER ²	Cooling (for Fan coil)	-	2.95
COP ²	Heating (Fan coil or Radiator)	-	3.40
Power Supply	V/Ph/Hz	-	220-240/1/50
Rated input	Cooling	Kw	2.70
	Heating	Kw	3.6
Rated current	Cooling	A	13.80
	Heating	A	16.40
Compressor	Brand	-	-
	Type	-	Inverter Rotary
	Model	-	QXAT-D20zN040
	Compressor Power Input	W	2300~60Hz
Fan	Quantity	-	1
	Type	-	Propeller
	Air flow volume	CFM	2066.812
	Quantity	-	1
Fan Motor	Model	-	SWZ150A
	Motor Insulation Class	-	E
	Motor Safe Class	-	IP44
	Output	W	150
Refrigerant	Type	-	R410A
	Charge	kg	3.5
	Control	-	Electronic Expansion Valve
Heat exchanger	Quantity	-	1
	Type	-	Aluminum Fin-copper Tube
	Rows	-	3
	Columns	-	6
FPI		Fins/inch	16
Sanitary water Temperature		°C	40~80
Sound Pressure Level	cooling	dB(A)	53
	heating	dB(A)	54
Connecting pipe (refrigerant)	Gas	mm(inch)	
	Liquid	mm(inch)	
Connection method		-	Flare Connection
Dimensions	Outline (HxWxD)	mm	980.0x788x427
	Packaged (HxWxD)	mm	1097x477x662
Weight	Net	kg	85
	Gross	kg	87

1 Capacities and power inputs are based on the following conditions:

①. Cooling conditions –
Indoor Water Temperature 23°C/18°C;
Outdoor Air Temperature 35°CDB/24°CWB

②. Heating conditions
Indoor Water Temperature 30°C/35°C
Outdoor Air Temperature 7°CDB/6°CWB

③. Standard piping length 7.5m

2 Capacities and power inputs are based on the following conditions:

①. Cooling conditions
Indoor Water Temperature 12°C/7°C;
Outdoor Air Temperature 35°CDB/24°CWB

②. Heating conditions –
Indoor Water Temperature 40°C/45°C;
Outdoor Air Temperature 7°CDB/6°CWB

③. Standard piping length 7.5m

Operation range

Nominal Operating Condition	Outdoor temp. (DB)	Cooling	°C	35
		Heating	°C	7
	Outdoor temp. (WB)	Water heating	°C	7
		Cooling	°C	95
Operating Range	Outdoor temp. (DB)	Heating	°C	6
		Water heating	°C	6
	Outdoor temp. (WB)	Cooling	°C	10~48
		Heating	°C	-20~35
Water heating	°C	-20~45		

INDOOR UNIT

Model		GRS-CQ10Pd/NaD-K<1>		
Code		ER010N1220		
Nominal input (indoor only)		6.2		
Connecting pipe (refrigerant)	Gas	mm(inch)		
	Liquid	mm(inch)		
Connecting pipe (water)	Water inlet	mm(inch)		
	Water outlet	mm(inch)		
Safety valve		Bar	/	
Outflow water temp.	Cooling (Fan coil unit)	°C	7	
	Cooling (Floor cooling)	°C	18	
	Heating (Fan coil unit)	°C	45	
	Heating (Floor heating)	°C	35	
Main components	pump	Type	-	Water-cooled
		Nr. of speed	-	variable-speed
		Power input	W	105
	Expansion Vessel	Water flow limit	LPM	12
		Volume	Liter	10
		Water Pressure(Max)	Bar	3
	Electric Heater	Water Pressure(Pre)	Bar	1
		Type	-	Sheath
		Material	-	Stainless Steel
		Operation	-	Automatic
		Steps	-	2
	Heat Exchanger	Capacity	kW	6
		Combination	kW	3+3
		Power input	kW	6
Type		-	Brazed Plate HEX	
Quantity		-	/	
Sound Pressure Level (cooling mode)		dB(A)	31	
Sound Pressure Level (heating mode)		dB(A)	31	
Dimensions	Outline (HxWxD)	mm	981x324x500	
	Packaged (HxWxD)	mm	608x1043x395	
Weight	Net	kg	56	
	Gross	kg	65	