

PGB-250W/SN1



Model		PGB-250W/SN1	
Cooling Capacity		kW	250
Heating Capacity		kW	270
Power input	Cooling	kW	78.3
	Cooling rated current	A	141.9
	Heating	kW	80
	Heating rated current	A	146
Power supply		V/Ph/Hz	380-400/3/50
Power supply	Manual switch	A	450
	Fuse	A	300
Max. input consumption		kW	104.9
Max. running current		A	200
Max. starting current		A	344
Compressor	Type		Scroll (fixed speed)
	Brand		Danfoss
	Model		SH120A4ALC
	Quantity	Pieces	8
	Capacity	kW	32.6
	Input	kW	10.3
	Rate current(RLA)	A	20.7
	Locked rotor Amp(LRA)	A	142
	Refrigerant oil	ml	3300
Refrigerant	Type		R410A
	Refrigerant control		EXV+ capillary
	Weight	kg	15x4
Condenser (Air side)	Type		Fin-coil
	Number of rows		3
	Fan motor model		YDK550-6E
	Quantity of fan motor	Pieces	8
	Air flow	x10 ³ m ³ /h	96
	Fan motor rated current	A	1.8x8
	Fan motor input	kW	0.7x8
Evaporator (Water side)	Type		Shell-tube
	Water pressure drop	kPa	40
	Volume	L	131
	Water inlet/outlet pipeline inside normal diameter	mm	DN100
	Water flow volume	m ³ /h	43
	Max. Pressure	MPa	1
	Water pipe connection type		Flexible joint
Dimension	Net(DxHxW)	mm	3800x2130x2000
	Packing size(DxHxW)	mm	3900x2200x2100
Weight	Net weight	kg	2450
	Operation weight	kg	2600
Connection wire	Power wire	mm ²	150x4+70x1
	Signal wire	mm ²	0.75x3-core with shielding

Control type		Wired controller
Safety protection device		1) Protection for over-high discharge pressure. 2) Protection for over-low suction pressure. 3) Power supply phase sequence protection. 4) Anti-freezing protection in cooling mode. 5) Anti-freezing protection in Winter. 6) Protection for compressor over current. 7) Protection for compressor overload. 8) Outlet and inlet water temperature difference protection. 9) Compressor discharge temperature protection. 10) Water flow cut-off protection. 11) Sensor malfunction protection. 12) Low ambient temperature drive-up protection 13) Low-temperature protection of shell and tube heat exchanger.
Noise level	dB(A)	74
Operation water temp	°C	Cooling: 0~17 (Less than 5°C must add antifreeze) Heating: 22~50
Ambient temp	°C	Cooling: -10~46 Heating: -10~21

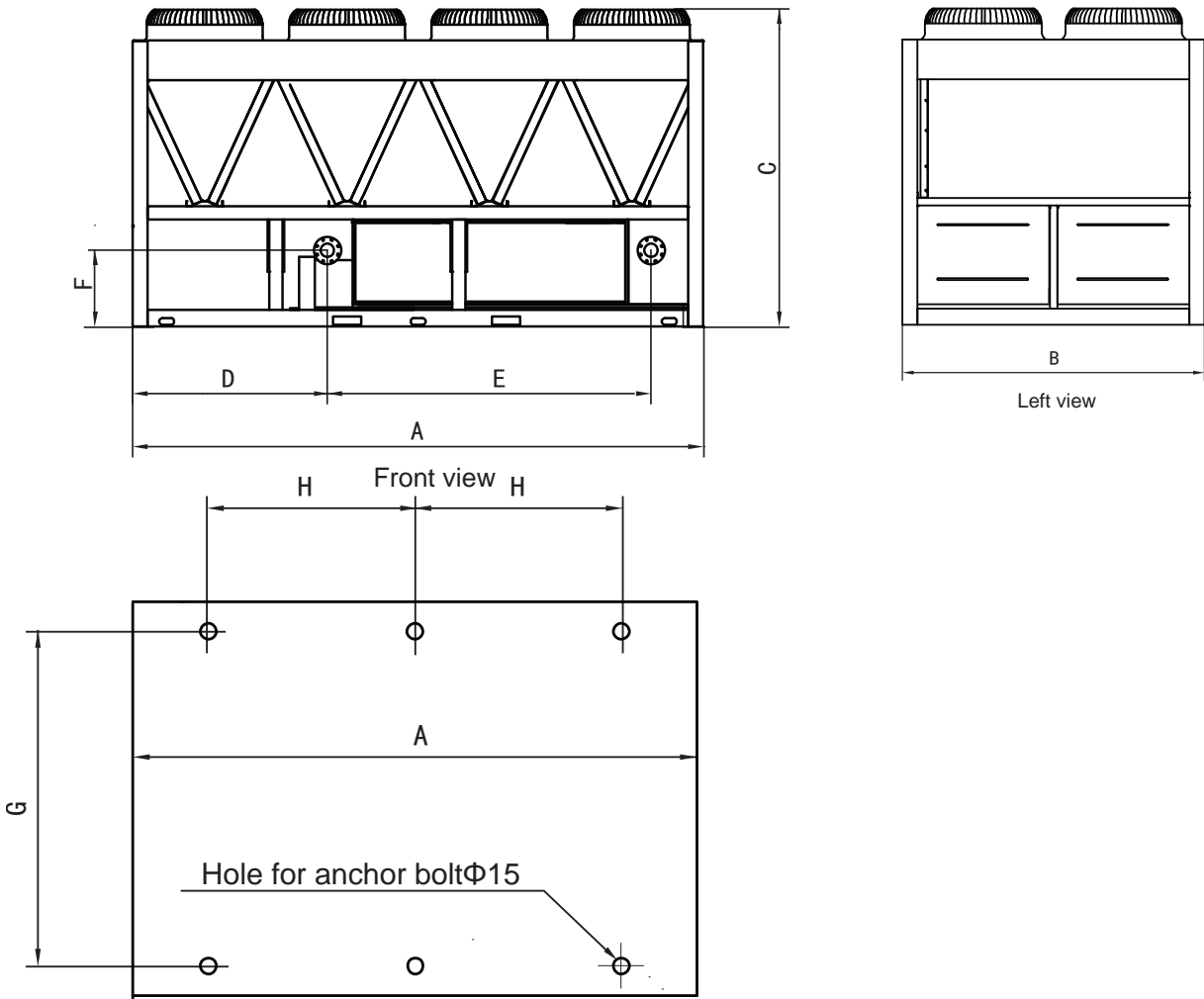
Note:

Please refer to the water flow in the above table strictly to design and install.

All the above data is measured base on the following working condition:

- Cooling mode: water side fouling factor: $0.086\text{m}^2 \cdot \text{°C}/\text{kW}$, chilled water inlet/outlet: $12\text{°C} / 7\text{°C}$, and outdoor ambient temp. 35°C DB.
- Heating mode: water side fouling factor: $0.086\text{m}^2 \cdot \text{°C}/\text{kW}$, warm water inlet/outlet: $40\text{°C} / 45\text{°C}$, and outdoor ambient temp. 7°C DB/ 6°C WB.

250kW module



Bottom view

Model	unit	A	B	C	D	E	F	G	H
PGB-F250W/SN1	Mm	3800	2000	2130	1235	2156	573	1888	1551
	inch	149.6	78.74	83.86	48.62	84.88	22.56	74.33	61.06

No.	Name
1	Top cover
2	Compressor
3	Evaporator
4	Water outlet
5	Electric control box
6	Water inlet
7	Condenser
8	Transportation guard plate (Be removed off after installation)

