

Air Cooled Modular Chiller

Climatcool U.S.A.
Hi-Tech Airconditioning



25Kw-30Kw



60Kw



120Kw



180Kw



250Kw

Features

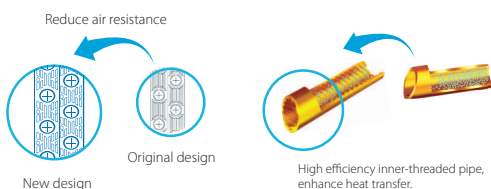
Wide Application Range >>

- ▶ The cooling capacity ranging from 25Kw to 250Kw and combination model's maximum capacity up to 2000Kw.



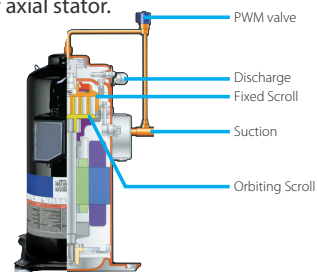
High performance Heat Exchanger >>

- ▶ New designed window fins enlarge the heat-exchanging area, decrease the air resistance, save more power & enhance heat exchange performance.



Advance Technology >>

- ▶ The digital scroll compressor utilize axial complaint sealing technology to precisely adjust the axial motion range of the stator scroll pan and there is an additional connecting by-pass between the suction inlet and pressure bore at the floating sealing point of axial stator.



- ▶ Provides 10% - 100% stepless capacity output to precisely control room temp.
- ▶ Less electromagnetic interference, no EMC problem.

Air Cooled Modular Chiller



Specification

Model			SMGBT-F25W/RN1	SMGBT-D25W/RN1	SMGBT-F30W/RN1	SMGBT-D30W/RN1
Power Supply			V/Ph/ Hz 380-415/3/50			
Capacity	Cooling (T1/T3)	Kw	28.0/24.9	28.0/24.9	30.0/25.8	30.0/25.8
	Heating	Kw	29.5	29.5	32	32
Power Input	Cooling (T1/T3)	Kw	9.3/11.16	9.3/11.6	10.0/12.0	10.0/12.0
	Heating	Kw	9.2	9.2	9.8	9.8
T1 EER/COP			3.01/3.21	3.01/3.21	3.00/3.27	3.00/3.27
Refrigerant Type			R-410a			
Compressor	Type*		F	D+F	F	D+F
	Qty.	Pcs.	2	1+1	2	1+1
Water Side Heat Exchange	Type	Double Pipe Heat Exchanger				
	Water Flow	m ³ /h	4.8	4.8	5.2	5.2
	Pressure Drop	Kpa	60	60	60	60
	Connection Pipe		DN40			
Air Side Heat Exchanger	Type	Fin-Coil Heat Exchanger				
	Fan Type/ Qty.		Axial / 1			
	Air Flow	m ³ /h	12000			
	Fan Motor Input	Kw	0.4			
Others	Noise Level	dB (A)	65			
	Net Dimension (WxHxD)	mm	1514x1865x841			
	Packaging (WxHxD)	mm	1590x2065x995			
	Net/ Operation Weight	Kg	380/420			
	Loading Qty.(20'/40HQ)	Pcs.	6/14			

Model			SMGBT-F60W/RN1	SMGBT-D60W/RN1	SMGBT-F120W/RN1	SMGBT-F180W/RN1	SMGBT-F250W/RN1
Power Supply			V/Ph/ Hz 380-415/3/50				
Capacity	Cooling (T1/T3)	Kw	60.0/51.6	60.0/51.6	120.0/103.2	180.0/155.8	250.0/216.0
	Heating	Kw	64	65	128	195	270
Power Input	Cooling (T1/T3)	Kw	19.3/23.16	19.4/23.28	38.5/46.2	57.9/58.5	78.3/86.3
	Heating	Kw	19.8	20.4	41.5	59.4	80
T1 EER/COP			3.11/3.23	3.09/3.19	3.12/3.08	3.11/3.28	3.19/3.38
Refrigerant Type			R-410a				
Compressor	Type*		F	D+F	F	F	D+F
	Qty.	Pcs.	2	1+2	4	6	6
Water Side Heat Exchange	Type	Shell and Tube Heta Exchanger					
	Water Flow	m ³ /h	10.3	10.3	22.4	31	43
	Pressure Drop	Kpa	15	15	25	30	40
	Connection Pipe		DN100	DN100	DN65	DN80	DN100
Air Side Heat Exchanger	Type	Fin-Coil Heat Exchanger					
	Fan Type/ Qty.		Axial / 2	Axial / 2	Axial / 4	Axial / 6	Axial / 8
	Air Flow	m ³ /h	24000	24000	48000	72000	96000
	Fan Motor Input	Kw	0.7x2	0.55x2	0.7x4	0.7x6	0.7x8
Others	Noise Level	dB (A)	65	67	70	74	74
	Net Dimension (WxHxD)	mm	2000x1880x900	2000x1880x900	2000x2090x1685	2850x2110x2000	2850x2110x2000
	Packaging (WxHxD)	mm	2090x2055x985	2090x2055x985	2090x2240x1755	2980x2260x2135	2980x2260x2135
	Net/ Operation Weight	Kg	580/650	600/670	1150/1270	1730/2000	2450/2600
	Loading Qty.(20'/40HQ)	Pcs.	5/11	5/11	3/6	1/3	1/3

Note:

- The Above design and specification are subject to change without prior notice.
- Cooling conditions; T1: Indoor air temp. 27°C DB/19°C WB, Outdoor air temp. 35°C Db.
T3: Indoor air temp.27°C DB/19°C WB, Outdoor air temp. 46°C Db.