



# Water Tank

## Cooling and Heating system



# Parameter

Model		1.5 Ton	2 Ton	3 Ton	5 Ton
		MG-KS5.5	MG-KS-7	Mg-KS-10	MG-KS-13
Tank Capacity- Gallon		500-800	800-1200	1200-1500	1500-2500
Power Input	KW	1.34	1.84	2.59	3.13
Nominal Cooling Capacity	KW	5.5	7.5	10.55	17.2
	BTU	18000	24000	36000	60000
Power Supply	V/P/Hz	220-240V/1/50			380-415/3/50
Current	A	6.4	8.8	12.4	14.5
Fan Motor Power	W	30W	45W	50W	65W
Noise	dB	48	48	48	52
Gross Weight	Kg	58	63	65	120
Water Flow	M3/H	0.25	0.3	0.5	0.7
Water Pipe Size	Internal Thread	DN20	DN20	DN20	DN20
Unit Size ( L*W*H )	mm	934*283*550	934*283*550	1259*419*725	710*710*925
Compressor		GMCC T3	GMCC T3	GMCC T3	Copeland Scroll
Condenser		High Efficiency Shell and Tube Heat Exchanger Copper Tube			High Efficient Tank Heat Exchanger
Evaporator		Hydrophilic Aluminium Foil and Internal Thread Copper Pipe Heat Exchanger			Blue Finned Heat Exchanger
Refrigerant		R-410A			
Water Pump		Bulit-in, Stainless Steel Body			
4-Way Valve		SanHua Brand 4-Way Valve			
Throttle Valve		Danfoss Electronic Expansion Valve			
Controller		LCD Wire Controller			
Temperature		Temperature (-15°C -- 50°C)			
Maximum Water Temp.		45~55 °C for Heating, 7-12 °C for Cooling			
Working Mode		Cooling & Heating			

# Parameter

Model		10 Ton	15 Ton	20 Ton
		MG-100KFXLN	MG-150KFXLN	MG-200KFXLN
Nominal Tank Capacity- Gallon		4500-5000	7000-7500	9000-10000
Heating Capacity	KW	29.5	42.6	59
Input Power	KW	9.07	12.91	17.84
Current	A	17.2	24.5	33.9
COP		3.25	3.3	3.31
Maximum Water Temp	°C	45-55 °C for Heating		
Cooling Capacity	KW	26.6	38.4	53.1
Input Power	KW	9.17	13.06	18.04
Current	A	17.4	24.8	34.3
EER		2.9	2.94	2.95
Max Water Temp	°C	7-12 °C for Cooling		
Voltage	V/Hz/P	380-415V/50Hz/3P	380-415V/50Hz/3P	380-415V/50Hz/3P
Water Flow	M3/H	7.7	11.2	15.5
Water Pressure Drop	kPa	≤60	≤70	≤75
Water Pipe Size		DN40	DN40	DN50
Unit Size ( L*W*H )	mm	1450*740*1150	1507*857*1611	1850*1000*1950
Weight (N./W.)	KG	280/300	372/395	560/588
Noise	dB	≤64	≤66	≤68
Compressor(Copeland Scroll)		ZW61KAE*2	ZW79KAE*2	ZW108KAE*2
Condenser (Tank HE)		155HD-065*2	Tube-in Shell heat exchanger	
Evaporator		Blue Finned Heat Exchanger		
Water Pump		Bulit-in, Stainless Steel Body		
4-way valve		SanHua Brand 4-way valve		
Throttle unit		Danfoss electronic expansion valve		
Controller		LCD wire controller		
Ambient Temperature		(-7°C -- 50°C)		
Working Mode		Cooling & Heating		