

Startup Record - ATW-Series Two-Stage R410a

Installation Site		Startup Date	Installer	
City			Company	
Province		Check boxes unless asked to record data. Circle data units.	Model	
Country			Serial #	
Homeowner Name		Homeowner Phone #		

PRE-START INSPECTION

Outdoor Unit	Unit is securely mounted at least 8" from building, fans facing out					
	Fan outlet is clear of obstructions					
Line Set	Line set length, extra charge added (only if needed)		ft.	m	lb	kg
	System is pressure tested, vacuumed					
	All inter-connect piping is insulated and properly supported					
	Wiring is neat and securely fastened					
	Service valves are open and caps installed with torque wrench					
Indoor Loop (Hydronic)	All shut-off valves are open (full flow available)					
	Loop is full and purged of air					
	Antifreeze type					
	Antifreeze concentration		% Volume	% Weight		
	Loop static pressure		psi	kPa		
Domestic Hot Water	All shut-off valves are open					
	Lines are full and purged					
	Desuperheater pump wire is disconnected					
Electrical	High voltage connections are correct and securely fastened					
	Circuit breaker (or fuse) size and wire gauge for heat pump		A	Ga.		
	Circulator pump voltages (Indoor 1, Indoor 2)		V	V	V	V
	Low voltage connections are correct and securely fastened					

STARTUP DATA

Preparation	Voltage across L1 and L2, L1 and L3, L2 and L3					VAC	
Heating Mode (10 minutes)	Suction Pressure / Discharge Pressure			psig	kPa		
	Indoor In (Hot In), Indoor Out (Hot Out), and Delta T		In	Out	°F	°C	
	Outdoor Air Temperature		°F	°C			
	Compressor L1 (black wire) current		A				
	Heating setpoint and discharge pressure at cycle end		°F	°C	psig	kPa	
	Domestic Hot Water functioning						
Cooling Mode (10 minutes)	Suction Pressure / Discharge Pressure			psig	kPa		
	Indoor In (Hot In), Indoor Out (Hot Out), and Delta T		In	Out	°F	°C	
	Outdoor Air Temperature		°F	°C			
	Cooling setpoint and suction pressure at cycle end		°F	°C	psig	kPa	
Final Setpoints	Heating S1 Setpoint, S1 Delta, S2 Setpoint, S2 Delta			°F	°C		
	Heating S3 Setpoint, S3 Delta, S3 Time Delay		°F	°C	min		
	Cooling S1 Setpoint, S1 Delta, S2 Setpoint, S2 Delta			°F	°C		

Date:		Startup Personnel Signature:	Witness/Site Signature:
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A total of three copies are required, one for the site, one for the installer/startup and one to be sent to Maritime Geothermal Ltd.