

Startup Record - EMW-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 #	
Customer Name		Customer Phone #		

PRE-START INSPECTION

Indoor and Zone Loops (Hydronic)	All shut-off valve are open (full flow available)							
	Loop is full and purged of air							
	Antifreeze type							
	Antifreeze concentration			% Volume	% Weight			
	Loop static pressure			PSI	kPa			
Ground Loop System	All shut-off valve are open (full flow available)							
	Loop is full and purged of air							
	Antifreeze type							
	Antifreeze concentration			% Volume	% Weight			
	Loop static pressure			PSI	kPa			
Ground Water System	Water Valve installed in return line							
	Flow control installed in return line							
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 (Outdoor 1, Outdoor 2)			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
	Green Light is ON						
Heating Mode (10 minutes)	Suction Pressure / Discharge Pressure					psig	kPa
	Outdoor In (Supply In), Outdoor Out (Supply Out), and Delta T		In		Out		°F °C
	Outdoor Flow		lgpm		USgpm		L/s
	Compressor L1 (black wire) current		A				
	Heating aquastat setpoint and discharge pressure at cycle end		°F	°C			psig kPa
	Domestic Hot Water functioning?						
	Yellow light is ON. Electric element L1 current draw			A			
Cooling Mode (10 minutes) (HACW only)	Suction Pressure / Discharge Pressure					psig	kPa
	Outdoor In (Supply In), Outdoor Out (Supply Out), and Delta T		In		Out		°F °C
	Cooling aquastat setpoint and suction pressure at cycle end		°F	°C			psig kPa
Final Aquastat Settings	Heating S1 Setpoint, S1 Delta, S2 Setpoint, S2 Delta					°F	°C
	Cooling S1 Setpoint, S1 Delta, S2 Setpoint, S2 Delta					°F	°C

Date:		Installer Signature:		Homeowner Signature:	
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A total of three copies are required: one for the homeowner, one for the installer, and one to be sent to Maritime Geothermal Ltd.