

## Startup Record Sheet - W-Series Size 12-80

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

<b>Indoor Loop (Hydronic)</b>	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		
<b>Ground Loop System</b>	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		
<b>Ground Water System</b>	Water valve installed in return line					
	Flow control installed in return line					
<b>Domestic Hot Water</b>	All shut-off valves are open					
	Lines are full and purged					
	Desuperheater pump wire is disconnected					
<b>Electrical</b>	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, Indoor 1)		V		V	V
	Low voltage connections are correct and securely fastened					

### STARTUP DATA

<b>Preparation</b>	Voltage across L1 and L2, L1 and L3, L2 and L3					VA C	
<b>Heating Mode (10 minutes)</b>	Suction Pressure / Discharge Pressure				psig	kPa	
	Indoor In (Hot In), Indoor Out (Hot Out), and Delta T	In		Out	°F	°C	
	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						
<b>Cooling Mode (10 minutes)</b>	Suction Pressure / Discharge Pressure				psig	kPa	
	Indoor In (Hot In), Indoor Out (Hot Out), and Delta T	In		Out	°F	°C	
	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	
<b>Final Aquastat Settings</b>	Heating S1 Setpoint, S1 Delta, S2 Setpoint, S2 Delta				°F	°C	
	Cooling S1 Setpoint, S1 Delta, S2 Setpoint, S2 Delta				°F	°C	

<b>Date:</b>		<b>Startup Personnel Signature:</b>		<b>Witness/Site Signature:</b>	
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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.