

Member/Customer Name							
Memb	er/Customer Address						
Make	<e #="" #<="" model="" serial="" td=""><td>:</td><td></td></e>		:				
Contractor Name			Servi	ce Date	Auxi	Auxiliary Resistance (kW)	
Check Off If Done	If any item cannot be checked temperature/pressure Pete's	item cannot be checked or recorded, please provide an explanation. (For example, "No erature/pressure Pete's plugs in loop piping.")					
	Check air filter and change if required.						
	Check relays and contactors and for loose electrical connections.						
	Calibrate thermostats.						
	Clean Indoor coil.						
	Check drain pan and trap for blockage or leaks. Flush the condensate drain.						
	Check blower assembly for proper operation, or damage, and lubricate as required.						
	Check static air pressure and record.					in. WC	
	Check air supply temperature in heating mode and record. Calculate supply – return temperature difference.			°F	Sup-Ret Δ °F		
	Check air return temperature in heating mode and record. Compare temperature difference to manufacturer specifications.			°F	Mfg. Spec. Δ °F		
	Check air supply temperature in cooling mode and record. Calculate supply – return <sup>°</sup> F temperature difference.			Sup-Ret Δ °F			
	Check air return temperature in cooling mode and record. Compare temperature difference to manufacturer specifications.		°F	Mfg. Spec. Δ °F			
	Compare static pressure and temperatures to manufacturer specifications and adjust blower speed settings if required and record final pressure and temperatures.					equired and record final	
	Check water pump for proper operation, or damage, and lubricate as required.						
	Measure water pump volts and record.	Compare to manufacturer specifications	s.		Volts	Mfg. Spec. Volts	
	Measure water pump amps and record.	Compare to manufacturer specification	15.		Amps	Mfg. Spec. Amps	
	Clean water strainer.						
	If open loop and economically available, record dynamic water level of production well and record.					ft.	
	If open loop and economically available, record dynamic water level of injection well and record.					ft.	
	If open loop and economically available, record static water level of production well and record.					ft.	
	If open loop and economically available, record return pressure to injection well and record.			ft.			

## Geothermal Heat Pump with Electric Back-Up - Check List

Check loop water pressure in and record.	psi			
Check loop water pressure out and record.	psi			
Calculate loop water flow rate and record. Compare to manufacturer specifications.	GPM	Mfg. Spec. GPM		
Check loop supply temperature in heating mode and record.	۴			
Check loop return temperature in heating mode and record.	°F			
Calculate the heat of extraction and record. Compare to manufacturer specifications.	Btu/hr	Mfg. Spec. Btu/hr		
Check loop supply temperature in cooling mode and record.	۴			
Check loop return temperature in cooling mode and record.	۴			
Calculate the heat of rejection. Compare to manufacturer specifications.	Btu/hr	Mfg. Spec. Btu/hr		
If air or water temperature deltas are not per manufacturer specifications, measure refrigerant levels and charge as required. Reche and record temperatures if charged.				
If closed loop, check water loop PH, antifreeze, and corrosion inhibitor. Correct if necessary.				
If closed loop, repressurize water loop to manufacturer specifications.				
Measure compressor volts and record. Compare to manufacturer specifications.	Volts	Mfg. Spec. Volts		
Measure compressor amps and record. Compare to manufacturer specifications.	Amps	Mfg. Spec. Amps		
If desuperheater, check supply temperature and record.	۴			
If desuperheater, check return temperature and record.	۴			
Check back-up resistance heat staging.				
Check air supply temperature in back-up heating mode and record. Calculate supply – return temperature difference.	۴	Supply-Return ∆ °F		
Check air return temperature in in back-up heating mode and record. Compare temperature difference to manufacturer specifications.	۴	Mfg. Spec. Δ °F		
Check and record cut-out or switch over temperature if applicable.	۴			
If humidifier, clean, check control and adjust as required.				