Geothermal Heat Pumps

Unit Start-Up Checklist

Remove from literature packet and place in customer file at dealership after completion.
NOTE: Read the entire installation instruction manual before starting the installation and start–up procedure.

Date:_____

Customer Name: _____

Address: _____

_____

City, State, Zip _____

Phone: _____

Start–Up Technician Name: _____

Unit Nameplate Data

Model #: _____ Serial #: _____

Refrigerant Charge (oz): _____

Compressor RLA: _____ LRA: _____

Blower Motor FLA (Or NPA): _____ HP: _____

Maximum Fuse Size (amps): _____

Maximum Circuit Ampacity: _____

Operating Conditions

	COOLING MODE	HEATING MODE
Entering / Leaving Air Temp	_____ / _____	_____ / _____
Entering Air Measured at:	_____	_____
Leaving Air Measured at:	_____ _____	_____ _____
Source Fluid Type:	_____	_____
Entering / Leaving Fluid Temp:	_____ / _____	_____ / _____

Calculate Heat of Extraction / Heat of Rejection and compare to performance tables shown in Product Data

Heating Mode – Heat of Extraction:

Flow Rate (gpm) _____ X Temp Difference (deg. F) _____ X Fluid Factor* _____ = _____

Cooling Mode – Heat of Rejection:

Flow Rate (gpm) _____ X Temp Difference (deg. F) _____ X Fluid Factor* _____ = _____

* Fluid factor: Use 500 for water, 485 for antifreeze.

Fluid Flow (gpm)	_____	_____
Fluid Side Pressure Drop	_____	_____
Compressor Volts / Amps:	_____ / _____	_____ / _____
Blower Motor Volts / Amps:	_____ / _____	_____ / _____

The following items are required for Troubleshooting ONLY. Do not install gauges unless a problem is suspected:

Suction / Discharge Pressure (psig)	_____ / _____	_____ / _____
Suction / Discharge Temp	_____ / _____	_____ / _____
Suction Superheat	_____	_____
Entering TXV / Cap Tube Temp	_____	_____
Liquid Subcooling	_____	_____

Auxiliary Heat

Model #: _____ Serial #: _____

Max Fuse Size (Amps): _____ Volts / Amps: _____

Entering Air Temperature: _____ Leaving Air Temperature: _____

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