



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Jan 1, 2006 and Dec 31, 2016 and used in GLHP or GWHP application point.

# Certificate of Product Ratings

AHRI Certified Reference Number: 8377037

Date: 1/5/2016

†Status: Active

Product: Water/Brine to Water Heat Pump Packaged Unit

Model Number: THT-080-\*

Manufacturer: TERRA-THERM INC.

Trade/Brand name: TTHERM GEO

Rated as follows in accordance with ANSI/AHRI/ASHRAE/ISO Standard 13256-2 for Water-to-Water and Brine-To-Water Heat Pumps and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Indoor Fluid Flow Rate - Cooling: 18.0 / 18.0  
Indoor Fluid Flow Rate - Heating: 18.0 / 18.0

Indoor Fluid Flow Rate - Cooling - Part Load: 18.0 / 18.0  
Indoor Fluid Flow Rate - Heating - Part Load: 18.0 / 18.0

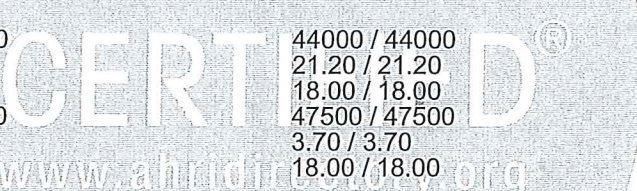
### WLHP (Water-Loop Heat Pumps) Full Load

### Part Load

Cooling Capacity(Btuh)  
Cooling EER Rating(Btuh/watt)  
Cooling Fluid Flow Rate(gpm)  
Heating Capacity(Btuh)  
Heating COP(watt/watt)  
Heating Fluid Flow Rate(gpm)

### GWHP (Ground-Water Heat Pumps)

Cooling Capacity(Btuh) 82000 / 82000  
Cooling EER Rating(Btuh/watt) 20.50 / 20.50  
Cooling Fluid Flow Rate(gpm) 18.00 / 18.00  
Heating Capacity(Btuh) 86000 / 86000  
Heating COP(watt/watt) 3.60 / 3.60  
Heating Fluid Flow Rate(gpm) 18.00 / 18.00



44000 / 44000  
21.20 / 21.20  
18.00 / 18.00  
47500 / 47500  
3.70 / 3.70  
18.00 / 18.00

### GLHP (Ground-Loop Heat Pumps)

Cooling Capacity(Btuh) 74500 / 74500  
Cooling EER Rating(Btuh/watt) 15.80 / 15.80  
Cooling Fluid Flow Rate(gpm) 18.00 / 18.00  
Heating Capacity(Btuh) 70000 / 70000  
Heating COP(watt/watt) 2.90 / 2.90  
Heating Fluid Flow Rate(gpm) 18.00 / 18.00

41700 / 41700  
17.50 / 17.50  
18.00 / 18.00  
42400 / 42400  
3.30 / 3.30  
18.00 / 18.00

Indoor Blower Motor Fan Type:

Sold In:

\* Ratings followed by an asterisk (\*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

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