



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: 7607519

Date: 1/5/2016

†Status: Active

Product: Water/Brine to Water Heat Pump Packaged Unit

Model Number: THA-024-\*

Manufacturer: TERRA-THERM INC.

Trade/Brand name: THERM 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: 8.0 / 8.0

Indoor Fluid Flow Rate - Heating: 8.0 / 8.0

### WLHP (Water-Loop Heat Pumps) Full 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) 27000 / 27000

Cooling EER Rating(Btuh/watt) 21.10 / 21.10

Cooling Fluid Flow Rate(gpm) 8.00 / 8.00

Heating Capacity(Btuh) 24800 / 24800

Heating COP(watt/watt) 3.60 / 3.60

Heating Fluid Flow Rate(gpm) 8.00 / 8.00

### GLHP (Ground-Loop Heat Pumps)

Cooling Capacity(Btuh) 23000 / 23000

Cooling EER Rating(Btuh/watt) 16.20 / 16.20

Cooling Fluid Flow Rate(gpm) 8.00 / 8.00

Heating Capacity(Btuh) 21500 / 21500

Heating COP(watt/watt) 3.10 / 3.10

Heating Fluid Flow Rate(gpm) 8.00 / 8.00

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.

#### DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahrirectory.org](http://www.ahrirectory.org).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahrirectory.org](http://www.ahrirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2014 Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

CERTIFICATE NO.: 130965036903094650