

AHRI Certified Reference Number: 207822239 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2BWBB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

14010/14010

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP (Water-Loop Heat Pumps)
Cooling Capacity (Btuh)

Cooling Capacity (Bluin)	22214/22214	14919/14919
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83
Cooling Fluid Flow Rate (gpm)	6.10	4.00
Heating Capacity (Btuh)	53473/53473	22184/22184
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46
Heating Fluid Flow Rate (gpm)	11.70	7.60

### **GWHP (Ground Water-Heat Pumps)**

Cooling Capacity (Btuh)	23901/23901	15879/15879
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43
Cooling Fluid Flow Rate (gpm)	6.10	4.00
Heating Capacity (Btuh)	46261/46261	19431/19431
Heating COP (watt/watt)	3.35/3.35	4.14/4.14
Heating Fluid Flow Rate (gpm)	9.50	6.30

**Full Load** 

00074/00074

### **GLHP** (Ground -Loop Heat Pumps)

Cooling	Capacity (Btuh)	21781/21781	15221/15221
Cooling	EER Rating (Btuh/Watt)	13.65/13.65	18.81/18.81
Cooling	Fluid Flow Rate (gpm)	5.90	3.90
Heating	Capacity (Btuh)	36024/36024	16947/16947
Heating	COP (watt/watt)	2.83/2.83	3.87/3.87
Heating	Fluid Flow Rate (gpm)	6.80	5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.ahridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 200222Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822240 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWBH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WI HP	(Water-Loop	Heat	Pumns)
	(a.o. =oop		. upu,

Cooling Capacity (Btuh)	22274/22274	14919/14919
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83
Cooling Fluid Flow Rate (gpm)	6.10	4.00
Cooling Fluid Flow Rate (gpin)	0.10	4.00
Heating Capacity (Btuh)	53473/53473	22184/22184
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46
Heating Fluid Flow Rate (gpm)	11.70	7.60

**Full Load** 

## **GWHP (Ground Water-Heat Pumps)**

Cooling Capacity (Btuh)	23901/23901	15879/15879
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43
Cooling Fluid Flow Rate (gpm)	6.10	4.00
Heating Capacity (Btuh)	46261/46261	19431/19431
Heating COP (watt/watt)	3.35/3.35	4.14/4.14
Heating Fluid Flow Rate (gpm)	9.50	6.30

## **GLHP** (Ground -Loop Heat Pumps)

21781/21781	15221/15221
13.65/13.65	18.81/18.81
5.90	3.90
36024/36024	16947/16947
2.83/2.83	3.87/3.87
6.80	5.40
	13.65/13.65 5.90 36024/36024 2.83/2.83

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822232 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWHA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46

11.70

46261/46261

3.35/3.35

9.50

**GWHP (Ground Water-Heat Pumps)** 

Cooling Capacity (Btuh) Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

Heating COP (watt/watt)

Heating Fluid Flow Rate (gpm)

19431/19431 4.14/4.14 4.14/4.14

7.60

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

16947/16947 36024/36024 Heating Capacity (Btuh) Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

132978040427578934 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822229 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWHB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Fluid Flow Rate (gpm)

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46

11.70

46261/46261

3.35/3.35

9.50

### **GWHP (Ground Water-Heat Pumps)**

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)

19431/19431 4.14/4.14 4.14/4.14

7.60

## **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

16947/16947 36024/36024 Heating Capacity (Btuh) Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822231 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWHE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.14/4.14

16947/16947

3.87/3.87

5.40

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

46261/46261

36024/36024

2.83/2.83

6.80

3.35/3.35

9.50

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822230 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWHH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

7.60

4.14/4.14

16947/16947

3.87/3.87

5.40

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Fluid Flow Rate (gpm)

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46

11.70

46261/46261

36024/36024

2.83/2.83

6.80

3.35/3.35

9.50

### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822236 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWPA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

36024/36024 2.83/2.83

46261/46261

3.35/3.35

9.50

6.80

16947/16947 3.87/3.87 5.40

4.14/4.14

### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822233 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2BWPB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

Full Load Part Load1

Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

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

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184
Heating Cop (watt/watt) 4.32/4.32 5.46/5.46

11.70

9.50

**GWHP (Ground Water-Heat Pumps)** 

Cooling Capacity (Btuh)

Heating Fluid Flow Rate (gpm)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

Heating COP (watt/watt)

Heating COI (watt/watt)

Heating Fluid Flow Rate (gpm)

46261/46261 19431/19431 3.35/3.35 4.14/4.14

6.30

7.60

0.30

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

 Heating Capacity (Btuh)
 36024/36024
 16947/16947

 Heating COP (watt/watt)
 2.83/2.83
 3.87/3.87

 Heating Fluid Flow Rate (gpm)
 6.80
 5.40

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822235 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2BWPE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

Full Load Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### WLHP (Water-Loop Heat Pumps)

Cooling Capacity (Btuh)

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

 Heating Capacity (Btuh)
 53473/53473
 22184/22184

 Heating Cop (watt/watt)
 4.32/4.32
 5.46/5.46

 Heating Fluid Flow Rate (gpm)
 11.70
 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

46261/46261 19431/19431 3.35/3.35 4.14/4.14

9.50

6.30

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

 Heating Capacity (Btuh)
 36024/36024
 16947/16947

 Heating COP (watt/watt)
 2.83/2.83
 3.87/3.87

 Heating Fluid Flow Rate (gpm)
 6.80
 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIME

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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822234 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWPH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.14/4.14

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

46261/46261

3.35/3.35

9.50

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

16947/16947 36024/36024 Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:

19431/19431 4.14/4.14



AHRI Certified Reference Number: 207822237 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2BWRB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps) Cooling Capacity (Btuh)	22274/22274	14919/14919		
Cooling EER Rating (Btuh/watt) Cooling Fluid Flow Rate (gpm)	13.09/13.09 6.10	14.83/14.83 4.00		
Heating Capacity (Btuh)	53473/53473	22184/22184		
Heating Cop (watt/watt) Heating Fluid Flow Rate (gpm)	4.32/4.32 11.70	5.46/5.46 7.60		
GWHP (Ground Water-Heat Pumps) Cooling Capacity (Btuh) Cooling EER Rating (Btuh/Watt) Cooling Fluid Flow Rate (gpm)	23901/23901 18.60/18.60 6.10	15879/15879 22.43/22.43 4.00		
Heating Capacity (Btuh) Heating COP (watt/watt)	46261/46261 3.35/3.35	19431/19431 4.14/4.14		
Heating Fluid Flow Rate (gpm)	9.50	6.30		
GLHP (Ground -Loop Heat Pumps) Cooling Capacity (Btuh) Cooling EER Rating (Btuh/Watt) Cooling Fluid Flow Rate (gpm)	21781/21781 13.65/13.65 5.90	15221/15221 18.81/18.81 3.90		
Heating Cop (watt/watt)	36024/36024 2.83/2.83	16947/16947 3.87/3.87		
Heating Fluid Flow Rate (gpm)	6.80	5.40		

#### Indoor Blower Motor Fan Type:

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822238 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2BWRH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling:				
Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	22274/22274	14919/14919		
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83		
Cooling Fluid Flow Rate (gpm)	6.10	4.00		
Heating Capacity (Btuh)	53473/53473	22184/22184		
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46		
Heating Fluid Flow Rate (gpm)	11.70	7.60		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	23901/23901	15879/15879		
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43		
Cooling Fluid Flow Rate (gpm)	6.10	4.00		
Heating Capacity (Btuh)	46261/46261	19431/19431		
Heating COP (watt/watt)	3.35/3.35	4.14/4.14		
Heating Fluid Flow Rate (gpm)	9.50	6.30		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	21781/21781	15221/15221		
Cooling EER Rating (Btuh/Watt)	13.65/13.65	18.81/18.81		
Cooling Fluid Flow Rate (gpm)	5.90	3.90		
Heating Capacity (Btuh)	36024/36024	16947/16947		
Heating COP (watt/watt)	2.83/2.83	3.87/3.87		
Heating Fluid Flow Rate (gpm)	6.80	5.40		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIME

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 <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>.

#### 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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 200222Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822275 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2CWBB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling:				
Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	22274/22274	14919/14919		
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83		
Cooling Fluid Flow Rate (gpm)	6.10	4.00		
Heating Capacity (Btuh)	53473/53473	22184/22184		
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46		
Heating Fluid Flow Rate (gpm)	11.70	7.60		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	23901/23901	15879/15879		
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43		
Cooling Fluid Flow Rate (gpm)	6.10	4.00		
Heating Capacity (Btuh)	46261/46261	19431/19431		
Heating COP (watt/watt)	3.35/3.35	4.14/4.14		
Heating Fluid Flow Rate (gpm)	9.50	6.30		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	21781/21781	15221/15221		
Cooling EER Rating (Btuh/Watt)	13.65/13.65	18.81/18.81		
Cooling Fluid Flow Rate (gpm)	5.90	3.90		
Heating Capacity (Btuh)	36024/36024	16947/16947		
Heating COP (watt/watt)	2.83/2.83	3.87/3.87		
Heating Fluid Flow Rate (gpm)	6.80	5.40		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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 <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>.

#### 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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822276 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2CWBH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

14010/14010

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP (	(Water-Loop Heat Pumps)
Cooling	Capacity (Btuh)

Cooling Capacity (Bluin)	22214/22214	14919/14919
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83
Cooling Fluid Flow Rate (gpm)	6.10	4.00
Heating Capacity (Btuh)	53473/53473	22184/22184
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46
Heating Fluid Flow Rate (gpm)	11.70	7.60

**Full Load** 

00074/00074

## **GWHP (Ground Water-Heat Pumps)**

Cooling Capacity (Btuh)	23901/23901	15879/15879	
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43	
Cooling Fluid Flow Rate (gpm)	6.10	4.00	
Heating Capacity (Btuh)	46261/46261	19431/19431	
Heating COP (watt/watt)	3.35/3.35	4.14/4.14	
Heating Fluid Flow Rate (gpm)	9.50	6.30	

## **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)	21781/21781	15221/15221
Cooling EER Rating (Btuh/Watt)	13.65/13.65	18.81/18.81
Cooling Fluid Flow Rate (gpm)	5.90	3.90
Heating Capacity (Btuh)	36024/36024	16947/16947
Heating COP (watt/watt)	2.83/2.83	3.87/3.87
Heating Fluid Flow Rate (gpm)	6.80	5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.ahridirectory.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.



The information for the model cited on this certificate can be verified at <a href="www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822268 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2CWHA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

46261/46261

3.35/3.35

9.50

6.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

4.14/4.14

16947/16947 36024/36024 2.83/2.83 3.87/3.87

5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822265 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2CWHB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

36024/36024 2.83/2.83

46261/46261

3.35/3.35

9.50

16947/16947 3.87/3.87

4.14/4.14

6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822267 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2CWHE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.14/4.14

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

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

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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) 36024/36024 2.83/2.83

46261/46261

3.35/3.35

9.50

16947/16947 3.87/3.87

6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822266 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2CWHH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### WLHP (Water-Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/watt)

Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh)

53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

19431/19431 4.14/4.14 46261/46261 3.35/3.35 4.14/4.14

9.50

## **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

16947/16947 36024/36024 Heating Capacity (Btuh) Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822272 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2CWPA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

Full Load Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### WLHP (Water-Loop Heat Pumps)

Cooling Capacity (Btuh)

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

 Heating Capacity (Btuh)
 53473/53473
 22184/22184

 Heating Cop (watt/watt)
 4.32/4.32
 5.46/5.46

 Heating Fluid Flow Rate (gpm)
 11.70
 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

46261/46261 19431/19431 3.35/3.35 4.14/4.14

6.30

www.ahridirectorv.ord

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

 Heating Capacity (Btuh)
 36024/36024
 16947/16947

 Heating COP (watt/watt)
 2.83/2.83
 3.87/3.87

 Heating Fluid Flow Rate (gpm)
 6.80
 5.40

9.50

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822269 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2CWPB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

Full Load Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

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

Cooling Capacity (Btuh)

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

 Heating Capacity (Btuh)
 53473/53473
 22184/22184

 Heating Cop (watt/watt)
 4.32/4.32
 5.46/5.46

 Heating Fluid Flow Rate (gpm)
 11.70
 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

46261/46261 3.35/3.35

9.50

19431/19431 4.14/4.14

6.30

www.ahridirectory.ord

## **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

 Heating Capacity (Btuh)
 36024/36024
 16947/16947

 Heating COP (watt/watt)
 2.83/2.83
 3.87/3.87

 Heating Fluid Flow Rate (gpm)
 6.80
 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822271 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water

Model Number: NETZERO09KW2CWPE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.14/4.14

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

19431/19431 4.14/4.14

Air Flow Rate - Cooling: Air Flow Rate - Heating:

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

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

46261/46261

3.35/3.35

9.50

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

16947/16947 36024/36024 Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822270 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO09KW2CWPH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

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

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 53473/53473 22184/22184 Heating Cop (watt/watt) 4.32/4.32 5.46/5.46 Heating Fluid Flow Rate (gpm) 11.70 7.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

3.35/3.35

9.50

46261/46261

19431/19431 4.14/4.14 4.14/4.14

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

16947/16947 36024/36024 Heating Capacity (Btuh) Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822273 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water

Model Number: NETZERO9KW2CWRB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, D---( 1 - - - 14

third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling:				
Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	22274/22274	14919/14919		
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83		
Cooling Fluid Flow Rate (gpm)	6.10	4.00		
Heating Capacity (Btuh)	53473/53473	22184/22184		
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46		
Heating Fluid Flow Rate (gpm)	11.70	7.60		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	23901/23901	15879/15879		
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43		
Cooling Fluid Flow Rate (gpm)	6.10	4.00		
Heating Capacity (Btuh)	46261/46261	19431/19431		
Heating COP (watt/watt)	3.35/3.35	4.14/4.14		
Heating Fluid Flow Rate (gpm)	9.50	6.30		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	21781/21781	15221/15221		
Cooling EER Rating (Btuh/Watt)	13.65/13.65	18.81/18.81		
Cooling Fluid Flow Rate (gpm)	5.90	3.90		
Heating Capacity (Btuh)	36024/36024	16947/16947		
Heating COP (watt/watt)	2.83/2.83	3.87/3.87		
Heating Fluid Flow Rate (gpm)	6.80	5.40		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822274 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO09KW2CWRH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air	Flow	Rate -	Cooling:

Air Flow Rate - Heating:			
WLHP (Water-Loop Heat Pumps)			
Cooling Capacity (Btuh)	22274/22274	14919/14919	
Cooling EER Rating (Btuh/watt)	13.09/13.09	14.83/14.83	
Cooling Fluid Flow Rate (gpm)	6.10	4.00	
Heating Capacity (Btuh)	53473/53473	22184/22184	
Heating Cop (watt/watt)	4.32/4.32	5.46/5.46	
Heating Fluid Flow Rate (gpm)	11.70	7.60	
GWHP (Ground Water-Heat Pumps)			
Cooling Capacity (Btuh)	23901/23901	15879/15879	
Cooling EER Rating (Btuh/Watt)	18.60/18.60	22.43/22.43	

**Full Load** 

 Cooling EER Rating (Btuh/Watt)
 18.60/18.60
 22.43/22.43

 Cooling Fluid Flow Rate (gpm)
 6.10
 4.00

 Heating Capacity (Btuh)
 46261/46261
 19431/19431

 Heating COP (watt/watt)
 3.35/3.35
 4.14/4.14

 Heating Fluid Flow Rate (gpm)
 9.50
 6.30

**GLHP** (Ground -Loop Heat Pumps) Cooling Capacity (Btuh) 21781/21781 15221/15221 Cooling EER Rating (Btuh/Watt) 13.65/13.65 18.81/18.81 Cooling Fluid Flow Rate (gpm) 5.90 3.90 36024/36024 Heating Capacity (Btuh) 16947/16947 Heating COP (watt/watt) 2.83/2.83 3.87/3.87 Heating Fluid Flow Rate (gpm) 6.80 5.40

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822251 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWBB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP (	(Water-Loop	Heat	Pumps)

Cooling Capacity (Btuh)	30787/30787	20836/20836
Cooling EER Rating (Btuh/watt)	13.60/13.60	15.19/15.19
Cooling Fluid Flow Rate (gpm)	8.30	5.50
Heating Capacity (Btuh)	68212/68212	30597/30597
Heating Cop (watt/watt)	4.64/4.64	6.01/6.01
Heating Fluid Flow Rate (gpm)	15.40	10.80
3 1 1 1 (5)		

**Full Load** 

#### **GWHP (Ground Water-Heat Pumps)**

Cooling Capacity (Btuh)	32057/32057	21536/21536
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03
Cooling Fluid Flow Rate (gpm)	8.20	5.40
Heating Capacity (Btuh)	62244/62244	23617/23617
Heating COP (watt/watt)	3.47/3.47	4.54/4.54
Heating Fluid Flow Rate (gpm)	13.00	7.90

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)	29297/29297	20681/20681
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64
Cooling Fluid Flow Rate (gpm)	7.90	5.30
Heating Capacity (Btuh)	48688/48688	23532/23532
Heating COP (watt/watt)	2.87/2.87	3.98/3.98
Heating Fluid Flow Rate (gpm)	9.60	7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822252 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO12KW2BWBH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party tooking:

third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps) Cooling Capacity (Btuh) Cooling EER Rating (Btuh/watt) Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh)	30787/30787 13.60/13.60 8.30 68212/68212	20836/20836 15.19/15.19 5.50 30597/30597		
Heating Cop (watt/watt) Heating Fluid Flow Rate (gpm)	4.64/4.64 15.40	6.01/6.01 10.80		
GWHP (Ground Water-Heat Pumps) 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)	32057/32057 18.57/18.57 8.20 62244/62244 3.47/3.47 13.00	21536/21536 22.03/22.03 5.40 23617/23617 4.54/4.54 7.90		
GLHP (Ground -Loop Heat Pumps) 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)	29297/29297 13.72/13.72 7.90 48688/48688 2.87/2.87 9.60	20681/20681 18.64/18.64 5.30 23532/23532 3.98/3.98 7.70		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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 <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>.

### 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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822244 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWHA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

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

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

48688/48688 2 87/2 87

62244/62244

3.47/3.47

13.00

9.60

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

23532/23532

3.98/3.98

7.70

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

132978046783923028 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822241 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWHB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597

Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

48688/48688

2 87/2 87

62244/62244

3.47/3.47

13.00

9.60

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

23532/23532

3.98/3.98

7.70

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822243 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO12KW2BWHE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

30597/30597

6.01/6.01

10.80

third party testing:

Full Load Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### WLHP (Water-Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/watt)

Cooling Fluid Flow Rate (gpm)
Heating Capacity (Btuh)

Heating Capacity (Btuh) 68212/68212
Heating Cop (watt/watt) 4.64/4.64
Heating Fluid Flow Rate (gpm) 15.40

Heating Fluid Flow Rate (gpm)

GWHP (Ground Water-Heat Pumps)

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

48688/48688 2 87/2 87

62244/62244

3.47/3.47

13.00

9.60

23532/23532 3.98/3.98

7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 200222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.: 132978



AHRI Certified Reference Number: 207822242 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWHH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

10.80

23532/23532

3.98/3.98

7.70

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01

**GWHP (Ground Water-Heat Pumps)** 

Cooling Capacity (Btuh) Cooling EER Rating (Btuh/Watt)

Heating Fluid Flow Rate (gpm)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

Heating COP (watt/watt)

Heating Fluid Flow Rate (gpm)

**GLHP** (Ground -Loop Heat Pumps)

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)

2 87/2 87 9.60

15.40

62244/62244

3.47/3.47

13.00

48688/48688

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822248 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWPA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597

Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

23532/23532

3.98/3.98

7.70

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.ahridirectory.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.

62244/62244

48688/48688

2 87/2 87

9.60

3.47/3.47

13.00



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822245 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWPB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

10.80

23532/23532

3.98/3.98

7.70

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Fluid Flow Rate (gpm)

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01

15.40

62244/62244

48688/48688

2 87/2 87

9.60

3.47/3.47

13.00

**GWHP (Ground Water-Heat Pumps)** 

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822247 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWPE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

3.47/3.47

62244/62244

13.00

## **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

48688/48688 23532/23532 Heating Capacity (Btuh) Heating COP (watt/watt) 2 87/2 87 3.98/3.98 Heating Fluid Flow Rate (gpm) 9.60 7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822246 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWPH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

48688/48688

2 87/2 87 9.60

62244/62244

3.47/3.47

13.00

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

23532/23532

3.98/3.98

7.70

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822249 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWRB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
All Flow Rate - Heating.				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	30787/30787	20836/20836		
Cooling EER Rating (Btuh/watt)	13.60/13.60	15.19/15.19		
Cooling Fluid Flow Rate (gpm)	8.30	5.50		
Heating Capacity (Btuh)	68212/68212	30597/30597		
Heating Cop (watt/watt)	4.64/4.64	6.01/6.01		
Heating Fluid Flow Rate (gpm)	15.40	10.80		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	32057/32057	21536/21536		
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03		
Cooling Fluid Flow Rate (gpm)	8.20	5.40		
Heating Capacity (Btuh)	62244/62244	23617/23617		
Heating COP (watt/watt)	3.47/3.47	4.54/4.54		
Heating Fluid Flow Rate (gpm)	13.00	7.90		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	29297/29297	20681/20681		
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64		
Cooling Fluid Flow Rate (gpm)	7.90	5.30		
Heating Capacity (Btuh)	48688/48688	23532/23532		
Heating COP (watt/watt)	2.87/2.87	3.98/3.98		
Heating Fluid Flow Rate (gpm)	9.60	7.70		

#### Indoor Blower Motor Fan Type:

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822250 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2BWRH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP	(Water-Loo	p Heat	Pumps)
------	------------	--------	--------

30787/30787	20836/20836
13.60/13.60	15.19/15.19
8.30	5.50
68212/68212	30597/30597
4.64/4.64	6.01/6.01
15.40	10.80
	13.60/13.60 8.30 68212/68212 4.64/4.64

**Full Load** 

### **GWHP (Ground Water-Heat Pumps)**

Cooling Capacity (Btuh)	32057/32057	21536/21536
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03 (R)
Cooling Fluid Flow Rate (gpm)	8.20	5.40
Heating Capacity (Btuh)	62244/62244	23617/23617
Heating COP (watt/watt)	3.47/3.47	4.54/4.54
Heating Fluid Flow Rate (gpm)	13.00	7.90

## **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)	29297/29297	20681/20681
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64
Cooling Fluid Flow Rate (gpm)	7.90	5.30
Heating Capacity (Btuh)	48688/48688	23532/23532
Heating COP (watt/watt)	2.87/2.87	3.98/3.98
Heating Fluid Flow Rate (gpm)	9.60	7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822287 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWBB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WIHD	(Water-Loop	Heat	Dumne	۱
WLDP	(water-Loop	пеат	Pullips	ı

Cooling Capacity (Btuh)	30787/30787	20836/20836
Cooling EER Rating (Btuh/watt)	13.60/13.60	15.19/15.19
Cooling Fluid Flow Rate (gpm)	8.30	5.50
Heating Capacity (Btuh)	68212/68212	30597/30597
Heating Cop (watt/watt)	4.64/4.64	6.01/6.01
Heating Fluid Flow Rate (gpm)	15.40	10.80

**Full Load** 

### **GWHP** (Ground Water-Heat Pumps)

Cooling Capacity (Btuh)	32057/32057	21536/21536
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03 (R)
Cooling Fluid Flow Rate (gpm)	8.20	5.40
Heating Capacity (Btuh)	62244/62244	23617/23617
Heating COP (watt/watt)	3.47/3.47	4.54/4.54
Heating Fluid Flow Rate (gpm)	13.00	7.90
GLHP (Ground -Loop Heat Pumps)		

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)	29297/29297	20681/20681
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64
Cooling Fluid Flow Rate (gpm)	7.90	5.30
Heating Capacity (Btuh)	48688/48688	23532/23532
Heating COP (watt/watt)	2.87/2.87	3.98/3.98
Heating Fluid Flow Rate (gpm)	9.60	7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822288 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWBH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling:				
Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	30787/30787	20836/20836		
Cooling EER Rating (Btuh/watt)	13.60/13.60	15.19/15.19		
Cooling Fluid Flow Rate (gpm)	8.30	5.50		
Heating Capacity (Btuh)	68212/68212	30597/30597		
Heating Cop (watt/watt)	4.64/4.64	6.01/6.01		
Heating Fluid Flow Rate (gpm)	15.40	10.80		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	32057/32057	21536/21536		
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03		
Cooling Fluid Flow Rate (gpm)	8.20	5.40		
Heating Capacity (Btuh)	62244/62244	23617/23617		
Heating COP (watt/watt)	3.47/3.47	4.54/4.54		
Heating Fluid Flow Rate (gpm)	13.00	7.90		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	29297/29297	20681/20681		
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64		
Cooling Fluid Flow Rate (gpm)	7.90	5.30		
Heating Capacity (Btuh)	48688/48688	23532/23532		
Heating COP (watt/watt)	2.87/2.87	3.98/3.98		
Heating Fluid Flow Rate (gpm)	9.60	7.70		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822280 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWHA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

10.80

23532/23532

3.98/3.98

7.70

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01

15.40

62244/62244

48688/48688

2 87/2 87

9.60

3.47/3.47

13.00

**GWHP (Ground Water-Heat Pumps)** 

Cooling Capacity (Btuh)

Heating Fluid Flow Rate (gpm)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

Heating COP (watt/watt)

Heating Fluid Flow Rate (gpm)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822277 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWHB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

10.80

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01

15.40

62244/62244

48688/48688

2 87/2 87

9.60

3.47/3.47

13.00

**GWHP (Ground Water-Heat Pumps)** 

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Heating Fluid Flow Rate (gpm)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

Heating COP (watt/watt)

Heating Fluid Flow Rate (gpm)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

23532/23532

3.98/3.98

7.70

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822279 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWHE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

10.80

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01

15.40

62244/62244

3.47/3.47

13.00

**GWHP (Ground Water-Heat Pumps)** 

Cooling Capacity (Btuh)

Heating Fluid Flow Rate (gpm)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

Heating COP (watt/watt)

Heating Fluid Flow Rate (gpm)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

48688/48688 23532/23532 Heating COP (watt/watt) 2 87/2 87 3.98/3.98 Heating Fluid Flow Rate (gpm) 9.60 7.70

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822278 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWHH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/watt)

Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh) 68212/68212

30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps) 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)

48688/48688

62244/62244

3.47/3.47

13.00

2 87/2 87

9.60

23532/23532 3.98/3.98 7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822284 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product : Water-to-Water and Brine-to-Water
Model Number : NETZERO12KW2CWPA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

Full Load Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### WLHP (Water-Loop Heat Pumps)

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597

Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

62244/62244 3.47/3.47

13.00

23617/23617 4.54/4.54 7.90

www.ahridirectorv.org

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

 Heating Capacity (Btuh)
 48688/48688
 23532/23532

 Heating COP (watt/watt)
 2.87/2.87
 3.98/3.98

 Heating Fluid Flow Rate (gpm)
 9.60
 7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 200222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822281 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWPB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597

Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

62244/62244

48688/48688

2 87/2 87

9.60

3.47/3.47

13.00

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

23532/23532

3.98/3.98

7.70

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822283 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWPE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

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) 68212/68212 4.64/4.64

15.40

30597/30597 6.01/6.01 10.80

**GWHP (Ground Water-Heat Pumps)** 

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)

23617/23617 4.54/4.54 62244/62244 3.47/3.47 13.00

7.70

**GLHP** (Ground -Loop Heat Pumps)

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) 48688/48688 2 87/2 87 9.60

23532/23532 3.98/3.98

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822282 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWPH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

23617/23617 4.54/4.54

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 68212/68212 30597/30597 Heating Cop (watt/watt) 4.64/4.64 6.01/6.01 Heating Fluid Flow Rate (gpm) 15.40 10.80

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

48688/48688 2 87/2 87

62244/62244

3.47/3.47

13.00

9.60

23532/23532 3.98/3.98 7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

132978116819022479 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822285 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWRB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP (	(Water-Loop	Heat	Pumps)

Cooling Capacity (Btuh)	30787/30787	20836/20836
Cooling EER Rating (Btuh/watt)	13.60/13.60	15.19/15.19
Cooling Fluid Flow Rate (gpm)	8.30	5.50
Heating Capacity (Btuh)	68212/68212	30597/30597
Heating Cop (watt/watt)	4.64/4.64	6.01/6.01
Heating Fluid Flow Rate (gpm)	15.40	10.80

**Full Load** 

#### **GWHP** (Ground Water-Heat Pumps)

Cooling Capacity (Btuh)	32057/32057	21536/21536
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03 (R)
Cooling Fluid Flow Rate (gpm)	8.20	5.40
Heating Capacity (Btuh)	62244/62244	23617/23617
Heating COP (watt/watt)	3.47/3.47	4.54/4.54
Heating Fluid Flow Rate (gpm)	13.00	7.90
GLHP (Ground -Loop Heat Pumps)		

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)	29297/29297	20681/20681
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64
Cooling Fluid Flow Rate (gpm)	7.90	5.30
Heating Capacity (Btuh)	48688/48688	23532/23532
Heating COP (watt/watt)	2.87/2.87	3.98/3.98
Heating Fluid Flow Rate (gpm)	9.60	7.70

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822286 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO12KW2CWRH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling:				
Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	30787/30787	20836/20836		
Cooling EER Rating (Btuh/watt)	13.60/13.60	15.19/15.19		
Cooling Fluid Flow Rate (gpm)	8.30	5.50		
Heating Capacity (Btuh)	68212/68212	30597/30597		
Heating Cop (watt/watt)	4.64/4.64	6.01/6.01		
Heating Fluid Flow Rate (gpm)	15.40	10.80		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	32057/32057	21536/21536		
Cooling EER Rating (Btuh/Watt)	18.57/18.57	22.03/22.03		
Cooling Fluid Flow Rate (gpm)	8.20	5.40		
Heating Capacity (Btuh)	62244/62244	23617/23617		
Heating COP (watt/watt)	3.47/3.47	4.54/4.54		
Heating Fluid Flow Rate (gpm)	13.00	7.90		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	29297/29297	20681/20681		
Cooling EER Rating (Btuh/Watt)	13.72/13.72	18.64/18.64		
Cooling Fluid Flow Rate (gpm)	7.90	5.30		
Heating Capacity (Btuh)	48688/48688	23532/23532		
Heating COP (watt/watt)	2.87/2.87	3.98/3.98		
Heating Fluid Flow Rate (gpm)	9.60	7.70		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822263 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO22KW2BWBB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps) 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)	44782/44782 13.28/13.28 12.10 96053/96053 3.99/3.99 20.90	30182/30182 14.68/14.68 8.00 73713/73713 5.53/5.53 15.30		
GWHP (Ground Water-Heat Pumps) 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)	48967/48967 18.75/18.75 12.10 86016/86016 3.22/3.22 17.60	32706/32706 22.05/22.05 9.30 34387/34387 4.36/4.36 11.50		
GLHP (Ground -Loop Heat Pumps) 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)	44726/44726 13.95/13.95 12.00 70898/70898 2.81/2.81 20.70	31403/31403 18.72/18.72 8.10 30384/30384 3.87/3.87 9.80		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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 <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>.

#### 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.



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.

© 200222Air-Conditioning, Heating, and Refrigeration Institute

CERTIFICATE NO.:

132978106498557170



we make life better™



AHRI Certified Reference Number: 207822264 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWBH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing: B = = 14

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	44782/44782	30182/30182		
Cooling EER Rating (Btuh/watt)	13.28/13.28	14.68/14.68		
Cooling Fluid Flow Rate (gpm)	12.10	8.00		
Heating Capacity (Btuh)	96053/96053	73713/73713		
Heating Cop (watt/watt)	3.99/3.99	5.53/5.53		
Heating Fluid Flow Rate (gpm)	20.90	15.30		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	48967/48967	32706/32706		
Cooling EER Rating (Btuh/Watt)	18.75/18.75	22.05/22.05		
Cooling Fluid Flow Rate (gpm)	12.10	9.30		
Heating Capacity (Btuh)	86016/86016	34387/34387		
Heating COP (watt/watt)	3.22/3.22	4.36/4.36		
Heating Fluid Flow Rate (gpm)	17.60	11.50		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	44726/44726	31403/31403		
Cooling EER Rating (Btuh/Watt)	13.95/13.95	18.72/18.72		
Cooling Fluid Flow Rate (gpm)	12.00	8.10		
Heating Capacity (Btuh)	70898/70898	30384/30384		
Heating COP (watt/watt)	2.81/2.81	3.87/3.87		
Heating Fluid Flow Rate (gpm)	20.70	9.80		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



**Full Load** 

AHRI Certified Reference Number: 207822256 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWHA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

Part Load1

Part Load2

34387/34387 4.36/4.36

Part Load3

third party testing:

Air Flow Rate - Cooling: Air Flow Rate - Heating:

**WLHP (Water-Loop Heat Pumps)** 

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

**GWHP (Ground Water-Heat Pumps)** 

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

20.70

86016/86016

70898/70898

2.81/2.81

3.22/3.22

17.60

3 87/3 87

30384/30384

4.36/4.36

9.80

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822253 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWHB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

15.30

4.36/4.36

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53

20.90

86016/86016

3.22/3.22

17.60

Heating Fluid Flow Rate (gpm)

**GWHP (Ground Water-Heat Pumps)** 

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)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

70898/70898 30384/30384 Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

132978053999967375 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822255 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWHE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

15.30

4.36/4.36

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53

20.90

86016/86016

3.22/3.22

17.60

Heating Fluid Flow Rate (gpm)

**GWHP (Ground Water-Heat Pumps)** 

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)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

70898/70898 30384/30384 Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822254 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWHH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

### **GWHP (Ground Water-Heat Pumps)**

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)

86016/86016 3.22/3.22

17.60

34387/34387 4.36/4.36 4.36/4.36

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

70898/70898 30384/30384 Heating Capacity (Btuh) Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

132978054469661839 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822260 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWPA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1

Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

### **GWHP (Ground Water-Heat Pumps)**

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)

17.60

34387/34387 4.36/4.36 86016/86016 3.22/3.22 4.36/4.36

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

70898/70898 30384/30384 Heating Capacity (Btuh) Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822257 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWPB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.36/4.36

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

86016/86016

3.22/3.22

17.60

**GWHP (Ground Water-Heat Pumps)** 

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)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

Heating Capacity (Btuh)

70898/70898 30384/30384 Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

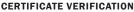
†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822259 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWPE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.36/4.36

30384/30384

3 87/3 87

9.80

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/watt)

Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh) 96053/96053 73713/73713

Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

86016/86016

70898/70898

2.81/2.81

20.70

3.22/3.22

17.60

### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps) 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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822258 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWPH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

15.30

4.36/4.36

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Fluid Flow Rate (gpm)

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53

20.90

86016/86016

3.22/3.22

17.60

### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh)

70898/70898 30384/30384 Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822261 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWRB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing: B = = 14

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	44782/44782	30182/30182		
Cooling EER Rating (Btuh/watt)	13.28/13.28	14.68/14.68		
Cooling Fluid Flow Rate (gpm)	12.10	8.00		
Heating Capacity (Btuh)	96053/96053	73713/73713		
Heating Cop (watt/watt)	3.99/3.99	5.53/5.53		
Heating Fluid Flow Rate (gpm)	20.90	15.30		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	48967/48967	32706/32706		
Cooling EER Rating (Btuh/Watt)	18.75/18.75	22.05/22.05		
Cooling Fluid Flow Rate (gpm)	12.10	9.30		
Heating Capacity (Btuh)	86016/86016	34387/34387		
Heating COP (watt/watt)	3.22/3.22	4.36/4.36		
Heating Fluid Flow Rate (gpm)	17.60	11.50		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	44726/44726	31403/31403		
Cooling EER Rating (Btuh/Watt)	13.95/13.95	18.72/18.72		
Cooling Fluid Flow Rate (gpm)	12.00	8.10		
Heating Capacity (Btuh)	70898/70898	30384/30384		
Heating COP (watt/watt)	2.81/2.81	3.87/3.87		
Heating Fluid Flow Rate (gpm)	20.70	9.80		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



20.70

AHRI Certified Reference Number: 207822262 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2BWRH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing: Dort Loads

time party testing.	Full Load	Part Load1	Part Load2	Part Load3	
Air Flow Rate - Cooling: Air Flow Rate - Heating:					
WLHP (Water-Loop Heat Pumps) 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)	44782/44782 13.28/13.28 12.10 96053/96053 3.99/3.99 20.90	30182/30182 14.68/14.68 8.00 73713/73713 5.53/5.53 15.30			
GWHP (Ground Water-Heat Pumps) 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)	48967/48967 18.75/18.75 12.10 86016/86016 3.22/3.22 17.60	32706/32706 22.05/22.05 9.30 34387/34387 4.36/4.36 11.50			
GLHP (Ground -Loop Heat Pumps) Cooling Capacity (Btuh) Cooling EER Rating (Btuh/Watt) Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh) Heating COP (watt/watt)	44726/44726 13.95/13.95 12.00 70898/70898 2.81/2.81	31403/31403 18.72/18.72 8.10 30384/30384 3.87/3.87			

#### Indoor Blower Motor Fan Type :

Heating Fluid Flow Rate (gpm)

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

9.80

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822299 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWBB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP (	(Water-Loop	Heat	Pumps)	

Cooling Capacity (Btuh)	44782/44782	30182/30182
Cooling EER Rating (Btuh/watt)	13.28/13.28	14.68/14.68
Cooling Fluid Flow Rate (gpm)	12.10	8.00
Heating Capacity (Btuh)	96053/96053	73713/73713
Heating Cop (watt/watt)	3.99/3.99	5.53/5.53
Heating Fluid Flow Rate (gpm)	20.90	15.30

**Full Load** 

#### **GWHP (Ground Water-Heat Pumps)**

Cooling Capacity (Btuh)	48967/48967	32706/32706
Cooling EER Rating (Btuh/Watt)	18.75/18.75	22.05/22.05
Cooling Fluid Flow Rate (gpm)	12.10	9.30
Heating Capacity (Btuh)	86016/86016	34387/34387
Heating COP (watt/watt)	3.22/3.22	4.36/4.36
Heating Fluid Flow Rate (gpm)	17.60	11.50

### **GLHP** (Ground -Loop Heat Pumps)

Cooling	Capacity (Btuh)	44726/44726	31403/31403
Cooling	EER Rating (Btuh/Watt)	13.95/13.95	18.72/18.72
Cooling	Fluid Flow Rate (gpm)	12.00	8.10
Heating	Capacity (Btuh)	70898/70898	30384/30384
Heating	COP (watt/watt)	2.81/2.81	3.87/3.87
Heating	Fluid Flow Rate (gpm)	20.70	9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822300 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWBH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling: Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps) Cooling Capacity (Btuh) Cooling EER Rating (Btuh/watt) Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh)	44782/44782 13.28/13.28 12.10 96053/96053	30182/30182 14.68/14.68 8.00 73713/73713		
Heating Cop (watt/watt) Heating Fluid Flow Rate (gpm)	3.99/3.99 20.90	5.53/5.53 15.30		
GWHP (Ground Water-Heat Pumps) 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)	48967/48967 18.75/18.75 12.10 86016/86016 3.22/3.22 17.60	32706/32706 22.05/22.05 9.30 34387/34387 4.36/4.36 11.50		
GLHP (Ground -Loop Heat Pumps) Cooling Capacity (Btuh)	44726/44726	31403/31403		
Cooling EER Rating (Btuh/Watt) Cooling Fluid Flow Rate (gpm)	13.95/13.95 12.00	18.72/18.72 8.10		
Heating Capacity (Btuh)	70898/70898	30384/30384		
Heating COP (watt/watt) Heating Fluid Flow Rate (gpm)	2.81/2.81 20.70	3.87/3.87 9.80		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

132978125646825635 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822292 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWHA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.36/4.36

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53

Heating Fluid Flow Rate (gpm) 20.90 15.30

86016/86016

3.22/3.22

17.60

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps) Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

70898/70898 30384/30384 Heating Capacity (Btuh) Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822289 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWHB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

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) 96053/96053 3.99/3.99

20.90

73713/73713 5.53/5.53 15.30

**GWHP (Ground Water-Heat Pumps)** 

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)

86016/86016 3.22/3.22

17.60

34387/34387 4.36/4.36 4.36/4.36

### **GLHP** (Ground -Loop Heat Pumps)

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)

70898/70898 2.81/2.81

20.70

30384/30384 3 87/3 87

9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822291 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWHE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

34387/34387 4.36/4.36

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/watt)

Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh) 96053/96053

73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

70898/70898 2.81/2.81

86016/86016

3.22/3.22

17.60

3 87/3 87

30384/30384

4.36/4.36

20.70

9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822290 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWHH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

#### **GWHP (Ground Water-Heat Pumps)**

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)

17.60

34387/34387 4.36/4.36 86016/86016 3.22/3.22 4.36/4.36

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/Watt)

Cooling Fluid Flow Rate (gpm)

70898/70898 30384/30384 Heating Capacity (Btuh) Heating COP (watt/watt) 2.81/2.81 3 87/3 87 Heating Fluid Flow Rate (gpm) 20.70 9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822296 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWPA

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

34387/34387 4.36/4.36 86016/86016 3.22/3.22 4.36/4.36 17.60

30384/30384

3 87/3 87

9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.

70898/70898

2.81/2.81

20.70



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822293 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWPB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

4.36/4.36

30384/30384

3 87/3 87

9.80

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

**WLHP (Water-Loop Heat Pumps)** 

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

86016/86016

70898/70898

2.81/2.81

20.70

3.22/3.22

17.60

**GWHP (Ground Water-Heat Pumps)** 

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

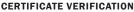
†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:

34387/34387 4.36/4.36



AHRI Certified Reference Number: 207822295 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWPE

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

Cooling EER Rating (Btuh/watt)

Cooling Fluid Flow Rate (gpm) Heating Capacity (Btuh) 96053/96053

73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

17.60

70898/70898

2.81/2.81

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps)

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)

34387/34387 4.36/4.36 86016/86016 3.22/3.22

4.36/4.36

### 20.70

3 87/3 87 9.80

30384/30384

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.:



AHRI Certified Reference Number: 207822294 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water Model Number: NETZERO22KW2CWPH

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance -- Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent,

third party testing:

**Full Load** Part Load1 Part Load2 Part Load3

Air Flow Rate - Cooling: Air Flow Rate - Heating:

#### **WLHP (Water-Loop Heat Pumps)**

Cooling Capacity (Btuh)

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

Heating Capacity (Btuh) 96053/96053 73713/73713 Heating Cop (watt/watt) 3.99/3.99 5.53/5.53 Heating Fluid Flow Rate (gpm) 20.90 15.30

#### **GWHP (Ground Water-Heat Pumps)**

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)

**GLHP** (Ground -Loop Heat Pumps) 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)

70898/70898 2.81/2.81

86016/86016

3.22/3.22

17.60

20.70

3 87/3 87 9.80

4.36/4.36

30384/30384

34387/34387 4.36/4.36

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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.ahridirectory.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.



The information for the model cited on this certificate can be verified at www.ahridirectory.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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING. & REFRIGERATION INSTITUTE

we make life better™

132978123083823417 CERTIFICATE NO.:



AHRI Certified Reference Number: 207822297 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO22KW2CWRB

**Brand Name: GeoSmart Energy** 

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

	Full Load	Part Load1	Part Load2	Part Load3
Air Flow Rate - Cooling:				
Air Flow Rate - Heating:				
WLHP (Water-Loop Heat Pumps)				
Cooling Capacity (Btuh)	44782/44782	30182/30182		
Cooling EER Rating (Btuh/watt)	13.28/13.28	14.68/14.68		
Cooling Fluid Flow Rate (gpm)	12.10	8.00		
Heating Capacity (Btuh)	96053/96053	73713/73713		
Heating Cop (watt/watt)	3.99/3.99	5.53/5.53		
Heating Fluid Flow Rate (gpm)	20.90	15.30		
GWHP (Ground Water-Heat Pumps)				
Cooling Capacity (Btuh)	48967/48967	32706/32706		
Cooling EER Rating (Btuh/Watt)	18.75/18.75	22.05/22.05		
Cooling Fluid Flow Rate (gpm)	12.10	9.30		
Heating Capacity (Btuh)	86016/86016	34387/34387		
Heating COP (watt/watt)	3.22/3.22	4.36/4.36		
Heating Fluid Flow Rate (gpm)	17.60	11.50		
GLHP (Ground -Loop Heat Pumps)				
Cooling Capacity (Btuh)	44726/44726	31403/31403		
Cooling EER Rating (Btuh/Watt)	13.95/13.95	18.72/18.72		
Cooling Fluid Flow Rate (gpm)	12.00	8.10		
Heating Capacity (Btuh)	70898/70898	30384/30384		
Heating COP (watt/watt)	2.81/2.81	3.87/3.87		
Heating Fluid Flow Rate (gpm)	20.70	9.80		

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.abridirectory.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.



The information for the model cited on this certificate can be verified at <a href="https://www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 2002222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

**CERTIFICATE NO.:** 



AHRI Certified Reference Number: 207822298 Date: 05-23-2022 Model Status: Active

Old AHRI Reference Number:

Product: Water-to-Water and Brine-to-Water
Model Number: NETZERO22KW2CWRH

Brand Name: GeoSmart Energy

Rated as follows in accordance with the latest edition of ANSI/AHRI/ASHRAE/ISO 13256-2 Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Part Load1

Part Load2

Part Load3

Air Flow Rate - Cooling:
Air Flow Rate - Heating:

WLHP (Water-Loop H	leat Pumps)
--------------------	-------------

Cooling Capacity (Blun) 44782/44782 3018	2/30182
Cooling EER Rating (Btuh/watt) 13.28/13.28 14.68	3/14.68
Cooling Fluid Flow Rate (gpm) 12.10 8.00	
Heating Capacity (Btuh) 96053/96053 7371	3/73713
Heating Cop (watt/watt) 3.99/3.99 5.53/	5.53
Heating Fluid Flow Rate (gpm) 20.90 15.30	)

**Full Load** 

### **GWHP** (Ground Water-Heat Pumps)

Cooling Capacity (Btuh)	48967/48967	32706/32706
Cooling EER Rating (Btuh/Watt)	18.75/18.75	22.05/22.05 (R)
Cooling Fluid Flow Rate (gpm)	12.10	9.30
Heating Capacity (Btuh)	86016/86016	34387/34387
Heating COP (watt/watt)	3.22/3.22	4.36/4.36
Heating Fluid Flow Rate (gpm)	17.60	11.50

### **GLHP** (Ground -Loop Heat Pumps)

Cooling Capacity (Btuh)	44726/44726	31403/31403
Cooling EER Rating (Btuh/Watt)	13.95/13.95	18.72/18.72
Cooling Fluid Flow Rate (gpm)	12.00	8.10
Heating Capacity (Btuh)	70898/70898	30384/30384
Heating COP (watt/watt)	2.81/2.81	3.87/3.87
Heating Fluid Flow Rate (gpm)	20.70	9.80

#### Indoor Blower Motor Fan Type :

Sold In? : USA, Canada

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### 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.ahridirectory.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 <a href="www.ahridirectory.org">www.ahridirectory.org</a>, 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.

© 200222Air-Conditioning, Heating, and Refrigeration Institute

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.: