

Listing Constructional Data Report (CDR)

1.0 Reference and Address

| | | | | | |
|---------------|---|------------------|-------------|----------|-------------|
| Report Number | 101576014CRT-001 | Original Issued: | 27-May-2014 | Revised: | 22-May-2019 |
| Standard(s) | <p>Gas-Fired Water Heaters, Volume III, Storage Water Heaters With Input Ratings Above 75,000 Btu Per Hour, Circulating And Instantaneous [ANSI Z21.10.3:2017 Ed.8]</p> <p>Gas Water Heaters - Volume III, Storage Water Heaters, With Input Ratings Above 75,000 Btu Per Hour, Circulating And Instantaneous [CSA 4.3:2017 Ed.8]</p> | | | | |

| | | | |
|-----------|--|----------------|---|
| Applicant | Kiturami Co., Ltd | Manufacturer 1 | Kiturami Co., Ltd |
| Address | 1094, Hwagok- 6 Dong, Kangseo-Gu, Seoul | Address | 34, Wolgok 2-Gil Cheongdo-eup, Cheongdo-gun Gyeongsangbuk-do |
| Country | Republic of Korea | Country | Republic of Korea |
| Contact | JEONG EUNCHAN | Contact | Jung Myang Su |
| Phone | 82.2.2600.9661 | Phone | 82.54.370.9012 |
| FAX | 82.2.2600.9668 | FAX | 82.54.371.9005 |
| Email | 69ec@ishinsung.com | Email | jungmyangsu@krb.co.kr |

| | |
|----------------|--|
| Manufacturer 2 | Kiturami Co., Ltd |
| Address | 1, Dongsan-ri, Tangjeong-myeon, Asan-si, Chungcheongnam-do. |
| Country | South Korea |
| Contact | Kang Chaan |
| Phone | 82.41.530.3573 |
| FAX | NA |
| Email | kca1614@krb.co.kr |

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

| | |
|--------------|--|
| BASIC LISTEE | Kiturami Co., Ltd |
| Address | 1094, Hwagok- 6 Dong, Kangseo-Gu, Seoul |
| Country | Republic of Korea |
| Product | Gas-fired Instantaneous Water Heater |

| | |
|-------------------|--|
| MULTIPLE LISTEE 1 | Noritz America Corporation |
| Address | 11160 Grace Ave. Fountain Valley, CA 92708 |
| Country | USA |
| Brand Name | Noritz |

| | |
|-------------------------|--|
| ASSOCIATED MANUFACTURER | All manufacturers shown in Section 1.0 |
| Address | |
| Country | |

| MULTIPLE LISTEE 1 MODELS | BASIC LISTEE MODELS |
|--------------------------|---------------------|
| NRCP982-DV | KGWH-180FR |
| NRCP 98-DV | |
| NRCP1112-DV | KGWH-190FR |
| NRCP 111-DV | |

| | |
|-------------------|--|
| MULTIPLE LISTEE 2 | HTP, Inc |
| Address | PO Box 429, 120 Braley Road, East Freetown, MA 02717 |
| Country | USA |
| Brand Name | Hydra Smart, Westinghouse |

| | |
|-------------------------|--|
| ASSOCIATED MANUFACTURER | All manufacturers shown in Section 1.0 |
| Address | |
| Country | |

| MULTIPLE LISTEE 2 MODELS | BASIC LISTEE MODELS |
|--|---------------------|
| RTP-199, RTP-199LP | KGWH-190FR |
| Westinghouse WGRTPNG199, WGRTPLP199 | |

| | |
|-------------------|--|
| MULTIPLE LISTEE 3 | |
| Address | |
| Country | |
| Brand Name | |

| | |
|-------------------------|--|
| ASSOCIATED MANUFACTURER | |
| Address | |
| Country | |

| MULTIPLE LISTEE 3 MODELS | BASIC LISTEE MODELS |
|--------------------------|---------------------|
| | |

Certificate of Product Ratings

AHRI Certified Reference Number : 7432741

Date : 09-02-2020

Model Status : Active

Brand Name : NORITZ

Model Number : **NRCP1112-DV-NG**

Rated as follows in accordance with Department of Energy (DOE) Water Heater test procedures as published in the latest edition of the Code of Federal Regulations, 10 CFR Part 430 and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Max GPM : 5.7

Uniform Energy Factor : 0.94

The following data is for reference only and is not certified by AHRI

Energy Source : Natural Gas

Heater Type : Instantaneous

Usage Bin : High Usage

Nominal Capacity (gal) : 0

DOE Rated Storage Volume (gal) : 1

Input (MBtu/h) : 199.0

Recovery Efficiency, (%) : 99

Heat Traps : No



†"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.

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.

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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.

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CERTIFICATE NO.:

132435345491657162

Certificate of Product Ratings

AHRI Certified Reference Number : 7432744

Date : 09-02-2020

Model Status : Active

Brand Name : NORITZ

Model Number : **NRCP1112-DV-LP**

Rated as follows in accordance with Department of Energy (DOE) Water Heater test procedures as published in the latest edition of the Code of Federal Regulations, 10 CFR Part 430 and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Max GPM : 5.7

Uniform Energy Factor : 0.94

The following data is for reference only and is not certified by AHRI

Energy Source : Propane Gas

Heater Type : Instantaneous

Usage Bin : High Usage

Nominal Capacity (gal) : 0

DOE Rated Storage Volume (gal) : 1

Input (MBtu/h) : 199.0

Recovery Efficiency, (%) : 99

Heat Traps : No



†"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.

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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.

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CERTIFICATE NO.:

132435345647183324

IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org



CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: October 2015

Void After: October 2016

Product: Water Heaters (Tankless)

File No. 8991

Issued To: Kiturami
396, Gonghang-daero
Gangseo-gu, Seoul
157-927
,
Korea

Identification: Manufacturer's name or trademark, model number, fuel gas rating or electrical power rating and cUPC® certification mark. cUPC® certification mark located so as to be visible after installation.

Characteristics: Instantaneous water heaters designed to be installed at the point of use. Those models with no storage or with a storage tank 3" in diameter or less do not require a pressure relief device. Units are equipped with controls so that electrical power or fuel gas input is supplied only at those times when hot water is drawn from the heater. To be installed in accordance with the manufacturer's instructions and the provisions of the latest edition of the Uniform Plumbing Code.

Each tankless water heater product is to be installed with a category III listed vent that complies to the latest edition of the Uniform Plumbing Code particularly section 514.3.


Chairman, Product Certification Committee


CEO, The IAPMO Group



This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Page 2

Void After: October 2016

Product: Water Heaters (Tankless)

File No. 8991

Issued To: Kiturami

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)

National Plumbing Code of Canada

Products are in compliance with the following standard(s):

ANSI Z21.10.3-2013/CSA 4.3-2013



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Page 3

Void After: October 2016

Product: Water Heaters (Tankless)

File No. 8991

Issued To: Kiturami

MODELS:

| <u>Model No.</u> | <u>Description</u> |
|------------------|-------------------------------------|
| KGWH-180FR | Gas-Fire Instantaneous Water Heater |
| KGWH-190FR | Gas-Fire Instantaneous Water Heater |



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Page 4

Void After: October 2016

Product: Water Heaters (Tankless)

File No. 8991

Issued To: Kiturami

ADDITIONAL COMPANY INFO:

Noritz America Corporation

| <u>Model No.</u> | <u>Description</u> |
|------------------|-------------------------------------|
| NRCP 982-DV | Gas-Fire Instantaneous Water Heater |
| NRCP 1112-DV | Gas-Fire Instantaneous Water Heater |

| South Coast Air Quality Management District (SCAQMD) RULE 1146.2 - EMISSIONS OF OXIDES OF NITROGEN FROM LARGE WATER HEATERS AND SMALL BOILERS AND PROCESS HEATERS LIST OF CERTIFIED UNITS PURSUANT TO RULE 1146.2 (Updated October 30, 2014) NOTE: The SCAQMD does not endorse or warrant any specific product or manufacturer | | | | |
|---|---|--|--|---|
| Company/Brand Name | Type 2 (> 400,000–2,000,000 BTU/HR) (Complies with 14 ng/J or 20 ppm NOx @ 3% O2) | Type 1 (< 400,000 BTU/HR) (Complies with 14 ng/J or 20 ppm NOx @ 3% O2) | Type 1 (< 400,000 BTU/HR) (Complies with 40 ng/J or 55 ppm NOx @ 3% O2) (Certification expires 12/31/2011, Except for Pool Heaters) (Self-through until 12/31/2012, Except for Pool Heaters) | CONTACT Phone/E-mail/Web |
| Lochinvar-1 | Power-Fin: P(B,F)N0501, P(B,F)N0751, P(B,F)N1001, P(B,F)N1300, P(B,F)N0502, P(B,F)N0752, P(B,F)N1002, P(B,F)N1302, P(B,F)N1501, P(B,F)N1701, P(B,F)N2001 Intelli-Fin: (B,W)N1500, (B,W)N1700, (B,W)N2000 Copper-Fin: C(B,W)N0495, C(B,W)N0645, C(B,W)N0745, C(B,W)N0896, C(B,W)N1256, C(B,W)N1436, C(B,W)N1736, C(B,W)N2066, C(H,F,P)N0401, C(H,F,P)N0501, C(H,F,P)N0651, C(H,F,P)N0751, C(H,F,P)N0991, C(H,F,P)N1261, C(H,F,P)N1441, C(H,F,P)N1801, C(H,F,P)N2071 <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Knight: KBN080, KBN081, KBN105, KBN106, KBN150, KBN151, KBN210, KBN211, KBN285, KBN286, KBN399, KBN400, WAN125PM, Armor: AWN150PM, AWN151PM, AWN199PM, AWN200PM, AWN285PM, AWN286PM, WAN200PM Armor: AWN399PM, AWN400PM Shield: SNR150-100, SNR200-100, SNA285-125, SNA400-125, SNA500-125, SNR126-065, SNR151-100, SNA151-100, SNR201-100, SNA201-100, SNA286-125, SNA401-125, SNA501-125 Wall Hung: WHN055, WHN085, WHN110, WHN155, WHN199, WHN285, WHN399 Discontinued Models: WBN050, WBN051, WBN080, WBN081, WBN105, WBN106, WBN150, WBN151, WBN210, WBN211 <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Efficiency Plus Group: EW(N,L)150, 200, 250, 300, EnergyRite: ERN (152, 202, 252, 302, 402), ERL (152, 202, 252, 302, 402) ETN076, CNR080-076, DVN076-2, STN100, STN076-2, ETN100, ETN100-2, CNR085-100, CNR125-075-DF9-SC, CNR155-035-DF9-SC, CNR160-075-DF9-SC, CNR180-080-DF9-SC, CNR200-080-DF9-SC, CNR200-100-DF9-SC, CNR250-100-DF9-SC, CNA251-100-DF9-SC, CNR300-075-DF9-SC, CNA301-075-DF9-SC, CNR370-065-DF9-SC, CNA371-065-DF9-SC, CNR119-100-DF9-2SC, CNR400-080-DF9-2-SC, CNA401-080-DF9-2-SC, DNA301-080-SC, DNA361-100-SC, PNR150-080-SC, PNR200-080-SC, PNR250-080-SC, PNR150-100-SC, PNR200-100-SC, PNR250-100-SC, TNR125-060, TNA126-060, TNR150-060, TNA151-060, TNR200-060, TNA201-060, TNR150-100, TNA151-100, TNR200-100, TNA201-100, TNR250-100, TNA251-100, TNR300-100, TNA301-100, TNR400-100, TNA401-100 Discontinued Models: ERLN 401, ERLN 301, ERLN 251, ERLN 201, ERLN 151, ERLN 150, 200, 250, 300 <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Lisa Davis 615-889-8900 x2229 |
| Lochinvar-2 | Copper-Fin: C(B,W)N0497, C(B,W)N0647, C(B,W)N0747, C(B,W)N0897, C(B,W)N1257, C(B,W)N1437, C(B,W)N2067, C(H,F,P)N0402, C(H,F,P)N0502, C(H,F,P)N0652, C(H,F,P)N0752, C(H,F,P)N0992, C(H,F,P)N1262, C(H,F,P)N1442, C(H,F,P)N1802, C(H,F,P)N2072 (BY EXT-10-27-10) Knight: KBN500, KBN501, OKN501 Knight XL: KBN600, KBN601, OKN601, KBN700, KBN701, OKN701, KBN800, KBN801, OKN801 Sync: SBN1000, SBN1300, SBN1500 Armor: AWN500PM, AWN 501PM, OAN501PM Armor XL: AWN600, AWN601PM, OAN601PM, AWN700, AWN701, OAN701PM, AWN800, AWN801, OAN801PM Armor X2: AWN1000PM, AWN1300PM, AWN1500PM Shield: SNA500-125 Crest: FBN1500, FBN2000, FBD1500, FBD2000 <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Knight: KBN080, KBN081, KBN105, KBN106, KBN150, KBN151, OKN151, KBN210, KBN211, OKN211, KBN285, KBN286, OKN286, KBN399, KBN400, OKN400 Knight Wall Mount: WBN050, WBN051, WBN080, WBN081, WBN105, WBN106, WBN150, WBN151, WBN210, WBN211 Armor: AWN500PM, AWN151PM, OAN151PM, AWN199PM, AWN200PM, OAN200PM, AWN285PM, AWN286PM, OAN286PM, Armor: AWN399PM, AWN400PM, OAN400PM Shield: SNR150-100, SNR200-100, SNA285-125, SNA400-125, SNA500-125 Wall Hung: WHN055, WHN085, WHN110, WHN155, WHN199, WHN285, WHN399 <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Efficiency Plus Group: E(B,W)N(L)150, 200, 250, 300, EnergyRite: ERN (152, 202, 252, 302, 402), ERL (152, 202, 252, 302, 402) ETN076, CNR080-076, DVN076-2, STN100, STN076-2, ETN100, ETN100-2, CNR085-100, CNR125-075-DF9-SC, CNR155-035-DF9-SC, CNR160-075-DF9-SC, CNR180-080-DF9-SC, CNR200-080-DF9-SC, CNR200-100-DF9-SC, CNR250-100-DF9-SC, CNA251-100-DF9-SC, CNR300-075-DF9-SC, CNA301-075-DF9-SC, CNR370-065-DF9-SC, CNA371-065-DF9-SC, CNR119-100-DF9-2SC, CNR400-080-DF9-2-SC, CNA401-080-DF9-2-SC, DNA301-080-SC, DNA361-100-SC, PNR150-080-SC, PNR200-080-SC, PNR250-080-SC, PNR150-100-SC, PNR200-100-SC, PNR250-100-SC, TNR125-060, TNA126-060, TNR150-060, TNA151-060, TNR200-060, TNA201-060, TNR150-100, TNA151-100, TNR200-100, TNA201-100, TNR250-100, TNA251-100, TNR300-100, TNA301-100, TNR400-100, TNA401-100 Discontinued Models: ERLN 401, ERLN 301, ERLN 251, ERLN 201, ERLN 151 <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Lisa Davis 615-889-8900 x2229 |
| Lochinvar-3 | FTX500N, FTX600N, FTX725N, FTX850N | CLN199100 200, CLN199100 200, CLN19980 200, CLN275085 100, CLN275085A 100, CLN400085 100, CLN400085A 100, CDN040, CDN070, CDN100, CDN120, CCN120, CLN075100 100, UTN10075 100, UBZ2F7575T4NV100, CLN120080 104, CLN154080 104, CLN180100 104, CLN199100 104, CLN250100 104, CLN250100A 104, CLN275085 104, CLN275085A 104, CLN310085 104, CLN310085A 104, CLN366085 104, CLN366085A 104, CLN400085 104, CLN400085A 104, FTX400N, CLN120080 200, CLN154080 200, CLN180080 200, CLN250100 200, CLN250100A 200, CLN275100 200, CLN275100A 200, CLN310085 200, CLN310085A 200, CLN366085 200, CLN366085A 200, CLN390085 200, CLN390085A 200 | CGN075075, LTN07575, 07575ST) CGN075100, LTN10075 LVN(07580, 07580ST) CXN(120070, 155080, 180100) CXN(199100, 250100, 275100, 310085, 365085, 400085)(A) <i>Note: Additional letters and/or numbers may be placed (as suffix) to indicate trim packages and/or tracking numbers</i> | Lisa Davis 615-889-8900 x2229 |
| Marathon International | | BAXI HT 380, BAXI HT 1.330, BAXI Luna Duo Tec 40GA, BAXI Luna Duo Tec 1.330GA | | Mike Thomas 905-602-5360, 416-878-8137 |
| McKenna Boiler | MH-15; MH-20; MH-25; MH-30; MH-40; MH-50 | MH-10 | | |
| Miura Boiler West, Inc. | LX-50G, LX-50SG, LXW-50G, LXL-50G, LXL-50SG | | | Ricardo Alcatara 626-305-6622 rick.alcantara@miuraboiler.com www.miuraboiler.com |
| Monitor Products, Inc. | | | M225S, M225C, M240C, M220-40C MWH-180 (indoor), MWH-180EX (Outdoor) | Bogdan Blicharz 608-584-0505 x 21 |
| Navien, Inc. | | CR-180A NG, CR-210A NG, CR-240A NG, CR-180 NG, CR-210 NG, CR-240 NG CB-180, CB-210, CB-240 CH-180, CH-210, CH-240 CH-240 ASME CH-180 ASME, CH-210 ASME NR-180 NG, NR-180A NG, NP-180 NG, NP-180A NG, NR-210 NG, NR-210A NG, NP-210 NG, NP-210A NG, NR-240 NG, NR-240A NG, NP-240 NG, NP-240A NG NPE-180A NG, NPE-210A NG, NPE-240A NG, NPE-180S, NPE-210S, NPE-240S, NCB-180, NCB-210, NCB-240 | | Kevin Pirotn 949-420-0420 |
| Noritz America Corp. | | NR83-DVC NRC98-(OD, DV) NRC83-(OD, DV), NRC661-(OD,DV), NRC1111-(OD,DV), NCC1991-(OD,DV), NCC1992-DV, NR981-(OD,DV), NC1991-(OD,DV), NR981-SV, ENR981/30LS, ENR981/30LS, NR901-OD-NSA, NR662-OD, NSG,NRC711-DV, NRC711-OD, NRC661A-DV, NRC661A-OD, NRCP362-DV, NRCP1112-DV , NRC663-FSV | N-042, N-063, N-084, N-132, N-063S, N-069M, N-132M, N-084M, N-084-DV, N-132M, N069M-1, N069M-OD, N-063S-1, N063S-OD, N-0751M-DV NH-1501-DV, NH-2001-DV, N-0751M, N-0751M-OD, N-0631S, N-0631S-OD, N-0931M, N-0931M-DV, N-0931M-OD, N-0931M-ASME, N-0931M-DV-ASME, N-1321M-ASME, N-0531S, N-0531S-OD, N-0841 MC, N-0841 MC-DV, N-0751M-DVC, N-0842MC, N-842MC-DV NR66-SV, NR66-OD, NR71-SV, NR71-OD, NR98-SV, NR98-OD, NR98-DVC, NC199-OD, NC199-DVC, NRC111-SV, NRC111-DV, NCC199-SV, NCC199-DV, NR11-SV, NR11-OD, NR11-DV, NC250-SV-ASME, NC250-DV-ASME, NC380-SV-ASME, NH150-DV, NH199-DV (These are alternate model names of models shown above in italics) NR50-OD | Stephanie Salas 714-433-2905 x7841 Fax 714-241-1196 ssalas@noritz.com |
| Pacific Steam | BP-210, BP-300, BP-300S, BP-400, BP-500 | BP-100, BP-100S, BP-200, BP-200S, BP-200SX | | David Kang 562-906-9292 skang@pacificsteam.com |



OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of NSF/ANSI Standard 5 - Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment

This is the Official Listing recorded on January 5, 2016.

Noritz
11160 Grace Avenue
Fountain Valley, CA 92708
714-433-2905

Facility: Gyungsangbuk-do, Republic of Korea

Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment

| Model Number | BTU/KW (1000's) | Gallons/Hour Delivery at Indicated Temperature Rise | | | | | | | |
|----------------|--------------------|---|------|------|------|------|-------|-------|-------|
| | | 40°F | 50°F | 60°F | 70°F | 80°F | 100°F | 120°F | 140°F |
| NRCP1112-DV-LP | 199 BTU | 578 | 459 | 381 | 326 | 285 | 226 | 188 | 161 |
| NRCP1112-DV-NG | 199 BTU | 578 | 459 | 381 | 326 | 285 | 226 | 188 | 161 |
| NRCP982-DV-LP | 180 BTU | 526 | 420 | 348 | 299 | 261 | 210 | 174 | 148 |
| NRCP982-DV-NG | 180 BTU | 526 | 420 | 348 | 299 | 261 | 210 | 174 | 148 |

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.

| <p style="text-align: center;">South Coast Air Quality Management District (SCAQMD)</p> <p style="text-align: center;">RULE 1146.2 - EMISSIONS OF OXIDES OF NITROGEN FROM LARGE WATER HEATERS AND SMALL BOILERS AND PROCESS HEATERS</p> <p style="text-align: center;">LIST OF CERTIFIED UNITS PURSUANT TO RULE 1146.2 (Updated October 23, 2015)</p> <p style="text-align: center;">NOTE: The SCAQMD does not endorse or warrant any specific product or manufacturer</p> | | | | |
|---|---|--|---|--|
| Company/Brand Name | Type 2 (> 400,000–2,000,000 BTU/HR) (Complies with 14 ng/J or 20 ppm NOx @ 3% O2) | Type 1 (≤ 400,000 BTU/HR) (Complies with 14 ng/J or 20 ppm NOx @ 3% O2) | Type 1 (≤ 400,000 BTU/HR) (Complies with 40 ng/J or 55 ppm NOx @ 3% O2) (Certification expires 12/31/2011, Except for Pool Heaters) (Sell-through until 12/31/2012, Except for Pool Heaters) | CONTACT Phone/E-mail/Web |
| Noritz America Corp. | | <p>NR83-DVC NRC98-(OD, DV) NRC23-(OD, DV), NRC661-(OD,DV), NRC1111-(OD,DV), NCC1991-(OD,DV), NCC1992-DV, NR981-(OD,DVC), NC1991-(OD,DVC), NR981-SV, EN18W130LS, EN19W130LS, NR501-OD NGA, NR662-OD NGA,NRC711-DV, NRC711-OD, NRC661A-DV, NRC661A-OD, NRC982-DV, NRC9112-DV, NRC663-FSV FFW198XNRQ, FFW171XNRQ, FFW698XNRQ, FFW666XNRQ, CB199-DV, CB180-DV, CB140-DV</p> | <p>N-042, N-063, N-084, N-132, N-063S, N-069M, N-132M, N-084M, N-084-DV, N-132M, N069M-1, N069M-OD, N-063S-1, N063S-OD, N-0751M-DV</p> <p><i>NH-1501-DV, NH-2001-DV, N-0751M, N-0751M-OD, N-0631S, N-0631S-OD, N-0931M, N-0931M-DV, N-0931M-OD, N-0931M-ASME, N-1321M-ASME, N-0631S, N-0631S-OD, N-0841 MC, N-0841 MC-DV, N-0751M-DVC, N-0842MC, N-842MC-DV</i></p> <p>NR66-SV, NR66-OD, NR71-SV, NR71-OD, NR98-SV, NR98-OD, NR98-DVC, NC199-OD, NC199-DVC, NRC111-SV, NRC111-DV, NCC199-SV, NCC199-DV, NR111-SV, NR111-OD, NR111-DV, NC250-SV-ASME, NC250-DV-ASME, NC380-SV-ASME, NH150-DV, NH199-DV (These are alternate model names of models shown above in italics)</p> <p>NR50-OD</p> | <p>Stephanie Salas 714-433-2905 x7841 Fax 714-241-1196 ssalas@noritz.com</p> |
| Pacific Steam | BP-210, BP-300, BP-300S, BP-400, BP-500 | BP-100, BP-100S, BP-200, BP-200S, BP-200SX | | <p>David Kang 562-906-9292 skang@pacificsteam.com</p> |
| Parker Boiler Company | <p>103-15L, 103-20L, 103-25L, 15L, 15LR, 20L, 20LR, 25L, 25LR, 30LR, 40LR, 70LR, HT432L, WH480L, WH480LR, T490L, T490LR, HT528L, T600L, T600LR, WH600L, WH600LR, HT672L, WH730L, WH730LR, T760L, T760LR, HT864L, T970L, T970LR, WH970L, WH970LR, HT1008L, WH1210L, WH1210LR, HT1296L, WH1410L, WH1410LR, T1460L, T1460LR, HT1536L, T1730L, T1730LR, WH1900L, WH1900LR, HT1920L, T2160L (1990), WH2270L (1990), WH2270LR (1990), HT2304L (1990), T2600L (1990), T2600LR (1990), HT2640L (1990), WH2650 (1990), WH2650L (1990), WH2650LR (1990), T2970L (1990), HT3500L (1990), WH3000LR (1990), HT3120L (1990), HT3456L (1990), T3600L (1990), T3900 (1990), HT4032L (1990), T4600L (1990), T1995LR, T1140LR, T1995L, 30L, 40L, 70L, 48L, G672LR, G72LR, G1008R, G1008RL, G1536R, G1536RL, G2304R, G2304RL, T1140L</p> <p>TC150, TC150L, TC210, TC210L, TC350, TC350L, TC600, TC600L</p> | <p>103-9.5L, 9.5L, 9.5LR, HT180L, HT247L, T300LR, T395L, T395LR, WH395LR, HT395L, HT126L, WH395L, T300L, WH300L</p> | <p>3LA, 7LA, 9.5LA</p> | <p>Greg Danenhauer (323) 727-9800 www.parkerboiler.com</p> |
| Paloma (Paloma Industries, Inc), Paloma Ecosense Raypak Rheem Rheem-Ruud | | <p>Paloma:PH2-25R DVSN, PH2-25R OFN, PH2-20R DVSN, PH2-20R OFN, PHH-32RDVSN, PHH-32ROFN, PH2-28RDVSLN, PH2-28ROFLN, PH2-(25RDVSLN, 25ROFLN, 20RDVSLN, 20ROFLN, PHH-(32RDVSLN, 32ROFLN, 25RDVSLN, 25ROFLN), PHH-28RDVSLN, PHH-28ROFN, PH2-25RDVSLN-1, PH2-25ROFLN-1, PH2-20RDVSLN-1, PH2-20ROFLN-1</p> <p>Ecosense:ECO180DVN3, ECO180XN3, ECO150DVN3, ECO150XN3, ECOH200DVN, ECOH200XN, ECOH200, ECOH200XN, ECO200DVLN3, ECO200XLN3</p> <p>ECO180DVLN3, 180XLN3, 150DVLN3, 150XLN3), ECOH(200DVLN, 200XLN, 160DVLN, 160XLN), ECOH180DVLN, ECOH180XLN, ECO200DVLN3-1, ECO180DVLN3-1, ECO150DVLN3-1, ECO200XLN3-1, ECO180XLN3-1, ECO150XLN3-1</p> <p>Raypak:209BDVN, 209XN,NH-209DVN, NH-209XN,NH-188DVN, NH-188XN, NH-208DVLN, NH-208XN, NH-(188DVLN, 188XLN), NH-(209DVLN, 209XLN), NH-(159DVLN, 159XLN), NH-208DVLN-1, NH-188DVLN-1, NH-208XLN-1, NH-188XLN-1</p> <p>Rheem:RTG-84DVN, RTG-84XN, RTG-64DVN, RTG-64XN, RTGH-95DVN, RTGH-95XN, RUTGH-95DVN, RUTGH-95XN</p> <p>RTG-95DVLN, RTG-95XLN</p> <p>RTG-(84DVLN, 84XLN, 64DVLN, 64XLN), RTGH-(95DVLN, 95XLN), RTGH-(84DVLN, 84XLN), RTGH-90DVLN, RTGH-90XLN, RTG-95DVLN-1, RTG-84DVLN-1, RTG-64DVLN-1, RTG-95XLN-1, RTG-84XLN-1, RTG-64XLN-1</p> <p>Rheem-Ruud:GT-180DVN, GT-180XN</p> | <p>Paloma:PH-16FSN, PTG-42PVN, PH-28RIFSN, PH-28ROFN, PTG-74PVN, PTG-74XN, PH-28CIFSN, PH-28COFN, PH-28 R DVSN, PH-28 C DVSN, PTG-74DVN, PTG2-42PVN, PTG-53PVN, PTG-53XN, PTG-53DVN, PH-16FSN, PH-20R IFSN, PH-20R OFN, PH-20R DVSN, PH-25R DVSN, PH-25R OFN, PH2-28R DVSN, PH2-28R OFN</p> <p>PHH-25RDVSN, PHH-25ROFN</p> <p><i>(Also certified equivalent trade brand WaiWai, EcoSense, Rheem, Ruud, Richmond, Raypak, Sure Comfort)</i></p> <p>Ecosense: ECOH180DVN, ECOH160XN (equivalent from Paloma)</p> <p>Raypak: 159DVN, 159XN (equivalent from Paloma),NH-159DVN, NH-159XN,NH-208DVN, NH-208XN</p> <p>Rheem: RTG-16PVN, RTG-42PVN, RTG-74PVN, RTG-74XN, GT-199PV-N, GT-199X-N, RTG-74DVN, GT-199DV-N, RTG2-42PVN, RTG-53PVN, RTG-53XN, RTG-53DVN, RTGL74DVN, RTGL74PVN, RTGL74XN, RTG-66XN, RTG-66DVN, RTG-66XN, RTG-95DVN, RTG-95XN</p> <p>RTGH-84DVN, RTGH-84XN (equivalent from Paloma)</p> <p>Rheem-Ruud: GT-199PV-N, GT-199X-N, GT-199DV-N, GT-200DVN, GT-200XN</p> | <p>Hadi Takeuchi 805-278-5499</p> |
| Paloma (Paloma Industries, Inc), Richmond Ruud SureComfort WaiWai | | <p>Richmond:RMTG84DVN, RMTG84XN, RMTG64DVN, RMTG64XN, RMTGH95DVN, RMTGH95XN,RMTGH95DVN, RMTGH95XN, RMTG95DVLN, RMTG95XLN</p> <p>RTMG-(84DVLN, 84XLN, 64DVLN, 64XLN), RMTGH-(95DVLN, 95XLN), RMTGH-(84DVLN, 84XLN), RMTGH90DVLN, RMTGH90XLN, RMTG-95DVLN-1, RMTG-95DVLN-1, RMTG-64DVLN-1, RMTG-95XLN-1, RMTG-84XLN-1, RMTG-64XLN-1</p> <p>Ruud:RTG-84DVN, RUTG-84XN, RUTG-64DVN, RUTG-64XN, RUTGH-95DVN, RUTGH-95XN, RUTG-95DVLN, RUTG-95XLN</p> <p>RTG-(84DVLN, 84XLN, 64DVLN, 64XLN), RUTGH-(95DVLN, 95XLN), RUTGH-(84DVLN, 84XLN), RUTGH90DVLN, RUTGH90XLN, RUTG-95DVLN-1, RUTG-84DVLN-1, RUTG-64DVLN-1, RUTG-95XLN-1, RUTG-84XLN-1, RUTG-64XLN-1</p> <p>SureComfort: SCT180DVN, SCT180XN, SCT150DVN, SCT150XN, SCTH200DVN, SCTH200XN, SCT200DVLN, SCT200XLN, SCT(180DVLN, 180XLN, 150DVLN, 150XLN), SCTH(200DVLN, 200XLN), SCTH(160DVLN, 160XLN)</p> <p>WaiWai: PH2-25R DVSN, PH2-25R OFN, PH2-20R DVSN, PH2-20R OFN, PHH-32RDVSN, PHH-32ROFN, PHH-32RDVSN, PHH-32ROFN, PH2-28RDVSLN, PH2-28ROFLN</p> <p>PH2-(25RDVSLN, 25ROFLN, 20RDVSLN, 20ROFLN), PHH-(32RDVSLN, 32ROFLN), PHH-(25RDVSLN, 25ROFLN), PHH29RDVSLN, PHH29ROFLN</p> <p>PH2-28RDVSLN-1, PH2-25RDVSLN-1, PH2-20RDVSLN-1, PH2-28ROFLN-1, PH2-25ROFLN-1, PH2-20ROFLN-1</p> | <p>Richmond: RMTG-42PVN, RMTG-74PVN, RMTG-74XN, RMTG-74DVN, RMTG2-42PVN, RMTG-53PVN, RMTG-53XN, RMTG-53DVN, RMTG-66DVN, RMTG-66XN, RMTG95DVN, RMTG95XN</p> <p>RMTGH84DVN, RMTGH84XN (equivalent from Paloma)</p> <p>Ruud: RTG-42PVN, RUTG-74PVN, RUTG-74XN, GT-199DV-N, GT-199PV-N, GT-199X-N, RUTG2-42PVN, RUTG-53PVN, RUTG-53XN, RUTG-53DVN, RUTGL74DVN, RUTGL74PVN, RUTGL74XN, RUTG-66DVN, RUTG-66XN, RUTG-95DVN, RUTG-95XN</p> <p>RUTGH-84DVN, RUTGH-84XN (equivalent from Paloma)</p> <p>SureComfort: SCT200DVN, SCT200XN</p> <p>SCTH160DVN, SCTH160XN (equivalent from Paloma)</p> <p>WaiWai: PH-28RIFSN, PH-28ROFN, PH-28CIFSN, PH-28COFN, PH-28 R DVSN, PH-28 C DVSN, PH-16FSN, PH-20R IFSN, PH-20R OFN, PH-20R DVSN, PH-25R DVSN, PH25R OFN, PH2-28R DVSN, PH2-28R OFN</p> <p>PHH-25RDVSN, PHH-25ROFN (equivalent from Paloma)</p> | <p>Hadi Takeuchi 805-278-5499</p> |