

Residential HPWH Qualified Product List

for

A Specification for Residential, Commercial - Multifamily, and Industrial Water Heaters and Heating Systems

Advanced Water Heating Specification

Version 8.0

Chapter 2: Residential Single Family (Unitary and Split-System) Water Heaters



Update 9/15/2023

Resources

Advanced Water Heating Specification

<https://neea.org/resources/advanced-water-heating-specification-v8.0>

Residential Unitary Heat Pump Water Heater Qualified Products List

Location of current version of this document on the web

<https://neea.org/resources/residential-unitary-hpwh-qualified-products-list>

Residential Unitary HPWH Product Assessment Datasheet

<https://neea.org/resources/residential-unitary-hpwh-product-assessment-datasheet>

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------|---------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| Tier 4 | | | | | | | | |
| A. O. Smith | HPS10-50H45DV 2** | 50 | 2-3 | 3.4 | 3.80 | Yes | No | 6/16/22 |
| A. O. Smith | HPS10-66H45DV 2** | 66 | 3 | 3.5 | 3.70 | Yes | No | 6/16/22 |
| A. O. Smith | HPS10-80H45DV 2** | 80 | 4+ | 3.4 | 3.88 | Yes | No | 6/16/22 |
| A. O. Smith | HPTS-50 2** | 50 | 2-3 | 3.4 | 3.80 | Yes | No | 6/16/22 |
| A. O. Smith | HPTS-66 2** | 66 | 3 | 3.5 | 3.70 | Yes | No | 6/16/22 |
| A. O. Smith | HPTS-80 2** | 80 | 4+ | 3.4 | 3.88 | Yes | No | 6/16/22 |
| American | HPS10250H045DV 2** | 50 | 2-3 | 3.4 | 3.80 | Yes | No | 6/16/22 |
| American | HPS10266H045DV 2** | 66 | 3 | 3.5 | 3.70 | Yes | No | 6/16/22 |
| American | HPS10280H045DV 2** | 80 | 4+ | 3.4 | 3.88 | Yes | No | 6/16/22 |
| American Standard | ASHPWH-50 | 50 | 2 | 3.2 | 3.75 | Yes | No | 1/1/23 |
| American Standard | ASHPWH-50-JA13 | 50 | 2 | 3.2 | 3.75 | Yes | No | 1/1/23 |
| American Standard | ASHPWH-65 | 65 | 3 | 3.0 | 3.85 | Yes | No | 9/8/23 |
| American Standard | ASHPWH-65-JA13 | 65 | 3 | 3.0 | 3.85 | Yes | No | 9/8/23 |
| American Standard | ASHPWH-80 | 80 | 4 | 3.1 | 4.01 | Yes | No | 1/1/23 |
| American Standard | ASHPWH-80-JA13 | 80 | 4 | 3.1 | 4.01 | Yes | No | 1/1/23 |
| Bradford White | RE2H50S10-1NCTT-CON | 50 | 2-3 | 3.0 | 3.44 | Yes | No | 1/13/23 |
| Bradford White | RE2H65T10-1NCTT-CON | 65 | 3 | 3.2 | 3.64 | Yes | No | 1/13/23 |
| Bradford White | RE2H80T10-1NCTT-CON | 80 | 4+ | 3.2 | 3.59 | Yes | No | 1/13/23 |
| Direct Energy | ECEPH40 T2 RH375-15 | 40 | 2 | 3.1 | 3.45 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH40 T2 RH375-30 | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH40 T2 RH375-SO | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH50 T2 RH375-15 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH50 T2 RH375-30 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH50 T2 RH375-SO | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH65 T2 RH375-15 | 65 | 2-3 | 3.2 | 3.55 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH65 T2 RH375-30 | 65 | 2-3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH65 T2 RH375-SO | 65 | 2-3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH80 T2 RH375-15 | 80 | 4 | 3.2 | 3.70 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH80 T2 RH375-30 | 80 | 4 | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Direct Energy | ECEPH80 T2 RH375-SO | 80 | 4 | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Lochinvar | HPSA050KD 2** | 50 | 2-3 | 3.4 | 3.80 | Yes | No | 6/16/22 |
| Lochinvar | HPSA065KD 2** | 66 | 3 | 3.5 | 3.70 | Yes | No | 6/16/22 |
| Lochinvar | HPSA080KD 2** | 80 | 4+ | 3.4 | 3.88 | Yes | No | 6/16/22 |
| Reliance | 10-50-DHPTS 2** | 50 | 2-3 | 3.4 | 3.80 | Yes | No | 6/16/22 |
| Reliance | 10-66-DHPTS 2** | 66 | 3 | 3.5 | 3.70 | Yes | No | 6/16/22 |
| Reliance | 10-80-DHPTS 2** | 80 | 4+ | 3.4 | 3.88 | Yes | No | 6/16/22 |
| Rheem | HPLD40-1RH | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Rheem | HPLD50-1RH | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem | HPLD65-1RH | 65 | 2-3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Rheem | HPLD80-1RH | 80 | 4 | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Rheem | PROPH40 T2 RH375-15 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Rheem | PROPH40 T2 RH375-30 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Rheem | PROPH40 T2 RH375-SO | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Rheem | PROPH50 T2 RH375-15 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Rheem | PROPH50 T2 RH375-30 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------------|----------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| Rheem | PROPH50 T2 RH375-SO | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Tier 4 continued | | | | | | | | |
| Rheem | PROPH65 T2 RH375-15 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Rheem | PROPH65 T2 RH375-30 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Rheem | PROPH65 T2 RH375-SO | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Rheem | PROPH80 T2 RH375-15 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Rheem | PROPH80 T2 RH375-30 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Rheem | PROPH80 T2 RH375-SO | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Rheem | XE40T10H22U0 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Rheem | XE40T10H45U0 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Rheem | XE40T10HS45U0 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Rheem | XE50T10H22U0 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Rheem | XE50T10H45U0 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Rheem | XE50T10HS45U0 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Rheem | XE65T10H22U0 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Rheem | XE65T10H45U0 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Rheem | XE65T10HS45U0 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Rheem | XE80T10H22U0 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Rheem | XE80T10H45U0 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Rheem | XE80T10HS45U0 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Rheem Canada | CPROPH40 T2 RH375-15 | 40 | 2 | 3.1 | 3.45 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH40 T2 RH375-30 | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH40 T2 RH375-SO | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH50 T2 RH375-15 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH50 T2 RH375-30 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH50 T2 RH375-SO | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH65 T2 RH375-15 | 65 | 3 | 3.2 | 3.55 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH65 T2 RH375-30 | 65 | 3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH65 T2 RH375-SO | 65 | 3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH80 T2 RH375-15 | 80 | 4+ | 3.2 | 3.70 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH80 T2 RH375-30 | 80 | 4+ | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Rheem Canada | CPROPH80 T2 RH375-SO | 80 | 4+ | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Rheem Canada | CXE40T10H22U0 | 40 | 2 | 3.1 | 3.45 | Yes | No | 10/23/20 |
| Rheem Canada | CXE40T10H45U0 | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CXE40T10HS45U0 | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CXE50T10H22U0 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CXE50T10H45U0 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CXE50T10HS45U0 | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Rheem Canada | CXE65T10H22U0 | 65 | 3 | 3.2 | 3.55 | Yes | No | 10/23/20 |
| Rheem Canada | CXE65T10H45U0 | 65 | 3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Rheem Canada | CXE65T10HS45U0 | 65 | 3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Rheem Canada | CXE80T10H22U0 | 80 | 4 | 3.2 | 3.70 | Yes | No | 10/23/20 |
| Rheem Canada | CXE80T10H45U0 | 80 | 4+ | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Rheem Canada | CXE80T10HS45U0 | 80 | 4+ | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Richmond | 10E40-HP515 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Richmond | 10E40-HP530 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------------|---------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| Richmond | 10E40-HP5S30 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Richmond | 10E50-HP515 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Tier 4 continued | | | | | | | | |
| Richmond | 10E50-HP530 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Richmond | 10E50-HP5S30 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Richmond | 10E65-HP515 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Richmond | 10E65-HP530 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Richmond | 10E65-HP5S30 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Richmond | 10E80-HP515 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Richmond | 10E80-HP530 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Richmond | 10E80-HP5S30 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Ruud | HPLD40-1RU | 40 | 2 | 3.1 | 3.75 | Yes | No | 10/23/20 |
| Ruud | HPLD50-1RU | 50 | 2-3 | 3.2 | 3.75 | Yes | No | 10/23/20 |
| Ruud | HPLD65-1RU | 65 | 3 | 3.2 | 3.85 | Yes | No | 10/23/20 |
| Ruud | HPLD80-1RU | 80 | 4+ | 3.2 | 4.00 | Yes | No | 10/23/20 |
| Ruud | PROUH40 T2 RU375-15 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Ruud | PROUH40 T2 RU375-30 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Ruud | PROUH40 T2 RU375-S0 | 40 | 2 | 3.1 | 3.83 | Yes | No | 4/23/20 |
| Ruud | PROUH50 T2 RU375-15 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Ruud | PROUH50 T2 RU375-30 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Ruud | PROUH50 T2 RU375-S0 | 50 | 2-3 | 3.2 | 3.88 | Yes | No | 4/23/20 |
| Ruud | PROUH65 T2 RU375-15 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Ruud | PROUH65 T2 RU375-30 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Ruud | PROUH65 T2 RU375-S0 | 65 | 3 | 3.2 | 4.05 | Yes | No | 4/23/20 |
| Ruud | PROUH80 T2 RU375-15 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Ruud | PROUH80 T2 RU375-30 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| Ruud | PROUH80 T2 RU375-S0 | 80 | 4+ | 3.2 | 4.07 | Yes | No | 4/23/20 |
| State | HPSX-50 DHPT 2** | 50 | 2-3 | 3.4 | 3.80 | Yes | No | 6/16/22 |
| State | HPSX-66-DHPT 2** | 66 | 3 | 3.5 | 3.70 | Yes | No | 6/16/22 |
| State | HPSX-80-DHPT 2** | 80 | 4+ | 3.4 | 3.88 | Yes | No | 6/16/22 |
| Tier 3 | | | | | | | | |
| A. O. Smith | HP10-50H45DV | 50 | 2-3 | 2.9 | 3.45 | No | No | 3/14/17 |
| A. O. Smith | HP10-50H45DV *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 3/14/17 |
| A. O. Smith | HP1050H45DVCTA 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 1/18/21 |
| A. O. Smith | HP1050H45DVDR 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 10/14/20 |
| A. O. Smith | HP10-80H45DV | 80 | 4+ | 2.9 | 3.45 | No | No | 3/14/17 |
| A. O. Smith | HP10-80H45DV *** | 80 | 4+ | 2.9 | 3.45 | No | No | 3/14/17 |
| A. O. Smith | HP1080H45DVCTA 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 1/18/21 |
| A. O. Smith | HP1080H45DVDR 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 10/14/20 |
| A. O. Smith | HPTU 50 120 | 50 | 2-3 | 2.9 | 3.42 | No | No | 6/24/16 |
| A. O. Smith | HPTU 50N *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 6/24/16 |
| A. O. Smith | HPTU 66 120 | 66 | 3 | 3.1 | 3.00 | No | No | 6/24/16 |
| A. O. Smith | HPTU 66N *** | 66 | 3 | 3.1 | 3.45 | No | No | 6/24/16 |
| A. O. Smith | HPTU 80 120 | 80 | 4+ | 2.9 | 2.73 | No | No | 6/24/16 |
| A. O. Smith | HPTU-50DR 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 10/14/20 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------------|------------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| A. O. Smith | HPTU-66CTA 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 1/18/21 |
| A. O. Smith | HPTU-66DR 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 10/14/20 |
| A. O. Smith | HPTU-80CTA 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 1/18/21 |
| Tier 3 continued | | | | | | | | |
| A. O. Smith | HPTU 80N *** | 80 | 4+ | 2.9 | 3.45 | No | No | 6/24/16 |
| A. O. Smith | HPTU-50CTA 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 1/18/21 |
| A. O. Smith | HPTU-80DR 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 10/14/20 |
| A. O. Smith | HPTV-66 2** | 66 | 4 | 2.7 | 3.20 | Yes | Yes | 7/14/23 |
| A. O. Smith | HPTV-80 2** | 80 | 4+ | 2.6 | 3.00 | Yes | Yes | 7/14/23 |
| A. O. Smith | HPV10-66H01DV 2** | 66 | 4 | 2.7 | 3.20 | Yes | Yes | 7/14/23 |
| A. O. Smith | HPV10-80H01DV 2** | 80 | 4+ | 2.6 | 3.00 | Yes | Yes | 7/14/23 |
| American | HPHE10250H045DV 120 | 50 | 2-3 | 2.9 | 3.42 | No | No | 6/24/16 |
| American | HPHE10250H045DVCTA 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 1/18/21 |
| American | HPHE10250H045DVDR 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 10/14/20 |
| American | HPHE10250H045DVN *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 6/24/16 |
| American | HPHE10266H045DV 120 | 66 | 3 | 3.1 | 3.52 | No | No | 6/24/16 |
| American | HPHE10266H045DVCTA 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 1/18/21 |
| American | HPHE10266H045DVDR 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 10/14/20 |
| American | HPHE10266H045DVN *** | 66 | 3 | 3.1 | 3.45 | No | No | 6/24/16 |
| American | HPHE10280H045DV 120 | 80 | 4+ | 2.9 | 2.73 | No | No | 6/24/16 |
| American | HPHE10280H045DVCTA 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 1/18/21 |
| American | HPHE10280H045DVDR 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 10/14/20 |
| American | HPHE10280H045DVN *** | 80 | 4+ | 2.9 | 3.45 | No | No | 6/24/16 |
| American | HPV10266H009DV 2** | 66 | 4 | 2.7 | 3.20 | Yes | Yes | 7/14/23 |
| American | HPV10280H009DV 2** | 80 | 4+ | 2.6 | 3.00 | Yes | Yes | 7/14/23 |
| Bradford White | RE2H50S10-**** | 50 | 2-3 | 2.8 | 3.46 | No | No | 2/8/18 |
| Bradford White | RE2H65T10-**** | 65 | 3 | 3.0 | 3.39 | No | No | 3/26/20 |
| Bradford White | RE2H80T10-**** | 80 | 4+ | 3.1 | 3.48 | No | No | 2/8/18 |
| Direct Energy | ECE H40 T2 RH310BM | 40 | 2 | 2.9 | 3.50 | No | No | 10/23/20 |
| Direct Energy | ECE H50 T2 RH310BM | 50 | 2-3 | 2.9 | 3.50 | No | No | 10/23/20 |
| Direct Energy | ECE H65 T2 RH310BM | 65 | 2-3 | 2.9 | 3.50 | No | No | 10/23/20 |
| Direct Energy | ECE H80 T2 RH310BM | 80 | 4 | 2.9 | 3.50 | No | No | 10/23/20 |
| Kenmore | 153.5925 | 50 | 2-3 | 2.9 | 2.90 | No | No | 6/24/16 |
| Kenmore | 153.5926 | 66 | 3 | 3.1 | 3.10 | No | No | 6/24/16 |
| Kenmore | 153.5928 | 80 | 4+ | 2.9 | 2.90 | No | No | 6/24/16 |
| Lochinvar | HPA051KD 120 | 50 | 2-3 | 2.9 | 3.42 | No | No | 6/24/16 |
| Lochinvar | HPA052KD *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 6/24/16 |
| Lochinvar | HPA067KD 120 | 66 | 3 | 3.1 | 3.00 | No | No | 6/24/16 |
| Lochinvar | HPA068KD *** | 66 | 3 | 3.1 | 3.45 | No | No | 6/24/16 |
| Lochinvar | HPA081KD 120 | 80 | 4+ | 2.9 | 2.73 | No | No | 6/24/16 |
| Lochinvar | HPA082KD *** | 80 | 4+ | 2.9 | 3.45 | No | No | 6/24/16 |
| Lochinvar | HPV065KD 2** | 66 | 4 | 2.7 | 3.20 | Yes | Yes | 7/14/23 |
| Lochinvar | HPV080KD 2** | 80 | 4+ | 2.6 | 3.00 | Yes | Yes | 7/14/23 |
| Reliance | 10 50 DHPHT 120 | 50 | 2-3 | 2.9 | 3.42 | No | No | 6/24/16 |
| Reliance | 10 50 DHPHTNE *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 6/24/16 |
| Reliance | 10 66 DHPHT 120 | 66 | 3 | 3.1 | 3.00 | No | No | 6/24/16 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------------|----------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| Reliance | 10 66 DHPHTNE *** | 66 | 3 | 3.1 | 3.45 | No | No | 6/24/16 |
| Reliance | 10 80 DHPHT 120 | 80 | 4+ | 2.9 | 2.73 | No | No | 6/24/16 |
| Reliance | 10-66-DHPHTDR 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 10/14/20 |
| Reliance | 10-66-DHPTV 2** | 66 | 4 | 2.7 | 3.20 | Yes | Yes | 8/23/23 |
| Tier 3 continued | | | | | | | | |
| Reliance | 10-80-DHPHTCTA 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 1/18/21 |
| Reliance | 10-80-DHPHTDR 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 10/14/20 |
| Reliance | 10-80-DHPTV 2** | 80 | 4+ | 2.6 | 3.00 | Yes | Yes | 7/14/23 |
| Rheem | HPLD50 | 50 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Reliance | 10 80 DHPHTNE *** | 80 | 4+ | 2.9 | 3.45 | No | No | 6/24/16 |
| Reliance | 10-50-DHPHTCTA 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 1/18/21 |
| Reliance | 10-50-DHPHTDR 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 10/14/20 |
| Reliance | 10-66-DHPHTCTA 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 1/18/21 |
| Rheem | HPLD65 | 65 | 2-3 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | HPLD80 | 80 | 4 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | PRO H40 T2 RH310BM | 40 | 2 | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Rheem | PRO H40 T2 RH310UM | 40 | 2 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Rheem | PRO H50 T2 RH310BM | 50 | 2-3 | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Rheem | PRO H50 T2 RH310UM | 50 | 2-3 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Rheem | PRO H50 T2 RH350BM | 50 | 2-3 | 3.2 | 3.50 | No | No | 8/20/18 |
| Rheem | PRO H65 T2 RH310BM | 65 | 2-3 | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Rheem | PRO H65 T2 RH310UM | 65 | 2-3 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Rheem | PRO H65 T2 RH350BM | 65 | 2-3 | 3.4 | 3.70 | No | No | 8/20/18 |
| Rheem | PRO H80 T2 RH310BM | 80 | 4+ | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Rheem | PRO H80 T2 RH310UM | 80 | 4 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Rheem | PRO H80 T2 RH350BM | 80 | 4 | 3.4 | 3.70 | No | No | 8/20/18 |
| Rheem | PROPH50 T2 RH350 D | 50 | 2-3 | 3.2 | 3.55 | No | No | 10/24/16 |
| Rheem | PROPH50 T2 RH350 DC | 50 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Rheem | PROPH50 T2 RH350 DCB | 50 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Rheem | PROPH65 T2 RH350 D | 65 | 2-3 | 3.4 | 3.70 | No | No | 10/24/16 |
| Rheem | PROPH65 T2 RH350 D15 | 65 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Rheem | PROPH65 T2 RH350 DC | 65 | 2-3 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | PROPH65 T2 RH350 DCB | 65 | 2-3 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | PROPH80 T2 RH350 D | 80 | 4 | 3.4 | 3.70 | No | No | 10/24/16 |
| Rheem | PROPH80 T2 RH350 D15 | 80 | 4 | 3.2 | 3.27 | No | No | 12/6/17 |
| Rheem | PROPH80 T2 RH350 DC | 80 | 4 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | PROPH80 T2 RH350 DCB | 80 | 4 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | XE40T10H15U0 | 40 | 2-3 | 2.7 | 3.00 | Yes | Yes | 7/18/22 |
| Rheem | XE40T10HM00U0 | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Rheem | XE40T10HMS00U0 | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Rheem | XE50T10H15U0 | 50 | 2-3 | 2.7 | 3.00 | Yes | Yes | 7/18/22 |
| Rheem | XE50T10HD22U0 | 50 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Rheem | XE50T10HD50U0 | 50 | 2-3 | 3.2 | 3.55 | No | No | 10/24/16 |
| Rheem | XE50T10HD50U1 | 50 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Rheem | XE50T10HM00U0 | 50 | 2-3 | 2.6 | 3.00 | Yes | No | 7/18/22 |
| Rheem | XE50T10HMS00U0 | 50 | 2-3 | 2.6 | 3.00 | Yes | No | 7/18/22 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------------|----------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| Rheem | XE65T10HD22U0 | 65 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Rheem | XE65T10HD50U0 | 65 | 2-3 | 3.4 | 3.70 | No | No | 10/24/16 |
| Rheem | XE65T10HD50U1 | 65 | 2-3 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | XE65T10HM00U0 | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Rheem | XE65T10HMS00U0 | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Tier 3 continued | | | | | | | | |
| Rheem | XE80T10HD22U0 | 80 | 4 | 3.2 | 3.27 | No | No | 12/6/17 |
| Rheem | XE80T10HD50U0 | 80 | 4 | 3.4 | 3.70 | No | No | 10/24/16 |
| Rheem | XE80T10HD50U1 | 80 | 4 | 3.4 | 3.70 | No | No | 12/6/17 |
| Rheem | XE80T10HM00U0 | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Rheem | XE80T10HMS00U0 | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Rheem Canada | CPRO H40 T2 RH310BM | 40 | 2 | 2.9 | 3.50 | No | No | 10/23/20 |
| Rheem Canada | CPRO H50 T2 RH310BM | 50 | 2-3 | 2.9 | 3.50 | No | No | 10/23/20 |
| Rheem Canada | CPRO H65 T2 RH310BM | 65 | 2-3 | 2.9 | 3.50 | No | No | 10/23/20 |
| Rheem Canada | CPRO H80 T2 RH310BM | 80 | 4 | 2.9 | 3.50 | No | No | 10/23/20 |
| Rheem Prestige | PROPH40 T0 RH120 | 40 | 2-3 | 2.7 | 3.00 | Yes | No | 7/18/22 |
| Rheem Prestige | PROPH40 T0 RH120-M | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH40 T0 RH120-MSO | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH50 T0 RH120 | 50 | 2-3 | 2.7 | 3.00 | Yes | No | 7/18/22 |
| Rheem Prestige | PROPH50 T0 RH120-M | 50 | 2-3 | 2.6 | 3.00 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH50 T0 RH120-MSO | 50 | 2-3 | 2.6 | 3.00 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH65 T0 RH120-M | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH65 T0 RH120-MSO | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH80 T0 RH120-M | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Rheem Prestige | PROPH80 T0 RH120-MSO | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Richmond | 10E40-HP120 | 40 | 2-3 | 2.7 | 3.00 | Yes | No | 7/18/22 |
| Richmond | 10E40-HP120M | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Richmond | 10E40-HP120MS | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Richmond | 10E50-HP120 | 50 | 2-3 | 2.7 | 3.00 | Yes | No | 7/18/22 |
| Richmond | 10E50-HP120M | 50 | 2-3 | 2.6 | 3.00 | Yes | Yes | 7/18/22 |
| Richmond | 10E50-HP120MS | 50 | 2-3 | 2.6 | 3.00 | Yes | Yes | 7/18/22 |
| Richmond | 10E50-HP4D | 50 | 2-3 | 3.2 | 3.55 | No | No | 10/24/16 |
| Richmond | 10E65-HP120M | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Richmond | 10E65-HP120MS | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Richmond | 10E65-HP4D | 65 | 2-3 | 3.4 | 3.70 | No | No | 10/24/16 |
| Richmond | 10E65-HP4D15 | 65 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Richmond | 10E80-HP120M | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Richmond | 10E80-HP120MS | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Richmond | 10E80-HP4D | 80 | 4 | 3.4 | 3.70 | No | No | 10/24/16 |
| Richmond | 10E80-HP4D15 | 80 | 4 | 3.2 | 3.27 | No | No | 12/6/17 |
| Ruud | PRO H40 T2 RU310BM | 40 | 2 | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Ruud | PRO H40 T2 RU310UM | 40 | 2 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Ruud | PRO H50 T2 RU310BM | 50 | 2-3 | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Ruud | PRO H50 T2 RU310UM | 50 | 2-3 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Ruud | PRO H50 T2 RU350BM | 50 | 2-3 | 3.2 | 3.50 | No | No | 8/20/18 |
| Ruud | PRO H65 T2 RU310BM | 65 | 2-3 | 2.9 | 3.50 | Yes | No | 5/17/23 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|-------------------------|----------------------|--------------|--------------------------|--|---------------------------|----------------------|----------------------|----------------|
| Ruud | PRO H65 T2 RU310UM | 65 | 2-3 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Ruud | PRO H65 T2 RU350BM | 65 | 2-3 | 3.4 | 3.70 | No | No | 8/20/18 |
| Ruud | PRO H80 T2 RU310BM | 80 | 4+ | 2.9 | 3.50 | Yes | No | 5/17/23 |
| Ruud | PROUH50 T0 RU120 | 50 | 2-3 | 2.7 | 3.00 | Yes | No | 7/18/22 |
| Ruud | PROUH50 T0 RU120-M | 50 | 2-3 | 2.6 | 3.00 | Yes | Yes | 7/18/22 |
| Ruud | PROUH50 T0 RU120-MSO | 50 | 2-3 | 2.6 | 3.00 | Yes | Yes | 7/18/22 |
| Tier 3 continued | | | | | | | | |
| Ruud | PROUH50 T2 RU350 D | 50 | 2-3 | 3.2 | 3.55 | No | No | 10/24/16 |
| Ruud | PROUH50 T2 RU350 DCB | 50 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Ruud | PROUH65 T0 RU120-M | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Ruud | PROUH65 T0 RU120-MSO | 65 | 3 | 2.6 | 3.30 | Yes | Yes | 7/18/22 |
| Ruud | PRO H80 T2 RU310UM | 80 | 4 | 2.9 | 3.50 | Yes | No | 11/23/20 |
| Ruud | PRO H80 T2 RU350BM | 80 | 4 | 3.4 | 3.70 | No | No | 8/20/18 |
| Ruud | PROUH40 T0 RU120 | 40 | 2-3 | 2.7 | 3.00 | Yes | No | 7/18/22 |
| Ruud | PROUH40 T0 RU120-M | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Ruud | PROUH40 T0 RU120-MSO | 40 | 2-3 | 2.5 | 2.80 | Yes | Yes | 7/18/22 |
| Ruud | PROUH65 T2 RU350 D | 65 | 2-3 | 3.4 | 3.70 | No | No | 10/24/16 |
| Ruud | PROUH65 T2 RU350 D15 | 65 | 2-3 | 3.2 | 3.55 | No | No | 12/6/17 |
| Ruud | PROUH65 T2 RU350 DCB | 65 | 2-3 | 3.4 | 3.70 | No | No | 12/6/17 |
| Ruud | PROUH80 T0 RU120-M | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Ruud | PROUH80 T0 RU120-MSO | 80 | 4+ | 2.9 | 3.50 | Yes | Yes | 7/18/22 |
| Ruud | PROUH80 T2 RU350 D | 80 | 4 | 3.4 | 3.70 | No | No | 10/24/16 |
| Ruud | PROUH80 T2 RU350 D15 | 80 | 4 | 3.2 | 3.27 | No | No | 12/6/17 |
| Ruud | PROUH80 T2 RU350 DCB | 80 | 4 | 3.4 | 3.70 | No | No | 12/6/17 |
| State | HPVX-66-DHPT 2** | 66 | 4 | 2.7 | 3.20 | Yes | Yes | 7/14/23 |
| State | HPVX-80-DHPT 2** | 88 | 4+ | 2.6 | 3.00 | Yes | Yes | 7/14/23 |
| State | HPX 50 DHPT 120 | 50 | 2-3 | 2.9 | 3.42 | No | No | 6/24/16 |
| State | HPX 50 DHPTNE *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 6/24/16 |
| State | HPX 66 DHPT 120 | 66 | 3 | 3.1 | 3.00 | No | No | 6/24/16 |
| State | HPX 66 DHPTNE *** | 66 | 3 | 3.1 | 3.45 | No | No | 6/24/16 |
| State | HPX 80 DHPT 120 | 80 | 4+ | 2.9 | 2.73 | No | No | 6/24/16 |
| State | HPX 80 DHPTNE *** | 80 | 4+ | 2.9 | 3.45 | No | No | 6/24/16 |
| State | HPX-50-DHPTCTA 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 1/18/21 |
| State | HPX-50-DHPTDR 130 | 50 | 2-3 | 2.9 | 3.45 | Yes | No | 10/14/20 |
| State | HPX-66-DHPTCTA 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 1/18/21 |
| State | HPX-66-DHPTDR 130 | 66 | 3 | 3.1 | 3.45 | Yes | No | 10/14/20 |
| State | HPX-80-DHPTCTA 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 1/18/21 |
| State | HPX-80-DHPTDR 130 | 80 | 4+ | 2.9 | 3.45 | Yes | No | 10/14/20 |
| US Craftmaster | HPHE2K50HD045VUN *** | 50 | 2-3 | 2.9 | 3.45 | No | No | 6/24/16 |
| US Craftmaster | HPHE2K66HD045VUN *** | 66 | 3 | 3.1 | 3.45 | No | No | 6/24/16 |
| US Craftmaster | HPHE2K80HD045VUN *** | 80 | 4+ | 2.9 | 3.45 | No | No | 6/24/16 |
| Whirlpool | HPHE2K50HD045V 120 | 50 | 2-3 | 2.9 | 2.90 | No | No | 6/24/16 |
| Whirlpool | HPHE2K50HD045VN 120 | 50 | 2-3 | 2.9 | 2.90 | No | No | 6/24/16 |
| Whirlpool | HPHE2K80HD045V 120 | 80 | 4+ | 2.9 | 2.90 | No | No | 6/24/16 |

Integrated Water Heaters

| Brand | Model ^a | Volume (gal) | Rec'd Max Household Size | CCE ^b Cool Climate Efficiency | UEF Uniform Energy Factor | EcoPort ^c | Plug-In ^d | Qualified Date |
|--|--------------------|-----------------|--------------------------------|---|------------------------------------|----------------------|----------------------|-------------------|
| <p>a) For models including asterisks (*), any number is allowed to substitute for the *. For example, *** could be 120 or 130.</p> <p>b) Version 7 of the Advanced Water Heating Specification renamed the Uniform Energy Factor NC (UEFnc) to Cool Climate Efficiency (CCE); the underlying tests and calculations remained identical. All products are now required to qualify under the CCE procedure.</p> <p>c) Indicates whether the particular model has a CTA-2045 compliant communications port (EcoPort). The EcoPort requirement for Tier 3 and higher was introduced with Version 7 of the Advanced Water Heating Specification. Models qualified before version 7 may qualify for Tier 3 or higher without EcoPort.</p> <p>d) Indicates whether product meets the requirements of a Plug-In heat pump water heater as defined in Appendix A of the Advanced Water Heating Specification.</p> <p>e) All currently available water heaters on this list should be eligible for the IRA 2023 tax credit. Verify eligibility at https://www.energystar.gov/about/federal_tax_credits/water_heaters_non_solar</p> | | | | | | | | |

Split-System Water Heaters

| Brand | Model | Volume (gal) | Rec'd Max Household Size | SCOP Seasonal Coefficient of Performance | UEF Uniform Energy Factor | EcoPort ^c | Qualified Date |
|--------------------|-------------------------|------------------|--------------------------|---|------------------------------|----------------------|----------------|
| Tier 3 | | | | | | | |
| Harvest Thermal | PD2A-10-43 | 43 | 3 | 2.9 ^f | | No | 12/22/21 |
| Harvest Thermal | PD2A-10-83 | 83 | 4+ | 2.9 ^f | | No | 12/22/21 |
| Harvest Thermal | PD2A-10-119 | 119 | 4+ | 2.9 ^f | | No | 12/22/21 |
| SANCO ₂ | GS4-45HPC + SAN-43SSAQA | 43 | 3 | 2.9 ^f | 3.10 | No | 6/18/21 |
| SANCO ₂ | GS4-45HPC + SAN-83SSAQA | 83 | 4+ | 2.9 | 3.75 | No | 6/18/21 |
| SANCO ₂ | GS4-45HPC + SAN-119GLBK | 119 | 4+ | 2.9 ^f | 3.40 | No | 6/18/21 |
| Tier 2 | | | | | | | |
| Aqua ThermAire | CHT2021-36A | n/a ^g | n/a ^g | 2.7 | 2.95 | No | 11/9/22 |
| Aqua ThermAire | CHT2021-36C | n/a ^g | n/a ^g | 2.7 | 2.95 | No | 11/9/22 |
| Aqua ThermAire | CHT2021-48A | n/a ^g | n/a ^g | 2.7 | 2.95 | No | 11/9/22 |
| Aqua ThermAire | CHT2021-48C | n/a ^g | n/a ^g | 2.7 | 2.95 | No | 11/9/22 |

- c)** Indicates whether the particular model has a CTA-2045 compliant communications port (EcoPort). The EcoPort requirement for Tier 3 and higher was introduced with Version 7 of the Advanced Water Heating Specification. Models qualified before version 7 may qualify for Tier 3 or higher without EcoPort.
- e)** All currently available water heaters on this list should be eligible for the IRA 2023 tax credit. Verify eligibility at https://www.energystar.gov/about/federal_tax_credits/water_heaters_non_solar
- f)** Values based on testing of SANCO₂ heat pump with 83-gallon SAN-83SSAWA tank.
- g)** Due to unique product design, storage volume and recommended maximum household size for this product cannot be evenly compared to others on this list. Refer to manufacturer recommendations for product sizing.