

## Advanced Water Heater Specification Qualified Products List for Heat Pump Water Heaters

Last Updated: 11/03/2020

Product Tier	Product Brand	Model	Volume (gallons)	Maximum Recommended Household Size	Cool Climate Efficiency (CCE) <sup>†</sup>	Energy Factor NC <sup>†</sup>	Qualified Date
<b>Tier 3</b>							
	A. O. Smith	HPTU 50 120	50	2-3	2.9	--	6/24/2016
	A. O. Smith	HPTU 50N ***	50	2-3	2.9	--	6/24/2016
	A. O. Smith	HPTU 66 120	66	3	3.1	--	6/24/2016
	A. O. Smith	HPTU 66N ***	66	3	3.1	--	6/24/2016
	A. O. Smith	HPTU 80 120	80	4+	2.9	--	6/24/2016
	A. O. Smith	HPTU 80N ***	80	4+	2.9	--	6/24/2016
	A. O. Smith	HP10-50H45DV	50	2-3	2.9	--	3/14/2017
	A. O. Smith	HP10-50H45DV ***	50	2-3	2.9	--	3/14/2017
	A. O. Smith	HP10-80H45DV	80	4+	2.9	--	3/14/2017
	A. O. Smith	HP10-80H45DV ***	80	4+	2.9	--	3/14/2017
	A. O. Smith	HP1050H45DVDR 130	50	2-3	2.9	--	10/14/2020
	A. O. Smith	HP1080H45DVDR 130	80	4+	2.9	--	10/14/2020
	A. O. Smith	HPTU-50DR 130	50	2-3	2.9	--	10/14/2020
	A. O. Smith	HPTU-66DR 130	66	3	3.1	--	10/14/2020
	A. O. Smith	HPTU-80DR 130	80	4+	2.9	--	10/14/2020
	American	HPHE10250H045DV 120	50	2-3	2.9	--	6/24/2016
	American	HPHE10250H045DVN ***	50	2-3	2.9	--	6/24/2016
	American	HPHE10266H045DV 120	66	3	3.1	--	6/24/2016
	American	HPHE10266H045DVN ***	66	3	3.1	--	6/24/2016
	American	HPHE10280H045DV 120	80	4+	2.9	--	6/24/2016
	American	HPHE10280H045DVN ***	80	4+	2.9	--	6/24/2016
	American	HPHE10250H045DVDR 130	50	2-3	2.9	--	10/14/2020
	American	HPHE10266H045DVDR 130	66	3	3.1	--	10/14/2020
	American	HPHE10280H045DVDR 130	80	4+	2.9	--	10/14/2020
	Bradford White	RE2H50R10*-*****	50	2-3	2.8	--	2/9/2017
	Bradford White	RE2H80R10*-*****	80	4+	3.1	--	2/9/2017

Bradford White	RE2H50S10-*****	50	2-3	2.8	--	2/8/2018
Bradford White	RE2H65T10-*****	65	3	3.0	--	3/26/2020
Bradford White	RE2H80T10-*****	80	4+	3.1	--	2/8/2018
Direct Energy	ECE H40 T2 RH310BM	40	2	2.9	--	10/23/2020
Direct Energy	ECE H50 T2 RH310BM	50	2-3	2.9	--	10/23/2020
Direct Energy	ECE H65 T2 RH310BM	65	2-3	2.9	--	10/23/2020
Direct Energy	ECE H80 T2 RH310BM	80	4	2.9	--	10/23/2020
GE	BEH50DCEJSB	50	2-3	--	2.8	9/8/2016
GE	BEH80DCEJSB	80	4+	--	3.1	9/8/2016
GE	GEH50DEEJSC	50	2-3	--	2.8	9/8/2016
GE	GEH50DFEJSR	50	2-3	--	2.8	9/8/2016
GE	GEH50DHEKSC	50	2-3	--	2.8	9/8/2016
GE	GEH80DEEJSC	80	4+	--	3.1	9/8/2016
GE	GEH80DFEJSR	80	4+	--	2.9	9/8/2016
GE	GEH80DHEKSC	80	4+	--	3.1	9/8/2016
Kenmore	153.5925	50	2-3	2.9	--	6/24/2016
Kenmore	153.5926	66	3	3.1	--	6/24/2016
Kenmore	153.5928	80	4+	2.9	--	6/24/2016
Lochinvar	HPA051KD 120	50	2-3	2.9	--	6/24/2016
Lochinvar	HPA052KD ***	50	2-3	2.9	--	6/24/2016
Lochinvar	HPA067KD 120	66	3	3.1	--	6/24/2016
Lochinvar	HPA068KD ***	66	3	3.1	--	6/24/2016
Lochinvar	HPA081KD 120	80	4+	2.9	--	6/24/2016
Lochinvar	HPA082KD ***	80	4+	2.9	--	6/24/2016
Reliance	10 50 DHPHT 120	50	2-3	2.9	--	6/24/2016
Reliance	10 50 DHPHTNE ***	50	2-3	2.9	--	6/24/2016
Reliance	10 66 DHPHT 120	66	3	3.1	--	6/24/2016
Reliance	10 66 DHPHTNE ***	66	3	3.1	--	6/24/2016
Reliance	10 80 DHPHT 120	80	4+	2.9	--	6/24/2016
Reliance	10 80 DHPHTNE ***	80	4+	2.9	--	6/24/2016
Reliance	10-50-DHPHTDR 130	50	2-3	2.9	--	10/14/2020
Reliance	10-66-DHPHTDR 130	66	3	3.1	--	10/14/2020
Reliance	10-80-DHPHTDR 130	80	4+	2.9	--	10/14/2020
Rheem	PRO H40 T2 RH310BM	40	2	2.9	--	4/23/2020
Rheem	PRO H50 T2 RH310BM	50	2-3	2.9	--	4/23/2020

Rheem	PRO H65 T2 RH310BM	65	2-3	2.9	--	4/23/2020
Rheem	PRO H80 T2 RH310BM	80	4	2.9	--	4/23/2020
Rheem	PRO H50 T2 RH350BM	50	2-3	3.2	--	8/20/2018
Rheem	PRO H65 T2 RH350BM	65	2-3	3.4	--	8/20/2018
Rheem	PRO H80 T2 RH350BM	80	4	3.4	--	8/20/2018
Rheem	PROPH50 T2 RH350 DC	50	2-3	3.2	--	12/6/2017
Rheem	PROPH65 T2 RH350 DC	65	2-3	3.4	--	12/6/2017
Rheem	PROPH80 T2 RH350 DC	80	4	3.4	--	12/6/2017
Rheem	HPLD50	50	2-3	3.2	--	12/6/2017
Rheem	HPLD65	65	2-3	3.4	--	12/6/2017
Rheem	HPLD80	80	4	3.4	--	12/6/2017
Rheem	XE50T10HD22U0	50	2-3	3.2	--	12/6/2017
Rheem	XE50T10HD50U1	50	2-3	3.2	--	12/6/2017
Rheem	XE65T10HD22U0	65	2-3	3.2	--	12/6/2017
Rheem	XE65T10HD50U1	65	2-3	3.4	--	12/6/2017
Rheem	XE80T10HD22U0	80	4	3.2	--	12/6/2017
Rheem	XE80T10HD50U1	80	4	3.4	--	12/6/2017
Rheem	PROPH50 T2 RH350 DCB	50	2-3	3.2	--	12/6/2017
Rheem	PROPH65 T2 RH350 D15	65	2-3	3.2	--	12/6/2017
Rheem	PROPH65 T2 RH350 DCB	65	2-3	3.4	--	12/6/2017
Rheem	PROPH80 T2 RH350 D15	80	4	3.2	--	12/6/2017
Rheem	PROPH80 T2 RH350 DCB	80	4	3.4	--	12/6/2017
Rheem	PROPH50 T2 RH350 D	50	2-3	3.2	--	10/24/2016
Rheem	PROPH65 T2 RH350 D	65	2-3	3.4	--	10/24/2016
Rheem	PROPH80 T2 RH350 D	80	4	3.4	--	10/24/2016
Rheem	XE50T10HD50U0	50	2-3	3.2	--	10/24/2016
Rheem	XE65T10HD50U0	65	2-3	3.4	--	10/24/2016
Rheem	XE80T10HD50U0	80	4	3.4	--	10/24/2016
Rheem Canada	CPRO H40 T2 RH310BM	40	2	2.9	---	10/23/2020
Rheem Canada	CPRO H50 T2 RH310BM	50	2-3	2.9	---	10/23/2020
Rheem Canada	CPRO H65 T2 RH310BM	65	2-3	2.9	---	10/23/2020
Rheem Canada	CPRO H80 T2 RH310BM	80	4	2.9	---	10/23/2020
Richmond	10E65-HP4D15	65	2-3	3.2	--	12/6/2017
Richmond	10E80-HP4D15	80	4	3.2	--	12/6/2017

Richmond	10E50-HP4D	50	2-3	3.2	--	10/24/2016
Richmond	10E65-HP4D	65	2-3	3.4	--	10/24/2016
Richmond	10E80-HP4D	80	4	3.4	--	10/24/2016
Ruud	PRO H40 T2 RU310BM	40	2	2.9	--	4/23/2020
Ruud	PRO H50 T2 RU310BM	50	2-3	2.9	--	4/23/2020
Ruud	PRO H65 T2 RU310BM	65	2-3	2.9	--	4/23/2020
Ruud	PRO H80 T2 RU310BM	80	4+	2.9	--	4/23/2020
Ruud	PRO H50 T2 RU350BM	50	2-3	3.2	--	8/20/2018
Ruud	PRO H65 T2 RU350BM	65	2-3	3.4	--	8/20/2018
Ruud	PRO H80 T2 RU350BM	80	4	3.4	--	8/20/2018
Ruud	PROUH50 T2 RU350 DCB	50	2-3	3.2	--	12/6/2017
Ruud	PROUH65 T2 RU350 D15	65	2-3	3.2	--	12/6/2017
Ruud	PROUH65 T2 RU350 DCB	65	2-3	3.4	--	12/6/2017
Ruud	PROUH80 T2 RU350 D15	80	4	3.2	--	12/6/2017
Ruud	PROUH80 T2 RU350 DCB	80	4	3.4	--	12/6/2017
Ruud	PROUH50 T2 RU350 D	50	2-3	3.2	--	10/24/2016
Ruud	PROUH65 T2 RU350 D	65	2-3	3.4	--	10/24/2016
Ruud	PROUH80 T2 RU350 D	80	4	3.4	--	10/24/2016
Sanden	GS3-45HPA-US, SAN-43SSAQA	43	3	2.9	--	3/10/2017
Sanden	GS3-45HPA-US, GAUS-160QTA	43	3	2.9	--	3/10/2017
Sanden	GS3-45HPA-US, SAN-83SSAQA	83	4+	3.3	--	3/10/2017
Sanden	GS3-45HPA-US, GAUS-315EQTD	83	4+	3.3	--	3/10/2017
Sanden	GUS-45HPA, SAN-83SSAQA	83	4+	--	3.2	3/10/2017
Sanden	GUS-45HPA, GAUS-315EQTD	83	4+	--	3.2	3/10/2017
Sanden	GS3-45HPA, SAN-119GLBK	119	4+	3.0	--	7/25/2018
State	HPX 50 DHPT 120	50	2-3	2.9	--	6/24/2016
State	HPX 50 DHPTNE ***	50	2-3	2.9	--	6/24/2016
State	HPX 66 DHPT 120	66	3	3.1	--	6/24/2016
State	HPX 66 DHPTNE ***	66	3	3.1	--	6/24/2016
State	HPX 80 DHPT 120	80	4+	2.9	--	6/24/2016
State	HPX 80 DHPTNE ***	80	4+	2.9	--	6/24/2016
State	HPX-50-DHPTDR 130	50	2-3	2.9		10/14/2020
State	HPX-66-DHPTDR 130	66	3	3.1		10/14/2020
State	HPX-80-DHPTDR 130	80	4+	2.9		10/14/2020

US Craftmaster	HPHE2K50HD045VUN ***	50	2-3	2.9	--	6/24/2016
US Craftmaster	HPHE2K66HD045VUN ***	66	3	3.1	--	6/24/2016
US Craftmaster	HPHE2K80HD045VUN ***	80	4+	2.9	--	6/24/2016
Whirlpool	HPHE2K50HD045V 120	50	2-3	2.9	--	6/24/2016
Whirlpool	HPHE2K50HD045VN 120	50	2-3	2.9	--	6/24/2016
Whirlpool	HPHE2K80HD045V 120	80	4+	2.9	--	6/24/2016
Direct Energy	ECEPH40 T2 RH375-15	40	2	3.1	--	10/23/2020
Direct Energy	ECEPH50 T2 RH375-15	50	2-3	3.2	--	10/23/2020
Direct Energy	ECEPH65 T2 RH375-15	65	2-3	3.2	--	10/23/2020
Direct Energy	ECEPH80 T2 RH375-15	80	4	3.2	--	10/23/2020
Direct Energy	ECEPH40 T2 RH375-30	40	2	3.1	--	10/23/2020
Direct Energy	ECEPH50 T2 RH375-30	50	2-3	3.2	--	10/23/2020
Direct Energy	ECEPH65 T2 RH375-30	65	2-3	3.2	--	10/23/2020
Direct Energy	ECEPH80 T2 RH375-30	80	4	3.2	--	10/23/2020
Direct Energy	ECEPH40 T2 RH375-SO	40	2	3.1	--	10/23/2020
Direct Energy	ECEPH50 T2 RH375-SO	50	2-3	3.2	--	10/23/2020
Direct Energy	ECEPH65 T2 RH375-SO	65	2-3	3.2	--	10/23/2020
Direct Energy	ECEPH80 T2 RH375-SO	80	4	3.2	--	10/23/2020
Rheem	HPLD40-1RH	40	2	3.1	--	10/23/2020
Rheem	HPLD50-1RH	50	2-3	3.2	--	10/23/2020
Rheem	HPLD65-1RH	65	2-3	3.2	--	10/23/2020
Rheem	HPLD80-1RH	80	4	3.2	--	10/23/2020
Rheem	PROPH40 T2 RH375-15	40	2	3.1	--	4/23/2020
Rheem	PROPH50 T2 RH375-15	50	2-3	3.2	--	4/23/2020
Rheem	PROPH65 T2 RH375-15	65	2-3	3.2	--	4/23/2020
Rheem	PROPH80 T2 RH375-15	80	4	3.2	--	4/23/2020
Rheem	PROPH40 T2 RH375-30	40	2	3.1	--	4/23/2020
Rheem	PROPH50 T2 RH375-30	50	2-3	3.2	--	4/23/2020
Rheem	PROPH65 T2 RH375-30	65	2-3	3.2	--	4/23/2020
Rheem	PROPH80 T2 RH375-30	80	4	3.2	--	4/23/2020
Rheem	PROPH40 T2 RH375-SO	40	2	3.1	--	4/23/2020
Rheem	PROPH50 T2 RH375-SO	50	2-3	3.2	--	4/23/2020
Rheem	PROPH65 T2 RH375-SO	65	2-3	3.2	--	4/23/2020
Rheem	PROPH80 T2 RH375-SO	80	4	3.2	--	4/23/2020

Rheem	XE40T10H22U0	40	2	3.1	--	4/23/2020
Rheem	XE50T10H22U0	50	2-3	3.2	--	4/23/2020
Rheem	XE65T10H22U0	65	2-3	3.2	--	4/23/2020
Rheem	XE80T10H22U0	80	4	3.2	--	4/23/2020
Rheem	XE40T10H45U0	40	2	3.1	--	4/23/2020
Rheem	XE50T10H45U0	50	2-3	3.2	--	4/23/2020
Rheem	XE65T10H45U0	65	2-3	3.2	--	4/23/2020
Rheem	XE80T10H45U0	80	4	3.2	--	4/23/2020
Rheem	XE40T10HS45U0	40	2	3.1	--	4/23/2020
Rheem	XE50T10HS45U0	50	2-3	3.2	--	4/23/2020
Rheem	XE65T10HS45U0	65	2-3	3.2	--	4/23/2020
Rheem	XE80T10HS45U0	80	4	3.2	--	4/23/2020
Rheem Canada	CPROPH40 T2 RH375-15	40	2	3.1	--	10/23/2020
Rheem Canada	CPROPH50 T2 RH375-15	50	2-3	3.2	--	10/23/2020
Rheem Canada	CPROPH65 T2 RH375-15	65	2-3	3.2	--	10/23/2020
Rheem Canada	CPROPH80 T2 RH375-15	80	4	3.2	--	10/23/2020
Rheem Canada	CPROPH40 T2 RH375-30	40	2	3.1	--	10/23/2020
Rheem Canada	CPROPH50 T2 RH375-30	50	2-3	3.2	--	10/23/2020
Rheem Canada	CPROPH65 T2 RH375-30	65	2-3	3.2	--	10/23/2020
Rheem Canada	CPROPH80 T2 RH375-30	80	4	3.2	--	10/23/2020
Rheem Canada	CPROPH40 T2 RH375-SO	40	2	3.1	--	10/23/2020
Rheem Canada	CPROPH50 T2 RH375-SO	50	2-3	3.2	--	10/23/2020
Rheem Canada	CPROPH65 T2 RH375-SO	65	2-3	3.2	--	10/23/2020
Rheem Canada	CPROPH80 T2 RH375-SO	80	4	3.2	--	10/23/2020
Rheem Canada	CXE40T10H22U0	40	2	3.1	--	10/23/2020
Rheem Canada	CXE50T10H22U0	50	2-3	3.2	--	10/23/2020
Rheem Canada	CXE65T10H22U0	65	2-3	3.2	--	10/23/2020
Rheem Canada	CXE80T10H22U0	80	4	3.2	--	10/23/2020
Rheem Canada	CXE40T10H45U0	40	2	3.1	--	10/23/2020
Rheem Canada	CXE50T10H45U0	50	2-3	3.2	--	10/23/2020
Rheem Canada	CXE65T10H45U0	65	2-3	3.2	--	10/23/2020
Rheem Canada	CXE80T10H45U0	80	4	3.2	--	10/23/2020
Rheem Canada	CXE40T10HS45U0	40	2	3.1	--	10/23/2020
Rheem Canada	CXE50T10HS45U0	50	2-3	3.2	--	10/23/2020

Rheem Canada	CXE65T10HS45UO	65	2-3	3.2	--	10/23/2020
Rheem Canada	CXE80T10HS45UO	80	4	3.2	--	10/23/2020
Richmond	10E40-HP515	40	2	3.1	--	4/23/2020
Richmond	10E50-HP515	50	2-3	3.2	--	4/23/2020
Richmond	10E65-HP515	65	2-3	3.2	--	4/23/2020
Richmond	10E80-HP515	80	4	3.2	--	4/23/2020
Richmond	10E40-HP530	40	2	3.1	--	4/23/2020
Richmond	10E50-HP530	50	2-3	3.2	--	4/23/2020
Richmond	10E65-HP530	65	2-3	3.2	--	4/23/2020
Richmond	10E80-HP530	80	4	3.2	--	4/23/2020
Richmond	10E40-HP5S30	40	2	3.1	--	4/23/2020
Richmond	10E50-HP5S30	50	2-3	3.2	--	4/23/2020
Richmond	10E65-HP5S30	65	2-3	3.2	--	4/23/2020
Richmond	10E80-HP5S30	80	4	3.2	--	4/23/2020
Ruud	HPLD40-1RU	40	2	3.1	--	10/23/2020
Ruud	HPLD50-1RU	50	2-3	3.2	--	10/23/2020
Ruud	HPLD65-1RU	65	2-3	3.2	--	10/23/2020
Ruud	HPLD80-1RU	80	4	3.2	--	10/23/2020
Ruud	PROUH40 T2 RU375-15	40	2	3.1	--	4/23/2020
Ruud	PROUH50 T2 RU375-15	50	2-3	3.2	--	4/23/2020
Ruud	PROUH65 T2 RU375-15	65	2-3	3.2	--	4/23/2020
Ruud	PROUH80 T2 RU375-15	80	4	3.2	--	4/23/2020
Ruud	PROUH40 T2 RU375-30	40	2	3.1	--	4/23/2020
Ruud	PROUH50 T2 RU375-30	50	2-3	3.2	--	4/23/2020
Ruud	PROUH65 T2 RU375-30	65	2-3	3.2	--	4/23/2020
Ruud	PROUH80 T2 RU375-30	80	4	3.2	--	4/23/2020
Ruud	PROUH40 T2 RU375-SO	40	2	3.1	--	4/23/2020
Ruud	PROUH50 T2 RU375-SO	50	2-3	3.2	--	4/23/2020
Ruud	PROUH65 T2 RU375-SO	65	2-3	3.2	--	4/23/2020
Ruud	PROUH80 T2 RU375-SO	80	4	3.2	--	4/23/2020

For models listed with an asterisk "\*", any number is allowed to substitute for the \*. For example, \*\*\* could be 120 or 130.

† Version 7 of the Advanced Water Heating Specification renamed the Uniform Energy Factor NC (UEFnc) to Cool Climate Efficiency (CCE) and the underlying tests and calculations remained identical. Prior to May 2016, products qualified under the UEFnc value and the Northern Climate Specification. Those products remain qualified and eligible until discontinued. Beginning in May 2016, changes to the test procedure necessitated a change to the CCE value. Hence, all products qualified after May 2016 are subject to the CCE requirements of the Advanced Water Heating Specification.

\* Version 7 of the Advanced Water Heating Specification requires all products at Tier 3 and higher levels to have a CTA-2045 compliant communications port. Prior to version 7, the CTA-2045 port was optional at Tier 3 and below. Products previously qualified under earlier versions of the specification remain qualified under version 7. Therefore, previously qualified Tier 3 products may, or may not, have a CTA-2045 port. Presence of a CTA-2045 compliant port is denoted with an "x".

For specifications, procedures, and criteria, see: <http://neea.org/advancedwaterheaterspec>

Northwest Energy Efficiency Alliance



#### Maximum Recommended Household Size Chart

Delivery Rating	# People
1	1-2
1	1-2
1.5	2
1.5	2
2	2-3
2.5	2-3
3	3
3.5	4
4	4+
4.5	5
5	5+
5.5	6
6	6+
6.5	7
7	7+



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<b>Tier 3</b>							
	Sanden	GS3-45HPA-US, SAN-43SSAQA	43	3	2.9	--	3/10/2017
	Sanden	GS3-45HPA-US, GAUS-160QTA	43	3	2.9	--	3/10/2017
	Sanden	GS3-45HPA-US, SAN-83SSAQA	83	4+	3.3	--	3/10/2017
	Sanden	GS3-45HPA-US, GAUS-315EQTD	83	4+	3.3	--	3/10/2017
	Sanden	GUS-45HPA, SAN-83SSAQA	83	4+	--	3.2	3/10/2017
	Sanden	GUS-45HPA, GAUS-315EQTD	83	4+	--	3.2	3/10/2017
	Sanden	GS3-45HPA, SAN-119GLBK	119	4+	3.0	--	7/25/2018

For models listed with an asterisk "\*", any number is allowed to substitute for the \*. For example, \*\*\* could be 120 or 130.☺

<sup>†</sup> Version 7 of the Advanced Water Heating Specification renamed the Uniform Energy Factor NC (UEFnc) to Cool Climate Efficiency (CCE) and the underlying tests and calculations remained identical. Prior to May 2016, products qualified under the UEFnc value and the Northern Climate Specification. Those products remain qualified and eligible until discontinued. Beginning in May 2016, changes to the test procedure necessitated a change to the CCE value. Hence, all products qualified after May 2016 are subject to the CCE requirements of the Advanced Water Heating Specification.

\* Version 7 of the Advanced Water Heating Specification requires all products at Tier 3 and higher levels to have a CTA-2045 compliant communications port. Prior to version 7, the CTA-2045 port was optional at Tier 3 and below. Products previously qualified under earlier versions of the specification remain qualified under version 7. Therefore, previously qualified Tier 3 products may, or may not, have a CTA-2045 port. Presence of a CTA-2045 compliant port is denoted with an "x".

For specifications, procedures, and criteria, see: <http://neea.org/advancedwaterheaterspec>

Northwest Energy Efficiency Alliance



### Maximum Recommended Household Size Chart

Delivery Rating	# People
1	1-2
1	1-2
1.5	2
1.5	2
2	2-3
2.5	2-3
3	3
3.5	4
4	4+
4.5	5
5	5+
5.5	6
6	6+
6.5	7
7	7+