

# 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	CXE40T10H22UO	40	2	3.1	--	10/23/2020
Rheem Canada	CXE50T10H22UO	50	2-3	3.2	--	10/23/2020
Rheem Canada	CXE65T10H22UO	65	2-3	3.2	--	10/23/2020
Rheem Canada	CXE80T10H22UO	80	4	3.2	--	10/23/2020
Rheem Canada	CXE40T10H45UO	40	2	3.1	--	10/23/2020
Rheem Canada	CXE50T10H45UO	50	2-3	3.2	--	10/23/2020
Rheem Canada	CXE65T10H45UO	65	2-3	3.2	--	10/23/2020
Rheem Canada	CXE80T10H45UO	80	4	3.2	--	10/23/2020
Rheem Canada	CXE40T10HS45UO	40	2	3.1	--	10/23/2020
Rheem Canada	CXE50T10HS45UO	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

**Tier 2**

There are no Tier 2 products available as of the date of this posting.

**Tier 1**

A. O. Smith	FPTU 50 ***	50	2-3	--	2.4	8/9/2016
A. O. Smith	FPTU 66 ***	66	3	--	2.6	8/9/2016
A. O. Smith	FPTU 80 ***	80	4+	--	2.7	8/9/2016
A. O. Smith	HHPT 80 102	80	4+	--	1.8	11/10/2011
American	HPHE6280H045DV 102	80	4+	--	1.8	8/9/2016
American	HPHE6250H045DV ***	50	2-3	--	2.4	8/9/2016
American	HPHE6266H045DV ***	66	3	--	2.6	8/9/2016
American	HPHE6280H045DV ***	80	4+	--	2.7	8/9/2016
Bradford White	RE2H50S6-****	50	2-3	2.8	--	4/23/2020
Bradford White	RE2H65T6-****	65	3	3.0	--	4/23/2020
Bradford White	RE2H80T6-****	80	4+	3.1	--	4/23/2020
Reliance	6 50 DHPHT ***	50	2-3	--	2.4	8/9/2016
Reliance	6 66 DHPHT ***	66	3	--	2.6	8/9/2016
Reliance	6 80 DHPHT ***	80	4+	--	2.7	8/9/2016

Reliance	6 80 DHPT 102	80	4+	--	1.8	11/10/2011
Rheem	PROPH50 T2 RH245BM	50	1-2	--	1.9	5/15/2016
Rheem	PROPH80 T2 RH245BM	80	3	--	2.3	5/15/2016
Ruud	PROPH50 T2 RU245BM	50	1-2	--	1.9	5/15/2016
Ruud	PROPH80 T2 RU245BM	80	3	--	2.3	5/15/2016
State	EP6 80 DHPT 102	80	4+	--	1.8	11/10/2011
State	HP6 50 DHPT ***	50	2-3	--	2.4	8/9/2016
State	HP6 66 DHPT ***	66	3	--	2.6	8/9/2016
State	HP6 80 DHPT ***	80	4+	--	2.7	8/9/2016
Stiebel Eltron	Accelera 220 E	58	3	--	2.6	7/27/2015
Stiebel Eltron	Accelera 300/WHP 300	80	5+	--	1.9	2/27/2012
US Craftmaster	HPE2F80HD045VU 102	80	4+	--	1.8	11/10/2011
US Craftmaster	HPHE2F50HD045VU ***	50	2-3	--	2.4	8/9/2016
US Craftmaster	HPHE2F66HD045VU ***	66	3	--	2.6	8/9/2016
US Craftmaster	HPHE2F80HD045VU ***	80	4+	--	2.7	8/9/2016

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 (UEF<sub>NC</sub>) to Cool Climate Efficiency (CCE) and the underlying tests and calculations remained identical. Prior to May 2016, products qualified under the UEF<sub>NC</sub> 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+