

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

Last Updated: 2/18/2022

Integrated Water Heaters

Product Tier	Product Brand	Model	Volume (gallons)	Maximum Recommended Household Size	Cool Climate Efficiency (CCE)†	Uniform Energy Factor (UEF)	CTA-2045 Compliant Communication Port*	Qualified Date
Tier 4								
	Direct Energy	ECEPH40 T2 RH375-15	40	2	3.1	3.45	x	10/23/2020
	Direct Energy	ECEPH50 T2 RH375-15	50	2-3	3.2	3.75	x	10/23/2020
	Direct Energy	ECEPH65 T2 RH375-15	65	2-3	3.2	3.55	x	10/23/2020
	Direct Energy	ECEPH80 T2 RH375-15	80	4	3.2	3.70	x	10/23/2020
	Direct Energy	ECEPH40 T2 RH375-30	40	2	3.1	3.75	x	10/23/2020
	Direct Energy	ECEPH50 T2 RH375-30	50	2-3	3.2	3.75	x	10/23/2020
	Direct Energy	ECEPH65 T2 RH375-30	65	2-3	3.2	3.85	x	10/23/2020
	Direct Energy	ECEPH80 T2 RH375-30	80	4	3.2	4.00	x	10/23/2020
	Direct Energy	ECEPH40 T2 RH375-SO	40	2	3.1	3.75	x	10/23/2020
	Direct Energy	ECEPH50 T2 RH375-SO	50	2-3	3.2	3.75	x	10/23/2020
	Direct Energy	ECEPH65 T2 RH375-SO	65	2-3	3.2	3.85	x	10/23/2020
	Direct Energy	ECEPH80 T2 RH375-SO	80	4	3.2	4.00	x	10/23/2020
	Rheem	HPLD40-1RH	40	2	3.1	3.75	x	10/23/2020
	Rheem	HPLD50-1RH	50	2-3	3.2	3.75	x	10/23/2020
	Rheem	HPLD65-1RH	65	2-3	3.2	3.85	x	10/23/2020
	Rheem	HPLD80-1RH	80	4	3.2	4.00	x	10/23/2020
	Rheem	PROPH40 T2 RH375-15	40	2	3.1	3.45	x	4/23/2020
	Rheem	PROPH50 T2 RH375-15	50	2-3	3.2	3.75	x	4/23/2020
	Rheem	PROPH65 T2 RH375-15	65	2-3	3.2	3.55	x	4/23/2020
	Rheem	PROPH80 T2 RH375-15	80	4	3.2	3.70	x	4/23/2020
	Rheem	PROPH40 T2 RH375-30	40	2	3.1	3.75	x	4/23/2020
	Rheem	PROPH50 T2 RH375-30	50	2-3	3.2	3.75	x	4/23/2020
	Rheem	PROPH65 T2 RH375-30	65	2-3	3.2	3.85	x	4/23/2020
	Rheem	PROPH80 T2 RH375-30	80	4	3.2	4.00	x	4/23/2020
	Rheem	PROPH40 T2 RH375-SO	40	2	3.1	3.75	x	4/23/2020
	Rheem	PROPH50 T2 RH375-SO	50	2-3	3.2	3.75	x	4/23/2020
	Rheem	PROPH65 T2 RH375-SO	65	2-3	3.2	3.85	x	4/23/2020
	Rheem	PROPH80 T2 RH375-SO	80	4	3.2	4.00	x	4/23/2020
	Rheem	XE40T10H22U0	40	2	3.1	3.45	x	4/23/2020
	Rheem	XE50T10H22U0	50	2-3	3.2	3.75	x	4/23/2020
	Rheem	XE65T10H22U0	65	2-3	3.2	3.55	x	4/23/2020
	Rheem	XE80T10H22U0	80	4	3.2	3.70	x	4/23/2020
	Rheem	XE40T10H45U0	40	2	3.1	3.75	x	4/23/2020
	Rheem	XE50T10H45U0	50	2-3	3.2	3.75	x	4/23/2020
	Rheem	XE65T10H45U0	65	2-3	3.2	3.85	x	4/23/2020
	Rheem	XE80T10H45U0	80	4	3.2	4.00	x	4/23/2020
	Rheem	XE40T10HS45U0	40	2	3.1	3.75	x	4/23/2020
	Rheem	XE50T10HS45U0	50	2-3	3.2	3.75	x	4/23/2020
	Rheem	XE65T10HS45U0	65	2-3	3.2	3.85	x	4/23/2020
	Rheem	XE80T10HS45U0	80	4	3.2	4.00	x	4/23/2020
	Rheem Canada	CPROPH40 T2 RH375-15	40	2	3.1	3.45	x	10/23/2020
	Rheem Canada	CPROPH50 T2 RH375-15	50	2-3	3.2	3.75	x	10/23/2020
	Rheem Canada	CPROPH65 T2 RH375-15	65	2-3	3.2	3.55	x	10/23/2020
	Rheem Canada	CPROPH80 T2 RH375-15	80	4	3.2	3.70	x	10/23/2020
	Rheem Canada	CPROPH40 T2 RH375-30	40	2	3.1	3.75	x	10/23/2020
	Rheem Canada	CPROPH50 T2 RH375-30	50	2-3	3.2	3.75	x	10/23/2020
	Rheem Canada	CPROPH65 T2 RH375-30	65	2-3	3.2	3.85	x	10/23/2020
	Rheem Canada	CPROPH80 T2 RH375-30	80	4	3.2	4.00	x	10/23/2020
	Rheem Canada	CPROPH40 T2 RH375-SO	40	2	3.1	3.75	x	10/23/2020
	Rheem Canada	CPROPH50 T2 RH375-SO	50	2-3	3.2	3.75	x	10/23/2020
	Rheem Canada	CPROPH65 T2 RH375-SO	65	2-3	3.2	3.85	x	10/23/2020
	Rheem Canada	CPROPH80 T2 RH375-SO	80	4	3.2	4.00	x	10/23/2020
	Rheem Canada	CXE40T10H22U0	40	2	3.1	3.45	x	10/23/2020
	Rheem Canada	CXE50T10H22U0	50	2-3	3.2	3.75	x	10/23/2020

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							Communication Port*	Qualified Date
Tier 4 continued	Rheem Canada	CXE65T10H22UO	65	2-3	3.2	3.55	x	10/23/2020
	Rheem Canada	CXE80T10H22UO	80	4	3.2	3.70	x	10/23/2020
	Rheem Canada	CXE40T10H45UO	40	2	3.1	3.75	x	10/23/2020
	Rheem Canada	CXE50T10H45UO	50	2-3	3.2	3.75	x	10/23/2020
	Rheem Canada	CXE65T10H45UO	65	2-3	3.2	3.85	x	10/23/2020
	Rheem Canada	CXE80T10H45UO	80	4	3.2	4.00	x	10/23/2020
	Rheem Canada	CXE40T10HS45UO	40	2	3.1	3.75	x	10/23/2020
	Rheem Canada	CXE50T10HS45UO	50	2-3	3.2	3.75	x	10/23/2020
	Rheem Canada	CXE65T10HS45UO	65	2-3	3.2	3.85	x	10/23/2020
	Rheem Canada	CXE80T10HS45UO	80	4	3.2	4.00	x	10/23/2020
	Richmond	10E40-HP515	40	2	3.1	3.45	x	4/23/2020
	Richmond	10E50-HP515	50	2-3	3.2	3.75	x	4/23/2020
	Richmond	10E65-HP515	65	2-3	3.2	3.55	x	4/23/2020
	Richmond	10E80-HP515	80	4	3.2	3.70	x	4/23/2020
	Richmond	10E40-HP530	40	2	3.1	3.75	x	4/23/2020
	Richmond	10E50-HP530	50	2-3	3.2	3.75	x	4/23/2020
	Richmond	10E65-HP530	65	2-3	3.2	3.85	x	4/23/2020
	Richmond	10E80-HP530	80	4	3.2	4.00	x	4/23/2020
	Richmond	10E40-HP5S30	40	2	3.1	3.75	x	4/23/2020
	Richmond	10E50-HP5S30	50	2-3	3.2	3.75	x	4/23/2020
	Richmond	10E65-HP5S30	65	2-3	3.2	3.85	x	4/23/2020
	Richmond	10E80-HP5S30	80	4	3.2	4.00	x	4/23/2020
	Ruud	HPLD40-1RU	40	2	3.1	3.75	x	10/23/2020
	Ruud	HPLD50-1RU	50	2-3	3.2	3.75	x	10/23/2020
	Ruud	HPLD65-1RU	65	2-3	3.2	3.85	x	10/23/2020
	Ruud	HPLD80-1RU	80	4	3.2	4.00	x	10/23/2020
	Ruud	PROUH40 T2 RU375-15	40	2	3.1	3.45	x	4/23/2020
	Ruud	PROUH50 T2 RU375-15	50	2-3	3.2	3.75	x	4/23/2020
	Ruud	PROUH65 T2 RU375-15	65	2-3	3.2	3.55	x	4/23/2020
	Ruud	PROUH80 T2 RU375-15	80	4	3.2	3.70	x	4/23/2020
	Ruud	PROUH40 T2 RU375-30	40	2	3.1	3.75	x	4/23/2020
	Ruud	PROUH50 T2 RU375-30	50	2-3	3.2	3.75	x	4/23/2020
	Ruud	PROUH65 T2 RU375-30	65	2-3	3.2	3.85	x	4/23/2020
Ruud	PROUH80 T2 RU375-30	80	4	3.2	4.00	x	4/23/2020	
Ruud	PROUH40 T2 RU375-SO	40	2	3.1	3.75	x	4/23/2020	
Ruud	PROUH50 T2 RU375-SO	50	2-3	3.2	3.75	x	4/23/2020	
Ruud	PROUH65 T2 RU375-SO	65	2-3	3.2	3.85	x	4/23/2020	
Ruud	PROUH80 T2 RU375-SO	80	4	3.2	4.00	x	4/23/2020	
Tier 3	A. O. Smith	HPTU 50 120	50	2-3	2.9	3.42	--	6/24/2016
	A. O. Smith	HPTU 50N ***	50	2-3	2.9	3.45	--	6/24/2016
	A. O. Smith	HPTU 66 120	66	3	3.1	3.00	--	6/24/2016
	A. O. Smith	HPTU 66N ***	66	3	3.1	3.45	--	6/24/2016
	A. O. Smith	HPTU 80 120	80	4+	2.9	2.73	--	6/24/2016
	A. O. Smith	HPTU 80N ***	80	4+	2.9	3.45	--	6/24/2016
	A. O. Smith	HP10-50H45DV	50	2-3	2.9	3.45	--	3/14/2017
	A. O. Smith	HP10-50H45DV ***	50	2-3	2.9	3.45	--	3/14/2017
	A. O. Smith	HP10-80H45DV	80	4+	2.9	3.45	--	3/14/2017
	A. O. Smith	HP10-80H45DV ***	80	4+	2.9	3.45	--	3/14/2017
	A. O. Smith	HP1050H45DVCTA 130	50	2-3	2.9	3.45	x	1/18/2021
	A. O. Smith	HP1080H45DVCTA 130	80	4+	2.9	3.45	x	1/18/2021
	A. O. Smith	HP1050H45DVDR 130	50	2-3	2.9	3.45	x	10/14/2020
	A. O. Smith	HP1080H45DVDR 130	80	4+	2.9	3.45	x	10/14/2020
	A. O. Smith	HPTU-50CTA 130	50	2-3	2.9	3.45	x	1/18/2021
	A. O. Smith	HPTU-66CTA 130	66	3	3.1	3.45	x	1/18/2021
	A. O. Smith	HPTU-80CTA 130	80	4+	2.9	3.45	x	1/18/2021
	A. O. Smith	HPTU-50DR 130	50	2-3	2.9	3.45	x	10/14/2020
	A. O. Smith	HPTU-66DR 130	66	3	3.1	3.45	x	10/14/2020
	A. O. Smith	HPTU-80DR 130	80	4+	2.9	3.45	x	10/14/2020
	American	HPHE10250H045DV 120	50	2-3	2.9	3.42	--	6/24/2016

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Tier 3 continued	American	HPHE10250H045DVN ***	50	2-3	2.9	3.45	--	6/24/2016
	American	HPHE10266H045DV 120	66	3	3.1	3.52	--	6/24/2016
	American	HPHE10266H045DVN ***	66	3	3.1	3.45	--	6/24/2016
	American	HPHE10280H045DV 120	80	4+	2.9	2.73	--	6/24/2016
	American	HPHE10280H045DVN ***	80	4+	2.9	3.45	--	6/24/2016
	American	HPHE10250H045DVCTA 130	50	2-3	2.9	3.45	x	1/18/2021
	American	HPHE10266H045DVCTA 130	66	3	3.1	3.45	x	1/18/2021
	American	HPHE10280H045DVCTA 130	80	4+	2.9	3.45	x	1/18/2021
	American	HPHE10250H045DVDR 130	50	2-3	2.9	3.45	x	10/14/2020
	American	HPHE10266H045DVDR 130	66	3	3.1	3.45	x	10/14/2020
	American	HPHE10280H045DVDR 130	80	4+	2.9	3.45	x	10/14/2020
	Bradford White	RE2H50S10-*****	50	2-3	2.9	3.46	--	2/8/2018
	Bradford White	RE2H65T10-*****	65	3	3.0	3.39	--	3/26/2020
	Bradford White	RE2H80T10-*****	80	4+	3.1	3.48	--	2/8/2018
	Direct Energy	ECE H40 T2 RH310BM	40	2	2.9	3.50	--	10/23/2020
	Direct Energy	ECE H50 T2 RH310BM	50	2-3	2.9	3.50	--	10/23/2020
	Direct Energy	ECE H65 T2 RH310BM	65	2-3	2.9	3.50	--	10/23/2020
	Direct Energy	ECE H80 T2 RH310BM	80	4	2.9	3.50	--	10/23/2020
	Kenmore	153.5925	50	2-3	2.9	2.9	--	6/24/2016
	Kenmore	153.5926	66	3	3.1	3.1	--	6/24/2016
	Kenmore	153.5928	80	4+	2.9	2.9	--	6/24/2016
	Lochinvar	HPA051KD 120	50	2-3	2.9	3.42	--	6/24/2016
	Lochinvar	HPA052KD ***	50	2-3	2.9	3.45	--	6/24/2016
	Lochinvar	HPA067KD 120	66	3	3.1	3.00	--	6/24/2016
	Lochinvar	HPA068KD ***	66	3	3.1	3.45	--	6/24/2016
	Lochinvar	HPA081KD 120	80	4+	2.9	2.73	--	6/24/2016
	Lochinvar	HPA082KD ***	80	4+	2.9	3.45	--	6/24/2016
	Reliance	10 50 DHPHT 120	50	2-3	2.9	3.42	--	6/24/2016
	Reliance	10 50 DHPHTNE ***	50	2-3	2.9	3.45	--	6/24/2016
	Reliance	10 66 DHPHT 120	66	3	3.1	3.00	--	6/24/2016
	Reliance	10 66 DHPHTNE ***	66	3	3.1	3.45	--	6/24/2016
	Reliance	10 80 DHPHT 120	80	4+	2.9	2.73	--	6/24/2016
	Reliance	10 80 DHPHTNE ***	80	4+	2.9	3.45	--	6/24/2016
	Reliance	10-50-DHPHTCTA 130	50	2-3	2.9	3.45	x	1/18/2021
	Reliance	10-66-DHPHTCTA 130	66	3	3.1	3.45	x	1/18/2021
	Reliance	10-80-DHPHTCTA 130	80	4+	2.9	3.45	x	1/18/2021
	Reliance	10-50-DHPHTDR 130	50	2-3	2.9	3.45	x	10/14/2020
	Reliance	10-66-DHPHTDR 130	66	3	3.1	3.45	x	10/14/2020
	Reliance	10-80-DHPHTDR 130	80	4+	2.9	3.45	x	10/14/2020
	Rheem	PRO H40 T2 RH310BM	40	2	2.9	3.50	--	4/23/2020
	Rheem	PRO H50 T2 RH310BM	50	2-3	2.9	3.50	--	4/23/2020
	Rheem	PRO H65 T2 RH310BM	65	2-3	2.9	3.50	--	4/23/2020
	Rheem	PRO H80 T2 RH310BM	80	4	2.9	3.50	--	4/23/2020
	Rheem	PRO H40 T2 RH310UM	40	2	2.9	3.50	x	11/23/2020
	Rheem	PRO H50 T2 RH310UM	50	2-3	2.9	3.50	x	11/23/2020
	Rheem	PRO H65 T2 RH310UM	65	2-3	2.9	3.50	x	11/23/2020
	Rheem	PRO H80 T2 RH310UM	80	4	2.9	3.50	x	11/23/2020
	Rheem	PRO H50 T2 RH350BM	50	2-3	3.2	3.50	--	8/20/2018
	Rheem	PRO H65 T2 RH350BM	65	2-3	3.4	3.70	--	8/20/2018
	Rheem	PRO H80 T2 RH350BM	80	4	3.4	3.70	--	8/20/2018
	Rheem	PROPH50 T2 RH350 DC	50	2-3	3.2	3.55	--	12/6/2017
	Rheem	PROPH65 T2 RH350 DC	65	2-3	3.4	3.70	--	12/6/2017
	Rheem	PROPH80 T2 RH350 DC	80	4	3.4	3.70	--	12/6/2017
	Rheem	HPLD50	50	2-3	3.2	3.55	--	12/6/2017
	Rheem	HPLD65	65	2-3	3.4	3.70	--	12/6/2017
	Rheem	HPLD80	80	4	3.4	3.70	--	12/6/2017
Rheem	XE50T10HD22U0	50	2-3	3.2	3.55	--	12/6/2017	
Rheem	XE50T10HD50U1	50	2-3	3.2	3.55	--	12/6/2017	
Rheem	XE65T10HD22U0	65	2-3	3.2	3.55	--	12/6/2017	
Rheem	PROPH80 T2 RH350 D	80	4	3.4	3.70	--	10/24/2016	
Rheem	XE50T10HD50U0	50	2-3	3.2	3.55	--	10/24/2016	

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Tier 3 continued	Rheem	XE65T10HD50U0	65	2-3	3.4	3.70	--	10/24/2016
	Rheem	XE80T10HD50U0	80	4	3.4	3.70	--	10/24/2016
	Rheem Canada	CPRO H40 T2 RH310BM	40	2	2.9	3.50	---	10/23/2020
	Rheem Canada	CPRO H50 T2 RH310BM	50	2-3	2.9	3.50	---	10/23/2020
	Rheem Canada	CPRO H65 T2 RH310BM	65	2-3	2.9	3.50	---	10/23/2020
	Rheem Canada	CPRO H80 T2 RH310BM	80	4	2.9	3.50	---	10/23/2020
	Richmond	10E65-HP4D15	65	2-3	3.2	3.55	--	12/6/2017
	Richmond	10E80-HP4D15	80	4	3.2	3.27	--	12/6/2017
	Richmond	10E50-HP4D	50	2-3	3.2	3.55	--	10/24/2016
	Richmond	10E65-HP4D	65	2-3	3.4	3.70	--	10/24/2016
	Richmond	10E80-HP4D	80	4	3.4	3.70	--	10/24/2016
	Ruud	PRO H40 T2 RU310BM	40	2	2.9	3.50	--	4/23/2020
	Ruud	PRO H50 T2 RU310BM	50	2-3	2.9	3.50	--	4/23/2020
	Ruud	PRO H65 T2 RU310BM	65	2-3	2.9	3.50	--	4/23/2020
	Ruud	PRO H80 T2 RU310BM	80	4+	2.9	3.50	--	4/23/2020
	Ruud	PRO H40 T2 RU310UM	40	2	2.9	3.50	x	11/23/2020
	Ruud	PRO H50 T2 RU310UM	50	2-3	2.9	3.50	x	11/23/2020
	Ruud	PRO H65 T2 RU310UM	65	2-3	2.9	3.50	x	11/23/2020
	Ruud	PRO H80 T2 RU310UM	80	4	2.9	3.50	x	11/23/2020
	Ruud	PRO H50 T2 RU350BM	50	2-3	3.2	3.50	--	8/20/2018
	Ruud	PRO H65 T2 RU350BM	65	2-3	3.4	3.70	--	8/20/2018
	Ruud	PRO H80 T2 RU350BM	80	4	3.4	3.70	--	8/20/2018
	Ruud	PROUH50 T2 RU350 DCB	50	2-3	3.2	3.55	--	12/6/2017
	Ruud	PROUH65 T2 RU350 D15	65	2-3	3.2	3.55	--	12/6/2017
	Ruud	PROUH65 T2 RU350 DCB	65	2-3	3.4	3.70	--	12/6/2017
	Ruud	PROUH80 T2 RU350 D15	80	4	3.2	3.27	--	12/6/2017
	Ruud	PROUH80 T2 RU350 DCB	80	4	3.4	3.70	--	12/6/2017
	Ruud	PROUH50 T2 RU350 D	50	2-3	3.2	3.55	--	10/24/2016
	Ruud	PROUH65 T2 RU350 D	65	2-3	3.4	3.70	--	10/24/2016
	Ruud	PROUH80 T2 RU350 D	80	4	3.4	3.70	--	10/24/2016
	State	HPX 50 DHPT 120	50	2-3	2.9	3.42	--	6/24/2016
	State	HPX 50 DHPTNE ***	50	2-3	2.9	3.45	--	6/24/2016
	State	HPX 66 DHPT 120	66	3	3.1	3.00	--	6/24/2016
	State	HPX 66 DHPTNE ***	66	3	3.1	3.45	--	6/24/2016
	State	HPX 80 DHPT 120	80	4+	2.9	2.73	--	6/24/2016
	State	HPX 80 DHPTNE ***	80	4+	2.9	3.45	--	6/24/2016
	State	HPX-50-DHPTCTA 130	50	2-3	2.9	3.45	x	1/18/2021
	State	HPX-66-DHPTCTA 130	66	3	3.1	3.45	x	1/18/2021
	State	HPX-80-DHPTCTA 130	80	4+	2.9	3.45	x	1/18/2021
	State	HPX-50-DHPTDR 130	50	2-3	2.9	3.45	x	10/14/2020
	State	HPX-66-DHPTDR 130	66	3	3.1	3.45	x	10/14/2020
	State	HPX-80-DHPTDR 130	80	4+	2.9	3.45	x	10/14/2020
	US Craftmaster	HPHE2K50HD045VUN ***	50	2-3	2.9	3.45	--	6/24/2016
	US Craftmaster	HPHE2K66HD045VUN ***	66	3	3.1	3.45	--	6/24/2016
	US Craftmaster	HPHE2K80HD045VUN ***	80	4+	2.9	3.45	--	6/24/2016
	Whirlpool	HPHE2K50HD045V 120	50	2-3	2.9	2.9	--	6/24/2016
	Whirlpool	HPHE2K50HD045VN 120	50	2-3	2.9	2.9	--	6/24/2016
Whirlpool	HPHE2K80HD045V 120	80	4+	2.9	2.9	--	6/24/2016	
Tier 2								
There are no Tier 2 products available as of the date of this posting.								
Tier 1								
	Bradford White	RE2H50S6-*****	50	2-3	2.8	3.39	--	4/23/2020
	Bradford White	RE2H65T6-*****	65	3	3.0	3.46	--	4/23/2020
	Bradford White	RE2H80T6-*****	80	4+	3.1	3.48	--	4/23/2020

Split-System Water Heaters

Product Tier	Product Brand	Model	Volume (gallons)	Maximum Recommended Household Size	Seasonal Coefficient of Performance (SCOP)	Uniform Energy Factor (UEF)	CTA-2045 Compliant Communication Port*	Qualified Date
	SANCO ₂	GS4-45HPC	43	3	2.9	3.10	--	6/18/2021
		<i>GS4-45HPC heat pump unit offered with three storage tank size</i>	83	4+	2.9	3.75	--	6/18/2021
			119	4+	2.9	3.40	--	6/18/2021
	Harvest Thermal	PD2A-10-43	43	3	2.9		--	12/22/2021
	Harvest Thermal	PD2A-10-83	83	4+	2.9		--	12/22/2021
	Harvest Thermal	PD2A-10-119	119	4+	2.9		--	12/22/2021

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

* An "x" in this column indicates that the particular model has a CTA-2045 compliant communications port. The CTA-2045

For specifications, proceed to <http://neea.org/advancedwaterheaterspec>



Legacy Qualified Products List

††In 2016 and prior, products qualified for the Advanced Water Heating Specification (AWHS) used the old Department of

Product Brand	Model	Volume (gallons)	Maximum Recommended Household Size	Energy Factor (NC)††	Uniform Energy Factor (UEF)	CTA-2045 Compliant Communication Port*	Qualified Date
Legacy Products							
Tier 3							
Bradford White	RE2H50R10*-*****	50	2-3	2.8		--	2/9/2017
Bradford White	RE2H80R10*-*****	80	4+	3.1		--	2/9/2017
GE	GEH50DEEJSC	50	2-3	2.8	3.39	--	9/8/2016
GE	GEH50DFEJSR	50	2-3	2.8	3.25	--	9/8/2016
GE	GEH80DEEJSC	80	4+	3.1	3.26	--	9/8/2016
GE	GEH80DFEJSR	80	4+	2.9	3.25	--	9/8/2016
Tier 1							
A. O. Smith	FPTU 50***	50	2-3	2.4	3.35	--	8/9/2016
A. O. Smith	FPTU 66***	66	3	2.6	3.42	--	8/9/2016
A. O. Smith	FPTU 80***	80	4+	2.7	3.45	--	8/9/2016
A. O. Smith	HHPT 80102	80	4+	1.8	2.20	--	11/10/2011
American	HPE6280H045DV102	80	4+	1.8	2.20	--	8/9/2016
American	HPHE6250H045DV***	50	2-3	2.4	3.35	--	8/9/2016
American	HPHE6266H045DV***	66	3	2.6	3.42	--	8/9/2016

American	HPHE628 OH045DV ***	80	4+	2.7	3.45	--	8/9/2016
Reliance	6 50 DHPHT ***	50	2-3	2.4	3.35	--	8/9/2016
Reliance	6 66 DHPHT ***	66	3	2.6	3.42	--	8/9/2016
Reliance	6 80 DHPHT ***	80	4+	2.7	3.45	--	8/9/2016
Reliance	6 80 DHPT 102	80	4+	1.8	2.20	--	11/10/2011
State	EP6 80 DHPT 102	80	4+	1.8	2.20	--	11/10/2011
State	HP6 50 DHPT ***	50	2-3	2.4	3.35	--	8/9/2016
State	HP6 66 DHPT ***	66	3	2.6	3.42	--	8/9/2016
State	HP6 80 DHPT ***	80	4+	2.7	3.45	--	8/9/2016
Stiebel Eltron	Accelera 220 E	58	3	2.6	2.81	--	7/27/2015
US Craftmas ter	HPE2F80 HD045V U 102	80	4+	1.8	2.20	--	11/10/2011
US Craftmas ter	HPHE2F5 OH045V U ***	50	2-3	2.4	3.35	--	8/9/2016
US Craftmas ter	HPHE2F6 6HD045V U ***	66	3	2.6	3.42	--	8/9/2016
US Craftmas ter	HPHE2F8 OH045V U ***	80	4+	2.7	3.45	--	8/9/2016

