Commercial/Multifamily HPWH Systems Qualified Products List

for

Advanced Water Heating Specification Version 8.1

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

Updated: 12/23/2025

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
A. O. Smith[1]	AHPA060	Multi Pass Return to Primary	Custom Engineered System	2	2.6	2	2.1	2	1.8	2	1.6	No	No	No
A. O. Smith[1]	AHPA060	Single Pass Return to Primary	Custom Engineered System	3	3.3	3	2.7	2	2.2	2	1.8	No	No	No
A. O. Smith[1]	AHPA060	Swing Tank	Custom Engineered System	3	2.8	2	2.5	2	2.1	2	1.8	No	No	No
A. O. Smith[1]	AHPA140	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
A. O. Smith[1]	AHPA140	Single Pass Return to Primary	Custom Engineered System	3	3.1	3	2.6	2	2.2	2	1.8	No	No	No
A. O. Smith[1]	AHPA140	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
A. O. Smith[1]	AHPA200	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
A. O. Smith[1]	AHPA200	Single Pass Return to Primary	Custom Engineered System	3	3.2	3	2.7	2	2.2	2	1.8	No	No	No
A. O. Smith[1]	AHPA200	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
A. O. Smith[1]	AHPA280	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
A. O. Smith[1]	AHPA280	Single Pass Return to Primary	Custom Engineered System	3	3.1	3	2.6	2	2.2	2	1.8	No	No	No
A. O. Smith[1]	AHPA280	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
A. O. Smith[1]	AHPA350	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
A. O. Smith[1]	AHPA350	Single Pass Return to Primary	Custom Engineered System	3	3.2	3	2.7	2	2.2	2	1.8	No	No	No
A. O. Smith[1]	AHPA350	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No
CHC with Lochinvar[1]	AHP060	Swing Tank	Custom Engineered System	3	2.8	2	2.5	2	2.1	2	1.8	No	No	No
CHC with Lochinvar[1]	AHP140	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
CHC with Lochinvar[1]	AHP200	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No
CHC with Lochinvar[1]	AHP280	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
CHC with Lochinvar[1]	AHP350	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No
Colmac WaterHeat[1]	CxA-10	Multi Pass Return to Primary	Custom Engineered System	2	2.5	1	1.8	1	1.6	1	1.4	Yes[4]	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Colmac WaterHeat[1]	CxA-10 with Pre-Packaged Modular Tank System	Multi Pass Return to Primary	Fully Specified Built-Up System	2	2.5	1	1.8	1	1.6	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-10	Single Pass Return to Primary	Custom Engineered System	2	2.7	2	2.2	2	1.9	2	1.6	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-10 with Pre-Packaged Modular Tank System	Single Pass Return to Primary	Fully Specified Built-Up System	2	2.7	2	2.2	2	1.9	2	1.6	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-10	Swing Tank	Custom Engineered System	2	2.5	1	2.0	2	1.7	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-10 with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	2	2.5	1	2.0	2	1.7	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-15	Multi Pass Return to Primary	Custom Engineered System	1	2.0	0	1.5	1	1.4	1	1.3	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-15 with Pre-Packaged Modular Tank System	Multi Pass Return to Primary	Fully Specified Built-Up System	1	2.0	0	1.5	1	1.4	1	1.3	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-15	Single Pass Return to Primary	Custom Engineered System	1	2.2	1	1.8	1	1.6	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-15 with Pre-Packaged Modular Tank System	Single Pass Return to Primary	Fully Specified Built-Up System	1	2.2	1	1.8	1	1.6	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-15	Swing Tank	Custom Engineered System	1	2.0	1	1.7	1	1.5	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-15 with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	1	2.0	1	1.7	1	1.5	1	1.4	Yes[4]	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Colmac WaterHeat[1]	CxA-20	Multi Pass Return to Primary	Custom Engineered System	2	2.4	1	1.8	1	1.5	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-20 with Pre-Packaged Modular Tank System	Multi Pass Return to Primary	Fully Specified Built-Up System	2	2.4	1	1.8	1	1.5	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-20	Single Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-20 with Pre-Packaged Modular Tank System	Single Pass Return to Primary	Fully Specified Built-Up System	2	2.5	2	2.1	2	1.8	2	1.6	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-20	Swing Tank	Custom Engineered System	2	2.3	1	2.0	2	1.8	2	1.6	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-20 with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	2	2.3	1	2.0	2	1.8	2	1.6	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-25	Multi Pass Return to Primary	Custom Engineered System	2	2.3	1	1.8	1	1.5	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-25 with Pre-Packaged Modular Tank System	Multi Pass Return to Primary	Fully Specified Built-Up System	2	2.3	1	1.8	1	1.5	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-25	Single Pass Return to Primary	Custom Engineered System	2	2.4	1	2.0	2	1.7	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-25 with Pre-Packaged Modular Tank System	Single Pass Return to Primary	Fully Specified Built-Up System	2	2.4	1	2.0	2	1.7	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-25	Swing Tank	Custom Engineered System	2	2.3	1	1.9	2	1.7	1	1.5	Yes[4]	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Colmac WaterHeat[1]	CxA-25 with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	2	2.3	1	1.9	2	1.7	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-30	Multi Pass Return to Primary	Custom Engineered System	2	2.3	1	1.7	1	1.5	1	1.3	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-30 with Pre-Packaged Modular Tank System	Multi Pass Return to Primary	Fully Specified Built-Up System	2	2.3	1	1.7	1	1.5	1	1.3	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-30	Single Pass Return to Primary	Custom Engineered System	2	2.4	1	2.0	1	1.6	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-30 with Pre-Packaged Modular Tank System	Single Pass Return to Primary	Fully Specified Built-Up System	2	2.4	1	2.0	1	1.6	1	1.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-30	Swing Tank	Custom Engineered System	2	2.3	1	1.9	1	1.6	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxA-30 with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	2	2.3	1	1.9	1	1.6	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-5	Multi Pass Return to Primary	Custom Engineered System	2	2.4	1	1.8	1	1.6	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-5 with Pre-Packaged Modular Tank System	Multi Pass Return to Primary	Fully Specified Built-Up System	2	2.4	1	1.8	1	1.6	1	1.4	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-5	Single Pass Return to Primary	Custom Engineered System	2	2.6	2	2.3	2	2.1	2	1.9	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-5 with Pre-Packaged Modular Tank System	Single Pass Return to Primary	Fully Specified Built-Up System	2	2.6	2	2.3	2	2.1	2	1.9	Yes[4]	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Colmac WaterHeat[1]	CxV-5	Swing Tank	Custom Engineered System	2	2.4	2	2.2	2	2.1	2	1.8	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-5 with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	2	2.4	2	2.2	2	2.1	2	1.8	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-15 R454b	Swing Tank	Custom Engineered System	3	2.9	3	2.8	3	2.7	3	2.5	Yes[4]	No	No
Colmac WaterHeat[1]	CxV-15 R454b with Pre-Packaged Modular Tank System	Swing Tank	Fully Specified Built-Up System	3	2.9	3	2.8	3	2.7	3	2.5	Yes[4]	No	No
Galletti	HTH30-453HB	Multi Pass Return to Primary	Custom Engineered System	3	3.2	3	2.9	3	2.7	3	2.2	No[6]	Yes	No[7]
Galletti	HTH30-460HS	Multi Pass Return to Primary	Custom Engineered System	3	3.0	3	2.7	3	2.5	2	2.1	No	No	No
Galletti	HTH53-776HB	Multi Pass Return to Primary	Custom Engineered System	3	3.2	3	2.9	3	2.7	3	2.2	No[6]	Yes	No[7]
Galletti	HTH54-778HS	Multi Pass Return to Primary	Custom Engineered System	3	3.0	3	2.6	3	2.3	2	1.9	No	No	No
Laars Heating Systems Company[1]	ECHV0325-A-X-A-1-XXXX	Swing Tank	Custom Engineered System	3	2.9	3	2.7	3	2.4	2	2.0	No[2]	No	Yes[3]
Lochinvar, LLC[1]	AHP060	Multi Pass Return to Primary	Custom Engineered System	2	2.6	2	2.1	2	1.8	2	1.6	No	No	No
Lochinvar, LLC[1]	AHP060	Single Pass Return to Primary	Custom Engineered System	3	3.3	3	2.7	2	2.2	2	1.8	No	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Lochinvar, LLC[1]	AHP060	Swing Tank	Custom Engineered System	3	2.8	2	2.5	2	2.1	2	1.8	No	No	No
Lochinvar, LLC[1]	AHP140	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
Lochinvar, LLC[1]	AHP140	Single Pass Return to Primary	Custom Engineered System	3	3.1	3	2.6	2	2.2	2	1.8	No	No	No
Lochinvar, LLC[1]	AHP140	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
Lochinvar, LLC[1]	AHP200	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
Lochinvar, LLC[1]	AHP200	Single Pass Return to Primary	Custom Engineered System	3	3.2	3	2.7	2	2.2	2	1.8	No	No	No
Lochinvar, LLC[1]	AHP200	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No
Lochinvar, LLC[1]	AHP280	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
Lochinvar, LLC[1]	AHP280	Single Pass Return to Primary	Custom Engineered System	3	3.1	3	2.6	2	2.2	2	1.8	No	No	No
Lochinvar, LLC[1]	AHP280	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
Lochinvar, LLC[1]	AHP350	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
Lochinvar, LLC[1]	AHP350	Single Pass Return to Primary	Custom Engineered System	3	3.2	3	2.7	2	2.2	2	1.8	No	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Lochinvar, LLC[1]	AHP350	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No
Mitsubishi Electric Trane US[1]	Heat2O	Swing Tank	Fully Specified Built-Up System	3	3.0	2	2.5	3	2.3	2	2.0	No	No	No
Nyle Water Heating Systems, Inc.[1]	C90A	Swing Tank	Custom Engineered System	2	2.3	1	1.8	1	1.6	1	1.4	No	No	No
Nyle Water Heating Systems, Inc.[1]	C185A	Swing Tank	Custom Engineered System	1	2.2	1	1.8	1	1.6	1	1.4	No	No	No
Nyle Water Heating Systems, Inc.[1]	C250A	Swing Tank	Custom Engineered System	1	2.2	1	1.9	1	1.6	1	1.4	No	No	No
Nyle Water Heating Systems, Inc.[1]	E360	Swing Tank	Custom Engineered System	2	2.7	3	2.6	3	2.5	2	2.1	No	No	No
Nyle Water Heating Systems, Inc.[1]	C90A	Multi Pass Return to Primary	Custom Engineered System	2	2.5	1	1.9	1	1.6	1	1.4	No	No	No
Nyle Water Heating Systems, Inc.[1]	Pyroclast	Multi Pass Return to Primary	Fully Packaged / Skid-Mounted System	2	2.5	1	1.9	1	1.6	1	1.4	Yes[5]	No	No
HTEC[1]	Medusa	Multi Pass Return to Primary	Fully Packaged / Skid-Mounted System	2	2.5	1	1.9	1	1.6	1	1.4	Yes[5]	No	No
Rheem[1]	HPHD-60HNU-201, HPHD-60VNU-201	Multi Pass Return to Primary	Custom Engineered System	3	2.9	2	2.3	2	1.8	2	1.6	No	No	No
Rheem[1]	HPHD-135HNU-483, HPHD-135VNU-483	Multi Pass Return to Primary	Custom Engineered System	2	2.7	2	2.1	2	1.8	1	1.5	No	No	No
Small Planet Supply WaterDrop	Droplet 2	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	Droplet 3	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	Droplet 4	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Small Planet Supply WaterDrop	Droplet 6	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	Droplet 8	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	Droplet 9	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	Droplet 12	Swing Tank	Fully Specified Built-Up System	3	3.5	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	Small Planet Supply SanCO2 System	Swing Tank	Fully Specified Built-Up System	4	3.6	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	WD1S-60-300-119-09	Swing Tank	Fully Packaged / Skid-Mounted System	4	3.6	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	WD1S-75-430-119-09	Swing Tank	Fully Packaged / Skid-Mounted System	4	3.6	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	WD1T-90-500-119-12	Swing Tank	Fully Packaged / Skid-Mounted System	4	3.6	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	WD2S-120-650-119-12	Swing Tank	Fully Packaged / Skid-Mounted System	4	3.6	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	WD2S-150-800-200	Swing Tank	Fully Packaged / Skid-Mounted System	4	3.6	4	3.2	4	2.8	3	2.2	Yes	No	No
Small Planet Supply WaterDrop	WD2S-180-1000-200	Swing Tank	Fully Packaged / Skid-Mounted System	4	3.6	4	3.2	4	2.8	3	2.2	No	No	No
State[1]	SHP060	Multi Pass Return to Primary	Custom Engineered System	2	2.6	2	2.1	2	1.8	2	1.6	No	No	No
State[1]	SHP060	Single Pass Return to Primary	Custom Engineered System	3	3.3	3	2.7	2	2.2	2	1.8	No	No	No
State[1]	SHP060	Swing Tank	Custom Engineered System	3	2.8	2	2.5	2	2.1	2	1.8	No	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
State[1]	SHP140	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
State[1]	SHP140	Single Pass Return to Primary	Custom Engineered System	3	3.1	3	2.6	2	2.2	2	1.8	No	No	No
State[1]	SHP140	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
State[1]	SHP200	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
State[1]	SHP200	Single Pass Return to Primary	Custom Engineered System	3	3.2	3	2.7	2	2.2	2	1.8	No	No	No
State[1]	SHP200	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No
State[1]	SHP280	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
State[1]	SHP280	Single Pass Return to Primary	Custom Engineered System	3	3.1	3	2.6	2	2.2	2	1.8	No	No	No
State[1]	SHP280	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.0	2	1.7	No	No	No
State[1]	SHP350	Multi Pass Return to Primary	Custom Engineered System	2	2.5	2	2.1	2	1.8	2	1.6	No	No	No
State[1]	SHP350	Single Pass Return to Primary	Custom Engineered System	3	3.2	3	2.7	2	2.2	2	1.8	No	No	No
State[1]	SHP350	Swing Tank	Custom Engineered System	2	2.7	2	2.4	2	2.1	2	1.7	No	No	No

Company	Identifier	Configuration	Market Delivery Method	Hot Climate Zone		Mild Climate Zone		Cold Climate Zone		Very Cold Climate Zone		EcoPort[a]	ANSI 1181.1 Performance Map	Performance Monitoring[b]
				Tier	SysCOP	Tier	SysCOP	Tier	SysCOP	Tier	SysCOP			
Steffes Origin with Nyle	C90A	Swing Tank	Fully Packaged / Skid-Mounted System	1	2.1	1	1.6	1	1.4	1	1.3	Yes	No	Yes
Steffes Origin with Nyle	C185A	Swing Tank	Fully Packaged / Skid-Mounted System	1	2.0	1	1.6	1	1.4	1	1.3	Yes	No	Yes
Steffes Origin with Nyle	C250A	Swing Tank	Fully Packaged / Skid-Mounted System	1	2.0	1	1.6	1	1.5	1	1.3	Yes	No	Yes
Steffes Origin with Nyle	E360	Swing Tank	Fully Packaged / Skid-Mounted System	2	2.5	2	2.4	3	2.3	2	1.9	Yes	No	Yes
Teal with HEAT20[1]	Heat2O	Swing Tank	Fully Specified Built-Up System	3	3.0	2	2.5	3	2.3	2	2.0	No	No	No
Watts Water Technologies - Lync by Watts[1]	Aegis 250	Swing Tank	Custom Engineered System	3	3.2	3	3.0	4	2.8	3	2.4	No	No	No
Watts Water Technologies - Lync by Watts[1]	Aegis 350	Swing Tank	Custom Engineered System	3	3.2	3	3.0	4	2.8	3	2.4	No	No	No
Watts Water Technologies - Lync by Watts[1]	Aegis 500	Swing Tank	Custom Engineered System	3	3.2	3	3.0	4	2.8	3	2.4	No	No	No

a) See section 3.3.6.1 Ecoport of the Advanced Water Heating Specification for detail.

b) See section 3.3.6.2 Performance Monitoring of the Advanced Water Heating Specification for detail.

1. Base system offering is not in full compliance with AWHS market delivery method listed.
   Please review the system's PADS sheet linked under 'Identifier' column and work with vendor when providing AWHS compliant installation.
2. Deploy built-in 24/7 clock schedule for CTA-2045 static capability. No EcoPort certification but includes CTA-2045 port for UCM pluggin.
3. Main control has hardware infra-structure to accommodate necessary components purchase separately.
4. Pending EcoPort certification.
5. Available with optional accessory.
6. BACnet IP, MS/TP, MODbus, etc. are all available.
7. M&V systems would have to be external.