



OPTITHERM® Cross Reference

Brand & Model	Model #	Maximum BTU/hr	Minimum BTU/hr	Thermal Efficiency	GPH @ 100° Δ	Capacity Gal	100% Warranty	Width (In.)	Height (In.)	Tank Lining	Shipping Weight	Insulation	Heat Exchanger	Cathodic Protection	Vent Length
BOCK optITHERM	OT125	125,000	60,000	96 / 99%	144	99	5Years	28.00	78.50	Glass	670	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/3" 240' w/4"
AO Smith Cyclone	BTH-120	120,000	78,000	95%	138	60	3 Years	27.75	55.50	Glass	460	Foam	Fire Tube with Helical Coil	Powered Anodes	100' w/3" 240' w/4"
Bradford eF Series	EF-60T-12	125,000	125,000	96%	145	60	3Years	28.25	57.00	Glass	570	Foam	3 Pass Multi Flues	Sacrificial Anodes	120' w/3" 170' w/4"
HTP Phoenix Plus	PH130-80	130,000	35,000	95%	150	80	3Years	23.00	72.00	Stainless	235	Foam	2 Pass Spiral with dual metal design	No Anodes	85' w/2"
Lochinvar Shield	SNR-126-06S	125,000	25,000	96%	145	65	3 Years	28.00	60.25'	Glass	377	Ceramic	Separate Boiler/tank-heat exchanger	Sacrificial Anodes	100' w/4"
Rheem Spiderfire	QHE100-130	130,000	130,000	97%	153	80	3 Years	26.25	69.63	Glass	725	Foam	SpiderFire 3 Pass	Sacrificial Anodes	60' w/3" 120' 24"
BOCK optITHERM	OT150	150,000	60,000	96 / 99%	173	99	5 Years	28.00	78.50	Glass	670	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	
AO Smith Cyclone	BTH-150	150,000	78,000	98%	178	100	3 Years	27.75	76.50	Glass	523	Foam	Fire Tube with Helical Coil	Powered Anodes	100' w/3" 240' w/4"
Bradford eF Series	EF-150T-150E-3N	150,000	150,000	99%	180	100	3 Years	28.25	77.63	Glass	900	Foam	3 Pass Multi Flues	Sacrificial Anodes	100' w/3" 170' w/4"
HTP Phoenix Plus	PH160-80	160,000	40,000	96%	174	80	3 Years	23.00	72.00	Stainless	235	Foam	2 Pass Spiral with dual metal design	No Anodes	200' w/3"
Lochinvar Shield	SNR151-100	150,000	30,000	96%	175	90	3 Years	28.00	75.50	Glass	700	Foam	Separate Boiler/tank-heat exchanger	Sacrificial Anodes	100' w/4"
Rheem Spiderfire	GHE100-160	160,000	160,000	95%	184	100	3 Years	26.25	78.75	Glass	765	Foam	SpiderFire 3 Pass	Sacrificial Anodes	60' w/3" 120' 24"
BOCK optITHERM	OT199	199,000	60,000	96 / 99%	229	99	5 Years	28.00	78.50	Glass	670	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	240' w/4"
AO Smith Cyclone	BTH-199	199,900	78,000	97 / 98%	235	100	3 Years	27.75	76.50	Glass	523	Foam	Fire Tube with Helical Coil	Powered Anodes	50' w/3"; 120' w/4"
Bradford eF Series	EF-100T-199E-3N	199,999	No Mod	99%	239	100	3 Years	28.25	77.62	Glass	900	Foam	3 Pass Multi Flues	Sacrificial Anodes	150' w/4"
HTP Phoenix Plus	PH199-80	199,000	40,000	95%	232	119	3 Years	38.00	77.00	None	475	Foam	Sidewire Tube w/ Helical Coil	316L Stainless Steel	200' w/3"
Lochinvar Shield	SNR201-100	199,999	40,000	96%	233	90	3 Years	28.00	75.50	Glass	725	Ceramic	External Helical Coil	Sacrificial Anodes	100' w/4"
PVI Conquest	20 L-100A-GCL	199,900	No Mod	95%	233	100	8 Years	28.00	72.00	None	880	Fiberglass	1 Pass Multiple Fire Tubes	Duplex Stainless Steel	100' w/3"
Rheem Spiderfire	GHE100-200	199,000	No Mod	95%	229	100	3 Years	26.25	78.75	Glass	765	Foam	3 Pass Multi Flues	Sacrificial Anodes	170' w/4"
BOCK optITHERM	OT200	199,999	76,000	95/98%	228	100	5 Years	32.00	67.25	Glass	1,110	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/3" 240' w/4"
AO Smith Cyclone	BTH-199	199,900	78,000	97%	235	100	3 Years	27.75	76.50	Glass	523	Foam	Fire Tube with Helical Coil	Powered Anodes	100' w/3" 240' w/4"
Bradford eF Series	EF-100T-199E-3NA	199,999	199,999	98%	239	100	3 Years	28.25	77.63	Glass	900	Foam	3 Pass Multi Flues	Sacrificial Anodes	80' w/3" 130' w/4"
HTP Phoenix Plus	PH199-80	199,000	40,000	95%	229	80	3 Years	23.00	72.00	Stainless	235	Foam	2 Pass Spiral with dual metal design	No Anodes	200' w/3"
Lochinvar Shield	SNR201-100A	199,999	40,000	96%	233	90	3 Years	28.00	75.50	Glass	725	Ceramic	Separate Boiler/tank-heat exchanger	Sacrificial Anodes	100' w/4"
PVI Conquest	20-L-100A-GCL	199,900	No Mod	95%	228	100	8 Years	28.00	75.75	Duplex St	880	Fiberglass	1 Pass Multiple Fire Tubes	No Anodes	100' w/3" 200' w/4"
Rheem Spiderfire	GHE100-200A	199,900	199,900	95%	229	100	3 Years	26.25	78.75	Glass	765	Foam	3 Pass Multi Flues	Sacrificial Anodes	60' w/3" 120' w/4"
BOCK optITHERM	OT250	250,000	76,000	94 / 98%	282	100	5 Years	32.00	67.25	Glass	1,110	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/4"; 240' w/6"
AO Smith Cyclone	BTH-250	250,000	78,000	96 / 98%	291	100	3 Years	27.75	76.50	Glass	553	Foam	Fire Tube with Helical Coil	Powered Anodes	50' w/3"; 120' w/4"
Bradford eF Series	EF-250	250,000	No Mod	97%	294	100	3 Years	28.25	77.62	Glass	900	Foam	3 Pass Multi Flues	Sacrificial Anodes	130' w/4"
HTP Phoenix Plus	PH260-119	260,000	35,000	7/95%	303	119	3 Years	38.00	85.00	None	555	Foam	Sidewire Tube w/ Helical Coil	316L Stainless Steel	200' w/4"
Lochinvar Shield	SNA-286-125	285,000	57,000	96%	332	120	3 Years	34.00	75.50	Glass	800	Ceramic	External Helical Coil	Sacrificial Anodes	100' w/4"
PVI Conquest	25-L-100-GCL	250,000	No Mod	95%	291	100	8 Years	28.00	72.00	None	880	Fiberglass	1 Pass Multiple Fire Tubes	Duplex Stainless Steel	100' w/3"
Rheem Spiderfire	QHE100-250	250,000	No Mod	95%	285	100	3 Years	26.25	78.75	Glass	830	Foam	3 Pass Multi Flues	Sacrificial Anodes	130' w/4"
BOCK optITHERM	OT299	299,999	76,000	93 / 98%	334	100	5 Years	32.00	67.25	Glass	1,110	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/4"; 240' w/6"
AO Smith Cyclone	BTH-300	300,000	195,000	96 / 98%	349	119	3 Years	33.13	75.50	Glass	855	Foam	Fire Tube with Helical Coil	Powered Anodes	70' w/4"; 120' w/6"
Bradford eF Series	EF-300	300,000	No Mod	92%	335	100	3 Years	28.25	77.62	Glass	900	Foam	3 Pass Multi Flues	Powered Anodes	110' w/4"
HTP Phoenix Plus	SNA-320-125	320,000	40,000	7/95%	372	119	3 Years	38.00	85.00	None	575	Foam	Sidewire Tube w/ Helical Coil	316L Stainless Steel	200' w/4"
Lochinvar Shield	SNA401-125	285,000	57,000	96%	332	120	3 Years	34.00	75.50	Glass	800	Ceramic	External Helical Coil	Sacrificial Anodes	100' w/4"
PVI Conquest	30-L-100-GCL	300,000	No Mod	95%	349	100	8 Years	28.00	72.00	None	880	Fiberglass	1 Pass Multiple Fire Tubes	Duplex Stainless Steel	100' w/3"
Rheem Spiderfire	GHE100-300	300,000	No Mod	93%	338	100	3 Years	26.25	78.75	Glass	830	Foam	3 Pass Multi Flues	Sacrificial Anodes	130' w/4"
Rheem Spiderfire	GHE100-350	350,000	No Mod	94%	399	100	3 Years	26.25	78.75	Glass	835	Foam	3 Pass Multi Flues	Sacrificial Anodes	120' w/6"
BOCK optITHERM	OT300	300,000	135,000	95 / 97%	342	125	5 Years	32.00	78.50	Glass	1,200	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/4"; 240' w/6"
BOCK optITHERM	OT400	400,000	135,000	94 / 97%	451	125	5 Years	32.00	78.50	Glass	1,200	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/4"; 240' w/6"
AO Smith Cyclone	BTH-400	399,900	195,000	95 / 98%	460	119	3 Years	33.13	75.50	Glass	855	Foam	Fire Tube with Helical Coil	Powered Anodes	70' w/4"; 120' w/6"
Bradford eF Series	EF-399	399,999	No Mod	94%	451	100	3 Years	28.25	77.62	Glass	900	Foam	3 Pass Multi Flues	Sacrificial Anodes	240' w/6"
HTP Phoenix Plus	PH399-119	399,000	40,000	7/95%	464	119	3 Years	38.00	85.00	None	575	Foam	Sidewire Tube w/ Helical Coil	316L Stainless Steel	200' w/4"
Lochinvar Shield	SNA401-125	399,999	80,000	96%	465	120	3 Years	34.00	75.50	Glass	850	Ceramic	External Helical Coil	Sacrificial Anodes	100' w/4"
PVI Conquest	40-L-13-GCL	399,000	No Mod	96%	471	130	8 Years	33.75	80.75	None	880	Fiberglass	1 Pass Multi Spiral Tubes	Duplex Stainless Steel	100' w/4"
Rheem Spiderfire	GHE100-400	399,900	No Mod	94%	456	100	3 Years	26.25	78.75	Glass	835	Foam	3 Pass Multi Flues	Sacrificial Anodes	120' w/6"
BOCK optITHERM	OT500	500,000	135,000	93 / 97%	558	125	5 Years	32.00	78.50	Glass	1,200	Foam	Dual Turboflue® + 3rd Pass	ICCP (no anode rods)	100' w/4"; 240' w/6"
AO Smith Cyclone	BTH-500	499,900	195,000	95 / 98%	576	119	3 Years	33.13	75.50	Glass	855	Foam	Fire Tube with Helical Coil	Powered Anodes	70' w/4"; 120' w/6"
Lochinvar Shield	SNA501-125	500,000	100,000	96%	582	120	3 Years	34.00	75.50	Glass	875	Ceramic	External Helical Coil	Sacrificial Anodes	100' w/4"
PVI Conquest	50-L-13-GCL	500,000	?	96 / 99%	588	130	8 Years	33.75	80.75	None	880	Fiberglass	1 Pass Multi Spiral Tubes	Duplex Stainless Steel	80' w/4"
Rheem SuperDuty	GHE125-500	500,000	No Mod	93%	564	125	3 Years	32.00	78.50	Glass	1200	Foam	3 Pass Fire Tubes	Sacrificial Anodes	100' w/4"; 240' w/6"