



PRODUCT DATA SHEET

StorMaxx™ NP Non-Pressure Commercial Solar Storage Tanks						
Model	Volume (gal)/(L)	Weight (lbs)/(kg)	Diameter (in)/(mm)	Height (in)/(mm)	# of HX*	Insulation (in)/(mm)
StorMaxx-NP-0150G-4FT	150 / 568	129 / 58.1	36 / 914	48 / 1219	1	2 / 51
StorMaxx-NP-0200G-4FT	200 / 757	137 / 61.7	40 / 1016	48 / 1219	1	2 / 51
StorMaxx-NP-0225G-4FT	225 / 852	141 / 63.5	44 / 1118	48 / 1219	1	2 / 51
StorMaxx-NP-0250G-4FT	250 / 946	155 / 69.8	48 / 1219	48 / 1219	2	2 / 51
StorMaxx-NP-0300G-4FT	300 / 1136	166 / 74.7	52 / 1321	48 / 1219	3	2 / 51
StorMaxx-NP-0400G-4FT	400 / 1514	185 / 83.3	58 / 1473	48 / 1219	3	2 / 51
StorMaxx-NP-0400G-5FT	400 / 1514	222 / 99.9	52 / 1321	60 / 1524	2	2 / 51
StorMaxx-NP-0500G-4FT	500 / 1893	206 / 92.7	64 / 1626	48 / 1219	4	2 / 51
StorMaxx-NP-0500G-5FT	500 / 1893	226 / 101.7	58 / 1473	60 / 1524	3	2 / 51
StorMaxx-NP-0600G-4FT	600 / 2271	227 / 102.2	70 / 1778	48 / 1219	5	2 / 51
StorMaxx-NP-0600G-5FT	600 / 2271	264 / 118.8	64 / 1626	60 / 1524	4	2 / 51
StorMaxx-NP-0700G-4FT	700 / 2650	241 / 108.5	76 / 1930	48 / 1219	6	2 / 51
StorMaxx-NP-0700G-5FT	700 / 2650	270 / 121.5	67 / 1702	60 / 1524	5	2 / 51
StorMaxx-NP-0800G-4FT	800 / 3028	267 / 120.2	80 / 2032	48 / 1219	7	2 / 51
StorMaxx-NP-0800G-5FT	800 / 3028	274 / 123.3	70 / 1778	60 / 1524	5	2 / 51
StorMaxx-NP-0800G-6FT	800 / 3028	281 / 126.5	63 / 1600	72 / 1829	5	2 / 51
StorMaxx-NP-0950G-5FT	950 / 3569	309 / 139.1	76 / 1930	60 / 1524	6	2 / 51

* This is the max number of heat exchangers for a tank. They must be purchased separately. Heat exchangers are not included with the tank – please call your sales representative.



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StorMaxx-NP-1000G-5FT	1000 / 3785	338 / 152.1	80 / 2032	60 / 1524	7	3 / 76
StorMaxx-NP-1200G-4FT	1200 / 4543	359 / 161.6	96 / 2438	48 / 1219	9	3 / 76
StorMaxx-NP-1200G-5FT	1200 / 4543	371 / 167.0	86 / 2184	60 / 1524	8	3 / 76
StorMaxx-NP-1300G-4FT	1300 / 4921	386 / 173.7	100 / 2540	48 / 1219	10	3 / 76
StorMaxx-NP-1500G-5FT	1500 / 5678	426 / 191.7	96 / 2438	60 / 1524	9	3 / 76
StorMaxx-NP-1500G-6FT	1500 / 5678	413 / 185.9	86 / 2184	72 / 1829	-	3 / 76
StorMaxx-NP-1700G-7FT	1700 / 6435	666 / 299.7	86 / 2184	84 / 2134	8	3 / 76
StorMaxx-NP-1900G-6FT	1900 / 7192	723 / 325.4	96 / 2438	72 / 1829	9	3 / 76
StorMaxx-NP-2000G-6FT	2000 / 7571	754 / 339.3	100 / 2540	72 / 1829	10	3 / 76
StorMaxx-NP-2100G-5FT	2100 / 7949	732 / 329.4	110 / 2794	60 / 1524	10	3 / 76
StorMaxx-NP-2200G-7FT	2200 / 8328	774 / 348.3	96 / 2438	84 / 2134	9	3 / 76
StorMaxx-NP-2500G-5FT	2500 / 9463	784 / 352.8	120 / 3048	60 / 1524	12	3 / 76
StorMaxx-NP-2800G-7FT	2800 / 10599	925 / 416.3	108 / 2743	84 / 2134	10	3 / 76
StorMaxx-NP-3500G-7FT	3500 / 13249	1064 / 478.8	120 / 3048	84 / 2134	-	3 / 76
StorMaxx-NP-4000G-7FT	4000 / 15142	1179 / 530.6	126 / 3200	84 / 2134	-	3 / 76
StorMaxx-NP-4500G-7FT	4500 / 17034	1278 / 575.1	135 / 3429	84 / 2134	-	3 / 76
StorMaxx-NP-5000G-7FT	5000 / 18927	1344 / 604.8	142 / 36067	84 / 2134	-	3 / 76

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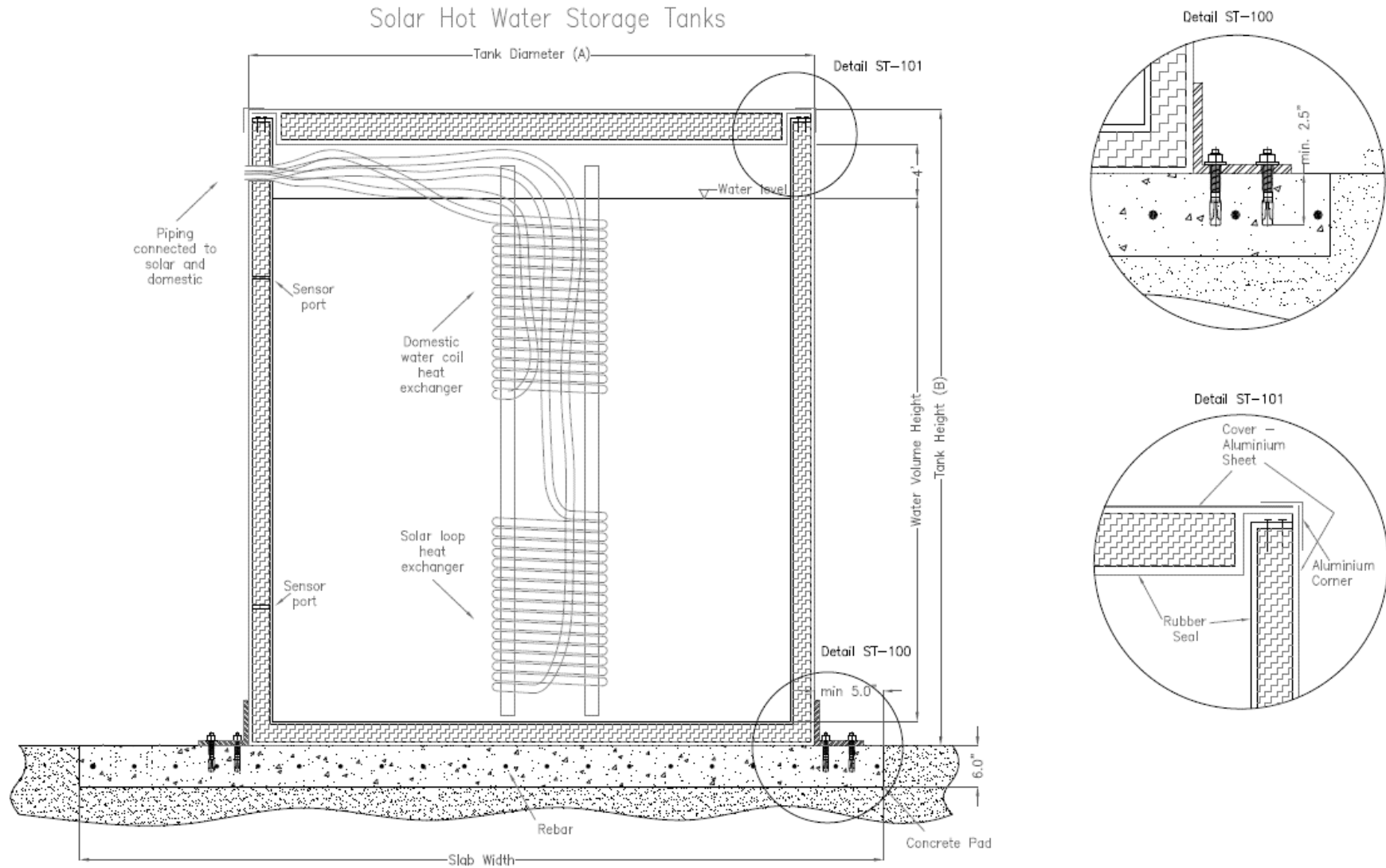
Tank Details (cont.)		
Max Temperature (°F)/(°C)	180/82.2	
Construction	Round, 0.032 Embossed Aluminum	
Wall Material	EPDM Liner	
Cover sheet	Aluminum 3003 H254	
Insulation Material	Rigid R14 Polyisocyanurate Foam	
Sealant	RTV Silicone	
Tank Sizes (gal)/(L)	150 – 5000 / 568 - 18927	
Technical Specifications For NP Tank Accessories		
Stainless Steel Coils		
Model	MFG-StorMaxx-NP-A-CSS-8080-3/4IN-4FT	MFG-StorMaxx-NP-A-CSS-8080-3/4IN-6FT
Material	3/4" Corrugated Stainless Steel	3/4" Corrugated Stainless Steel
Coil Dimensions – D x H (in)/(m)	17 x 13 x 48 / 0.43 x 0.33 x 1.22	17 x 13 x 72 / 0.43 x 0.33 x 1.83

Technical Features

- ✓ Accessory - Seismic Anchor Cleat Kit for Tank (StorMaxx-NP-A-SEISMIC)
- ✓ Seismic Cleats allow for installation of tanks in seismic zones
- ✓ Suitable for installation in Category E. For engineering calculations, please contact our engineering team for consulting services.
- ✓ For HX Sizing: Please contact SunMaxx™ engineering for proper sizing.



The technical drawings presented below show placement of pipe pass-through ports, sensors, number of water coil heat exchangers, solar loop heat exchangers and the mounting of the tank to the surface. Please contact our Engineering Department for more information regarding custom designs.

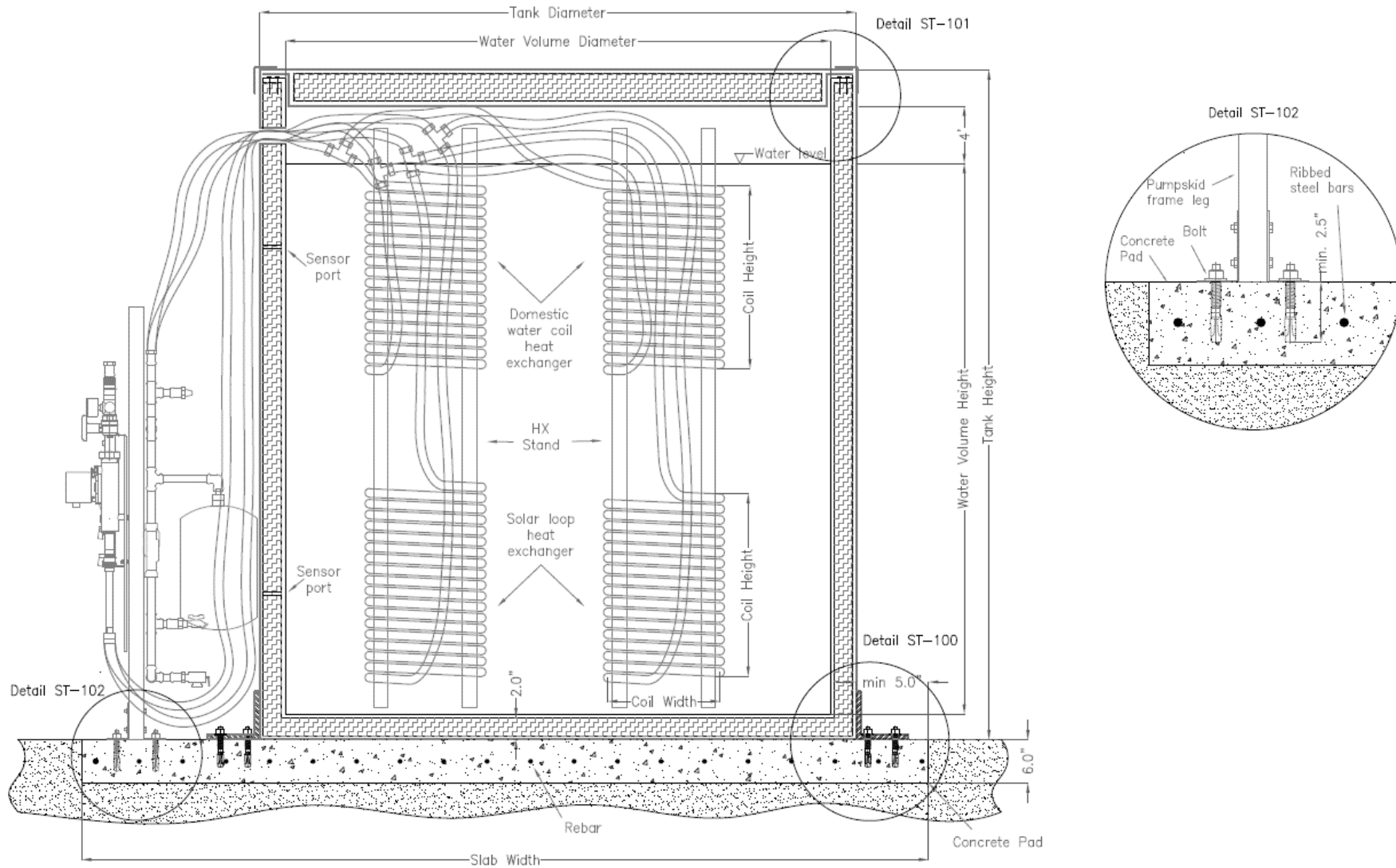


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Solar Hot Water Storage Tanks



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StorMaxx™ SE Solar Storage Tanks						
Model	Volume (gal)/(L)	Weight (lbs)/(kg)	Diameter (in)/(mm)	Height (in)/(mm)	# of HX	Insulation (in)/(mm)
StorMaxx-SE-050-1HX-EE	50 / 190	236 / 107	23 / 584.2	54.3 / 1380	1	1.7 / 43.0
StorMaxx-SE-080-2HX-EE	80 / 300	276 / 125	23.6 / 600	70.5 / 1791	2	2 / 50.8
StorMaxx-SE-119-2HX-EE	119 / 450	375 / 170	27.6 / 700	74.8 / 1900	2	2 / 50.8

Technical Features

- ✓ Steel (no.: 6837)
- ✓ Standard: DIN EN 10120
- ✓ Steel Quality: P245NB
- ✓ Internal Coating: double enameling (heated at 1580F) (vitrified steel)
- ✓ Supplied with magnesium anode for corrosion protection
- ✓ 4" flange for convenient interior cleaning
- ✓ Serpentine Coil: single wall steel plate (ST 37.2)
- ✓ Insulation Material / Density: CFC-free polyurethane / 40kg/m³
- ✓ Max Working Pressure: 116 PSI / Max Testing Pressure: 174 PSI
- ✓ Max Temperature: 203°F

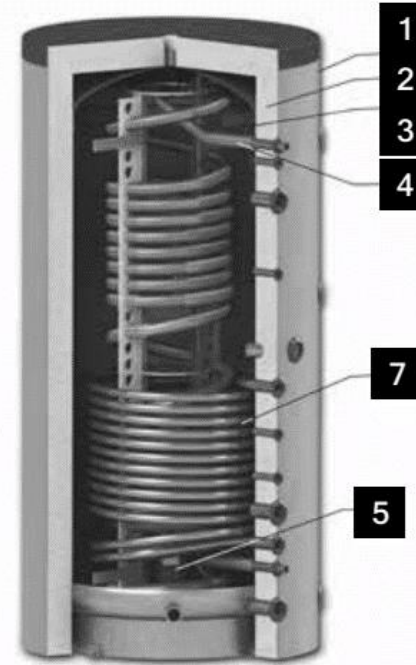
Connection	Port Sizes
Warm Water	3/4" NPT M
Cold Water	3/4" NPT M
Safety Valve Connection	3/4" NPT F
Drain Valve Connection	3/4" NPT F



StorMaxx CTEC Storage Tanks

Model	Volume (gal)/(L)	Weight (lbs)/(kg)	Diameter (in)/(mm)	Height (in)/(mm)	# of HX	Insulation (in)/(mm)
StorMaxx-CTEC-264-2HX-V4	264 / 1000	506 / 230	39 / 990.6	80 / 2032	2	4 / 102

Buffer Capacity	255.5 G
Heat Exchanger Capacity (DHW)	8.7 G
Heat Exchanger Surface Area (DHW)	80.7 FT ²
Heat Exchanger Capacity (Bottom)	4.9 G
Heat Exchanger Surface Area (Bottom)	32.3 FT ²
Heat Exchanger Capacity (Top)	-
Heat Exchanger Surface Area (Top)	-
Heat Exchanger Operating Pressure (DHW)	232 PSI
Heat Exchanger Max Temperature (DHW)	230 °F
Heat Exchanger Operating Pressure (Bottom / Top)	44 PSI
Heat Exchanger Max Temperature (Bottom / Top)	203 °F
Buffer Tank Operating Pressure	87 PSI
Buffer Tank Max Temperature	203 °F
Continuous Output @ 104 °F w/ Buffer At 149 °F	608 G
Max Single Output @ 100 °F w/ Buffer At 149 °F	209 G



1. Aesthetic PVC jacket with color RAL 9006
2. Highly efficient thermal insulation
3. Low-carbon steel water tank
4. Sanitary grade stainless steel DHW heat exchanger tube
5. Water stratification unit
7. Lower coil

StorMaxx™ ETEC Storage Tanks

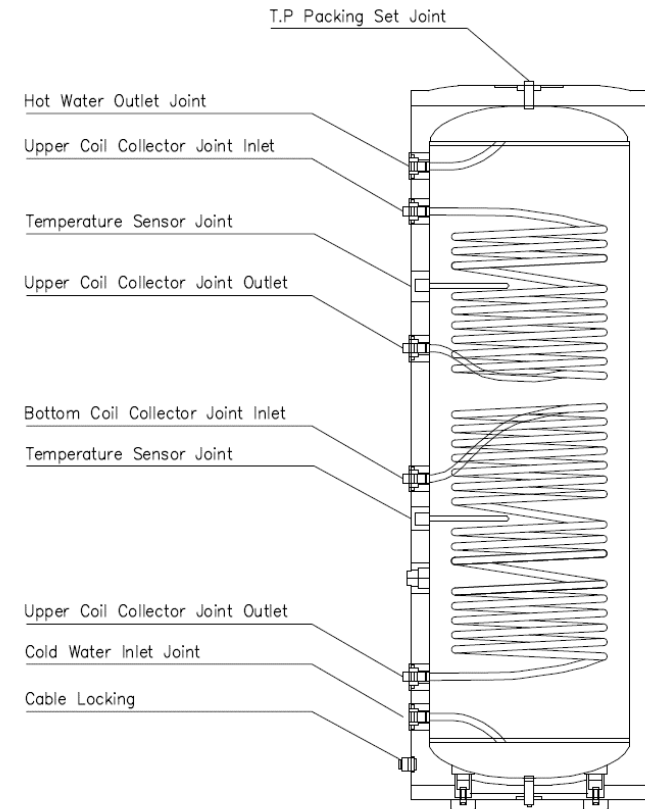
Model	Volume (gal)/(L)	Weight (lbs)/(kg)	Diameter (in)/(mm)	Height (in)/(mm)	Coil heat exchange area (ft ²)		Insulation (in)/(mm)
StorMaxx-ETEC-80-2HX	80 / 300	175 / 79	22.5 / 570	69 / 1755	6.4*	10.2**	1.77 / 45
StorMaxx-ETEC-105-2HX	105 / 400	227 / 103	27.6 / 700	61 / 1550	5.9*	12.4**	1.97 / 50
StorMaxx-ETEC-119-2HX	119 / 450	254 / 115	27.6 / 700	69 / 1755	9.2*	15.6**	1.97 / 50
StorMaxx-ETEC-132-2HX	132 / 500	278 / 126	27.6 / 700	74 / 1880	8.6*	15.6**	1.97 / 50

*upper coil **lower coil

Features

- ✓ 2 bare tube steel coil heat exchangers
- ✓ Coil pipe material provides very good heat exchange
- ✓ Equipped with a TP pressure release valve to ensure tank safety
- ✓ Electric element is not included in the tank need to be purchased separately

Material and thickness of inner tank	1.5sus316L
Material and thickness of outer tank	Painted steel d=0.02 in
Number of Heat exchangers	2
Specification of inlet and outlet pipe	G ¾"
Rated Pressure	58 psi
Heat Exchanger Coil Pipe Material	Stainless Steel 316L
Coil Pipe Diameter (IN/mm)	0.866 / 22
Coil Pipe Thickness (IN/mm)	0.0078 / 0.2



Technical drawing presented below, show detailed schematic of SunMaxx Solar™ ETEC Tank, available port connections and available circulation loop connections.

