



# 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 / 567.8	129 / 58.05	36 / 914.4	48 / 1219.2	1	2 / 50.8
StorMaxx-NP-0200G-4FT	200 / 757.1	137 / 61.65	40 / 1016	48 / 1219.2	1	2 / 50.8
StorMaxx-NP-0225G-4FT	225 / 851.7	141 / 63.45	44 / 1117.6	48 / 1219.2	1	2 / 50.8
StorMaxx-NP-0250G-4FT	250 / 946.4	155 / 69.75	48 / 1219.2	48 / 1219.2	2	2 / 50.8
StorMaxx-NP-0300G-4FT	300 / 1135.6	166 / 74.7	52 / 1320.8	48 / 1219.2	3	2 / 50.8
StorMaxx-NP-0400G-4FT	400 / 1514.2	185 / 83.25	58 / 1473.2	48 / 1219.2	3	2 / 50.8
StorMaxx-NP-0400G-5FT	400 / 1514.2	222 / 99.9	52 / 1320.8	60 / 1524	2	2 / 50.8
StorMaxx-NP-0500G-4FT	500 / 1892.7	206 / 92.7	64 / 1625.6	48 / 1219.2	4	2 / 50.8
StorMaxx-NP-0500G-5FT	500 / 1892.7	226 / 101.7	58 / 1473.2	60 / 1524	3	2 / 50.8
StorMaxx-NP-0600G-4FT	600 / 2271.2	227 / 102.15	70 / 1778	48 / 1219.2	5	2 / 50.8
StorMaxx-NP-0600G-5FT	600 / 2271.2	264 / 118.8	64 / 1625.6	60 / 1524	4	2 / 50.8
StorMaxx-NP-0700G-4FT	700 / 2649.8	241 / 108.45	76 / 1930.4	48 / 1219.2	6	2 / 50.8
StorMaxx-NP-0700G-5FT	700 / 2649.8	270 / 121.5	67 / 1701.8	60 / 1524	5	2 / 50.8
StorMaxx-NP-0800G-4FT	800 / 3028.3	267 / 120.15	80 / 2032	48 / 1219.2	7	2 / 50.8
StorMaxx-NP-0800G-5FT	800 / 3028.3	274 / 123.3	70 / 1778	60 / 1524	5	2 / 50.8
StorMaxx-NP-0800G-6FT	800 / 3028.3	281 / 126.45	63 / 1600.2	72 / 1828.8	5	2 / 50.8
StorMaxx-NP-0950G-5FT	950 / 3569.1	309 / 139.05	76 / 1930.4	60 / 1524	6	2 / 50.8

\* 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 / 3785.4	338 / 152.1	80 / 2032	60 / 1524	7	3 / 76.2
StorMaxx-NP-1200G-4FT	1200 / 4542.5	359 / 161.55	96 / 2438.4	48 / 1219.2	9	3 / 76.2
StorMaxx-NP-1200G-5FT	1200 / 4542.5	371 / 166.95	86 / 2184.4	60 / 1524	8	3 / 76.2
StorMaxx-NP-1300G-4FT	1300 / 4921.0	386 / 173.7	100 / 2540	48 / 1219.2	10	3 / 76.2
StorMaxx-NP-1500G-5FT	1500 / 5678.1	426 / 191.7	96 / 2438.4	60 / 1524	9	3 / 76.2
StorMaxx-NP-1500G-6FT	1500 / 5678.1	413 / 185.85	86 / 2184.4	72 / 1828.8	-	3 / 76.2
StorMaxx-NP-1700G-7FT	1700 / 6435.2	666 / 299.7	86 / 2184.4	84 / 2133.6	8	3 / 76.2
StorMaxx-NP-1900G-6FT	1900 / 7192.3	723 / 325.35	96 / 2438.4	72 / 1828.8	9	3 / 76.2
StorMaxx-NP-2000G-6FT	2000 / 7570.8	754 / 339.3	100 / 2540	72 / 1828.8	10	3 / 76.2
StorMaxx-NP-2100G-5FT	2100 / 7949.4	732 / 329.4	110 / 2794	60 / 1524	10	3 / 76.2
StorMaxx-NP-2200G-7FT	2200 / 8327.9	774 / 348.3	96 / 2438.4	84 / 2133.6	9	3 / 76.2
StorMaxx-NP-2500G-5FT	2500 / 9463.5	784 / 352.8	120 / 3048	60 / 1524	12	3 / 76.2
StorMaxx-NP-2800G-7FT	2800 / 10599.2	925 / 416.25	108 / 2743.2	84 / 2133.6	10	3 / 76.2
StorMaxx-NP-3500G-7FT	3500 / 13248.9	1064 / 478.8	120 / 3048	84 / 2133.6	-	3 / 76.2
StorMaxx-NP-4000G-7FT	4000 / 15141.6	1179 / 530.55	126 / 3200.4	84 / 2133.6	-	3 / 76.2
StorMaxx-NP-4500G-7FT	4500 / 17034.4	1278 / 575.1	135 / 3429	84 / 2133.6	-	3 / 76.2
StorMaxx-NP-5000G-7FT	5000 / 18927.1	1344 / 604.8	142 / 3606.8	84 / 2133.6	-	3 / 76.2

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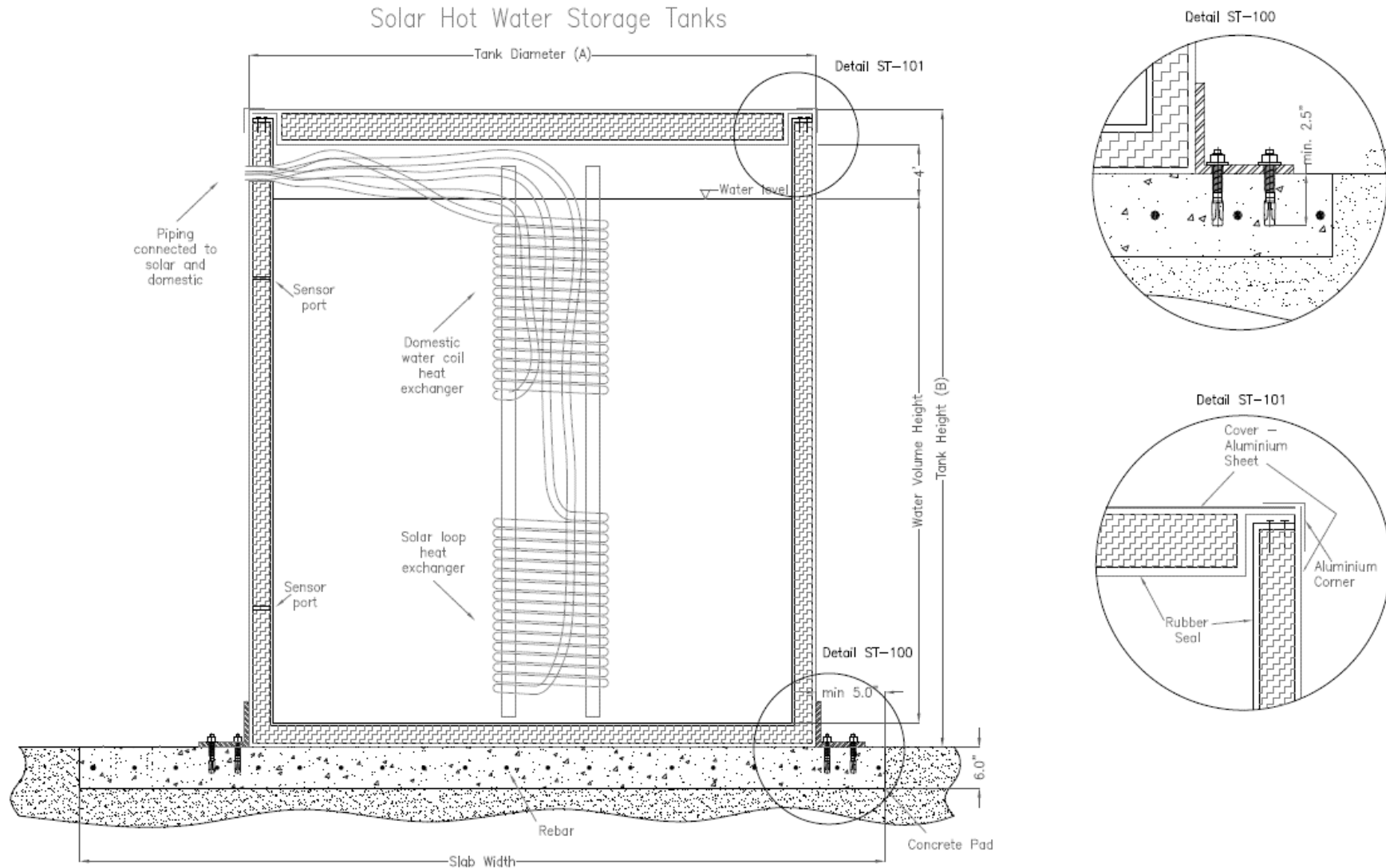
Tank Details (cont.)		
<b>Max Temperature (°F)/(°C)</b>	180/82.2	
<b>Construction</b>	Round, 0.032 embossed aluminum	
<b>Wall Material</b>	EPDM Liner	
<b>Cover sheet</b>	Aluminum 3003 H254	
<b>Insulation Material</b>	Rigid R14 isocyanurate foam	
<b>Sealant</b>	RTV silicone	
<b>Tank Sizes (gal)/(L)</b>	150 – 5000 / 568 - 18927	
Technical Specifications For NP Tank Accessories		
Stainless Steel Coils		
<b>Model</b>	MFG-StorMaxx-NP-A-CSS-8080-3/4IN-4FT	MFG-StorMaxx-NP-A-CSS-8080-3/4IN-6FT
<b>Material</b>	3/4" Corrugated Stainless Steel	3/4" Corrugated Stainless Steel
<b>Coil Dimensions – D x H (in)/(m)</b>	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.

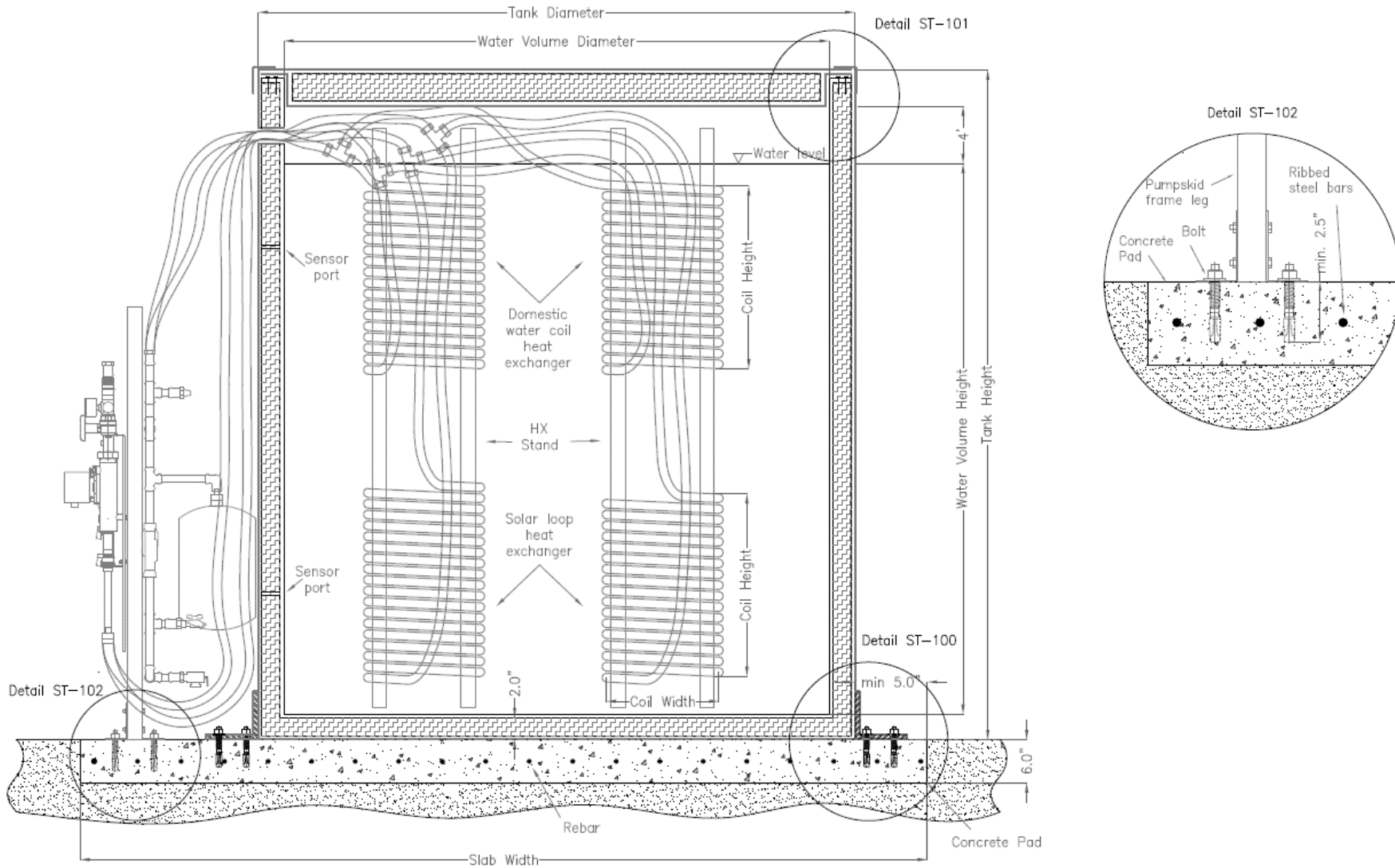


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## Solar Hot Water Storage Tanks



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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
StorMaxx-SE-080-2HX-EE	80 / 300	276 / 125	23.6 / 600	70.5 / 1790.7	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/m<sup>3</sup>
- ✓ Max Working Pressure: 116 PSI / Max Testing Pressure: 174 PSI
- ✓ Max Temperature: 203F

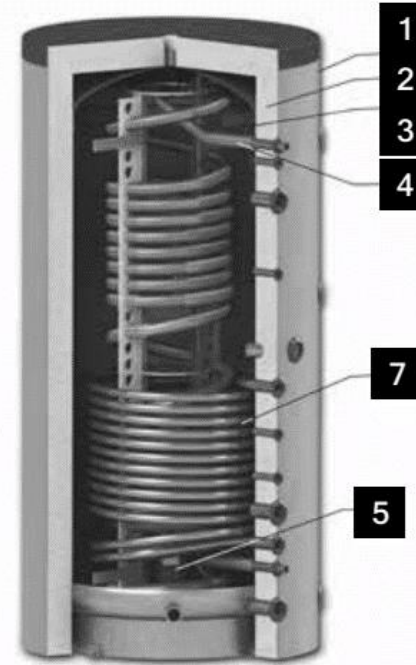
Connection	Port Sizes
Warm Water	3/4" NPT M
Cold Water	3/4" NPT M
Safety Valve Connection	3/4" NPT F
Drain Valve Connection	3/4" NPT F



## 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 <sup>2</sup>
Heat Exchanger Capacity (Bottom)	4.9 G
Heat Exchanger Surface Area (Bottom)	32.3 FT <sup>2</sup>
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

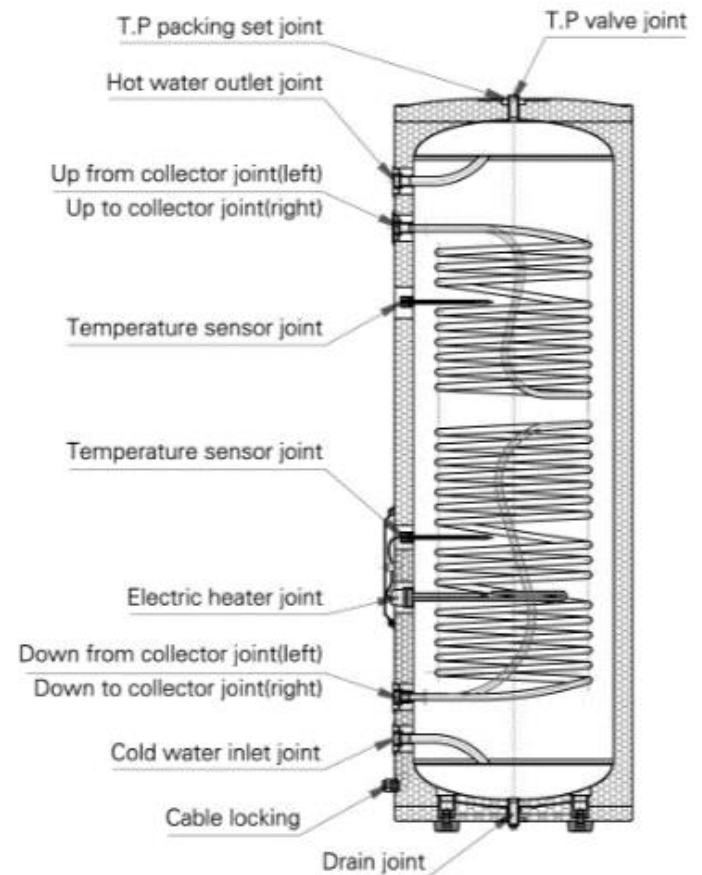
Model	Volume (gal)/(L)	Weight (lbs)/(kg)	Diameter (in)/(mm)	Height (in)/(mm)	Coil heat exchange area (ft <sup>2</sup> )		Insulation (in)/(mm)
<b>StorMaxx-ETEC-80-2HX</b>	80 / 300	175 / 79	22.5 / 570	69 / 1755	6.4*	10.2**	1.77 / 45
<b>StorMaxx-ETEC-105-2HX</b>	105 / 400	227 / 103	27.6 / 700	61 / 1550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

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



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