

## VELUX solar storage tank with boiler backup

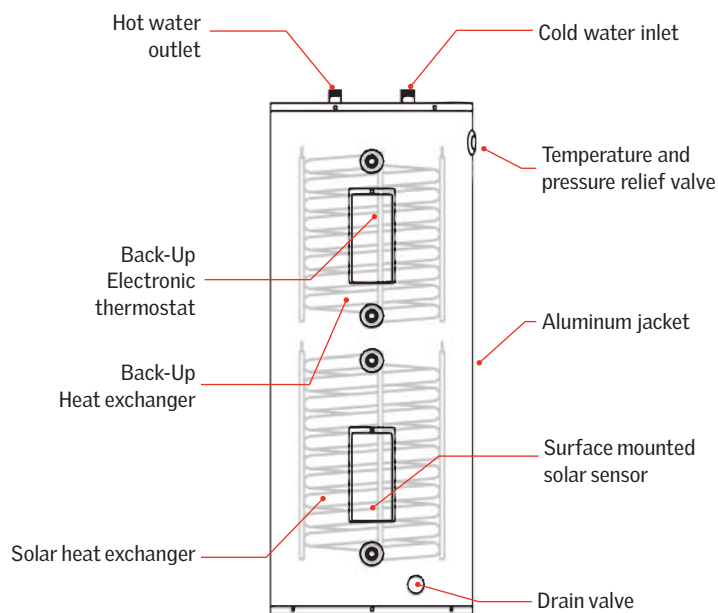
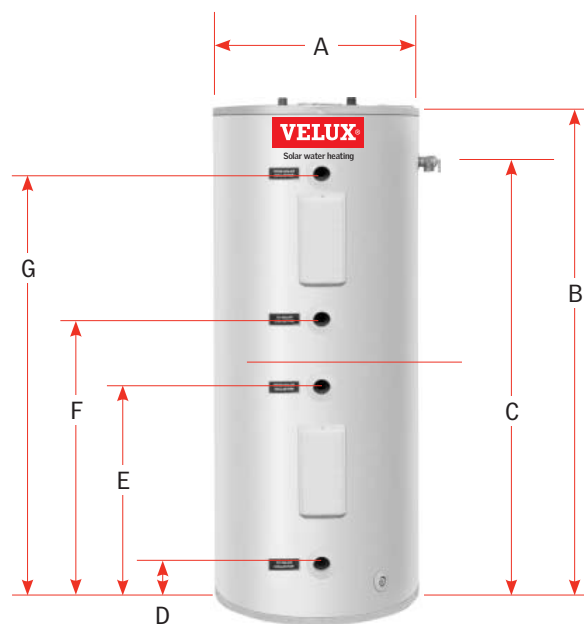


### VELUX boiler backup tanks feature:

- Glass Lined Steel Tank – Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- Glass lining – VELUX tanks are lined with an engineered enamel formula that provides superior protection from the highly corrosive effects of hot water. This formula is fused to the steel surface by firing at a temperature of over 1600°F.
- Three Protective Aluminum Anode Rods – Provide added protection against corrosion for long trouble-free service.
- 2" Non-CFC Foam Insulation – Covers the sides and top of tank, reducing the amount of heat loss. This results in a tank R-value of R-17, less energy consumption, improved operation efficiencies, and jacket rigidity.
- Solar Heat Exchanger – Internal double wall 1½" O.D. glass coated steel coil, with atmospherically vented positive leak detection, ensures separation of potable water and heating fluid. Coil has a heat transfer area of 14.2 sq. ft. and a stored water volume of 2.5 gal. Maximum operating pressure of 150 psi and maximum supply temperature from the solar collector of 250°F.
- Back-up Heat Exchanger – Single wall 1½" O.D. glass coated steel coil for enhanced heat transfer capability.
- Sensor Wires for Solar Thermistor Connections – Twisted wires are provided under the Upper and Lower covers. These wires have been provided as a means for connecting thermistors to the solar controller.
- Solar Supply and Return Connections – 3/4" NPT female connections are located on the front for both the solar collector supply and return.
- Back-up Supply and Return Connections – 1" NPT female connections are located on the front for both the back-up system supply and return.
- Potable Water Connections – 3/4" NPT factory installed true dielectric fittings with integral heat traps extend water heater life and eases installation.
- T&P Relief Valve – Included
- Brass Drain Valve – Tamper proof
- Meet or exceed ASHRAE 90.1b (current standard)



# SWH | Solar water heating



## VELUX solar storage tank dimensions

MODEL #	GAL	Dimensions						
		A	B	C	D	E	F	G
TFF 060 1205US	55	22"	59 <sup>1</sup> / <sub>4</sub> "	53"	5 <sup>3</sup> / <sub>8</sub> "	27 <sup>1</sup> / <sub>2</sub> "	37 <sup>1</sup> / <sub>2</sub> "	56"
TFF 080 1205US	70	24"	59 <sup>1</sup> / <sub>4</sub> "	53"	5 <sup>3</sup> / <sub>8</sub> "	27 <sup>1</sup> / <sub>2</sub> "	37 <sup>1</sup> / <sub>2</sub> "	56"
TFF 120 1205US	110	28 <sup>1</sup> / <sub>4</sub> "	62 <sup>3</sup> / <sub>4</sub> "	55 <sup>3</sup> / <sub>4</sub> "	5 <sup>3</sup> / <sub>8</sub> "	27 <sup>1</sup> / <sub>2</sub> "	39 <sup>1</sup> / <sub>4</sub> "	57 <sup>3</sup> / <sub>4</sub> "

## VELUX solar storage tank connections and weight

MODEL #	Solar heat exchanger inlet/outlet connection sizes	Back-up heat exchanger inlet/outlet connection sizes	Hot/cold potable water connection sizes	Shipping weight (lbs)
TFF 060 1205US	3/4" NPT	1" NPT	3/4" NPT	282
TFF 080 1205US	3/4" NPT	1" NPT	3/4" NPT	313
TFF 120 1205US	3/4" NPT	1" NPT	3/4" NPT	442

## VELUX solar storage tank specs

MODEL #	Solar HX volume gallons	Heated water volume of back up	Recovery of back up in minutes		Boiler output for test recovery	First hour supply (gal)	
			77° rise	90° rise		77° rise	90° rise
TFF 060 1205US	2.5 gal	27 gal	13 min	15 min	80,000 BTU/ HR	144 gal	126
TFF 080 1205US	2.5 gal	37 gal	16 min	18 min	90,000 BTU/ HR	166 gal	146
TFF 120 1205US	2.5 gal	67 gal	26 min	30 min	100,000 BTU/HR	203 gal	180

All water heaters are certified at 300 PSI test pressure and 150 PSI working pressure. All potable water connections are 3/4" NPT on 8" centers. All models are UL listed.

Suitable for water (potable) heating and space heating. Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into the potable side of this system. The potable side may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.

VELUX reserves the right to make product changes or updates without notice. VELUX will not be held liable for typographical errors in literature. For questions, please consult the factory.