

Chauffe eau solaire Thermosiphon série LX

Systeme complet

Model		150 tank	151 system	180 tank	181 system	182 system	220 tank	221 system	222 system	300 tank	301 system	302 system	303 system	440 tank	443 system	444 system
Tank model																
L		150L	✓	180L	✓	✓	220L	✓	✓	300L	✓	✓	✓	440L	✓	✓
L Free Heat		-	-	180LF	✓	✓	-	-	-	300LF	✓	✓	✓	-	-	-
Collector model			L		L	L		L	L		L	L	L		L	L
No of collectors			1		1	2		1	2		1	2	3		3	4
Storage capacity	litres	150	150	180	180	180	220	220	220	300	300	300	300	400	400	400
	US gal	40	40	48	48	48	58	58	58	80	80	80	80	106	106	106
Boost capacity (electric)	litres	75	75	90	90	90	110	110	110	150	150	150	150	200	200	200
	US gal	20	20	24	24	24	29	29	29	40	40	40	40	53	53	53
Weight empty	kg	49	86	55	92	125	64	101	138	81	118	151	184	124	250	260
	lbs	108	190	121	203	276	141	223	304	179	260	333	406	273	551	573
Weight full	kg	199	239	235	275	311	284	324	364	381	421	457	493	564	676	712
	lbs	439	527	518	606	686	626	714	802	840	928	1008	1087	1243	1490	1570
A – Width*	m	1.40	1.45	1.62	1.67	2.37	1.88	1.99	2.20	2.43	2.48	2.48	3.37	3.41	3.49	4.44
	in	55.1	57.1	63.8	66.8	93.3	74.0	78.4	86.6	95.7	97.6	97.6	132.7	134.3	137.4	174.8
B – Length*	m	0.51	2.53	0.51	2.53	2.53	0.51	1.72	2.53	0.51	1.72	2.53	2.53	0.51	2.53	2.53
	in	20.1	99.6	20.1	99.6	99.6	20.1	67.7	99.6	20.1	67.7	99.6	99.6	20.1	99.6	99.6

* An Additional 0.9m (35.4in) should be left on all four sides of the installation for safe access and servicing.

The L and L Free Heat systems (if installed with a TRV system) can be installed as a solar preheater with a Solahart inline gas booster water heater. Refer to the Solahart gas booster specification sheet for further details on the gas booster.

Capteur L

Aperture (heating) area	m ²	1.87	ft ²	20	
Dimensions	length	mm	1937	in	76.3
	width	mm	1022	in	40.3
	height	mm	77	in	3.0
Capacity	litres	3	US gal	0.8	
Weight	empty	kg	33	lbs	73
	full	kg	36	lbs	79
Working pressure	kPa	1000	psi	145	
Absorber surface	Black polyester powder coat				
Absorber material	Aluminium				
Riser material	Copper tube				
Tray material	0.7 mm aluminium				
Insulation material - base	38 mm polyester blanket				
Glass	3.2 mm tempered low iron				

Appoint électrique

Heating unit type	Copper sheath immersion element			
Supply voltage	220 V – 250 V			
Recovery rate (litres/hour) @ 240 V and temperature rise of:				
Rating kW	Current Amps	30°C litres/hour	40°C litres/hour	50°C litres/hour
1.8	8	51	39	31
2.4	10	68	52	41
3.6	15	103	77	62
4.8	20	137	103	83

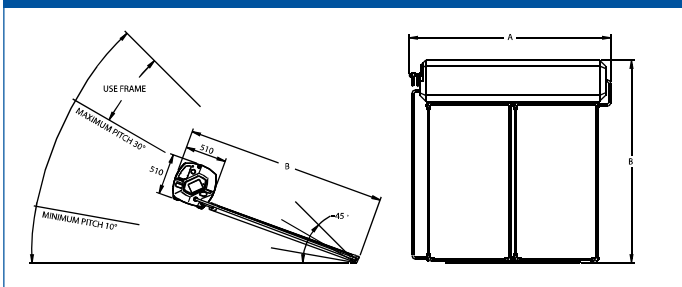
Water Supply

TPR valve setting	kPa	1000	psi	145
ECV* setting	kPa	850	psi	125
Max. supply pressure with ECV without ECV	kPa	680	psi	100
	kPa	800	psi	115
Water Connections	cold	RP ¾ / 20		
	hot	R ½ / 15		

*Expansion Control Valve.

Technical data is subject to change.

L and L Free Heat



Energy Tip: When installing your solar water heater, install minimum 3 star rated shower roses and flow restrictors to your taps if you don't already have them. This will not only save water but make your solar savings go further.