

'Seasonal efficiency' and 'storage losses' are key requirements of SBEM, and details should be entered into the software, as follows:-

- Seasonal efficiency – product details are included in column 1, but additional efficiency credits are also available (columns 2 and 3). Effective seasonal efficiency when all credits are applied is available in column 4
- Standing losses – measured in MJ/Month or KW/l/day, the figures are shown in column 5

Storage Type Water Heaters						
Model	1	2	3	4	5	
	Efficiency					
	Heat generator seasonal efficiency	Credit-correct sizing of water heater confirmed by Manufacture	Credit -fully automatic ignition controls	Effective heat generator seasonal efficiency - using all credits available	Heat Loss MJ/Month	Heat Loss Kw/l/day
EcoCharger						
ECH32-220 GCE	96	2	0.5	98.5	460	0.019
ECH33-370 GCE	98	2	0.5	100.5	515	0.0126
ECH52-370 GCE	96	2	0.5	98.5	515	0.0126
ECH63-370 GCE	95	2	0.5	97.5	515	0.0126
ECH87-480 GCE	97	2	0.5	99.5	733	0.0137
ECH106-480 GCE	95	2	0.5	97.5	733	0.0137
ECH129-480 GCE	95	2	0.5	97.5	733	0.0137
EcoShield						
SHW35-245	96.2	2	0.5	98.7	302	0.0113
SHW46-325	93.6	2	0.5	96.1	302	0.0085
SHW61-325	95.4	2	0.5	97.9	302	0.0085
SHW86-410	95.4	2	0.5	97.9	302	0.0067
SHW116-410	94.6	2	0.5	97.1	302	0.0067
SHW146-410	96.4	2	0.5	98.9	302	0.0067
EcoSword						
LGC160-210 CE	96	2	0.5	98.5	236.5	0.0103
LGC160-350 CE	95	2	0.5	97.5	252	0.0066
LGC200-210 CE	98	2	0.5	100.5	236.5	0.0103
LGC200-350 CE	95	2	0.5	97.5	252	0.0066
LGC245-420 CE	96	2	0.5	98.5	289	0.0063
LGC245-560 CE	95	2	0.5	97.5	325.8	0.0046
LGC285-420 CE	97	2	0.5	99.5	289	0.0063
LGC285-560 CE	96	2	0.5	98.5	325.8	0.0046
LGC380-560 CE	97	2	0.5	99.5	318	0.0046
EcoSable						
LGSS200-600	92.2	2	0.5	94.7	225	0.011
LGSS200-780	92.4	2	0.5	94.9	225	0.011



Instantaneous Water Heaters					
Model	1	2	3	4	5
	Efficiency				Heat Loss MJ/Month
	Heat generator seasonal efficiency	Credit-correct sizing of water heater confirmed by Manufacture	Credit -fully automatic ignition controls	Effective heat generator seasonal efficiency - using all credits available	
Impetus					
IM550	96	2	0.5	98.5	N/A
IM750	95	2	0.5	97.5	N/A
IM1250	96	2	0.5	98.5	N/A
Circulating type Water Heaters					
Model	1	2	3	4	5
	Efficiency				Heat Loss MJ/Month
	Heat generator seasonal efficiency	Credit-correct sizing of water heater confirmed by Manufacture	Credit -fully automatic ignition controls	Effective heat generator seasonal efficiency - using all credits available	
EF80*	94.5	2	0.5	97	N/A
EF100*	95	2	0.5	97.5	N/A
EF120*	94	2	0.5	96.5	N/A
EF150*	94	2	0.5	96.5	N/A
EF180*	94.5	2	0.5	97	N/A
EKW46 CE*	96.4	2	0.5	98.9	N/A
EKW61 CE*	95.6	2	0.5	98.1	N/A
EKW86 CE*	95.6	2	0.5	98.1	N/A
EKW116 CE*	93.2	2	0.5	95.7	N/A
EKW146 CE*	96.7	2	0.5	99.2	N/A
EKW176 CE*	95	2	0.5	97.5	N/A
EKW206 CE*	95.1	2	0.5	97.6	N/A
EKW236 CE*	95.3	2	0.5	97.8	N/A

* use heat loss from the LST or SST direct storage vessel used

Direct Storage Vessels		
Model	Heat Loss kW/l/day	Heat Loss MJ/Month
LST Range		
LST 66 CE	0.0042	145
LST 100 CE	0.0039	176
LST 110 CE	0.0037	205
LST 130 CE	0.0028	202
LST 165 CE	0.0028	223
LST 220 CE	0.0019	239
SST Range		
SST66	0.0068	224
SST110	0.0056	305
SST165	0.0042	324
SST220	0.0034	376



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SBEM DATA SHEET

Indirect Water Heaters		
Model	Heat Loss kW/l/day	Heat Loss MJ/Month
Squire Indirect Single Coil		
SIVS 66 CE	0.0042	145
SIVS 100 CE	0.0039	176
SIVS 110 CE	0.0037	205
SIVS 130 CE	0.0028	202
SIVS 165 CE	0.0028	223
SIVS 220 CE	0.0019	239
Squire Indirect Twin Coil		
SIVT 66 CE	0.0042	145
SIVT 100 CE	0.0039	176
SIVT 110 CE	0.0037	205
SIVT 130 CE	0.0028	202
SIVT 165 CE	0.0028	223
SIVT 220 CE	0.0019	239
Squire Stainless Single Coil		
SIT300 CE	0.002	151
SIT450 CE	0.002	177
SIT600	0.005	320
SIT900	0.004	365
SIT1100	0.004	370
SIT1400	0.003	450
SIT1900	0.002	410
SIT2500	0.002	540
SIT3000	0.002	650
Squire Stainless Twin Coil		
SDT300 CE	0.002	151
SDT450 CE	0.002	177
SDT600	0.005	320
SDT900	0.004	365
SDT1100	0.004	370
SDT1400	0.003	450
SDT1900	0.002	410
SDT2500	0.002	540
SDT3000	0.002	650