

SOLAR X

2.0 CONTROLLER

SOLAR X - DIRECT AND INDIRECT
120 | 150 | 180 | 210 | 250 | 300 LITRES

SOLAR X SLIMLINE - DIRECT AND INDIRECT
120 | 150 | 180 | 210 LITRES

550 MM
SLIMLINE 475 MM



930-1989 MM
SLIMLINE 1240 -1950 MM

Embedded Solar Diverter Details

Thermostat cut-out temperature	80°C
Immersion heater(s) rating	230-240 V ~ 2.7-3.0KW
Immersion heater(s) specification	EN 60335-2-73
Immersion heater(s) type	356mm Incoloy/Ti
Modulation range	30W-3000W
Immersion heater(s) type	100W

SOLAR X DIRECT

Specification	120L	150L	180L	210L	250L	300L
Product Code	MX-120-ELE-550-PVE	MX-150-ELE-550-PVE	MX-180-ELE-550-PVE	MX-210-ELE-550-PVE	MX-250-ELE-550-PVE	MX-300-ELE-550-PVE
Nominal Capacity (L)	120	150	180	210	250	300
ErP Rating	B	B	B	B	C	C
Connection Size/Type	22mm comp					
Insulation type	CFC/HCFC free polyurethane foam					
Insulation Thickness (mm)	50					
Immersion Heater Rating (kW)	3					
Electrical supply	16A, 230 - 240 V~					
Height (mm)	930	1117	1305	1493	1743	1989
Diameter (mm)	550	550	550	550	550	550
Weight Empty (kg)	24.2	26.4	30.2	33.6	37.6	42
Weight Full (kg)	140.7	173.2	205.2	239.4	280.2	326
Standing Heat Loss (kWh/24h)	0.86	0.91	0.96	1.01	1.34	1.68
Standing Heat Loss (W)	35.83	37.92	40.00	42.08	55.83	70.00
Min. Reheat Time 15-65°C	44 mins	44 mins	44 mins	44 mins	44 mins	44 mins
70% Charge Reheat Time 15-65°C	98 mins	123 mins	147 mins	172 mins	205 mins	245 mins
100% Charge Reheat Time 15-65°C	140 mins	176 mins	210 mins	246 mins	293 mins	350 mins

SOLAR X DIRECT SLIMLINE

Specification	120L	150L	180L	210L
Product Code	MX-120-ELE-475-PVE	MX-150-ELE-475-PVE	MX-180-ELE-475-PVE	MX-210-ELE-475-PVE
Nominal Capacity (L)	120	150	180	210
ErP Rating	B	B	B	B
Connection Size/Type	22mm comp			
Insulation type	CFC/HCFC free polyurethane foam			
Insulation Thickness (mm)	50			
Immersion Heater Rating (kW)	3			
Electrical supply	16A, 230 - 240 V~			
Height (mm)	1247	1518	1790	1962
Diameter (mm)	475	475	475	475
Weight Empty (kg)	25	26.2	32.4	35.4
Weight Full (kg)*	143	173	208.4	231.4
Standing Heat Loss (kWh/24h)	1.25	1.42	1.51	1.58
Standing Heat Loss (W)	52.08	59.17	62.92	65.83
Min. Reheat Time 15-65°C	32 mins	32 mins	32 mins	32 mins
70% Charge Reheat Time 15-65°C	98 mins	123 mins	147 mins	172 mins
100% Charge Reheat Time 15-65°C	140 mins	176 mins	210 mins	246 mins

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SOLAR X INDIRECT

Specification	150L	180L	210L	250L	300L
Product Code	MX-150-IND-550	MX-180-IND-550	MX-210-IND-550	MX-250-IND-550	MX-300-IND-550
Nominal Capacity (L)	150	180	210	250	300
ErP Rating	B	B	B	C	C
Connection Size/Type	22mm comp				
Insulation type	CFC/HCFC free polyurethane foam				
Insulation Thickness (mm)	50				
Immersion Heater Rating (kW)	3				
Electrical supply	16A, 230 - 240 V~				
Height (mm)	1117	1305	1493	1743	1989
Diameter (mm)	550	550	550	550	550
Weight Empty (kg)	28.2	32.2	35.2	39.8	44.6
Weight Full (kg)	178.2	212.2	245.2	289.8	344.6
Coil Rating (kW)	18.3	19.4	19.9	20.7	23.6
BRE Appendix Q Standing Heat Loss (kWh/24h)	0.91	0.96	1.01	1.34	1.68
Standing Heat Loss (kWh/24h)	1.42	1.58	1.74	1.94	2.16
Standing Heat Loss (W)	59.17	65.83	72.50	80.83	90.00
Min. Reheat Time 15–65°C	11 mins	11 mins	12 mins	12 mins	12 mins
25% Charge Reheat Time 15–65°C	11 mins	11 mins	12 mins	12 mins	12 mins
70% Charge Reheat Time 15–65°C	20 mins	22 mins	26 mins	30 mins	31 mins
100% Charge Reheat Time 15–65°C	29 mins	31 mins	37 mins	42 mins	44 mins

SOLAR X INDIRECT SLIMLINE

Specification	120L	150L	180L	210L
Product Code	MX-120-IND-475-PVE	MX-150-IND-475-PVE	MX-180-IND-475-PVE	MX-210-IND-475-PVE
Nominal Capacity (L)	120	150	180	210
ErP Rating	B	C	C	C
Connection Size/Type	22mm comp			
Insulation type	CFC/HCFC free polyurethane foam			
Insulation Thickness (mm)	50			
Immersion Heater Rating (kW)	3			
Electrical supply	16A, 230 - 240 V~			
Height (mm)	1247	1518	1790	1962
Diameter (mm)	475	475	475	475
Weight Empty (kg)	26.6	30.4	34.8	37
Weight Full (kg)	146.6	180.4	214.8	247
Coil Rating (kW)	17.8	18.3	19.4	19.9
BRE Appendix Q Standing Heat Loss (kWh/24h)	1.25	1.42	1.51	1.58
Standing Heat Loss (kWh/24h)	1.36	1.6	1.82	1.98
Standing Heat Loss (W)	56.67	66.67	75.83	82.50
Min. Reheat Time 15–65°C	11 mins	11 mins	11 mins	11 mins
70% Charge Reheat Time 15–65°C	13 mins	15 mins	17 mins	20 mins
100% Charge Reheat Time 15–65°C	19 mins	21 mins	24 mins	29 mins