

Technical Information

Model	TH6-150U M3	TH9-150U M3	TH6-185U M3	TH9-185U M3	TH6-210U M3	TH9-210U M3	TH12-210U M3	TH9-250U M3	TH12-250U M3	TH9-330U M3	TH12-330U M3	TH12-450U M3
Height (mm)	1670	1670	1850	1850	1650	1650	1650	1880	1880	1950	1950	1930
Width (mm)	550	550	550	550	630	630	630	630	630	630	630	750
Depth (mm)	610	610	610	610	730	730	730	730	730	730	730	880
Capacity (L)	137	137	168	168	200	200	200	238	238	300	300	450
Max System capacity (L) @ 10° c	200	200	240	240	310	310	310	360	360	470	470	580
Lift Weight (kg)	40	40	55	55	70	70	70	75	75	80	80	110
Total Weight (kg)	50	50	65	65	80	80	80	85	85	90	90	120
Weight When Full (kg)	200	200	233	233	278	278	278	315	315	405	405	570
PERFORMANCE - ENERGY OUTPUT												
Output heating 1 (kw) see below	6	9	6	9	6	10	13	10	13	10	14	15
DHW flow rate @ 35°C Δ† (L/min)	14-16	14-16	14-16	14-16	14-16	20	20	20	20	25	25	25
DHW available for use (L) see below	170	170	200	200	240	250	260	300	310	390	400	500
Heating & HW available with full store completely charged to maximum temperature and power on to boiler For a limited period only depending on energy being drawn off, before reducing back to the boiler input figure shown.												
Heat up from 10°C - 75° Δ† (mins)	106	70	127	85	152	101	76	120	109	152	144	197
Re-heat 70% (mins)	75	49	88.9	59.5	106.4	70.7	53.2	84	68.4	106.4	79.8	138
min water supply pressure (bar)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)	0.9 (90KPA)
Max cold supply pressure	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
max system pressure - (bar)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
max heating system content (excluding store volume) - primary (L)	70	70	80	80	110	110	110	130	130	150	150	170
expansion vessel charge pressure primary (bar)	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
expansion vessel charge pressure secondary (bar)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)
safety valve - preset (bar)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
Connections	Compression	Compression	Compression	Compression	Compression	Compression	Compression	Compression	Compression	Compression	Compression	Compression
Ch - Flow & return (mm)	22	22	22	22	22	22	22	22	22	22	22	22
Domestic cold inlet (mm)	22	22	22	22	22	22	22	22	22	22	22	22
Domestic hot outlet (mm)	22	22	22	22	22	22	22	22	22	22	22	22
safety Relief valve (mm)	15	15	15	15	15	15	15	15	15	15	15	15
ELECTRICAL SUPPLY OFF - PEAK												
Boiler power rating (kw)	6	9	12	9	9	9	12	9	12	9	12	12
Rated voltage single phase ~ (V)	~240	~240	~240	~240	~240	~240	~240	~240	~240	~240	~240	~240
Rated Current (A)	25	40	52	40	25	40	52	40	52	40	52	52
ELECTRIC SUPPLY 24HR DOMESTIC												
Total Power Consumption of controls (W)	45	45	45	45	45	45	45	45	45	45	45	45
Rated Voltage single phase ~ (V)	~240	~240	~240	~240	~240	~240	~240	~240	~240	~240	~240	~240
Rated current (A)	3	3	3	3	3	3	3	3	3	3	3	3
ENERGY EFFICIENCY RATING - 99.9%												
ERP (Energy Rated Performance)	C	C	C	C	B	B	B	B	B	B	B	C
Insulation (mm)	50	50	50	50	75	75	75	75	75	50	50	75
Cylinder Heat Loss kW/Hour	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.5

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