

## Technical Information

Model	TH3-185U-CB-G	TH3-200U-CB-G	TH3-250U-CB-G	TH3-300U-CB-G	TH3-450U-CB-G
Height (mm)	1850	1600	1860	1940	1930
Width (mm)	600	680	680	680	800
Depth (mm)	610	730	730	730	880
Capacity (L)	168	200	238	300	450
Max System capacity (L) @ 10° c (incl. buffer vol.)	240	310	360	440	580
Lift Weight (kg)	65	80	85	90	120
Total Weight (kg)	75	90	95	100	130
Weight When Full (kg)	245	280	325	415	580

### PERFORMANCE - ENERGY OUTPUT

DHW flow rate @ 35°C Δ† (L/min)	12--18	12--18	12--18	12--18	12--18
DHW available for use (L) see below	185	200	250	300	450

Hot water takes priority over heating. Available HW volumes quoted are based on the buffer being recovered to its maximum temperature.

Heat Loss W/hr	73	52	52	111	92
min water supply pressure (bar)	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)
max system pressure - (bar)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
max heating system content (excluding store volume) - primary (L)	80	110	130	150	150
expansion vessel charge pressure primary (bar)	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)
safety valve - preset (bar)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
Connections	Compression	Compression	Compression	Compression	Compression
Ch - Flow & return (mm)	22	22	22	22	22
Primary Flow & return (mm)	22	22	22	22	22
Domestic cold inlet (mm)	22	22	22	22	22
Domestic hot outlet (mm)	22	22	22	22	22
safety Relief valve (mm)	15	15	15	15	15

### ELECTRICAL SUPPLY

Buffer power rating (kw)	3	3	3	3	3
Rated voltage single phase ~ (V)	~240	~240	~240	~240	~240
Rated Current (A)	12.5	12.5	12.5	12.5	12.5
Total Power Consumption of controls (W)	45	45	45	45	45

### ENERGY EFFICIENCY RATING - 99.9%

ERP (Energy Rated Performance)	C	B	B	B	C
Insulation (mm)	50	75	75	50	75
Cylinder Heat Loss kW/Hour	1.5	1.5	1.5	1.7	1.5

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