

DHW Design Calculations	
Project Reference: Paul-II11 5uy	

System Details	
Hot Water Temperature Required (°C)	50
Heat losses associated with hot water storage (°C)	5
Incoming water temperature (°C)	10
Pipework Efficiency from HP to Cylinder (%)	75
Legionella purge	Yes
Legionella purge frequency	Weekly
Legionella purge hours (per day or per week)	1
Legionella total purge hours	52
Legionella purge demand (Annual) (kWh/yr)	0
Legionella purge demand (Daily) (kWh/yr)	0
Total annual demand (kWh/yr)	5094
Heat supplied by primary heat source (kWh/yr)	5094
Heat supplied by auxiliary heat source (kWh/yr)	0
Heat supplied by immersion heater (kWh/yr)	0

Primary & Auxiliary Heat Source Details	
Output Capacity of Primary Heat Source (kW)	24
Flow temp while providing hot water (°C)	55
Efficiency of Auxiliary Heat Sources (%)	0
kW Capacity (kW)	0

DHW Cylinder Details	
Make	joule
Model	170
EN8558 DHW capacity calculation (ltr)	225
DHW chosen cylinder capacity (ltr)	170
Electric immersion heater size (If required)	0
DHW Cylinder Recovery Rate (mins)	22