

DHW Design Calculations	
Project Reference: 49886157	

System Details	
Hot Water Temperature Required (°C)	045
Heat losses associated with hot water storage (°C)	5
Incoming water temperature (°C)	10
Pipework Efficiency from HP to Cylinder (%)	85
Legionella purge	Yes
Legionella purge frequency	Weekly
Legionella purge hours (per day or per week)	01
Legionella total purge hours	52
Legionella purge demand (Annual) (kWh/yr)	156
Legionella purge demand (Daily) (kWh/yr)	0.43
Total annual demand (kWh/yr)	4720
Heat supplied by primary heat source (kWh/yr)	4720
Heat supplied by auxiliary heat source (kWh/yr)	0
Heat supplied by immersion heater (kWh/yr)	156

Primary & Auxiliary Heat Source Details	
Output Capacity of Primary Heat Source (kW)	016
Flow temp while providing hot water (°C)	50
Efficiency of Auxiliary Heat Sources (%)	0
kW Capacity (kW)	0

DHW Cylinder Details	
Make	Gledhill
Model	HP plus
EN8558 DHW capacity calculation (ltr)	270
DHW chosen cylinder capacity (ltr)	0300
Electric immersion heater size (If required)	03
DHW Cylinder Recovery Rate (mins)	52