


## CALORIFIERS (UN-VENTED)

REFERENCE:		C1	C2	
	<b>DESIGN INFORMATION</b>	System	City Hot Water Service (cHWS)	Hose Station / Boot Wash (hHWS)
	Equipment Description	HWS Calorifier		
	Construction	Steel		
	Type	Un-Vented		
	No off	1		
	Diameter	1,050 mm	750 mm	
	Height	2,850 mm	1,900 mm	
	Storage Capacity	2,500 L	700 L	
	Static Height	7 m	7 m	
	Secondary Working Pressure	6 bar	6 bar	
	Secondary Test Pressure (bar)	10 bar	10 bar	
	Secondary HWS Flow Rate	0.97 l/s	0.3 l/s	
	Connection Sizes -			
	<i>Primary</i>	40 mm	32 mm	
	<i>HWS Flow &amp; CF</i>	50 mm	25 mm	
	<i>Secondary R</i>	25 mm	25 mm	
	<i>Drain</i>	15 mm	15 mm	
	<i>Gauges</i>	Storage Temp, safety valve, Pressure	Storage Temp, safety valve, Pressure	
	Pre-Heat period	1.0 hrs	1.0 hrs	
	Storage Temp (LTHW)	65 degC	65 degC	
	Cold Fill Temp	10 to 65 depending on compressor heat recovery & HWS load	10 to 65 depending on compressor heat recovery & HWS load	
	Heating Capacity (LTHW)	160 kW	45 kW	
	<b>By Others</b>	Expansion Vessel Size	600 L	400 L
		Heating Medium	LTHW	LTHW
		LTHW Flow Temperature	80 degC	80 degC
	LTHW Return Temperature	60 degC	60 degC	
	LTHW Water Flow Rate	1.91 l/s	0.53 l/s	
	LTHW Pressure Drop	<12 kPa	<12 kPa	
	Electric Immersion (Titanium)	None	None	
	Insulation	100mm rigid section rockwool, Isogenopak finish	100mm rigid section rockwool, Isogenopak finish	
	Access Manhole	Yes	Yes	
	Comments	Fed from compressed air heat recovery. C/W unvented supply kit, sacrificial anode & access manhole	Twin coil: Lower coil fed from compressed air heat recovery. Upper coil connected to HWS Primaries. C/W unvented supply kit & magnesium sacrificial anodes	
<b>INSTALLATION DATA</b>	Manufacturers Name	Rycroft	Rycroft	
	Model /Type			
	Installation Date	2014	2014	
	Life Expectancy (yrs)	20	20	
	Initial Value (£)			
<b>LOCATION</b>	Building Name	Example Name	Example Name	
	Building Reference	Example Reference	Example Reference	
	Floor	Ground	Ground	
	Grid Ref (x-y) coord			
	Room Name	Boiler Room	Boiler Room	
<b>ELECTRICAL DATA</b>	Electricity Supply			
	Power (kW)			