Energy Facts - Glide Dry Heat B. Marie & Hotcupboard (No Gantry/ With Heated Gantry)

ASSUMPTIONS: Heated Display Unit switched on for 8 hours per 24, Heated Display Unit Used 7 days Per Week,
Heated Display Unit is in standby for 16 hours per 24, Lights off in standby, Average room temp. 18 deg C 50 % RH.
Electric Cost - 18.000p/kWh - Average Business Rate - June 2023.

Glide Dry Heat B. Marie & Hotcupboard (With Heated Gantry)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM2 + GHG2	Measured average w per hour (Using Qualistar CA 8335)	2076	2.076	16.608	6,061.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 750w				
(+ Hot Gantry)	B. Marie Element Off - Reached Temp. (3.4 hrs in 8)	750	0.75	2.55	930.75
	Hot Cupboard Fan On (8 hrs in 24) 26w				
GHBM2 + GHIG2	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
Glide	Hot Cupboard Element On (8 hrs in 24) 900w				
(Dry B. Marie + Hot Cupbd).	Hot Cupboard Element Off - Reached Temp. (3.4 hrs in 8)	900	0.9	3.06	1,116.90
(+ Hot Island Gantry)	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
	Quartz Infra Red Lamps On (8 hrs in 24) 400w				
	Quartz Infra Red Lamps Off - In Standby (16 hrs in 24) 400w				
				kwh/year	4,014.27
				Electric cost / year - 18.000 p/kWh	**£722.57**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	1.13

Glide Dry Heat B. Marie & Hotcupboard (No Gantry)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM2	Measured average w per hour (Using Qualistar CA 8335)	2576	2.576	20.608	7,521.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 750w				
(No Gantry)	B. Marie Element Off - Reached Temp. (4.4 hrs in 8)	750	0.75	3.3	1,204.50
	Hot Cupboard Fan On (8 hrs in 24) 26w				
	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
	Hot Cupboard Element On (8 hrs in 24) 1800w				
	Hot Cupboard Element Off - Reached Temp. (4.4 hrs in 8)	1800	1.8	7.92	2,890.80
	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
				kwh/year	3,426.62
				Electric cost / year - 18.000 p/kWh	**£616.79**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	0.96

Cost saving / year (£) Using No Gantry Model	**£105.78**
Cost saving / year (%) Using No Gantry Model	**14.64%**
CO2 emissions saving / year (tons)	**0.17**

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM3 + GHG3	Measured average w per hour (Using Qualistar CA 8335)	2526	2.526	20.208	7,375.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 1000w				
(+ Hot Gantry)	B. Marie Element Off - Reached Temp. (3 hrs in 8)	1000	1	3	1,095.00
	Hot Cupboard Fan On (8 hrs in 24) 26w				
GHBM3 + GHIG3	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
Glide	Hot Cupboard Element On (8 hrs in 24) 900w				
(Dry B. Marie + Hot Cupbd).	Hot Cupboard Element Off - Reached Temp. (3 hrs in 8)	900	0.9	2.7	985.50
(+ Hot Island Gantry)	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
	Quartz Infra Red Lamps On (8 hrs in 24) 600w				
	Quartz Infra Red Lamps Off - In Standby (16 hrs in 24) 600w				
				kwh/year	5,295.42
				Electric cost / year - 18.000 p/kWh	**£953.18**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	1.49

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM3	Measured average w per hour (Using Qualistar CA 8335)	2826	2.826	22.608	8,251.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 1000w				
(No Gantry)	B. Marie Element Off - Reached Temp. (3 hrs in 8)	1000	1	3	1,095.00
	Hot Cupboard Fan On (8 hrs in 24) 26w				
	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
	Hot Cupboard Element On (8 hrs in 24) 1800w				
	Hot Cupboard Element Off - Reached Temp. (3 hrs in 8)	1800	1.8	5.4	1,971.00
	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
				kwh/year	5,185.92
				Electric cost / year - 18.000 p/kWh	**£933.47**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	1.46

Cost saving / year (£) Using No Gantry Model	**£19.71**
Cost saving / year (%) Using No Gantry Model	**2.07%**
CO2 emissions saving / year (tons)	**0.03**

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM4 + GHG4	Measured average w per hour (Using Qualistar CA 8335)	2726	2.726	21.808	7,959.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 1000w				
(+ Hot Gantry)	B. Marie Element Off - Reached Temp. (2.3 hrs in 8)	1000	1	2.3	839.50
	Hot Cupboard Fan On (8 hrs in 24) 26w				
GHBM4 + GHIG4	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
Glide	Hot Cupboard Element On (8 hrs in 24) 900w				
(Dry B. Marie + Hot Cupbd).	Hot Cupboard Element Off - Reached Temp. (2.3 hrs in 8)	900	0.9	2.07	755.55
(+ Hot Island Gantry)	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
	Quartz Infra Red Lamps On (8 hrs in 24) 800w				
	Quartz Infra Red Lamps Off - In Standby (16 hrs in 24) 800w				
				kwh/year	6,364.87
				Electric cost / year - 18.000 p/kWh	**£1,145.68**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	1.79

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM4	Measured average w per hour (Using Qualistar CA 8335)	2826	2.826	22.608	8,251.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 1000w				
(No Gantry)	B. Marie Element Off - Reached Temp. (3 hrs in 8)	1000	1	2.3	839.50
	Hot Cupboard Fan On (8 hrs in 24) 26w				
	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
	Hot Cupboard Element On (8 hrs in 24) 1800w				
	Hot Cupboard Element Off - Reached Temp. (3 hrs in 8)	1800	1.8	4.14	1,511.10
	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
				kwh/year	5,901.32
				Electric cost / year - 18.000 p/kWh	**£1,062.24**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	1.66

Cost saving / year (£) Using No Gantry Model	**£83.44**
Cost saving / year (%) Using No Gantry Model	**7.28%**
CO2 emissions saving / year (tons)	**0.13**

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM5 + GHG5	Measured average w per hour (Using Qualistar CA 8335)	2926	2.926	23.408	8,543.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 1000w				
(+ Hot Gantry)	B. Marie Element Off - Reached Temp. (2 hrs in 8)	1000	1	2	730.00
	Hot Cupboard Fan On (8 hrs in 24) 26w				
GHBM5 + GHIG5	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
Glide	Hot Cupboard Element On (8 hrs in 24) 900w				
(Dry B. Marie + Hot Cupbd).	Hot Cupboard Element Off - Reached Temp. (2.3 hrs in 8)	900	0.9	1.8	657.00
(+ Hot Island Gantry)	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
	Quartz Infra Red Lamps On (8 hrs in 24) 1000w				
	Quartz Infra Red Lamps Off - In Standby (16 hrs in 24) 1000w				
				kwh/year	7,156.92
				Electric cost / year - 18.000 p/kWh	**£1,288.25**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	2.01

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GHBM5	Measured average w per hour (Using Qualistar CA 8335)	2826	2.826	22.608	8,251.92
Glide	**Test Conditions As Below :**				
(Dry B. Marie + Hot Cupbd).	B.Marie Element On (8 hrs in 24) 1000w				
(No Gantry)	B. Marie Element Off - Reached Temp. (2 hrs in 8)	1000	1	2	730.00
	Hot Cupboard Fan On (8 hrs in 24) 26w				
	Hot Cupboard Fan Off - In Standby (16 hrs in 24)				
	Hot Cupboard Element On (8 hrs in 24) 1800w				
	Hot Cupboard Element Off - Reached Temp. (2 hrs in 8)	1800	1.8	3.6	1,314.00
	Hot Cupboard Element Off - In Standby (16 hrs in 24)				
				kwh/year	6,207.92
				Electric cost / year - 18.000 p/kWh	**£1,117.43**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	1.74

Cost saving / year (£) Using No Gantry Model	**£170.82**
Cost saving / year (%) Using No Gantry Model	**13.26%**
CO2 emissions saving / year (tons)	**0.27**