

Energy Facts - Designline Heated Patisserie (Rear Doors/ Fixed Back)



ASSUMPTIONS: Heated Patisserie 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.

Designline Self Help Heated Patisserie (Rear Doors/ Fixed Back)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH6 Self Help Heated Patisserie (Rear Doors)	Measured average w per hour (Using Qualistar CA 8335)	2033	2.033	16.264	5,936.36
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
	Heater Elements Off - Reached Temp.(3.75 hrs in 8)	2000	2	7.5	2,737.50
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 5w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
PH6FB Self Help Heated Patisserie (Fixed Back)	Measured average w per hour (Using Qualistar CA 8335)	2033	2.033	16.264	5,936.36
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
	Heater Elements Off - Reached Temp.(3.85 hrs in 8)	2000	2	7.7	2,810.50
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 5w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline				kwh/year	3,198.86
				Electric cost / year - 18.000 p/kWh	£575.79
				CO2 emissions in tons/year (0.281 kg CO2 per kwh)	0.90

Designline Assisted Service Heated Patisserie (Rear Doors)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH6AS Assisted Service Heated Patisserie (Rear Doors)	Measured average w per hour (Using Qualistar CA 8335)	2033	2.033	16.264	5,936.36
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
	Heater Elements Off - Reached Temp.(3.85 hrs in 8)	2000	2	7.7	2,810.50
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 5w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline	Measured average w per hour (Using Qualistar CA 8335)	2033	2.033	16.264	5,936.36
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
	Heater Elements Off - Reached Temp.(4.2 hrs in 8)	2800	2.8	11.2	4,088.00
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 10w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline				kwh/year	4,228.16
				Electric cost / year - 18.000 p/kWh	£761.07
				CO2 emissions in tons/year (0.281 kg CO2 per kwh)	1.19

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH9 Self Help Heated Patisserie (Rear Doors)	Measured average w per hour (Using Qualistar CA 8335)	2848	2.848	22.784	8,316.16
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(4 hrs in 8)	2800	2.8	11.2	4,088.00
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 10w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
PH9FB Self Help Heated Patisserie (Fixed Back)	Measured average w per hour (Using Qualistar CA 8335)	2848	2.848	22.784	8,316.16
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(4.2 hrs in 8)	2800	2.8	11.2	4,292.40
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 5w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline	Measured average w per hour (Using Qualistar CA 8335)	2848	2.848	22.784	8,316.16
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(4.2 hrs in 8)	2800	2.8	11.2	4,292.40
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 5w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline				kwh/year	4,023.76
				Electric cost / year - 18.000 p/kWh	£724.28
				CO2 emissions in tons/year (0.281 kg CO2 per kwh)	1.13

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH12 Self Help Heated Patisserie (Rear Doors)	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.75 hrs in 8)	2800	2.8	10.5	3,832.50
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
PH12FB Self Help Heated Patisserie (Fixed Back)	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline				kwh/year	4,580.02
				Electric cost / year - 18.000 p/kWh	£824.40
				CO2 emissions in tons/year (0.281 kg CO2 per kwh)	1.29

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH12AS Assisted Service Heated Patisserie (Rear Doors)	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline				kwh/year	4,375.62
				Electric cost / year - 18.000 p/kWh	£787.61
				CO2 emissions in tons/year (0.281 kg CO2 per kwh)	1.23

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH12AS Assisted Service Heated Patisserie (Rear Doors)	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
	Test Conditions As Below :				
	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Designline				kwh/year	4,375.62
				Electric cost / year - 18.000 p/kWh	£787.61
				CO2 emissions in tons/year (0.281 kg CO2 per kwh)	1.23