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

ASSUMPTIONS: Heated (Drop In) 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 (Drop In) Heated Patisserie (Rear Doors/ Fixed Back)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH6D	Measured average w per hour (Using Qualistar CA 8335)	2033	2.033	16.264	5,936.36
(Drop In)	**Test Conditions As Below :**				
Self Help	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
Heated Patisserie	Heater Elements Off - Reached Temp.(3.75 hrs in 8)	2000	2	7.5	2,737.50
(Rear Doors)	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (x1)				
PH6FBD	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
(Drop In)	High Temperature LED Lights On (8 hrs in 24) 5w (x3)				
Self Help	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Heated Patisserie					
(Fixed Back)					
				kwh/year	3,198.86
Designline				**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 (Drop In) Heated Patisserie (Rear Doors)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
	Measured average w per hour (Using Qualistar CA 8335)	2033	2.033	16.264	5,936.36
PH6ASD	**Test Conditions As Below :**				
(Drop In)	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
Assisted Service	Heater Elements Off - Reached Temp.(3.85 hrs in 8)	2000	2	7.7	2,810.50
Heated Patisserie	Heater Elements Off - In Standby (16 hrs in 24)				
(Rear Doors)	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**	3,125.86
				Electric cost / year - 18.000 p/kWh	**£562.65**
				CO2 emissions in tons/year *(0.281 kg CO2 per kwh)*	0.88

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
PH9D	Measured average w per hour (Using Qualistar CA 8335)	2848	2.848	22.784	8,316.16
(Drop In)	**Test Conditions As Below :**				
Self Help	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
Heated Patisserie	Heater Elements Off - Reached Temp.(4 hrs in 8)	2800	2.8	11.2	4,088.00
(Rear Doors)	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w				
PH9FBD	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
(Drop In)	High Temperature LED Lights On (8 hrs in 24) 10w (x3)				
Self Help	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Heated Patisserie					
(Fixed Back)					
				kwh/year	4,228.16
Designline				**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
	Measured average w per hour (Using Qualistar CA 8335)	2848	2.848	22.784	8,316.16
PH9ASD	**Test Conditions As Below :**				
(Drop In)	Heater Elements On (8 hrs in 24) 500w(x2) 1000w(x1)				
Assisted Service	Heater Elements Off - Reached Temp.(4.2 hrs in 8)	2800	2.8	11.76	4,292.40
Heated Patisserie	Heater Elements Off - In Standby (16 hrs in 24)				
(Rear Doors)	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
PH12D	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
(Drop In)	**Test Conditions As Below :**				
Self Help	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
Heated Patisserie	Heater Elements Off - Reached Temp.(3.75 hrs in 8)	2800	2.8	10.5	3,832.50
(Rear Doors)	Heater Elements Off - In Standby (16 hrs in 24)				
	Hot Air Recirculation Fan On (8 hrs in 24) 18w (2x)				
PH12FBD	Hot Air Recirculation Fan Off - In Standby (16 hrs in 24)				
(Drop In)	High Temperature LED Lights On (8 hrs in 24) 15w (x3)				
Self Help	High Temperature LED Lights Off - In Standby (16 hrs in 24)				
Heated Patisserie					
(Fixed Back)					
				kwh/year	4,580.02
Designline				**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
	Measured average w per hour (Using Qualistar CA 8335)	2881	2.881	23.048	8,412.52
PH12ASD	**Test Conditions As Below :**				
(Drop In)	Heater Elements On (8 hrs in 24) 500w(x1) 1000w(x1) 1300w(x1)				
Assisted Service	Heater Elements Off - Reached Temp.(3.95 hrs in 8)	2800	2.8	11.06	4,036.90
Heated Patisserie	Heater Elements Off - In Standby (16 hrs in 24)				
(Rear Doors)	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