Energy Facts - Drop In Ceran Glass Hotplates



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.								"Cel	7
	Standard Type Heated Ceran Glass Hotplate (Lights On Full Setting) Standard						lard Type Heated Ceran Glass Hotplate (Lights On Half Setting)		
Model HP1 Designiline KHP1 Kubus	Component Messured average w per hour (Using Qualister CA 8335) Test Conditions As Below : Ceran Holpiate On (8 hrs in 24) Quartz Haldeen Lights On - Full Setting (8 hrs in 24) Quartz Haldeen Lights Of I - Resched Temperature (8 hrs in 24) Quartz Haldeen Lights Off I - Brandby (16 hours in 24) Quartz Haldeen Lights Off (16 hours in 24)	Rating (W) 296	kW/hour 0.296 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/day 2.368 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 864.32 0 0 0 0 0 0 0 0 0 0 0 0 0 864.32	Model HP1 Designine KHP1 Kubus	Component Measured average w per hour (Using Qualister CA 8335) Test Conditions As Below : Ceran Hoppite On (6 hrs in 24) Quartz Halogen Lichs On - Hall Setting (8 hrs in 24) Quartz Halogen Lichs Of I - Reached Temperature (8 hrs in 24) Quartz Halogen Lichts Of I - Risandby (16 hours in 24) Quartz Halogen Lichts Off (16 hours in 24)	Rating (W) kW/hour kW/hour kW/hour 222 0.222 1.776 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 648.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Electric	cost per unit CO2 emissio	- 18.000 p/kWh ons in tons/year	£155.58 0.5			Electric cost per unit - 18.000 p/kWh CO2 emissions in tons/year	£116.68 0.4
							Cost saving / year (t) Using quartz haolen lamps on hair setting. 238.89 Cost saving / year (t) Using quartz haolen lamps on hair setting. 25.00% CO2 emissions saving / year (tons) 0.12		
Model HP2 Designiline KHP2 Kubus	Component Messured average with the organisate CA 8335) Test Conditions As Below : Ceran Hotpitet On (8 hrs in 24) Quartz Halogen Lights On - Full Setting (8 hrs in 24) Ceran Hotpitet Off - Reached Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standby (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Rating (W) 753.55 Electric	kW/hour 0.75355 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/day 6.0284 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 2,200.37 0 0 0 0 0 0 0 0 0 0 0 0 0	Model HP2 Designine KHP2 Kubus	Component Messured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Hotplate On (8 hrs in 24) Quartz Halogen Lights On - Half Setting (8 hrs in 24) Ceran Hotplate Off - Reached Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standbry (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Rating (W) kW/hour kW/hdgs 569.96 0.56996 4.55968 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 1664.2832 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1664.28 229.57
CO2 emissions in tons/year [1.2								CO2 emissions in tons/year	0.9 £96.49
Model HP3 Designline	Component Measured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Hotolate On (8 hrs in 24)	Rating (W) 1122.44	kW/hour 1.12244 0	kWh/day 8.97952 0	kWh/year 3277.5248 0 0	Model HP3 Designline	Cost saving / year (%) Using quartz halogen lamps or CO2 emissions saving / year (tons) Component Measured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Hotolate On (8 hs in 24)	hair setting. Rating (W) kW/hour kWh/day 842.96 0.84296 6.74368 0 0 0 0	24.36% 0.29 kWh/year 2461.4432 0 0
KHP3 Kubus	Quartz Halogen Lights On - Full Setting (8 hrs in 24) Ceran Hotplate Of I - Raached Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standby (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Electric	0 0 0 0 0 0 0.00	0 0 0 0 0 0.00 kwh/year - 18.000 p/kWh ons in tons/year	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	KHP3 Kubus	Quartz Halogen Lights On - Half Setting (8 hrs in 24) Ceran Hotplate Of I - Reached Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standbr (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 2461.44 £443.06 1.3
							Cost saving / year (£) Using quartz halogen lamps on Cost saving / year (%) Using quartz halogen lamps or CO2 emissions saving / year (tons)	half setting. half setting.	£146.89 24.90% 0.44
Model HP4 Designiline KHP4 Kubus	Component Measured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Holpiate On (8 hrs in 24) Quartz Haldeen Lights On - Full Setting (8 hrs in 24) Quartz Haldeen Lights Off - Net Standby (16 hours in 24) Quartz Haldeen Lights Off (16 hours in 24) Quartz Haldeen Lights Off (16 hours in 24)	Rating (W) 1496.58	kW/hour 1.49658 0 0 0 0 0 0 0 0 0 0 0 0.00	kWh/day 11.97264 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 4370.0136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Model HP4 Designine KHP4 Kubus	Component Measured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Holpate On (8 hrs in 24) Quartz Halogen Lights On - Hall Setting (8 hrs in 24) Ceran Holpate Off - Reached Temperature (8 hrs in 24) Quartz Halogen Lights Off (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Rating (W) kWhour kWhour kWhour 1107.28 1.10728 8.85824 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 3233.2576 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Electric	cost per unit CO2 emissio	kwh/year - 18.000 p/kWh ons in tons/year	4370.01 £786.60 2.4			Electric cost per unit - 18.000 p/kWh CO2 emissions in tons/year	£581.99 1.7
							Cost saving / year (£) Using quartz halogen lamps on Cost saving / year (%) Using quartz halogen lamps or CO2 emissions saving / year (tons)	half setting. half setting.	£204.62 26.01% 0.61
Madel HP5 Designiline KHP5 Kubus	Component Messured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Hotplate On (8 hrs in 24) Quartz Halogen Lights On - Full Setting (8 hrs in 24) Ceran Hotplate Of I - Reached Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standby (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Rating (W) 1870.73 Electric	kW/hour 1.87073 0 <	kWh/day 14.96584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.00 kwh/year - 18.000 p/kWh pons in tons/year - 18.000 key	kWh/year 5462.5316 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5462.53 5933.26 2.9	Model HP5 Designiline KHP5 Kubus	Component Messured average w per hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Hotplate On (8 hrs in 24) Quartz Halogen Lights On - Half Setting (8 hrs in 24) Ceran Hotplate Off - Reached Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standby (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Rating (W) KW/hour KW/hour 1384.1 1.384.1 1.0728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 4041.572 0.00 4041.57 £727.48 2.2
							Cost saving / year (£) Using quartz halogen lamps on Cost saving / year (%) Using quartz halogen lamps or CO2 emissions saving / year (tons)	half setting. half setting.	£255.77 26.01% 0.77
Model HP6 Designiline KHP6 Kubus	Component Measured average was hour (Using Qualistar CA 8335) Test Conditions As Balow : Ceran Hotpite On (8 hrs in 24) Quartz Halogen Lights On - Full Satting (8 hrs in 24) Ceran Hotpite Of I - Racched Temperature (8 hrs in 24) Quartz Halogen Lights Off - In Standby (16 hours in 24) Quartz Halogen Lights Off (16 hours in 24)	Rating (W) 1920.73 Electric	kW/hour 1.92073 0 <	kWh/day 15.36584 0 0 0 0 0 0 0 0 0 0 0 0 0	kWh/year 5608.5316 0 0 0 0 0 0 0 0 0 0 0 0 0	Model HP6 Designine KHP6 Kubus	Component Measured average where hour (Using Qualistar CA 8335) Test Conditions As Below : Ceran Holpate On (8 hrs in 24.) Quartz Halogen Lights On - Hall Setting (8 hrs in 24.) Ceran Honblet Of I - Reached Temperature (8 hrs in 24.) Quartz Halogen Lights Off - In Standby (16 hours in 24.) Quartz Halogen Lights Off (16 hours in 24.)	Rating (W) KWhour KWhour KWhour 1584.1 1.5841 1.26728 0 0 0 0	kWh/year 4625.572 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
							Cost saving (year (6) Using quarty halogon lamon on	balf actting	6476.02

 Cost saving / year (%) Using quartz halogen lamps on half setting.
 £176.93

 Cost saving / year (%) Using quartz halogen lamps on half setting.
 17.53%

 CO2 emissions saving / year (tons)
 0.53

Energy Use. CED Designline Model HP2, Ceran Glass Hotplate. Assumptions : 1 hour measured, Quartz Halogen Gantry Lamps Full On. Test Equipment - Qualistar CA 8335 (av. 753.55 w)



Energy Use. CED Designline Model HP3, Ceran Glass Hotplate. Assumptions ; 1 hour measured, Quartz Halogen Gantry Lamps On Full. Test Equipment - Qualistar CA 8335 (av. 1122.44 w)



Energy Use. CED Designline Model HP4, Ceran Glass Hotplate. Assumptions : 1 hour measured, Quartz Halogen Lamps Full On. Test Equipment - Qualistar CA 8335 (av. 1496.58 w)



Energy Use. CED Designline Model HP5, Ceran Glass Hotplate. Assumptions : 1 hour measured, quartz halogen Gantry Lamps Full On. Test Equipment - Qualistar CA8335 (Av. 1870.73 w)







time

Energy Use. CED Designline Model HP3, Ceran Glass Hotplate. Assumptions : 1 hour measured, Quartz Halogen Gantry Lamps Half On. Test Equipment - Qualistar CA 8335 (av. 842.96 w)



Energy Use. CED Designline Model HP4, Ceran Glass Hotplate. Assumptions : 1 hour measured, Quartz Halogen Gantry Lamps Half On. Test Equipment - Qualistar CA 8335 (av. 1107.28 w)





Energy Use. CED Designline Model HP5, Ceran Glass Hotplate. Assumptions : 1 hour measured, Quartz Halogen Gantry Lamps Half On. Test Equipment - Qualistar CA8335 (av. 1384 w)

time