



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.**

Standard Type Heated Ceran Glass Hotplate (Lights On Full Setting)

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP1 Designline	Measured average w per hour (Using Qualistar CA 8335)	296	0.296	2.368	864.32
	Test Conditions As Below :	0	0	0	0
KHP1 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Full Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	864.32
				Electric cost per unit - 18.000 p/kWh	£155.58
				CO2 emissions in tons/year	0.5

Standard Type Heated Ceran Glass Hotplate (Lights On Half Setting)

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP1 Designline	Measured average w per hour (Using Qualistar CA 8335)	222	0.222	1.776	648.24
	Test Conditions As Below :	0	0	0	0
KHP1 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Half Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	648.24
				Electric cost per unit - 18.000 p/kWh	£116.68
				CO2 emissions in tons/year	0.4

Cost saving / year (£) Using quartz halogen lamps on half setting. £38.89
Cost saving / year (%) Using quartz halogen lamps on half setting. 25.00%
CO2 emissions saving / year (tons) 0.12

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP2 Designline	Measured average w per hour (Using Qualistar CA 8335)	753.55	0.75355	6.0284	2,200.37
	Test Conditions As Below :	0	0	0	0
KHP2 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Full Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	2,200.37
				Electric cost per unit - 18.000 p/kWh	£396.07
				CO2 emissions in tons/year	1.2

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP2 Designline	Measured average w per hour (Using Qualistar CA 8335)	569.96	0.56996	4.55968	1664.2832
	Test Conditions As Below :	0	0	0	0
KHP2 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Half Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	1664.28
				Electric cost per unit - 18.000 p/kWh	£299.57
				CO2 emissions in tons/year	0.9

Cost saving / year (£) Using quartz halogen lamps on half setting. £96.49
Cost saving / year (%) Using quartz halogen lamps on half setting. 24.36%
CO2 emissions saving / year (tons) 0.29

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP3 Designline	Measured average w per hour (Using Qualistar CA 8335)	1122.44	1.12244	9.97952	3,277.5248
	Test Conditions As Below :	0	0	0	0
KHP3 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Full Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	3,277.52
				Electric cost per unit - 18.000 p/kWh	£589.95
				CO2 emissions in tons/year	1.8

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP3 Designline	Measured average w per hour (Using Qualistar CA 8335)	842.96	0.84296	6.74368	2,461.4432
	Test Conditions As Below :	0	0	0	0
KHP3 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Half Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	2,461.44
				Electric cost per unit - 18.000 p/kWh	£443.06
				CO2 emissions in tons/year	1.3

Cost saving / year (£) Using quartz halogen lamps on half setting. £146.89
Cost saving / year (%) Using quartz halogen lamps on half setting. 24.90%
CO2 emissions saving / year (tons) 0.44

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP4 Designline	Measured average w per hour (Using Qualistar CA 8335)	1496.58	1.49658	11.97264	4,370.0136
	Test Conditions As Below :	0	0	0	0
KHP4 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Full Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	4,370.01
				Electric cost per unit - 18.000 p/kWh	£786.60
				CO2 emissions in tons/year	2.4

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP4 Designline	Measured average w per hour (Using Qualistar CA 8335)	1107.28	1.10728	8.85824	3,233.2576
	Test Conditions As Below :	0	0	0	0
KHP4 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Half Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	3,233.26
				Electric cost per unit - 18.000 p/kWh	£581.99
				CO2 emissions in tons/year	1.7

Cost saving / year (£) Using quartz halogen lamps on half setting. £204.62
Cost saving / year (%) Using quartz halogen lamps on half setting. 26.01%
CO2 emissions saving / year (tons) 0.61

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP5 Designline	Measured average w per hour (Using Qualistar CA 8335)	1870.73	1.87073	14.96584	5,462.5316
	Test Conditions As Below :	0	0	0	0
KHP5 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Full Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	5,462.53
				Electric cost per unit - 18.000 p/kWh	£983.26
				CO2 emissions in tons/year	2.9

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP5 Designline	Measured average w per hour (Using Qualistar CA 8335)	1384.1	1.3841	11.0728	4,041.572
	Test Conditions As Below :	0	0	0	0
KHP5 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Half Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	4,041.57
				Electric cost per unit - 18.000 p/kWh	£727.48
				CO2 emissions in tons/year	2.2

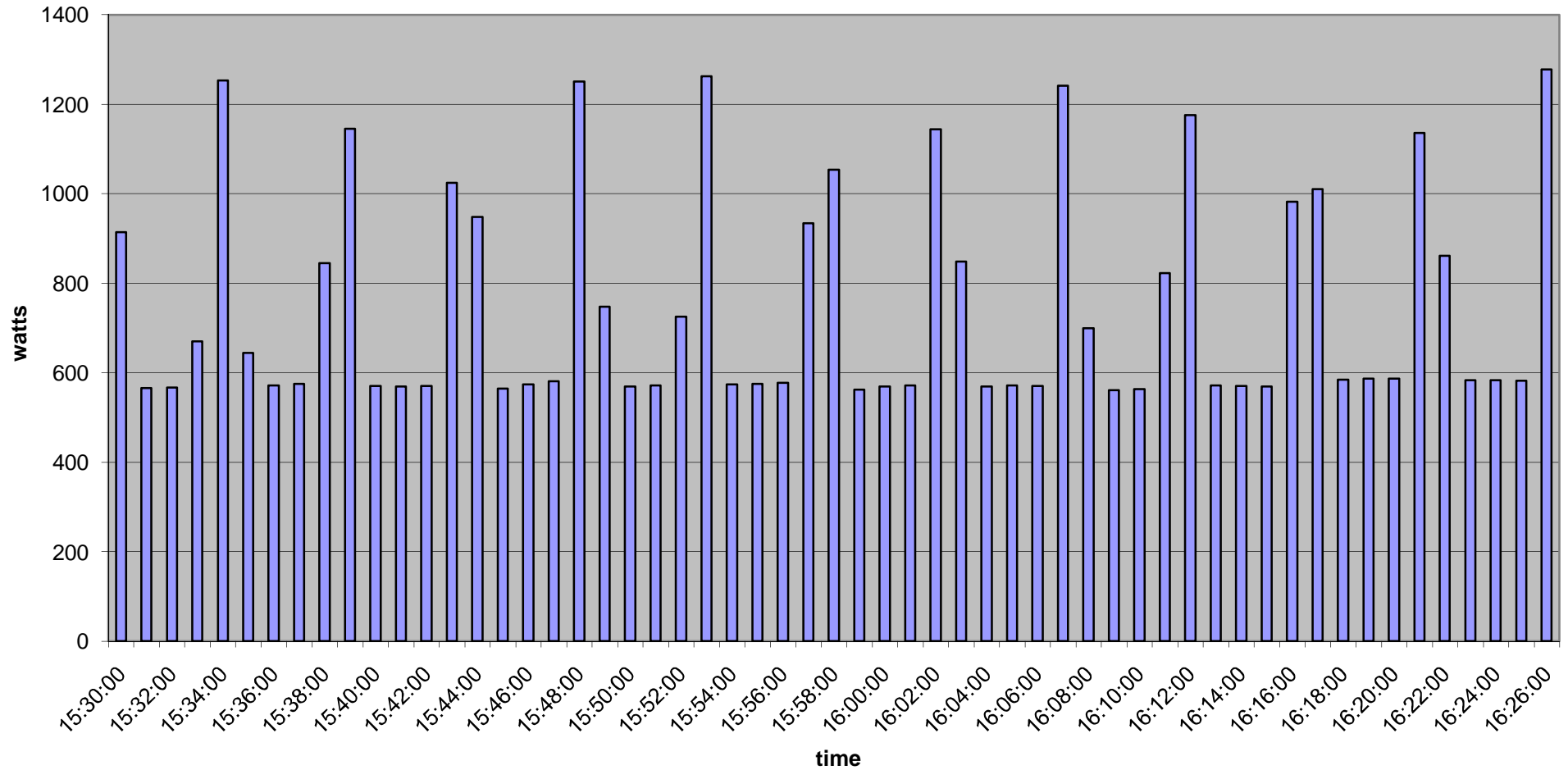
Cost saving / year (£) Using quartz halogen lamps on half setting. £255.77
Cost saving / year (%) Using quartz halogen lamps on half setting. 26.01%
CO2 emissions saving / year (tons) 0.77

Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP6 Designline	Measured average w per hour (Using Qualistar CA 8335)	1920.73	1.92073	15.36584	5,608.5316
	Test Conditions As Below :	0	0	0	0
KHP6 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Full Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	5,608.53
				Electric cost per unit - 18.000 p/kWh	£1,009.54
				CO2 emissions in tons/year	3.0

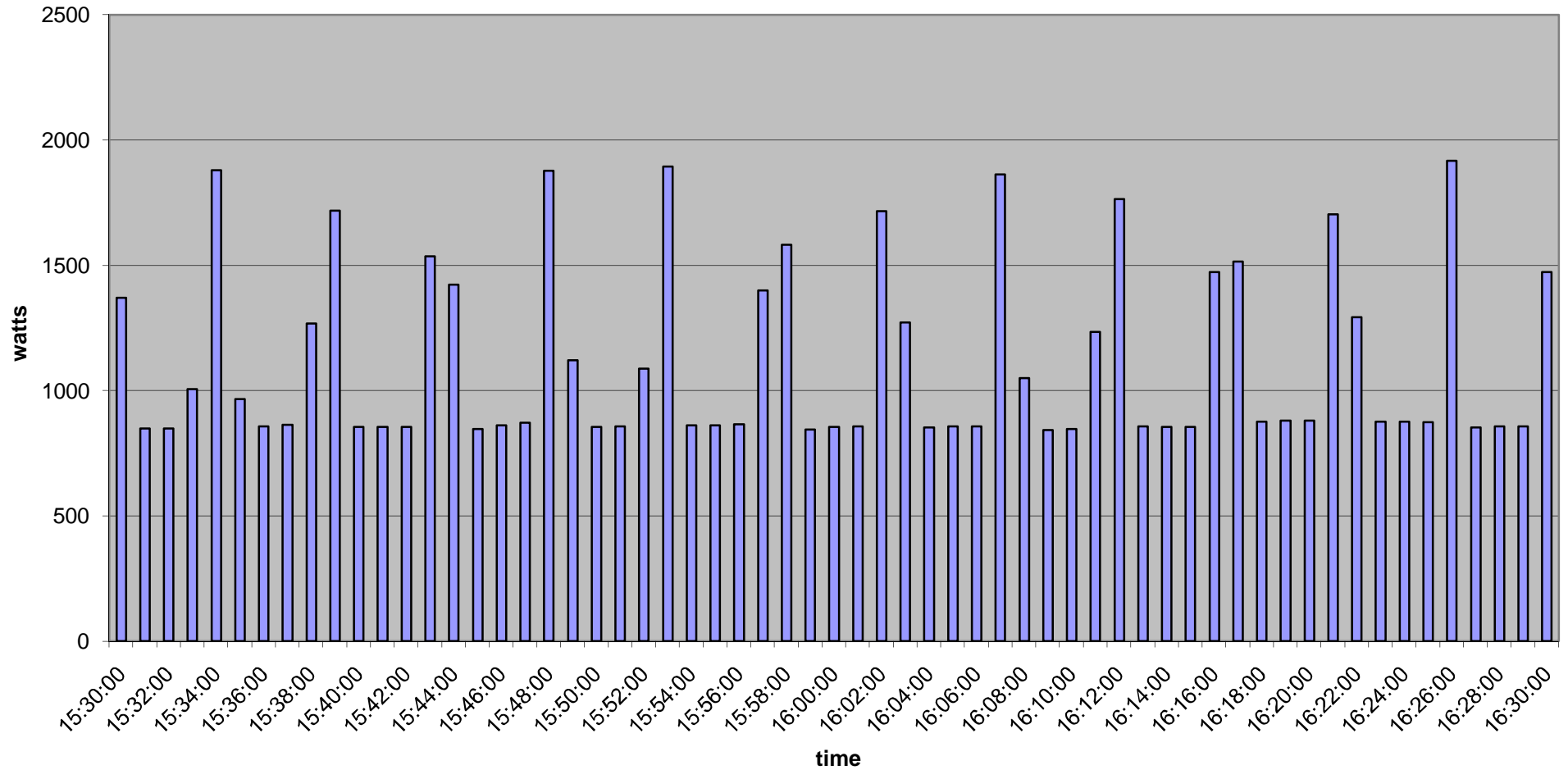
Model	Component	Rating (W)	kWhour	kWh/day	kWh/year
HP6 Designline	Measured average w per hour (Using Qualistar CA 8335)	1584.1	1.5841	12.6728	4,625.572
	Test Conditions As Below :	0	0	0	0
KHP6 Kubus	Ceran Hotplate On (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights On - Half Setting (8 hrs in 24)	0	0	0	0
	Ceran Hotplate Off - Reached Temperature (8 hrs in 24)	0	0	0	0
	Quartz Halogen Lights Off - In Standby (16 hours in 24)	0	0	0	0
	Quartz Halogen Lights Off (16 hours in 24)	0	0	0	0
	0	0	0	0	0
				kWh/year	4,625.57
				Electric cost per unit - 18.000 p/kWh	£832.60
				CO2 emissions in tons/year	2.5

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

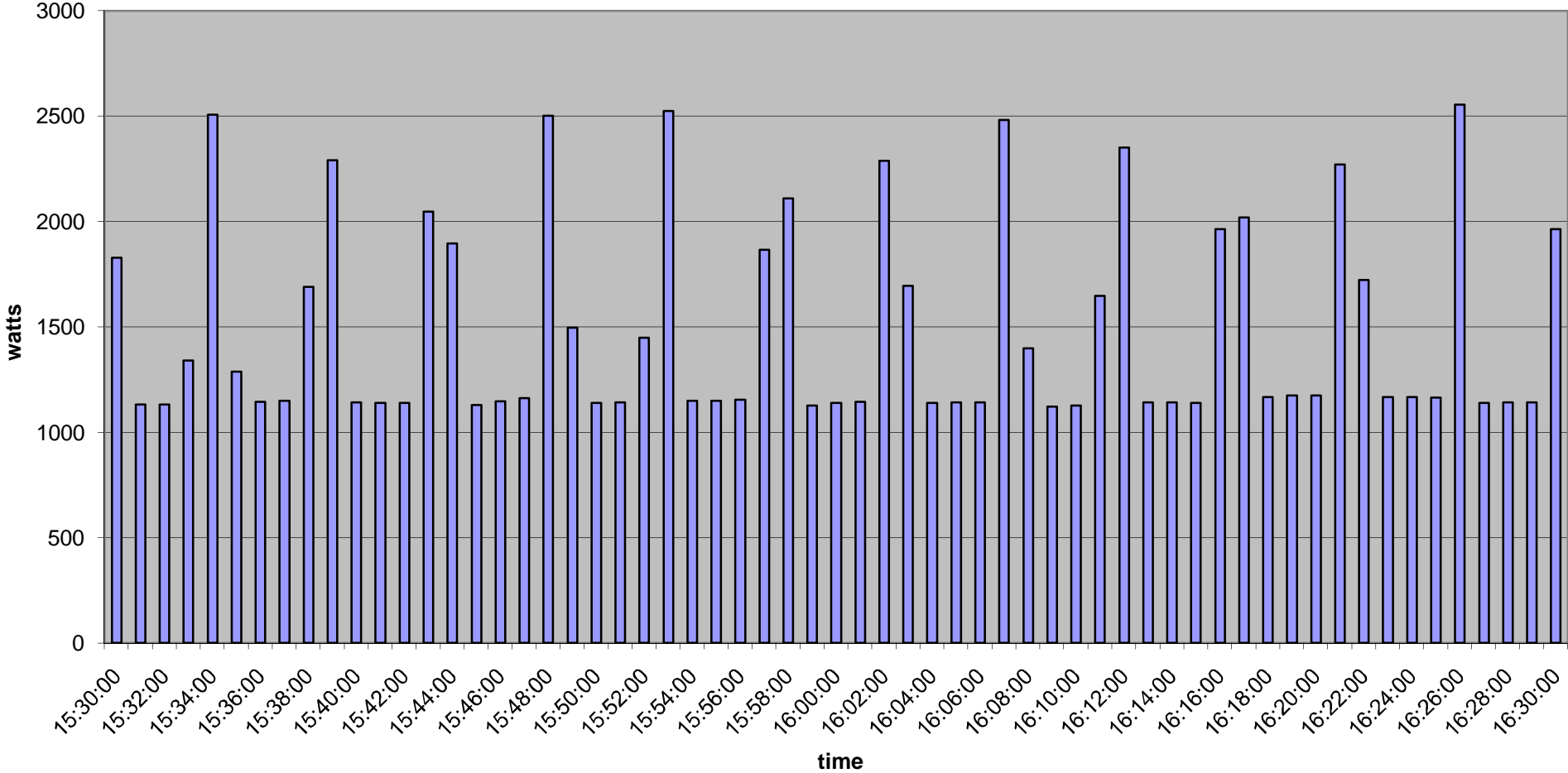
Energy Use. CED Designline Model HP2, Ceran Glass Hotplate.
Assumptions : 1 hour measured, Quartz Halogen Gantry Lamps Full On.
Test Equipment - Qualistar CA 8335 (av. 753.55 w)



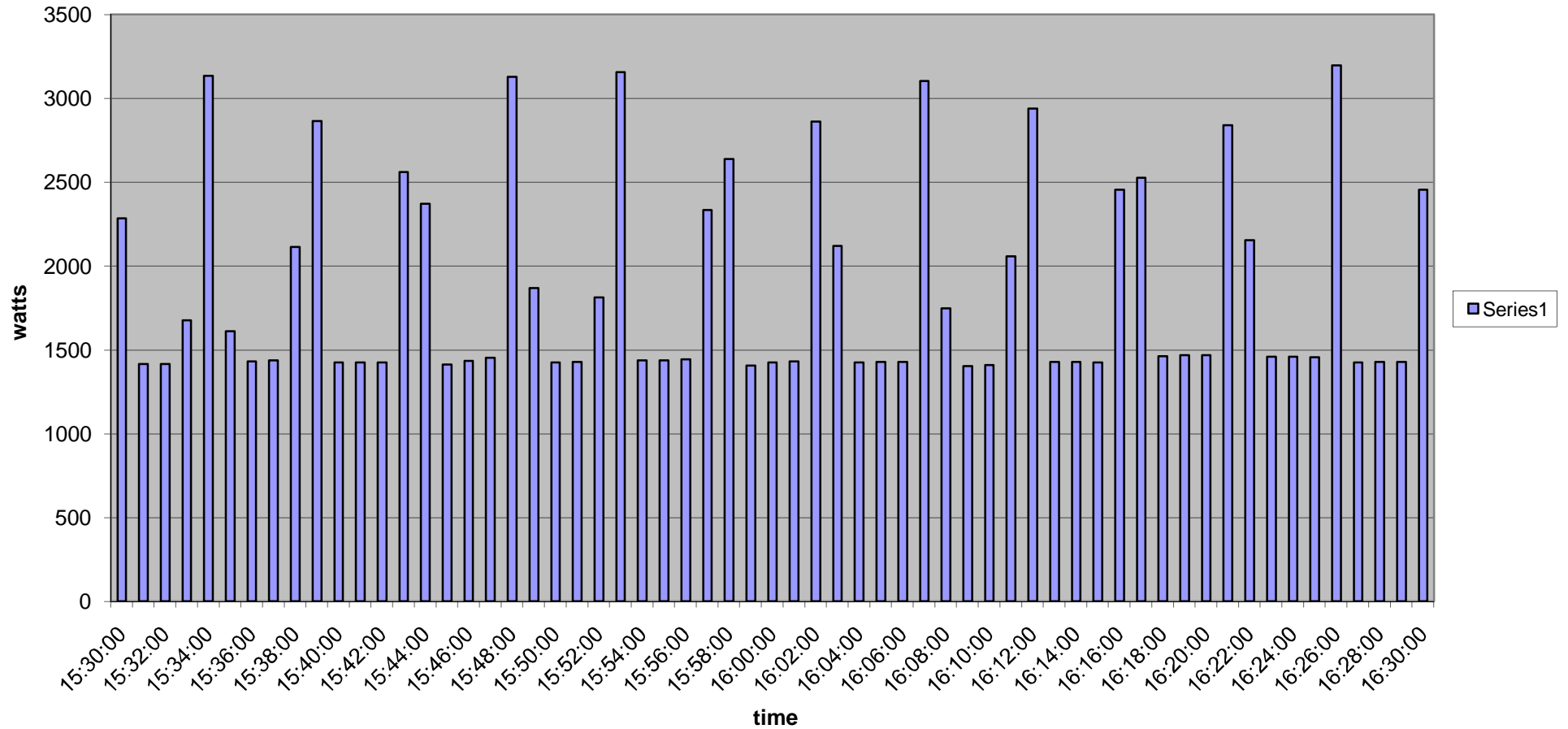
**Energy Use. CED Designline Model HP3, Ceran Glass Hotplate.
Assumptions ; 1 hour measured, Quartz Halogen Gantry Lamps On Full.
Test Equipment - Qualistar CA 8335 (av. 1122.44 w)**



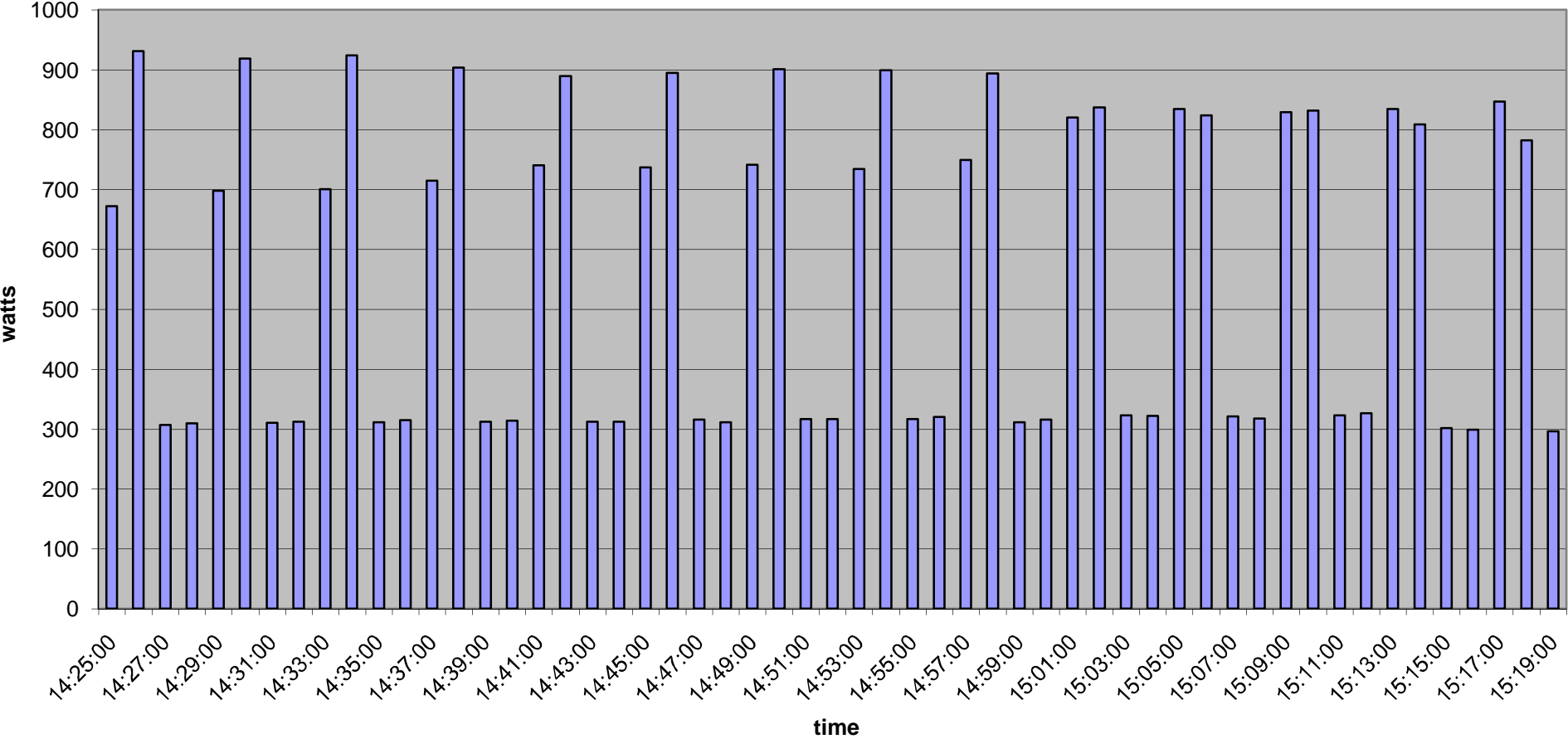
Energy Use. CED Designline Model HP4, Ceran Glass Hotplate.
Assumptions : 1 hour measured, Quartz Halogen Lamps Full On.
Test Equipment - Qualistar CA 8335 (av. 1496.58 w)



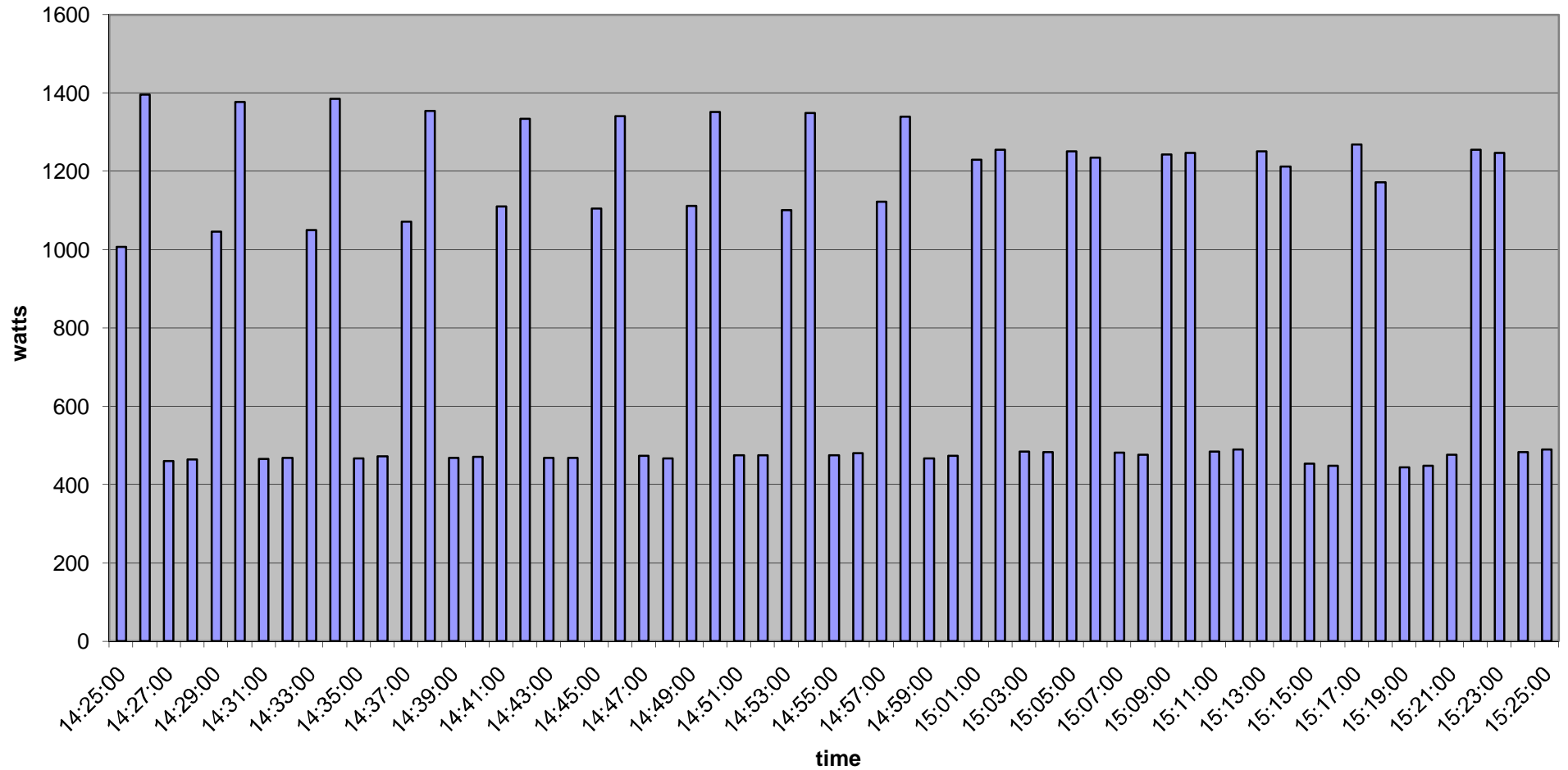
Energy Use. CED Designline Model HP5, Ceran Glass Hotplate.
Assumptions : 1 hour measured, quartz halogen Gantry Lamps Full On.
Test Equipment - Qualistar CA8335 (Av. 1870.73 w)



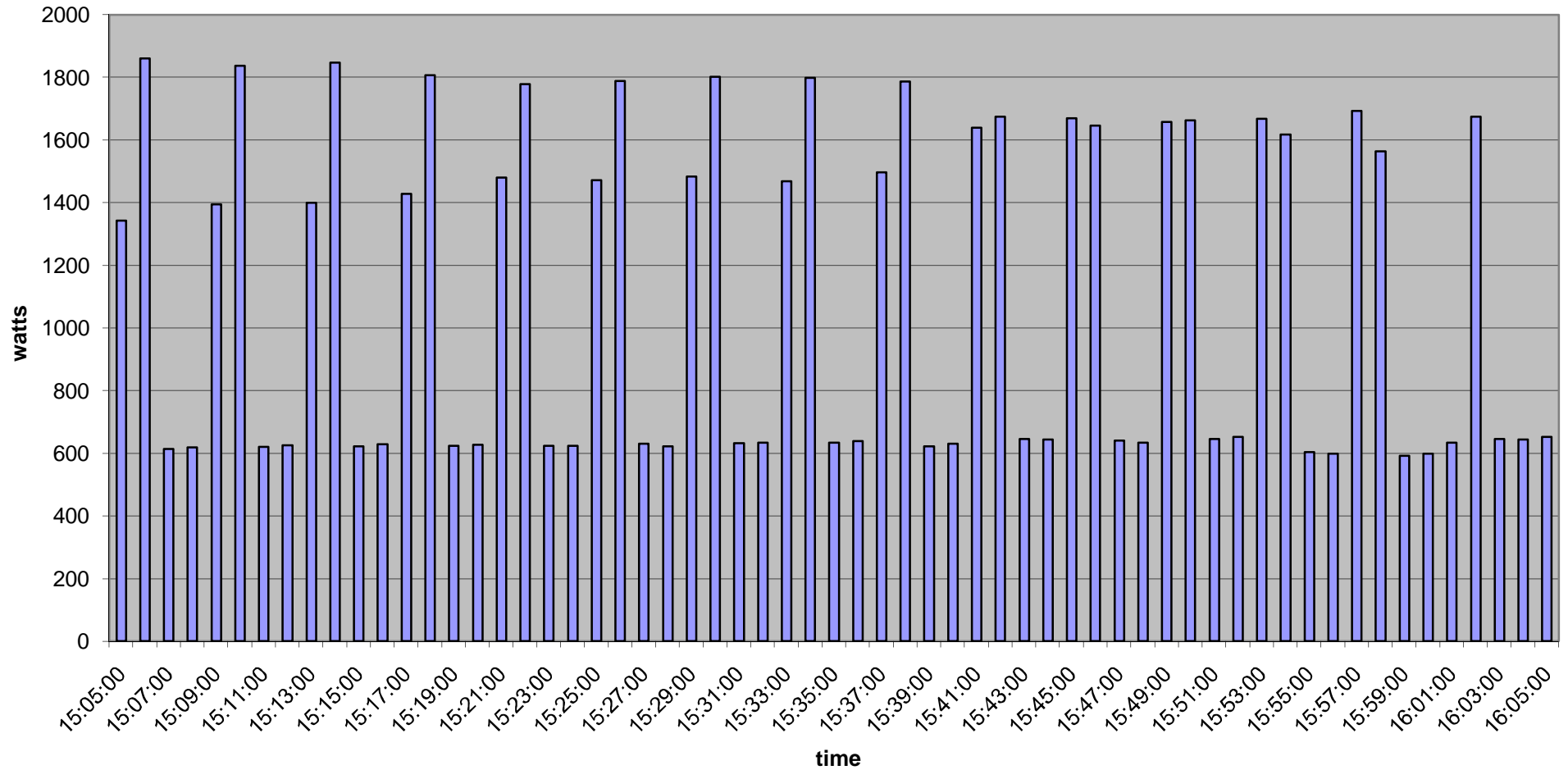
Energy Use. CED Designline Model HP2, Ceran Glass Hotplate.
Assumptions : 1 hour measured, Quartz Halogen Gantry Lamps Half On. Test Equipment
- Qualistar CA 8335 (Av. 569.96 W)



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)**

