

APPENDIX A1

**EVA - EMP
TEST REPORT ON ENERGY CONSUMPTION
HOT & COLD DRINKS MACHINES
CATEGORY 6**

MACHINE INFORMATION

Machine Type	Lio 2C I	
Manufacturer		
Model Number		
Serial Number		
Compressor Power (If cold drink machine only)		
Test Date	10/03/14	
Boiler Volume	1200	ml
Nominal Boiler Temperature	85	°C
Energy Saving Temperature	-	°C

TEST CONDITIONS

Ambient Test Temperature (°C)	24	°C
Ambient Test Relative Humidity (%)	61	%
Inlet Water Temperature (°C)	24	°C

ENERGY MEASUREMENTS HOT DRINKS

Heat Up Phase Measurement	HU	110	Watthours
Idle Phase Measurement	IM	61	Watthours/hour
Vending Phase Measurement	VM	400	Watthours
Average Drink Volume Measurement	DV	4,38	Litres
Number of Drinks delivered	NOD	30	Drinks
Average Drink Temperature Measurement	DT	76,2	°C

Cool Down Duration (from IS to ESS)	CDD	-	hours
Cool Down energy consumption	CD-ESM	-	Watthours
Energy Saving Mode measurement	ESM	-	Watthours/hour
Heat Up from Energy Saving Mode	HU-ESM	-	Watthours

Values from EVA-EMP report			
Inlet water T		24,0	°C
Idle phase	IM	61,0	wh/h
Vending phase	VM	400,0	wh
Total drink volume	DV	4,380	litres
Avg. drink temp.	DT	76,2	°C
Energy saving mode	ESM		wh/h
Duration of VM in hours e.g. 4,0		1,0	hrs
No. of drinks dispensed during VM		30,0	cups

Energy		Vending machine
Manufacturer	RheaVendors Group	◀ A
Model	Lio 2C I	
More efficient		
		
Less efficient		
Total energy consumption	181 wh/L	
Measured at	15 L/24h	
~ no. of cups in ml	103 cups of 146 ml	
Energy consumption in Idle Mode:	1464 wh/24h	

Test Performed By: **Giuseppe Migliavacca**

Signed: **Maurilio Luca Pizzo**

Date: **11 Mar 2014**