

APPENDIX A1

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

MACHINE INFORMATION

Machine Type	laRhea BL Grande E	
Manufacturer		
Model Number		
Serial Number		
Compressor Power (If cold drink machine only)		
Test Date	05/02/18	
Boiler Volume	400	ml
Nominal Boiler Temperature	92	°C
Energy Saving Temperature		°C

TEST CONDITIONS

Ambient Test Temperature (°C)	25	°C
Ambient Test Relative Humidity (%)	59	%
Inlet Water Temperature (°C)	24	°C

ENERGY MEASUREMENTS HOT DRINKS

Heat Up Phase Measurement	HU	37	Watthours
Idle Phase Measurement	IM	37	Watthours/hour
Vending Phase Measurement	VM	378	Watthours
Average Drink Volume Measurement	DV	4,48	Litres
Number of Drinks delivered	NOD	30	Drinks
Average Drink Temperature Measurement	DT	76,8	°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	37,0	wh/h
Vending phase	VM	378,0	wh
Total drink volume	DV	4,480	litres
Avg. drink temp.	DT	76,8	°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 Industries	A+
Model	laRhea BL Grande E	
More efficient		
A++		◀ A+
A+		
A		
B		
C		
D		
E		
F		
G		
Less efficient		
Total energy consumption		140 wh/L
Measured at		15 L/24h
~ no. of cups in ml		100 cups of 149 ml
Energy consumption in Idle Mode:		888 wh/24h

Test Performed By: **Roberto Carvelli**

Signed: **Maurilio Luca Pizzo**

Date: **07/02/2018**