APPENDIX A1

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

MACHINE INFORMATION

Machine Type	eC Instant	
Manufacturer		
Model Number		
Serial Number		
Compressor Power (If cold drink machine only)		
Test Date	12/06/12	
Boiler Volume	2200	ml
Nominal Boiler Temperature	85	°C
Energy Saving Temperature	70	°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	160	Watthours
Idle Phase Measurement	IM	77	Watthours/hour
Vending Phase Measurement	VM	360	Watthours
Average Drink Volume Measurement	DV	4,02	Litres
Number of Drinks delivered	NOD	30	Drinks
Average Drink Temperature Measurement	DT	74,8	°C

Cool Down Duration (from IS to ESS)	CDD		hours
Cool Down energy consumption	CD-ESM		Watthours
Energy Saving Mode measaurement	ESM	52	Watthours/hour
Heat Up from Energy Saving Mode	HU-ESM	48	Watthours

Values from EVA-EMP report			
Inlet water T		24,0	°C
Idle phase	IM	77,0	wh/h
Vending phase	VM	360,0	wh
Total drink volume	DV	4,020	litres
Avg. drink temp.	DT	74,8	°C
Energy saving mode	ESM	52,0	wh/h
Duration of VM in hours e.g.4,0		1,0	hrs
No. of drinks dispensed during VM		30,0	cups

Test Performed By: **Giuseppe Migliavacca**

Signed: **Maurilio Luca Pizzo**

Date: **16 Giu 2012**

Energy — Vending machine

Manufacturer: Rheavendors Industries

Model: eC Instant

B

More efficient

A++
A+
A
B ◀B
C
D
E
F
G

Less efficient

Total energy consumption 201 wh/L

Measured at 15 L/24h

~ no. of cups in ml 112 cups of 134 ml

Energy consumption in Idle Mode: 1848 wh/24h