

APPENDIX A1

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

MACHINE INFORMATION

Machine Type	XM Rheload I	
Manufacturer		
Model Number		
Serial Number		
Compressor Power (If cold drink machine only)		
Test Date	16/07/15	
Boiler Volume	3600	ml
Nominal Boiler Temperature	85	°C
Energy Saving Temperature	70	°C

TEST CONDITIONS

Ambient Test Temperature (°C)	25	°C
Ambient Test Relative Humidity (%)	60	%
Inlet Water Temperature (°C)	24	°C

ENERGY MEASUREMENTS HOT DRINKS

Heat Up Phase Measurement	HU	240	Watthours
Idle Phase Measurement	IM	115	Watthours/hour
Vending Phase Measurement	VM	477	Watthours
Average Drink Volume Measurement	DV	4,24	Litres
Number of Drinks delivered	NOD	30	Drinks
Average Drink Temperature Measurement	DT	76,1	°C

Cool Down Duration (from IS to ESS)	CDD		hours
Cool Down energy consumption	CD-ESM		Watthours
Energy Saving Mode measurement	ESM	80	Watthours/hour
Heat Up from Energy Saving Mode	HU-ESM	66	Watthours

Values from EVA-EMP report			
Inlet water T		24,0	°C
Idle phase	IM	115,0	wh/h
Vending phase	VM	477,0	wh
Total drink volume	DV	4,240	litres
Avg. drink temp.	DT	76,1	°C
Energy saving mode	ESM	80,0	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	C
Model	XM Rheload I	
More efficient		
A++		◀C
A+		
A		
B		
C		
D		
E		
F		
G		
Less efficient		
Total energy consumption		276 wh/L
Measured at		15 L/24h
~ no. of cups in ml		106 cups of 141 ml
Energy consumption in Idle Mode:		2760 wh/24h

Test Performed By: **Giuseppe Migliavacca**

Signed: **Maurilio Luca Pizzo**

Date: **18 Lug 2015**