

APPENDIX A1

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

MACHINE INFORMATION

Machine Type	Luce X2 Premium I	
Manufacturer		
Model Number		
Serial Number		
Compressor Power (If cold drink machine only)		
Test Date	05/06/13	
Boiler Volume	3600	ml
Nominal Boiler Temperature	85	°C
Energy Saving Temperature	70	°C

TEST CONDITIONS

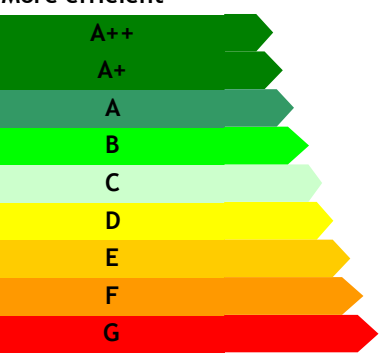
Ambient Test Temperature (°C)	25	°C
Ambient Test Relative Humidity (%)	59	%
Inlet Water Temperature (°C)	24	°C

ENERGY MEASUREMENTS HOT DRINKS

Heat Up Phase Measurement	HU	230	Watthours
Idle Phase Measurement	IM	107	Watthours/hour
Vending Phase Measurement	VM	470	Watthours
Average Drink Volume Measurement	DV	4,60	Litres
Number of Drinks delivered	NOD	30	Drinks
Average Drink Temperature Measurement	DT	76	°C

Cool Down Duration (from IS to ESS)	CDD		hours
Cool Down energy consumption	CD-ESM		Watthours
Energy Saving Mode measurement	ESM	75	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	107,0	wh/h
Vending phase	VM	470,0	wh
Total drink volume	DV	4,600	litres
Avg. drink temp.	DT	76,0	°C
Energy saving mode	ESM	75,0	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	◀ A
Model	LuceX2 Premium I	
More efficient		
		
Less efficient		
Total energy consumption	171 wh/L	
Measured at	30 L/24h	
~ no. of cups in ml	196 cups of 153 ml	
Energy consumption in Idle Mode:	2568 wh/24h	

Test Performed By: **Giuseppe Migliavacca**

Signed: **Maurilio Luca Pizzo**

Date: **06 Giu 2013**

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

MACHINE INFORMATION

Machine Type	Luce X2 Premium E	
Manufacturer		
Model Number		
Serial Number		
Compressor Power (If cold drink machine only)		
Test Date	05/06/13	
Boiler Volume	400 + 3600	ml
Nominal Boiler Temperature	92	°C
Energy Saving Temperature	70	°C

TEST CONDITIONS

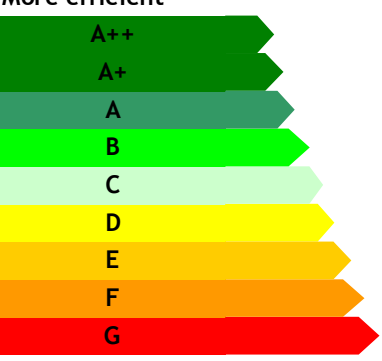
Ambient Test Temperature (°C)	25	°C
Ambient Test Relative Humidity (%)	59	%
Inlet Water Temperature (°C)	24	°C

ENERGY MEASUREMENTS HOT DRINKS

Heat Up Phase Measurement	HU	290	Watthours
Idle Phase Measurement	IM	172	Watthours/hour
Vending Phase Measurement	VM	630	Watthours
Average Drink Volume Measurement	DV	4,33	Litres
Number of Drinks delivered	NOD	30	Drinks
Average Drink Temperature Measurement	DT	77,2	°C

Cool Down Duration (from IS to ESS)	CDD		hours
Cool Down energy consumption	CD-ESM		Watthours
Energy Saving Mode measurement	ESM	127	Watthours/hour
Heat Up from Energy Saving Mode	HU-ESM	84	Watthours

Values from EVA-EMP report			
Inlet water T		24,0	°C
Idle phase	IM	172,0	wh/h
Vending phase	VM	630,0	wh
Total drink volume	DV	4,330	litres
Avg. drink temp.	DT	77,2	°C
Energy saving mode	ESM	127,0	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	LuceX2 Premium E	
More efficient 		
Total energy consumption		249 wh/L
Measured at		30 L/24h
~ no. of cups in ml		208 cups of 144 ml
Energy consumption in Idle Mode:		4128 wh/24h

Test Performed By: **Giuseppe Migliavacca**

Signed: **Maurilio Luca Pizzo**

Date: **06 giu 2013**