

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	0,0 wh/h
Duration of VM in hours e.g.4,0		1,0 hrs
No. of drinks dispensed during VM		30,0 cups

Process energy consumption without IM				
wh	wh	wh	Cup volume (DV)	wh
Energy L ^o ideal	Energy L ^o	Energy / L @ 80°	ml	IM / 24 hrs
1,163	1,518	84,983	153,3	2568,00

	Liters	cups	wh	wh	30L/24h
	Liters/24h	number	Tot process	Tot energy / L	Energy class
OCS	5L/24h	33	424,916	598,583	F
Table Top	15L/24h	98	1274,749	256,183	C
Free Standing	30L/24h	196	2549,498	170,583	A
High Throughput	50L/24h	326	4249,164	136,343	A+

Energy		Vending machine
Manufacturer	Rhea Vendors	◀ A
Model	Luce X2 - Saronn	
More efficient		
A++		◀ A
A+		
A		
B		
C		
D		
E		
F		
G		
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	

A++	A+	A	B	C	D	E	F	G
<100wh/L	<140wh/L	<190wh/L	<240wh/L	<310wh/L	<400wh/L	<500wh/L	<640wh/L	>640wh/L

Values from EVA-EMP report		
Inlet water T		25,0 °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	0,0 wh/h
Duration of VM in hours e.g.4,0		1,0 hrs
No. of drinks dispensed during VM		30,0 cups

Process energy consumption without IM				
wh	wh	wh	Cup volume (DV)	wh
Energy L° ideal	Energy L°	Energy / L @ 80°	ml	IM / 24 hrs
1,163	2,026	111,447	144,3	4128,00

	Liters	cups	wh	wh	30L/24h
	Liters/24h	number	Tot process	Tot energy / L	Energy class
OCS	5L/24h	35	557,237	937,047	G
Table Top	15L/24h	104	1671,710	386,647	D
Free Standing	30L/24h	208	3343,421	249,047	C
High Throughput	50L/24h	346	5572,368	194,007	B

Energy		Vending machine
Manufacturer	Rhea Vendors	C
Model	Luce X2 - Saronn	
More efficient		
A++		◀ C
A+		
A		
B		
C		
D		
E		
F		
G		
Less 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	

A++	A+	A	B	C	D	E	F	G
<100wh/L	<140wh/L	<190wh/L	<240wh/L	<310wh/L	<400wh/L	<500wh/L	<640wh/L	>640wh/L