

Values from EVA-EMP report			
Inlet water T		24,0	°C
Idle phase	IM	115,0	wh/h
Vending phase	VM	480,0	wh
Total drink volume	DV	4,330	litres
Avg. drink temp.	DT	76,6	°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

Energy		Vending machine
Manufacturer	Rhea Vendors	C
Model	CinoXSGrande I	
More efficient		
A++		◀C
A+		
A		
B		
C		
D		
E		
F		
G		
Less efficient		
Total energy consumption		274 wh/L
Measured at		15 L/24h
~ no. of cups in ml		104 cups of 144 ml
Energy consumption in Idle Mode:		2760 wh/24h

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	1,603	89,744	144,3	2760,00

	Liters	cups	wh	wh	15L/24h
	Liters/24h	number	Tot process	Tot energy / L	Energy class
OCS	5L/24h	35	448,722	641,744	G
Table Top	15L/24h	104	1346,166	273,744	C
Free Standing	30L/24h	208	2692,331	181,744	A
High Throughput	50L/24h	346	4487,219	144,944	A

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		24,0 °C
Idle phase	IM	63,0 wh/h
Vending phase	VM	380,0 wh
Total drink volume	DV	3,880 litres
Avg. drink temp.	DT	76,5 °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

Energy

Manufacturer

Model

Rhea Vendors

Cino XS Grande

Vending machine

◀A

More efficient

A++

A+

A

B

C

D

E

F

G

◀A

Less efficient

Total energy consumption

Measured at

~ no. of cups in ml

Energy consumption in Idle Mode:

188 wh/L

15 L/24h

116 cups of 129 ml

1512 wh/24h

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	1,556	87,148	129,3	1512,00

Liters	cups	wh	wh	15L/24h	
Liters/24h	number	Tot process	Tot energy / L	Energy class	
OCS	5L/24h	39	435,739	389,548	D
Table Top	15L/24h	116	1307,216	187,948	A
Free Standing	30L/24h	232	2614,433	137,548	A+
High Throughput	50L/24h	387	4357,388	117,388	A+

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