

Supplementary material S1: Anonymized brands and models with their individual consumption of energy, water, time and temperatures.

		Short Cycle				Eco Cycle				Intensive cycle				Normal cycle				Auto cycle 45				Auto cycle 55				Auto cycle 65-70				Auto Avg. (Auto cycle 45, auto 55, auto 65-70)				Glass Cycle				1h/60 min. cycle			
		Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)	Time (min)	Energy (kWh)	Water (L)	Temperature (°C)				
Brand 1, Model a		30	0.850	12.0	50.0					115	2.000	19.0	70.0	94	1.254	15.0	65.0																								
Brand 1, Model b		30	0.800	10.0	65.0	227	1.039	11.0	50.0	163	1.600	14.5	70.0					45	0.700	7.0	45.0				156	1.400	12.0	70.0	101	1.050	9.5	57.5									
Brand 1, Model c		30	0.800	10.0	65.0	237	0.820	9.9	50.0	140	1.400	13.0	70.0					45	0.700	7.0	45.0				160	1.500	12.0	70.0	103	1.100	9.5	57.5	70	0.900	13.0	45.0					
Brand 1, Model d		30	0.800	10.0	65.0	237	0.820	9.9	50.0	160	1.600	15.0	70.0					45	0.700	7.0	45.0				160	1.500	12.0	70.0	103	1.100	9.5	57.5	85	1.100	14.0	45.0					
Brand 1, Model e		30	0.900	10.0	65.0	232	0.846	11.0	50.0	170	1.400	12.4	70.0					40	0.600	7.0	45.0				170	1.600	14.0	70.0	105	1.100	10.5	57.5	82	0.700	12.0	45.0					
Brand 1, Model f		30	0.900	10.0	65.0	232	0.846	11.0	50.0	190	1.700	14.5	70.0					40	0.600	7.0	45.0				170	1.600	14.0	70.0	105	1.100	10.5	57.5	92	0.900	14.0	45.0					
Brand 1, Model g		30	0.900	10.0	60.0	225	0.961	11.0	50.0	174	1.600	13.5	70.0					40	0.600	7.0	45.0				160	1.600	14.0	70.0	100	1.100	10.5	57.5	80	0.800	13.0	45.0					
Brand 1, Model h		30	0.900	8.0	60.0	195	0.890	8.9	50.0	135	1.250	12.5	70.0					80	0.800	8.0	45.0				130	1.300	16.0	70.0	105	1.050	12.0	57.5									
Brand 1, Model i		30	0.900	10.0	60.0	235	0.846	11.0	50.0	180	1.550	13.5	70.0	89	1.140	12.9	60.0	46	0.700	8.0	45.0				170	1.700	15.0	70.0	108	1.200	11.5	57.5	82-92	0.8-1.0	12-14.0	45.0					
Brand 1, Model j		30	0.900	10.0	60.0	225	0.832	10.5	50.0	165	1.550	13.5	70.0					40	0.600	7.0	45.0				154	1.600	14.0	70.0	97	1.100	10.5	57.5	94	0.900	14.0	45.0					
Brand 1	avg.	30	0.865	10.0	61.5	227	0.878	10.5	50.0	159	1.565	14.1	70.0	92	1.197	14.0	62.5	47	0.667	7.2	45.0				159	1.533	13.7	70.0	103	1.100	10.4	57.5	84	0.883	13.3	45.0					
Brand 1	MIN.	30	0.800	8.0	50.0	195	0.820	8.9	50.0	115	1.250	12.4	70.0	89	1.140	12.9	60.0	40	0.600	7.0	45.0				130	1.300	12.0	70.0	97	1.050	9.5	57.5	70	0.700	12.0	45.0					
Brand 1	MAX.	30	0.900	12.0	65.0	237	1.039	11.0	50.0	190	2.000	19.0	70.0	94	1.254	15.0	65.0	80	0.800	8.0	45.0				170	1.700	16.0	70.0	108	1.200	12.0	57.5	94	1.100	14.0	45.0					
Brand 2, Model a		30	0.500	10.0	35.0	155	0.800	13.0	50.0	103	1.400	20.0	70.0	140	1.350	18.0	65.0																								
Brand 2, Model b		30	0.500	10.0	35.0	155	0.800	13.0	50.0	103	1.400	20.0	70.0	140	1.350	18.0	65.0																								
Brand 2, Model c		30	0.800	10.0	45.0	140	1.050	14.0	50.0	112	1.600	21.0	70.0					95	1.150	11.0	55.0				145	1.500	19.0	65.0	120	1.325	15.0	60.0	72	0.800	15.0	40.0					
Brand 2, Model d		35	0.900	13.0	35.0	140	1.050	16.0	50.0	130	1.800	19.0	70.0	125	1.750	19.0	65.0																								
Brand 2	avg.	31	0.675	10.8	37.5	148	0.925	14.0	50.0	112	1.550	20.0	70.0	135	1.483	18.3	65.0	95	1.150	11.0	55.0				145	1.500	19.0	65.0	120	1.325	15.0	60.0	72	0.800	15.0	40.0					
Brand 2	MIN.	30	0.500	10.0	35.0	140	0.800	13.0	50.0	103	1.400	19.0	70.0	125	1.350	18.0	65.0	95	1.150	11.0	55.0				145	1.500	19.0	65.0	120	1.325	15.0	60.0	72	0.800	15.0	40.0					
Brand 2	MAX.	35	0.900	13.0	45.0	155	1.050	16.0	50.0	130	1.800	21.0	70.0	140	1.750	19.0	65.0	95	1.150	11.0	55.0				145	1.500	19.0	65.0	120	1.325	15.0	60.0	72	0.800	15.0	40.0					
Brand 6, Model a		40	0.600	11.5	40.0	195	0.830	10.0	45.0	175	1.600	18.0	65.0	185	1.300	14.0	55.0	120	0.900	8.4	45.0	180	1.300	16.0	55.0			150	1.100	12.2	50.0	115	0.870	14.0	45.0	60	1.150	10.0	60.0		
Brand 6, Model b		40	0.750	11.5	45.0	190	0.970	11.0	45.0	160	1.500	18.5	60.0	180	1.250	15.0	55.0																								
Brand 6, Model c		30	0.750	11.0	45.0	190	0.900	11.0	45.0	170	1.600	18.5	60.0	180	1.300	15.0	55.0																								
Brand 6, Model d		40	0.600	10.0	40.0	175	0.920	10.0	50.0	175	1.600	17.0	70.0	185	1.300	14.0	55.0																								
Brand 6, Model e		40	0.600	10.0	40.0	175	0.920	10.0	50.0	175	1.600	17.0	70.0					150	0.900	8.4	45.0	150	1.300	12.7	55.0			150	1.100	10.6	50.0	115	0.870	14.0	45.0	60	1.150	10.0	60.0		
Brand 6	avg.	38	0.660	10.8	42.0	185	0.908	10.4	47.0	171	1.580	17.8	65.0	183	1.288	14.5	55.0	135	0.900	8.4	45.0	165	1.300	14.4	55.0			150	1.100	11.4	50.0	116	0.865	14.1	43.8	78	1.270	11.4	62.0		
Brand 6	MIN.	30	0.600	10.0	40.0	175	0.830	10.0	45.0	160	1.500	17.0	60.0	180	1.250	14.0	55.0	120	0.900	8.4	45.0	150	1.300	12.7	55.0			150	1.100	10.6	50.0	115	0.850	14.0	40.0	60	1.150	10.0	60.0		
Brand 6	MAX.	40	0.750	11.5	45.0	195	0.970	11.0	50.0	175	1.600	18.5	70.0	185	1.300	15.0	55.0	150	0.900	8.4	45.0	180	1.300	16.0	55.0			150	1.100	12.2	50.0	120	0.870	14.5	45.0	90	1.350	12.5	65.0		
Brand 3, Model a		30	0.800	10.8	35.0	220	0.930	9.5	50.0	170	1.510	16.8	70.0					110	0.900	9.4	40.0				178	1.450	12.4	65.0	144	1.175	10.9	52.5	120	1.200	13.6	40.0	58	1.180	10.6	60.0	
Brand 3, Model b		30	0.800	10.8	35.0	220	0.930	9.5	50.0	170	1.510	16.8	70.0					110	0.900	9.4	40.0				178	1.450	12.4	65.0	144	1.175	10.9	52.5	120	1.200	13.6	40.0	58	1.180	10.6	60.0	
Brand 3, Model c		30	0.790	11.8	35.0	190	1.020	12.0	50.0	124	1.700	17.6	70.0					92	1.090	12.6	40.0				176	1.840	17.0	65.0	134	1.465	14.8	52.5			58	1.320	11.6	70.0			
Brand 3, Model d		30	0.800	10.4	50.0	171	0.940	10.0	60.0	143	1.260	16.2	70.0					80	0.900	10.4	40.0				154	1.420	14.2	65.0	117	1.160	12.3	52.5			58	1.320	10.2	60.0			

Brand 5	MAX.	35	0.800	13.0	45.0	295	1.200	17.0	55.0	175	2.000	23.0	70.0	110	1.750	21.0	65.0	115	1.090	10.5	45.0			165	1.600	18.0	65.0	135	1.275	12.5	55.0	105	1.000	18.0	40.0	60	1.400	11.0	65.0														
Brand 26		50.0				45.0				70.0				50.0																				60				70.0															
Brand 7, Model a		30	0.800	9.0	60.0	237	0.820	9.9	50.0	140	1.400	13.0	70.0					45	0.700	7.0	45.0					160	1.500	12.0	70.0	103	1.100	9.5	57.5	78	1.000	13.5	45.0																
Brand 7, Model b		30	0.800	9.0	60.0	237	0.820	9.9	50.0	160	1.600	15.0	70.0					45	0.700	7.0	45.0					160	1.500	12.0	70.0	103	1.100	9.5	57.5	78	1.000	13.5	45.0																
Brand 7, Model c		30	0.900	10.0	60.0	235	0.950	11.0	50.0	190	1.700	14.5	70.0																					92	0.900	14.0	45.0																
Brand 7, Model d		30	0.611	10.0	50.0	141	1.000	15.0	50.0	125	1.800	24.0	70.0																					113	1.750	25.0	65.0																
Brand 7	avg.	30	0.778	9.5	57.5	213	0.898	11.5	50.0	154	1.625	16.6	70.0	113	1.750	25.0	65.0	45	0.700	7.0	45.0					160	1.500	12.0	70.0	103	1.100	9.5	57.5	82	0.967	13.7	45.0																
Brand 7	MIN.	30	0.611	9.0	50.0	141	0.820	9.9	50.0	125	1.400	13.0	70.0	113	1.750	25.0	65.0	45	0.700	7.0	45.0					160	1.500	12.0	70.0	103	1.100	9.5	57.5	78	0.900	13.5	45.0																
Brand 7	MAX.	30	0.900	10.0	60.0	237	1.000	15.0	50.0	190	1.800	24.0	70.0	113	1.750	25.0	65.0	45	0.700	7.0	45.0					160	1.500	12.0	70.0	103	1.100	9.5	57.5	92	1.000	14.0	45.0																
Brand 8, Model a		30	0.750	11.0	45.0	235	0.691	9.0	45.0	205	1.378	15.3	65.0	175	1.287	13.1	55.0																																				
Brand 8, Model b		30	0.750	11.0	45.0	190	0.910	11.0	45.0	170	1.600	18.5	60.0	180	1.300	15.0	55.0																																				
Brand 8	avg.	30	0.750	11.0	45.0	213	0.801	10.0	45.0	188	1.489	16.9	62.5	178	1.294	14.1	55.0																																				
Brand 8	MIN.	30	0.750	11.0	45.0	190	0.691	9.0	45.0	170	1.378	15.3	60.0	175	1.287	13.1	55.0																																				
Brand 8	MAX.	30	0.750	11.0	45.0	235	0.910	11.0	45.0	205	1.600	18.5	65.0	180	1.300	15.0	55.0																																				
Brand 13, Model a		30	0.750	11.0	45.0	220	0.849	10.0	45.0	175	1.600	17.5	60.0	185	1.300	13.5	55.0	150	0.900	11.0	45.0	150	1.300	15.0	55.0					150	1.100	13.0	50.0	130	0.900	13.0	40.0																
Brand 13, Model b		30	0.670	10.0		190	0.930	11.0	45.0	170	1.600	18.5	60.0	180	1.300	15.0	55.0	150	0.900	11.0	45.0	150	1.300	15.0	55.0					150	1.100	13.0	50.0	130	0.900	14.5	40.0																
Brand 13, Model c		30	1.000	12.0	35.0																																																
Brand 13	avg.	30	0.807	11.0	40.0																																					205	0.890	10.5	45.0	173	1.600	18.0	60.0	183	1.300	14.3	55.0
Brand 13	MIN.	30	0.670	10.0	35.0	190	0.849	10.0	45.0	170	1.600	17.5	60.0	180	1.300	13.5	55.0	150	0.900	11.0	45.0	150	1.300	15.0	55.0					150	1.100	13.0	50.0	130	0.900	13.0	40.0																
Brand 13	MAX.	30	1.000	12.0	45.0	220	0.930	11.0	45.0	175	1.600	18.5	60.0	185	1.300	15.0	55.0	150	0.900	11.0	45.0	150	1.300	15.0	55.0					150	1.100	13.0	50.0	130	0.900	14.5	40.0																
Brand 27, Model a		27	0.400	6.5		70	0.900	12.5		122	1.120	18.3	70.0	100	0.700	12.0	50.0																	65	0.500	12.0	45.0	55	1.000	9.5	65.0												
Brand 27, Model b		37	0.700	12.0	40.0					115	1.850	21.0	70.0	95	1.250	18.0	65.0																																				
Brand 27, Model c		30	0.900	10.0	60.0	195	0.920	9.5	50.0	155	1.450	13.5	70.0					90	0.900	8.0	45.0					160	1.700	15.0	70.0	125	1.300	11.5	57.5	70-80	0.7-0.9	11-12.0	45.0																
Brand 27, Model d		30	0.800	10.0	60.0	195	0.820	10.2	50.0	155	1.500	14.0	70.0					40	0.600	7.0	45.0					150	1.400	14.0	70.0	95	1.000	10.5	57.5	70-80	0.8-0.9	11-12.0	45.0					60	1.100	10.5	60.0								
Brand 27, Model e		30			35.0																																																
Brand 27, Model f		30	0.800	9.0	60.0																																				145	1.000	14.0	50.0	125	1.900	23.0	70.0	90	1.000	12.0	50.0	110
Brand 27	avg.	31	0.720	9.5	51.0	151	0.910	11.6	50.0	134	1.564	18.0	70.0	98	0.975	15.0	57.5	73	0.833	9.0	46.7					140	1.533	17.7	68.3	107	1.183	13.3	57.5	65	0.500	12.0	45.0	58	1.050	10.0	62.5												
Brand 27	MIN.	27	0.400	6.5	35.0	70	0.820	9.5	50.0	115	1.120	13.5	70.0	95	0.700	12.0	50.0	40	0.600	7.0	45.0					110	1.400	14.0	65.0	95	1.000	10.5	57.5	65	0.500	12.0	45.0	55	1.000	9.5	60.0												
Brand 27	MAX.	37	0.900	12.0	60.0	195	1.000	14.0	50.0	155	1.900	23.0	70.0	100	1.250	18.0	65.0	90	1.000	12.0	50.0					160	1.700	24.0	70.0	125	1.300	18.0	57.5	65	0.500	12.0	45.0	60	1.100	10.5	65.0												
Brand 28						205	0.760	9.6	55.0	175	1.600	15.0	70.0					130	0.900	9.0	50.0					170	1.500	18.0	65.0	150	1.200	13.5	57.5	100	0.700	8.5	45.0	60	0.800	8.5	65.0												
Brand 29		40	0.750	11.5	45.0	185	0.914	11.0	45.0	160	1.500	18.5	60.0	180	1.250	15.0	55.0																	120	0.850	14.5	40.0	90	1.350	12.5	65.0												
Brand 9, Model a																														170	1.500	18.0	65.0	150	1.200	13.5	57.5																
Brand 9, Model b																																																					
Brand 9, Model c																														30	0.700	10.0	55.0	195	0.740	8.0	45.0									170	1.400	15.5	70.0	180	1.100	12.0	55.0
Brand 9, Model d																														29	0.730	9.0	50.0	190	1.040	12.0	45.0									130	2.080	20.5	75.0	120	1.530	14.5	60.0
		24	0.590	9.0	50.0	170	1.040	11.0	45.0	130	2.080	20.5	75.0	120	1.530	14.5	60.0																	85		45.0					55.0												

Brand 9	avg.	28	0.673	9.3	51.7	185	0.940	10.3	45.0	143	1.853	18.8	73.3	140	1.387	13.7	58.3							105	0.750	12.0	42.5		60.0										
	MIN.	24	0.590	9.0	50.0	170	0.740	8.0	45.0	130	1.400	15.5	70.0	120	1.100	12.0	55.0							85	0.750	12.0	40.0		55.0										
	MAX.	30	0.730	10.0	55.0	195	1.040	12.0	45.0	170	2.080	20.5	75.0	180	1.530	14.5	60.0							125	0.750	12.0	45.0		65.0										
Brand 10, Model a		30	0.450	8.5	50.0	190	1.040	11.0	50.0	150	1.700	16.5	65.0	120	1.350	16.0	55.0							90	1.100	12.0													
Brand 10, Model b		30	0.500	8.5	50.0	200	1.040	12.0	50.0	150	1.500	15.0	65.0	120	1.350	15.0	55.0																						
Brand 10, Model c		30	0.600	10.0	35.0	130	1.050	14.0	50.0	112	1.600	21.0	70.0	110-130	1.25-1.35	14-19	65.0																						
Brand 10, Model d		26			35.0	120			45.0	120			65.0	72			55.0																						
Brand 10, Model e		30	0.450	8.5		138	1.040	11.0		150	1.700	16.5		120	1.350	16.0								90	1.100	12.0		60	1.100	11.5									
Brand 10, Model f		25								150	1.500	15.0		120	1.200	15.0								90															
Brand 10, Model g		40	0.800	9.0		180	0.900	10.0		150	1.300	15.0		120	1.100	13.5																							
Brand 10, Model h		30	0.500	9.0		190	0.830	9.0		120	1.400	14.0		90	1.150	14.5								100	1.050	11.0		40	1.150	13.0									
Brand 10, Model i		30	0.500	9.0		190	0.830	9.0		190	1.700	15.5		150	1.300	16.0								100	1.050	11.0		80	1.250	14.5									
Brand 10	avg.	30	0.543	8.9	42.5	167	0.961	10.9	48.8	144	1.550	16.1	66.3	114	1.257	15.1	57.5							94	1.075	11.5		60	1.167	13.0									
Brand 10	MIN.	25	0.450	8.5	35.0	120	0.830	9.0	45.0	112	1.300	14.0	65.0	72	1.100	13.5	55.0							90	1.050	11.0		40	1.100	11.5									
Brand 10	MAX.	40	0.800	10.0	50.0	200	1.050	14.0	50.0	190	1.700	21.0	70.0	150	1.350	16.0	65.0							100	1.100	12.0		80	1.250	14.5									
Brand 11, Model a		41	0.900	10.0	60.0	232	0.860	11.0	50.0	170	1.400	12.5	70.0					40	0.600	7.0	45.0			170	1.600	14.0	70.0	105	1.100	10.5	57.5	92	0.900	14.0	45.0				
Brand 11, Model b										190	1.700	14.5	70.0					40	0.600	7.0	45.0				170	1.600	14.0	70.0	105	1.100	10.5	57.5							
Brand 11, Model c		30	0.560	9.3	50.0	240	0.657	9.9	50.0	160	0.876	9.4	60.0	90	0.772	9.3	60.0	120	0.677	8.3	50.0				170	1.036	11.5	60.0	145	0.857	9.9	55.0			60	0.693	9.0	60.0	
Brand 11, Model d										160	1.071	11.5	60.0	90	0.944	11.4	60.0																	60	0.847	11.0	60.0		
Brand 11, Model e		30	0.800	9.0	60.0	195	1.030	12.0	50.0	130	1.300	13.0	70.0	105	1.400	15.5	65.0																						
Brand 11, Model f										150	1.400	15.0	70.0																										
Brand 11, Model g		38	0.700	9.0	60.0	240	0.921	9.9	50.0	154	1.400	13.0	70.0					45	0.700	7.0	45.0				160	1.500	12.0	70.0	103	1.100	9.5	57.5							
Brand 11, Model h										174	1.600	15.0	70.0																										
Brand 11, Model i		30	0.700	13.0	40.0	195	1.050	16.0	50.0	145	1.650	17.0	70.0																										
Brand 11	avg.	34	0.732	10.1	54.0	220	0.904	11.8	50.0	159	1.377	13.4	67.8	95	1.039	12.1	61.7	61	0.644	7.3	46.3			168	1.434	12.9	67.5	114	1.039	10.1	56.9	92	0.900	14.0	45.0	60	0.770	10.0	60.0
Brand 11	MIN.	30	0.560	9.0	40.0	195	0.657	9.9	50.0	130	0.876	9.4	60.0	90	0.772	9.3	60.0	40	0.600	7.0	45.0			160	1.036	11.5	60.0	103	0.857	9.5	55.0	92	0.900	14.0	45.0	60	0.693	9.0	60.0
Brand 11	MAX.	41	0.900	13.0	60.0	240	1.050	16.0	50.0	190	1.700	17.0	70.0	105	1.400	15.5	65.0	120	0.700	8.3	50.0			170	1.600	14.0	70.0	145	1.100	10.5	57.5	92	0.900	14.0	45.0	60	0.847	11.0	60.0
Brand 12, Model a		28	0.500	9.0		190	0.830	9.5																100	1.200	11.5													
Brand 12, Model b		40	0.900	9.5		190	1.030	11.0		120	1.500	14.0		90	1.200	14.5																							
Brand 12, Model c										190	1.800	15.5		150	1.350	16.0																							
Brand 12, Model d		28	0.500	9.0	45.0	200	1.040	12.0	50.0	150	1.500	15.0	65.0	120	1.350	15.0	55.0																						
Brand 12, Model e		25	0.500	8.5		180	0.830	10.0		150	1.300	14.0		120	1.100	13.5								100	0.950	10.0	40.0		60	0.950	10.5								
Brand 12, Model f		40	0.900	9.5	50.0	190	1.040	11.0	50.0	150	1.700	16.5	65.0	120	1.350	16.0	55.0																						
Brand 12, Model g		40	0.900	9.0	50.0	138	1.040	11.0	50.0	150	1.650	16.5	65.0	120	1.300	16.0	55.0							90	1.100	12.0	45.0		60	1.100	11.5					50.0			
Brand 12, Model h		28	0.600	9.0	45.0	200	1.040	12.0	50.0	150	1.040	12.0	65.0	85	1.100	11.5	50.0				145	1.350	16.0	55.0				145	1.350	16.0	55.0								

Brand 12	avg.	33	0.686	9.1	47.5	184	0.979	10.9	50.0	151	1.499	14.8	65.0	115	1.250	14.6	53.8		145	1.350	16.0	55.0		145	1.350	16.0	55.0	97	1.083	11.2	42.5	60	1.025	11.0							
Brand 12	MIN.	25	0.500	8.5	45.0	138	0.830	9.5	50.0	120	1.040	12.0	65.0	85	1.100	11.5	50.0		145	1.350	16.0	55.0		145	1.350	16.0	55.0	90	0.950	10.0	40.0	60	0.950	10.5							
Brand 12	MAX.	40	0.900	9.5	50.0	200	1.040	12.0	50.0	190	1.800	16.5	65.0	150	1.350	16.0	55.0		145	1.350	16.0	55.0		145	1.350	16.0	55.0	100	1.200	12.0	45.0	60	1.100	11.5							
Brand 14, Model a		33	0.700	13.0	40.0	174	1.050	13.0	45.0	159	1.700	17.0	75.0																												
Brand 14, Model b						227	0.940	8.9	50.0	180	1.550	14.0	75.0		108	0.750	6.0	45.0					213	1.450	16.0	65.0	161	1.100	11.0	55.0	149	1.100	13.5	45.0	58	1.200	11.0	65.0			
Brand 14, Model c		33	0.900	13.0	45.0	168	1.050	13.0	45.0	144	1.700	17.0	75.0	65	1.200	13.0	50.0																								
Brand 14, Model d		33	0.750	13.0	40.0	176	1.050	13.0	45.0	162	1.650	17.0	75.0						95	1.300	13.0	55.0	136	1.600	22.0	65.0	116	1.450	17.5	60.0											
Brand 14, Model e		38	0.700	13.0	40.0	174	1.050	13.0	45.0	159	1.700	17.0	75.0	92	1.250	13.0	50.0	95	1.100	13.0	45.0		154	1.600	22.0	65.0	125	1.350	17.5	55.0											
Brand 14, Model f		38	0.700	13.0	40.0	174	1.050	13.0	45.0	159	1.700	17.0	75.0	92	1.250	13.0	50.0	95	1.100	13.0	45.0		154	1.600	22.0	65.0	125	1.350	17.5	55.0											
Brand 14, Model g		38	0.600	10.0	40.0	172	0.940	10.0	45.0	160	1.550	13.0	75.0																159	0.950	10.0	40.0									
Brand 14, Model h						230	0.690	7.7	50.0	182	1.100	12.0	75.0	58	0.950	10.0	65.0	118	0.600	6.0	45.0		220	1.100	14.0	65.0	169	0.850	10.0	55.0	149	0.800	8.5	45.0							
Brand 14, Model i						230	0.690	7.7	50.0	182	1.100	12.0	75.0	58	0.950	10.0	65.0	118	0.600	6.0	45.0		220	1.100	14.0	65.0	169	0.850	10.0	55.0	149	1.000	12.0	45.0							
Brand 14, Model j						238	0.750	8.9	50.0	191	1.350	14.0	75.0	144	1.000	13.0	60.0	125	0.750	6.0	45.0		215	1.050	13.0	65.0	170	0.900	9.5	55.0	164	0.900	13.0	45.0	58	1.200	10.5	65.0			
Brand 14, Model k		46	0.550	9.5	40.0	188	0.790	8.7	44.0	174	1.300	14.0	75.0		80	0.700	6.5	47.0	150	1.150	14.0	55.0													55.0						
Brand 14	avg.	38	0.700	11.9	40.8	194	0.896	10.6	46.6	168	1.461	14.8	75.0	85	1.100	12.0	56.7	105	0.808	8.4	45.3	123	1.225	13.5	55.0	183	1.342	17.8	65.0	148	1.121	13.3	55.7	145	0.933	11.4	44.0	58	1.200	10.8	61.7
Brand 14	MIN.	33	0.550	9.5	40.0	168	0.690	7.7	44.0	144	1.100	12.0	75.0	58	0.950	10.0	50.0	80	0.600	6.0	45.0	95	1.150	13.0	55.0	136	1.050	13.0	65.0	116	0.850	9.5	55.0	101	0.800	8.5	40.0	58	1.200	10.5	55.0
Brand 14	MAX.	46	0.900	13.0	45.0	238	1.050	13.0	50.0	191	1.700	17.0	75.0	144	1.250	13.0	65.0	125	1.100	13.0	47.0	150	1.300	14.0	55.0	220	1.600	22.0	65.0	170	1.450	17.5	60.0	164	1.100	13.5	45.0	58	1.200	11.0	65.0
Brand 30										170	1.400	15.5	60.0	180	0.506	11.0	45.0	150	0.900	9.5	45.0	150	1.300	13.0	55.0			150	1.100	11.3	50.0	125	0.750	12.0	40.0	90	1.150	11.5	65.0		
Brand 31		30	0.670	10.9	40.0	222	0.923	9.0	50.0	178	2.000	24.0	70.0																74	0.800	13.9	40.0									
Brand 15, Model a						270	0.923	10.5	50.0	145	1.400	13.5	70.0																95	0.800	13.5	40.0									
Brand 15, Model b		29	0.750	10.0	45.0																																				
Brand 15, Model c						295	0.849	9.5	50.0	160	1.500	14.0	70.0																98	0.850	14.0	40.0									
Brand 15	avg.	29	0.750	10.0	45.0	283	0.886	10.0	50.0	153	1.450	13.8	70.0																97	0.825	13.8	40.0									
Brand 15	MIN.	29	0.750	10.0	45.0	270	0.849	9.5	50.0	145	1.400	13.5	70.0																95	0.800	13.5	40.0									
Brand 15	MAX.	29	0.750	10.0	45.0	295	0.923	10.5	50.0	160	1.500	14.0	70.0																98	0.850	14.0	40.0									
Brand 17, Model a		30	0.750	11.0	45.0	190	0.910	11.0	50.0	170	1.600	18.5	60.0	180	1.300	15.0	55.0												130	0.900	14.5	40.0	90	1.350	12.5	65.0					
Brand 17, Model b		30	0.700	10.0	45.0	205	0.690	9.0	45.0	165	1.400	16.5	60.0	175	1.100	13.0	55.0												125	0.750	13.5	40.0	90	1.150	11.5	65.0					
Brand 17	avg.	30	0.725	10.5	45.0	198	0.800	10.0	47.5	168	1.500	17.5	60.0	178	1.200	14.0	55.0												128	0.825	14.0	40.0	90	1.250	12.0	65.0					
Brand 17	MIN.	30	0.700	10.0	45.0	190	0.690	9.0	45.0	165	1.400	16.5	60.0	175	1.100	13.0	55.0												125	0.750	13.5	40.0	90	1.150	11.5	65.0					
Brand 17	MAX.	30	0.750	11.0	45.0	205	0.910	11.0	50.0	170	1.600	18.5	60.0	180	1.300	15.0	55.0												130	0.900	14.5	40.0	90	1.350	12.5	65.0					
Brand 18, Model a						195	1.057	12.0	45.0	170	1.600	18.5	60.0																130	0.950	14.5	40.0									
Brand 18, Model b		30	0.750	11.0	45.0	225	0.950	10.5	50.0	175	1.600	17.5	60.0																130	0.900	13.0	40.0									
Brand 18, Model c						210	0.848	9.9	50.0	205	1.500	16.6	65.0					150	0.850	8.5	55.0	150	1.550	18.0	65.0	150	1.200	13.3	60.0	120	0.950	13.5	50.0	60	0.950	15.0	60.0				
Brand 18, Model d						225	0.950	10.5	50.0	175	1.600	17.5	60.0					150	0.900	11.0	45.0	150	1.300	15.0	55.0		150	1.100	13.0	50.0	130	0.900	13.0	40.0	60	1.150	10.0	60.0			
Brand 18, Model e		30	0.750	11.0	45.0	225	0.936	10.5	50.0	175	1.600	17.5	60.0					150	0.900	11.0	45.0	150	1.300	15.0	55.0		150	1.100	13.0	50.0	130	0.900	13.0	40.0	60	1.150	10.0	60.0			

Brand 18, Model f					195	1.037	12.0	50.0	170	1.500	18.5	60.0	180	1.350	15.0	55.0									130	0.950	14.5	40.0	60	0.900	10.0	60.0										
Brand 18, Model g		20	0.300	10.5	35.0	220	0.780	9.5	45.0	165	1.300	16.5	60.0	175	1.100	13.1	55.0								125	0.780	13.4	50.0	60	0.750	9.1	60.0										
Brand 18, Model h		20	0.300	10.5	35.0	220	0.836	9.9	45.0	165	1.300	16.5	60.0	175	1.100	13.1	55.0								125	0.780	13.4	50.0	60	0.750	9.1	60.0										
Brand 18, Model i		20	0.280	10.5	35.0	220	0.755	9.5	50.0	175	1.330	15.5	60.0				150	0.850	9.5	45.0	150	1.200	13.0	55.0		150	1.025	11.3	50.0	125	0.710	12.0	40.0	60	0.770	9.1	45.0					
Brand 18, Model j		20	0.280	10.5	35.0	220	0.704	9.9	50.0	175	1.330	15.5	60.0				150	0.850	9.5	45.0	150	1.200	13.0	55.0		150	1.025	11.3	50.0	125	0.710	12.0	40.0	60	0.770	9.1	45.0					
Brand 18, Model k		38	0.781	11.0	40.0	210	0.848	10.0	50.0	205	1.651	16.5	65.0												120	0.902	13.5	50.0														
Brand 18	avg.	25	0.492	10.7	38.6	215	0.882	10.4	48.6	178	1.483	17.0	60.9	177	1.183	13.7	55.0	150	0.875	10.3	45.0	150	1.170	12.9	55.0	150	1.550	18.0	65.0	150	1.090	12.4	52.0	126	0.857	13.3	43.6	60	0.899	10.2	56.3	
Brand 18	MIN.	20	0.280	10.5	35.0	195	0.704	9.5	45.0	165	1.300	15.5	60.0	175	1.100	13.1	55.0	150	0.850	9.5	45.0	150	0.850	8.5	55.0	150	1.550	18.0	65.0	150	1.025	11.3	50.0	120	0.710	12.0	40.0	60	0.750	9.1	45.0	
Brand 18	MAX.	38	0.781	11.0	45.0	225	1.057	12.0	50.0	205	1.651	18.5	65.0	180	1.350	15.0	55.0	150	0.900	11.0	45.0	150	1.300	15.0	55.0	150	1.550	18.0	65.0	150	1.200	13.3	60.0	130	0.950	14.5	50.0	60	1.150	15.0	60.0	
Brand 19, Model a		30	0.800	8.0	65.0	222	0.755	11.0		135	1.550	17.6	65.0																													
Brand 19, Model b		30	0.740	12.4	40.0	221	0.965	9.0	50.0	117	1.700	17.2	65.0																													
Brand 19	avg.	30	0.770	10.2	52.5	222	0.860	10.0	50.0	126	1.625	17.4	65.0																													
Brand 19	MIN.	30	0.740	8.0	40.0	221	0.755	9.0	50.0	117	1.550	17.2	65.0																													
Brand 19	MAX.	30	0.800	12.4	65.0	222	0.965	11.0	50.0	135	1.700	17.6	65.0																													
Brand 20, Model a																																										
Brand 20, Model b		29	0.600	12.0	35.0	140	0.950	12.0	50.0	105	1.500	20.0	70.0	102	1.300	20.0	65.0																									
Brand 20, Model c		30	0.700	10.0	35.0					105	1.450	14.0	65.0	105	0.620	13.6	45.0		95	1.150	10.0	55.0	150	1.550	18.0	65.0	123	1.350	14.0	60.0												
Brand 20, Model d										135	1.750	21.0	75.0																													
Brand 20, Model e		30	0.500	10.0	35.0	155	0.800	13.0	50.0	103	1.400	20.0	70.0	140	1.350	18.0	65.0										71	0.700	14.0	40.0												
Brand 20, Model f		29	0.800	10.5	45.0	295	0.849	9.5	50.0	130	1.350	12.8	70.0				100	0.900	7.0	45.0				165	1.500	15.5	65.0	133	1.200	11.3	55.0					60	1.300	10.5	65.0			
Brand 20, Model g		30	0.500	10.0	35.0	155	0.800	13.0	50.0	103	1.400	20.0	70.0	140	1.350	18.0	65.0										71	0.700	14.0	40.0												
Brand 20, Model h		29	0.800	10.0		195	0.830	9.5																			100	0.900	14.0													
Brand 20	avg.	30	0.650	10.4	37.0	188	0.846	11.4	50.0	114	1.475	18.0	70.0	122	1.155	17.4	60.0	100	0.900	7.0	45.0	95	1.150	10.0	55.0	158	1.525	16.8	65.0	128	1.275	12.6	57.5	81	0.767	14.0	40.0					
Brand 21	MIN.	29	0.500	10.0	35.0	140	0.800	9.5	50.0	103	1.350	12.8	65.0	102	0.620	13.6	45.0	100	0.900	7.0	45.0	95	1.150	10.0	55.0	150	1.500	15.5	65.0	123	1.200	11.3	55.0	71	0.700	14.0	40.0					
Brand 22	MAX.	30	0.800	12.0	45.0	295	0.950	13.0	50.0	135	1.750	21.0	75.0	140	1.350	20.0	65.0	100	0.900	7.0	45.0	95	1.150	10.0	55.0	165	1.550	18.0	65.0	133	1.350	14.0	60.0	100	0.900	14.0	40.0					
Brand 21, Model a		27	0.700	6.5	38.0	265	0.640	9.0	50.0	155	1.600	15.5	70.0	150	1.350	12.5	65.0		45.0				65.0							125	1.150	12.5	45.0	60	1.400	9.5	65.0					
Brand 21, Model b		27	0.700	6.5	38.0	150	0.910	12.0	50.0	130	1.600	15.5	70.0																													
Brand 21, Model c		27	0.700	6.5	38.0	264	0.630	9.0	50.0	155	1.600	15.5	70.0																		125	1.150	12.5	45.0								
Brand 21, Model d		27	0.700	8.2	38.0	215	0.835	12.0	50.0	130	1.600	15.5	70.0	95	1.350	13.5	65.0																									
Brand 21, Model e		27	0.700	6.7	38.0	265	0.734	9.0	50.0	135	1.600	15.5	70.0	150	1.350	12.5	65.0													125	1.150	12.4	45.0	60	1.400	9.6	65.0					
Brand 21, Model f																																										
Brand 21	avg.	27	0.700	6.9	38.0	232	0.750	10.2	50.0	141	1.600	15.5	70.0	132	1.350	12.8	65.0														125	1.150	12.5	45.0	60	1.400	9.6	65.0				
Brand 21	MIN.	27	0.700	6.5	38.0	150	0.630	9.0	50.0	130	1.600	15.5	70.0	95	1.350	12.5	65.0														125	1.150	12.4	45.0	60	1.400	9.5	65.0				
Brand 21	MAX.	27	0.700	8.2	38.0	265	0.910	12.0	50.0	155	1.600	15.5	70.0	150	1.350	13.5	65.0														125	1.150	12.5	45.0	60	1.400	9.6	65.0				

Brand 22, Model a		30	0.820	11.2	45.0	198	0.747	9.8	50.0	205	1.500	16.6	65.0	175	0.980	13.6	55.0			90	0.850	8.5	55.0	180	1.550	18.0	65.0	135	1.200	13.3	60.0	120	0.950	13.5	50.0					
Brand 22, Model b		30	0.700	10.0	45.0	190	0.740	9.0	45.0	165	1.400	16.5	60.0	175	1.100	13.0	55.0																125	0.750	13.5	40.0	90	1.150	11.5	65.0
Brand 22, Model c		30	0.820	11.2	45.0	198	0.747	9.8	50.0	205	1.500	16.6	65.0	175	0.980	13.6	55.0			90	0.850	8.5	55.0	180	1.550	18.0	65.0	135	1.200	13.3	60.0	120	0.950	13.5	50.0					
Brand 22, Model d		30	0.700	10.0	45.0	198	0.740	8.0	45.0	170	1.400	15.5	60.0	180	1.100	12.0	55.0	150	0.900	9.5	45.0	150	1.300	13.0	55.0			150	1.100	11.3	50.0	125	0.750	12.0	40.0					
Brand 22	avg.	30	0.760	10.6	45.0	196	0.744	9.2	47.5	186	1.450	16.3	62.5	176	1.040	13.1	55.0	150	0.900	9.5	45.0	110	1.000	10.0	55.0	180	1.550	18.0	65.0	140	1.167	12.6	56.7	123	0.850	13.1	45.0			
Brand 22	MIN.	30	0.700	10.0	45.0	190	0.740	8.0	45.0	165	1.400	15.5	60.0	175	0.980	12.0	55.0	150	0.900	9.5	45.0	90	0.850	8.5	55.0	180	1.550	18.0	65.0	135	1.100	11.3	50.0	120	0.750	12.0	40.0			
Brand 22	MAX.	30	0.820	11.2	45.0	198	0.747	9.8	50.0	205	1.500	16.6	65.0	180	1.100	13.6	55.0	150	0.900	9.5	45.0	150	1.300	13.0	55.0	180	1.550	18.0	65.0	150	1.200	13.3	60.0	125	0.950	13.5	50.0			
Brand 16, Model a		30	0.800	10.0	45.0	140	1.050	12.0	50.0	138	1.650	16.0	70.0							85	1.100	10.0	55.0	140	1.600	17.0	65.0	113	1.350	13.5	60.0	75	0.900	14.0	40.0					
Brand 16, Model b		35	0.950	13.0	45.0	140	1.050	16.0	50.0	130	1.800	19.0	70.0	125	1.750	19.0	65.0																75	1.000	17.0	40.0				
Brand 16	avg.	33	0.875	11.5	45.0	140	1.050	14.0	50.0	134	1.725	17.5	70.0	125	1.750	19.0	65.0			85	1.100	10.0	55.0	140	1.600	17.0	65.0	113	1.350	13.5	60.0	75	0.950	15.5	40.0					
Brand 16	MIN.	30	0.800	10.0	45.0	140	1.050	12.0	50.0	130	1.650	16.0	70.0	125	1.750	19.0	65.0			85	1.100	10.0	55.0	140	1.600	17.0	65.0	113	1.350	13.5	60.0	75	0.900	14.0	40.0					
Brand 16	MAX.	35	0.950	13.0	45.0	140	1.050	16.0	50.0	138	1.800	19.0	70.0	125	1.750	19.0	65.0			85	1.100	10.0	55.0	140	1.600	17.0	65.0	113	1.350	13.5	60.0	75	1.000	17.0	40.0					
Brand 23, Model a		30	0.900	12.4	40.0	165	0.900	12.0	50.0	117	1.610	17.2	65.0																						50	1.350	12.7	65.0		
Brand 23, Model b		30	0.760	10.9	40.0	156	0.900	9.0	50.0	117	1.950	24.6	70.0							100	1.130	10.9	50.0	121	1.460	18.5	60.0	111	1.295	14.7	55.0									
Brand 23	avg.	30	0.830	11.7	40.0	161	0.900	10.5	50.0	117	1.780	20.9	67.5							100	1.130	10.9	50.0	121	1.460	18.5	60.0	111	1.295	14.7	55.0									
Brand 23	MIN.	30	0.760	10.9	40.0	156	0.900	9.0	50.0	117	1.610	17.2	65.0							100	1.130	10.9	50.0	121	1.460	18.5	60.0	111	1.295	14.7	55.0									
Brand 23	MAX.	30	0.900	12.4	40.0	165	0.900	12.0	50.0	117	1.950	24.6	70.0							100	1.130	10.9	50.0	121	1.460	18.5	60.0	111	1.295	14.7	55.0									
Brand 24, Model a		50	0.850	11.0	45.0	230	0.920	10.0	50.0	175	1.450	13.0	70.0																				114	0.850	10.5	40.0				
Brand 24, Model b		30	0.800	11.0	45.0	170	1.050	11.0	50.0									65	0.990	7.0	40.0				205	1.750	15.0	70.0	135	1.370	11.0	55.0	100	0.850	10.0	40.0				
Brand 24, Model c		30	0.550	9.0	50.0	190	0.950	9.5	50.0	170	1.500	14.0	65.0	95	1.150	13.0	50.0	85	0.900	7.0	50.0				180	1.400	14.0	60.0	133	1.150	10.5	55.0	100	1.200	11.5	45.0				
Brand 24, Model d		30	0.500	9.0	50.0	190	0.750	9.5	50.0	170	1.500	14.0	65.0	85	1.100	11.5	50.0	85	0.900	7.0	50.0				180	1.400	14.0	60.0	133	1.150	10.5	55.0	100	1.200	11.5	45.0				
Brand 24, Model e		30	0.550	9.0	50.0	190	0.930	9.5	50.0	170	1.500	14.0	65.0	95	1.150	13.0	50.0	85	0.900	7.0	50.0				180	1.400	14.0	60.0	133	1.150	10.5	55.0	100	1.200	11.5	45.0				
Brand 24	avg.	34	0.650	9.8	48.0	194	0.920	9.9	50.0	171	1.488	13.8	66.3	92	1.133	12.5	50.0	80	0.923	7.0	47.5				186	1.488	14.3	62.5	133	1.205	10.6	55.0	103	1.060	11.0	43.0				
Brand 24	MIN.	30	0.500	9.0	45.0	170	0.750	9.5	50.0	170	1.450	13.0	65.0	85	1.100	11.5	50.0	65	0.900	7.0	40.0				180	1.400	14.0	60.0	133	1.150	10.5	55.0	100	0.850	10.0	40.0				
Brand 24	MAX.	50	0.850	11.0	50.0	230	1.050	11.0	50.0	175	1.500	14.0	70.0	95	1.150	13.0	50.0	85	0.990	7.0	50.0				205	1.750	15.0	70.0	135	1.370	11.0	55.0	114	1.200	11.5	45.0				
Brand 25, Model a		30	0.900	9.0	65.0	130	1.000	14.0	50.0	85	1.800	22.0	70.0	105	1.500	23.0	65.0																							
Brand 25, Model b		30	0.900	9.0	65.0	140	1.200	16.0	50.0	95	2.000	25.0	70.0	115	1.700	25.0	65.0																							
Brand 25, Model c		30	1.050	11.0	65.0					110	1.150	16.0	65.0	95	1.150	13.0	65.0																							
Brand 25, Model d		40	1.150	13.0	65.0					120	1.240	18.0	65.0	105	1.240	15.0	65.0																							
Brand 25, Model e		30	1.050	11.0	65.0	115	0.950	16.0	50.0	125	1.400	18.0	65.0	110	1.400	14.0	65.0																							
Brand 25, Model f		40	1.150	13.0	65.0	125	1.050	18.0	50.0	135	1.500	20.0	65.0	120	1.500	16.0	65.0																							
Brand 25, Model g		40	1.000	17.0	50.0	70	1.400	20.0	50.0	70	1.500	20.0	65.0	64	1.500	17.0	65.0																							
Brand 25, Model h		30	0.800	9.0	65.0	195	1.020	11.0	50.0	130	1.400	13.0	70.0	100	1.200	15.0	65.0																							
Brand 25, Model i		30	0.800	9.0	65.0	195	1.020	11.0	50.0	150	1.400	15.0	70.0	110	1.600	16.0	65.0																							
Brand 25, Model j		40	1.000	17.0	55.0	70	1.400	20.0	50.0	80	1.900	25.0	70.0	70	1.500	20.0	65.0																							

Brand 25	avg.	34	0.980	11.8	62.5	130	1.130	15.8	50.0	110	1.529	19.2	67.5	99	1.429	17.4	65.0								
Brand 25	MIN.	30	0.800	9.0	50.0	70	0.950	11.0	50.0	70	1.150	13.0	65.0	64	1.150	13.0	65.0								
Brand 25	MAX.	40	1.150	17.0	65.0	195	1.400	20.0	50.0	150	2.000	25.0	70.0	120	1.700	25.0	65.0								

Supplementary material S2: Information about average energy and water consumption, temperature and time of all cycles of the machines of different manufacturers.

	Short				Eco				Intensive				Auto/Normal average				Auto/Normal average (higher t&T)				Normal				Auto 45 °C				Auto 55 °C				Auto 65-70				Auto average				Glass				1 Hour						
Device	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]	[min]	E [kWh]	W (L)	T [°C]							
1	30.00	0.87	10.00	61.50	227.22	0.88	10.47	50.00	159.15	1.57	14.14	70.00	97.17	1.15	12.20	60.00	125.19	1.37	13.81	66.25	91.50	1.20	13.95	62.50	46.78	0.67	7.22	45.00					158.89	1.53	13.67	70.00	102.83	1.10	10.44	57.50	84.29	0.89	13.29	45.00							
2	31.25	0.68	10.75	37.50	147.50	0.93	14.00	50.00	112.00	1.55	20.00	70.00	127.50	1.40	16.67	62.50	140.00	1.49	18.67	65.00	135.00	1.48	18.33	65.00					95.00	1.15	11.00	55.00	145.00	1.50	19.00	65.00	120.00	1.33	15.00	60.00	72.00	0.80	15.00	40.00							
3	30.00	0.80	11.11	36.88	194.56	0.89	11.06	50.00	142.57	1.49	16.96	70.00	136.17	1.22	12.52	52.50	171.67	1.51	14.33	65.00					100.67	0.93	10.70	40.71					171.67	1.51	14.33	65.00	136.17	1.22	12.52	52.50	103.67	1.10	13.47	40.00	58.00	1.21	11.08	61.25			
4	30.00	0.77	10.87	35.00	190.00	1.04	10.00	50.00	140.67	1.55	17.53	70.00	131.50	1.51	16.12	62.50	148.33	1.63	17.57	67.50	132.00	1.77	18.60	70.00	90.00	0.90	11.00	40.00	112.00	1.18	10.20	55.00	164.67	1.49	16.53	65.00	131.00	1.24	13.63	55.00	78.00	0.88	13.40	40.00	58.00	1.25	10.80	60.00			
5	29.89	0.78	10.49	44.00	243.50	0.83	10.07	50.26	132.88	1.37	14.14	69.74	108.88	1.21	12.46	58.75	123.98	1.35	14.52	63.75	87.57	1.27	13.43	62.50	100.00	0.86	7.38	45.00					160.38	1.42	15.62	65.00	130.19	1.14	11.50	55.00	89.00	0.86	14.87	40.00	60.00	1.24	10.36	65.00			
6	38.00	0.66	10.80	42.00	185.00	0.91	10.40	47.00	171.00	1.58	17.80	65.00	166.25	1.19	12.94	52.50	173.75	1.29	14.43	55.00	182.50	1.29	14.50	55.00	135.00	0.90	8.40	45.00	165.00	1.30	14.35	55.00				150.00	1.10	11.38	50.00	116.25	0.87	14.13	43.75	78.00	1.27	11.40	62.00				
7	30.00	0.78	9.50	57.50	212.50	0.90	11.45	50.00	153.75	1.63	16.63	70.00	107.75	1.43	17.25	61.25	136.50	1.63	18.50	67.50	113.00	1.75	25.00	65.00	45.00	0.70	7.00	45.00					160.00	1.50	12.00	70.00	102.50	1.10	9.50	57.50	82.33	0.97	13.67	45.00							
8	30.00	0.75	11.00	45.00	212.50	0.80	10.00	45.00	187.50	1.49	16.90	62.50	177.50	1.29	14.05	55.00	177.50	1.29	14.05	55.00	177.50	1.29	14.05	55.00																											
9	27.67	0.67	9.33	51.67	185.00	0.94	10.33	45.00	143.33	1.85	18.83	73.33	140.00	1.39	13.67	58.33	140.00	1.39	13.67	58.33	140.00	1.39	13.67	58.33																											
10	30.11	0.54	8.93	42.50	167.25	0.96	10.86	48.75	143.56	1.55	16.06	66.25	114.00	1.26	15.14	57.50	114.00	1.26	15.14	57.50	114.00	1.26	15.14	57.50																											
11	33.80	0.73	10.06	54.00	220.40	0.90	11.76	50.00	159.22	1.38	13.43	67.78	104.69	1.04	11.08	59.27	131.25	1.24	12.47	64.58	95.00	1.04	12.07	61.67	61.25	0.64	7.33	46.25					167.50	1.43	12.88	67.50	114.38	1.04	10.10	56.88	92.00	0.90	14.00	45.00	60.00	0.77	10.00	60.00			
12	32.71	0.69	9.07	47.50	184.00	0.98	10.93	50.00	151.43	1.50	14.79	65.00	130.00	1.30	15.32	54.38	130.00	1.30	15.32	54.38	115.00	1.25	14.64	53.75					145.00	1.35	16.00	55.00				145.00	1.35	16.00	55.00	96.67	1.08	11.17	42.50	60.00	1.03	11.00	50.00				
13	30.00	0.81	11.00	40.00	205.00	0.89	10.50	45.00	172.50	1.60	18.00	60.00	166.25	1.20	13.63	52.50	166.25	1.30	14.63	55.00	182.50	1.30	14.25	55.00	150.00	0.90	11.00	45.00	150.00	1.30	15.00	55.00				150.00	1.10	13.00	50.00	130.00	0.90	13.75	40.00								
14	37.67	0.70	11.92	40.83	194.44	0.90	10.56	46.56	168.11	1.46	14.78	75.00	116.20	1.11	12.64	56.19	134.00	1.22	14.92	60.83	84.83	1.10	12.00	56.67	105.17	0.81	8.42	45.33	122.50	1.23	13.50	55.00	183.17	1.34	17.83	65.00	147.57	1.12	13.29	55.71	145.17	0.93	11.42	44.00	58.00	1.20	10.75	65.00			
15	29.00	0.75	10.00	45.00	282.50	0.89	10.00	50.00	152.50	1.45	13.75	70.00																																							
16	32.50	0.88	11.50	45.00	140.00	1.05	14.00	50.00	134.00	1.73	17.50	70.00	118.75	1.55	16.25	62.50	132.50	1.68	18.00	65.00	125.00	1.75	19.00	65.00					85.00	1.10	10.00	55.00	140.00	1.60	17.00	65.00	112.50	1.35	13.50	60.00	75.00	0.95	15.50	40.00							
17	30.00	0.73	10.50	45.00	197.50	0.80	10.00	47.50	167.50	1.50	17.50	60.00	177.50	1.20	14.00	55.00	177.50	1.20	14.00	55.00	177.50	1.20	14.00	55.00																											
18	25.43	0.49	10.71	38.57	215.00	0.88	10.38	48.64	177.73	1.48	16.96	60.91	163.33	1.14	13.04	53.50	163.33	1.37	15.87	60.00	176.67	1.18	13.73	55.00	150.00	0.88	10.25	45.00	150.00	1.17	12.90	55.00	150.00	1.55	18.00	65.00	150.00	1.09	12.35	52.00	126.36	0.86	13.25	43.64	60.00	0.90	10.18	56.25			
19	30.00	0.77	10.20	52.50	221.50	0.86	10.00	50.00	126.00	1.63	17.40	65.00																																							
20	29.50	0.65	10.42	37.00	188.00	0.85	11.40	50.00	113.50	1.48	17.96	70.00	124.63	1.22	15.01	58.75	139.63	1.34	17.08	62.50	121.75	1.16	17.40	60.00	100.00	0.90	7.00	45.00	95.00	1.15	10.00	55.00	157.50	1.53	16.75	65.00	127.50	1.28	12.63	57.50	80.67	0.77	14.00	40.00	60.00	1.30	10.50	65.00			
21	27.00	0.70	6.88	38.00	231.80	0.75	10.20	50.00	141.00	1.60	15.50	70.00	131.67	1.35	12.83	65.00	131.67	1.35	12.83	65.00	131.67	1.35	12.83	65.00				45.00																							
22	30.00	0.76	10.60	45.00	196.00	0.74	9.15	47.50	186.25	1.45	16.30	62.50	158.13	1.10	12.82	55.83	178.13	1.30	15.53	60.00	176.25	1.04	13.05	55.00	150.00	0.90	9.50	45.00	110.00	1.00	10.00	55.00	180.00	1.55	18.00	65.00	140.00	1.17	12.58	56.67	122.50	0.85	13.13	45.00	90.00	1.15	11.50	65.00			
23	30.00	0.83	11.65	40.00	160.50	0.90	10.50	50.00	117.00	1.78	20.90	67.50	110.50	1.30	14.70	55.00	121.00	1.46	18.50	60.00									100.00	1.13	10.90	50.00	121.00	1.46	18.50	60.00	110.50	1.30	14.70	55.00				50.00	1.35	12.70	65.00				
24	34.00	0.65	9.80	48.00	194.00	0.92	9.90	50.00	171.25	1.49	13.75	66.25	112.40	1.17	11.56	52.50	138.96	1.31	13.38	56.25	91.67	1.13	12.50	50.00	80.00	0.92	7.00	47.50					186.25	1.49	14.25	62.50	133.13	1.21	10.63	55.00	102.80	1.06	11.00	43.00							

Supplementary material S4: Anonymized brand distribution in 11 different countries in %.

Brand	GB	FR	BE	ES	IT	GR	PL	SE	TR	RO	IL
1	4.50		13.62	5.50							5.80
2				13.60							
3	16.50	8.30	9.65	10.30	5.50	5.50	17.57		15.00	22.74	5.20
4											7.50
5	25.70	20.50	17.95	15.30	13.80	18.70	23.27	14.50	13.60	19.67	32.20
6		6.90				1.70					
7		5.20			14.20		12.30	13.30		7.87	5.70
8											
9	3.20			2.50							
10	9.20				10.10		3.13				
11								14.00			
12	7.30	4.40		4.90	10.60	3.10	2.23				
13											
14	3.40	6.50	11.79	7.80				6.60			5.20
15	5.20		0.94			2.50					
16						19.00					
17											
18					2.40		3.15		2.50	2.03	
19											
20	3.10	7.10	17.67	7.20	7.60	8.30	9.77	12.50	6.40		17.20
21			0.80								
22		4.10									
23									11.50		
24		11.80	9.32	4.20	5.10	10.60	14.60	5.00		21.61	
25	3.80		3.17	6.00							
Remaining	18.10	25.20	15.09	22.70	30.70	30.60	13.99	34.10	51.00	26.08	21.20