

Supplier's name or trade mark: Beko					
Supplier's address : Arctic S.A Gaesti, Dambovita, 13 Decembrie Street, No 210, Romania					
Model identifier: WRE 7511 XWW 7320930005					
General product parameters:					
Parameter	Value		Parameter	Value	
Rated capacity (kg)	7,0		Dimensions in cm	Height	84
				Width	60
				Depth	49
EEl _w	90,5		Energy efficiency class	E	
Washing efficiency index	1,04		Rinsing effectiveness (g/kg)	4,9	
Energy consumption in kWh per cycle, based on the eco 40-60 programme. Actual energy consumption will depend on how the appliance is used.	0,780		Water consumption in litre per cycle, based on the eco 40-60 programme. Actual water consumption will depend on how the appliance is used and on the hardness of the water.	45	
Maximum temperature inside the treated textile (°C)	Rated capacity	42	Remaining moisture content (%)	Rated capacity	62
	Half	41		Half	62
	Quarter	26		Quarter	62
Spin speed (rpm)	Rated capacity	1000	Spin-drying efficiency class	C	
	Half	1000			
	Quarter	1000			
Programme duration (h:min)	Rated capacity	3:27	Type	Free-Standing	
	Half	2:41			
	Quarter	2:41			
Airborne acoustical noise emissions in the spinning phase (dB(A) re 1 pW)	74		Airborne acoustical noise emission class (spinning phase)	B	
Off-mode (W)	0,50		Standby mode (W)	1,00	
Delay start (W) (if applicable)	4,00		Networked standby (W) (if applicable)	NA	
Minimum duration of the guarantee offered by the supplier :			24 months		
This product has been designed to release silver ions during the washing cycle			NO		
Additional information:					
Weblink to the supplier's website, where the information in point 9 of Annex II to Commission Regulation (EU) 2019/2023 is found: http://support.beko.com					

Reference to the harmonised or other standards applied	EN 60456:2016/A11:2020, IEC 60704-2-4:2012	
Reference to the other technical standards and specifications		
PARAMETER	UNIT	DECLARED/CALCULATED VALUES
Rated capacity for the eco 40-60 programme, at 0,5 kg intervals (c)	kg	7,0
Energy consumption of the eco 40-60 programme at rated capacity (E _{w,full})	kWh/cycle	1,045
Energy consumption of the eco 40-60 programme at half rated capacity (E _{w,½})	kWh/cycle	0,750
Energy consumption of the eco 40-60 programme at quarter rated capacity (E _{w,¼})	kWh/cycle	0,440
Weighted energy consumption of the eco 40-60 programme (E _w)	kWh/cycle	0,780
Standard energy consumption of the eco 40-60 programme (SCE _w)	kWh/cycle	0,862
Energy Efficiency Index (EEI _w)	-	90,5
Water consumption of the eco 40-60 programme at rated capacity (W _{w,full})	L/cycle	52,0
Water consumption of the eco 40-60 programme at half rated capacity (W _{w,½})	L/cycle	43,0
Water consumption of the eco 40-60 programme at quarter rated capacity (W _{w,¼})	L/cycle	38,0
Weighted water consumption (W _w)	L/cycle	45
Washing efficiency index of the eco 40-60 programme at rated capacity (I _w)	-	1,04
Washing efficiency index of the eco 40-60 programme at half rated capacity (I _w)	-	1,04
Washing efficiency index of the eco 40-60 programme at quarter rated capacity (I _w)	-	1,04
Rinsing effectiveness of the eco 40-60 programme at rated capacity (I _R)	g/kg	4,9
Rinsing effectiveness of the eco 40-60 programme at half rated capacity (I _R)	g/kg	4,9
Rinsing effectiveness of the eco 40-60 programme at quarter rated capacity (I _R)	g/kg	4,9
Programme duration of the eco 40-60 programme at rated capacity (t _w)	h:min	3:27
Programme duration of the eco 40-60 programme at half rated capacity (t _w)	h:min	2:41
Programme duration of the eco 40-60 programme at quarter rated capacity (t _w)	h:min	2:41
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at rated capacity (T)	°C	42
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at half rated capacity (T)	°C	41
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at quarter rated capacity (T)	°C	26
Spin speed in the spinning phase of the eco 40-60 programme at rated capacity (S)	rpm	1000
Spin speed in the spinning phase of the eco 40-60 programme at half rated capacity (S)	rpm	1000
Spin speed in the spinning phase of the eco 40-60 programme at quarter rated capacity (S)	rpm	1000
Remaining moisture content for the eco 40-60 programme at rated capacity (D _{full})	%	62
Remaining moisture content for the eco 40-60 programme at half rated capacity (D _½)	%	62
Remaining moisture content for the eco 40-60 programme at quarter rated capacity (D _¼)	%	62
Weighted remaining moisture content (D)	%	62
Airborne acoustical noise emissions during eco 40-60 programme (spinning phase)	dB(A) re 1 pW	74
Power consumption in 'off mode' (P _o)	W	0,50
Power consumption in 'standby mode' (P _{sm})	W	1,00
Does 'standby mode' include the display of information?	-	YES
Power consumption in 'standby mode' (P _{sm}) in condition of networked standby (if applicable)	W	NA
Power consumption in 'delay start' (P _{ds}) (if applicable)	W	4,00

$$A = -0,0391 \times c + 0,6918$$
$$B = -0,0109 \times c + 0,3582$$
$$C = 1 - (A + B)$$
$$E_{wz} = \frac{1}{n} \sum_{i=1}^n W_{wz,i}$$

E_{wz,i}: energy consumption of test run
E_{wz}: energy consumption of treatment
z: treatment
i: number of test run

$$E_w = A \times E_{w,full} + B \times E_{w,\frac{1}{2}} + C \times E_{w,\frac{1}{4}}$$
$$SCE_w = -0,0025 \times c^2 + 0,0846 \times c + 0,3920$$
$$EEI_w = \frac{E_w}{SCE_w} \times 100$$

$$W_{wz} = \frac{1}{n} \sum_{i=1}^n W_{wz,i}$$

W_{wz,i}: water consumption of test run
W_{wz}: water consumption of treatment
z: treatment
i: number of test run

$$W_w = A \times W_{w,full} + B \times W_{w,\frac{1}{2}} + C \times W_{w,\frac{1}{4}}$$

$$C_z = \frac{1}{n} \sum_{i=1}^n C_{z,i}$$
$$I_{w,z} = \frac{C_z}{C_{ref}}$$

C_z: sum of reflectance values
z=: treatment (full,1/2,1/4)
C_{ref}: The average of the sum of reflectance values for each treatment
C_{ref}: the average of the sum of reflectance values for reference machine

$$Asp_i = Asp_{i,223} - Asp_{i,330}$$
$$C_{sj} = \frac{Asp_{avg,j} - b}{m}$$
$$Dsw_k = \frac{Dsj}{Wsw_k}$$
$$DL_i = Dsw_{avg,i}$$

Asp_{avg,j} = $\frac{1}{n} \sum_{i=1}^n Asp_i$
Dsj = $C_{sj} \times W_{sj} \times \frac{1}{1000} \frac{l}{g}$
Dsw_{avg,i} = $\frac{1}{n} \sum_{k=1}^n Dsw_k$
R = $\frac{1}{n} \sum_{i=1}^n DL_i$

i:specimen
j:sample
n: number of measurement
Asp_i: net apsorbance for each specimen
Asp_{avg}: Average absorbance
m:slope of detergent calibration curve
b:intercept detergent of calibration curve
C_{sj}: concentration of detergent sample
Wsj: weight of water in sample
Dsj: Mass of detergent recovered from sample
Dswk:Ratio of mass of detergent recovered per gram of test swatch
Dsw_{avg}: Average *Dswk* of test run
DL_i:Ratio of mass of detergent per kg of load
R: Rinsing effectiveness of all test runs

$$t_{w,z} = \frac{1}{n} \sum_{i=1}^n t_{w,z,i}$$

t_{w,z}: program duration
i=: test run
z:treatment
t_w:duration of treatment

$$x = \frac{300 \text{ s}}{\text{sampling rate (s)}}$$

Sort data in descending order and identify
x'th data

$$\vartheta_{max,z,i} = \frac{1}{n} \sum_{i=1}^n \vartheta_{max,z,i,k}$$

ϑ_{max,z}: max temperature of treatment
ϑ_{max,z,i}: max temperature of each run
ϑ_{max,z,i,k}: max temperature of the datalogger
z:treatment
i:test run
k:data logger

$$S_z = \frac{1}{n} \sum_{i=1}^n S_{z,i}$$

S_z: max spin speed of treatment
S_{z,i}: max spin speed of test run
z:treatment
i:test run

$$D_{½,part,i} = \frac{M_{r,½,part,i} - M_{part}}{M_{part}}$$
$$D_{z,i} = \frac{M_{r,z,i} - M_z}{M_z}$$
$$D_z = \frac{1}{n} \sum_{i=1}^n D_{z,i}$$

$$D_{1/2} = \frac{1}{4} (D_{½,part A,1} + D_{½,part B,2} + D_{½,part A,3} + D_{½,part B,4})$$

M: mass of conditioned load
D_{z,i}: Remaining moisture content of test run
D_z: Remaining moisture content of treatment
M_f: Mass of load at the end of test run
M: Mass of conditioned load
i: test run

$$D = [A \times D_{full} + B \times D_{\frac{1}{2}} + C \times D_{\frac{1}{4}}]$$