

Name of the supplier	LG Electronics Inc.
Address of the supplier	LG Electronics Inc. LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Korea
Model Identifier	F964V50WRS
General description	Washer-Dryer
References to the harmonised standards applied	EN 60456
Other measurement standards and specifications used	Regulation No. 2019_2014
Testing condition	AC 230 V, 50 Hz
Specific precaution	-

PARAMETER	UNIT	VALUE
Rated capacity for the washing cycle, at 0,5 kg intervals	kg	9.0
Rated capacity for the wash and dry cycle, at 0,5 kg intervals	kg	6.0
Energy consumption of the eco 40-60 programme at rated washing capacity ($E_{W,full}$)	kWh/cycle	1.011
Energy consumption of the eco 40-60 programme at a half of rated washing capacity ($E_{W,1/2}$)	kWh/cycle	0.500
Energy consumption of the eco 40-60 programme at a quarter of rated washing capacity ($E_{W,1/4}$)	kWh/cycle	0.242
Weighted energy consumption of the eco 40-60 programme (E_W)	kWh/cycle	0.571
Standard energy consumption of eco 40-60 programme (SCE_W)	kWh/cycle	0.951
Energy Efficiency index of the washing cycle (EEI_W)	-	60.0
energy consumption of the wash and dry cycle at rated capacity ($E_{WD,full}$)	kWh/cycle	4.520
energy consumption of the wash and dry cycle at half rated capacity ($E_{WD,1/2}$)	kWh/cycle	2.180
Weighted energy consumption of the wash and dry cycle (E_{WD})	kWh/cycle	3.584
Standard energy consumption of the wash and dry cycle (SCE_{WD})	kWh/cycle	4.594
Energy Efficiency index of the wash and dry cycle (EEI_{WD})	-	78.00
Water consumption of the eco 40-60 programme at rated washing capacity ($W_{W,full}$)	L/cycle	63.0
Water consumption of the eco 40-60 programme at a half of the rated washing capacity ($W_{W,1/2}$)	L/cycle	48.0
Water consumption of the eco 40-60 programme at a quarter of the rated washing capacity ($W_{W,1/4}$)	L/cycle	39.0
Weighted water consumption of the washing cycle (W_W)	L/cycle	50
Water consumption of the wash and dry cycle at rated capacity ($W_{WD,full}$)	L/cycle	110.0
Water consumption of the wash and dry cycle at a half rated capacity ($W_{WD,1/2}$)	L/cycle	60.0
Weighted water consumption of the wash and dry cycle (W_{WD})	L/cycle	90
Washing efficiency index of the eco 40-60 programme at rated washing capacity (I_W)	-	1.04
Washing efficiency index of the eco 40-60 programme at a half rated washing capacity ($I_{W,1/2}$)	-	1.04
Washing efficiency index of the eco 40-60 programme at a quarter rated washing capacity ($I_{W,1/4}$)	-	1.04
Washing efficiency index of the wash and dry cycle at rated capacity (J_W)	-	1.04
Washing efficiency index of the wash and dry cycle at a half rated capacity ($J_{W,1/2}$)	-	1.04
Rinsing effectiveness of the eco 40-60 programme at rated washing capacity (I_R)	g/kg	5.0
Rinsing effectiveness of the eco 40-60 programme at a half rated washing capacity ($I_{R,1/2}$)	g/kg	5.0
Rinsing effectiveness of the eco 40-60 programme at a quarter rated washing capacity ($I_{R,1/4}$)	g/kg	5.0
Rinsing effectiveness of the wash and dry cycle at rated washing capacity (J_R)	g/kg	5.0
Rinsing effectiveness of the wash and dry cycle at a half rated washing capacity ($J_{R,1/2}$)	g/kg	5.0
Programme duration of the eco 40-60 programme at rated washing capacity (t_w)	h:mm	3:48
Programme duration of the eco 40-60 programme at a half rated washing capacity ($t_{w,1/2}$)	h:mm	2:50
Programme duration of the eco 40-60 programme at a quarter rated washing capacity ($t_{w,1/4}$)	h:mm	2:40
Cycle duration of the wash and dry cycle at rated capacity (t_{WD})	h:mm	7:50
Cycle duration of the wash and dry cycle at a half rated capacity ($t_{WD,1/2}$)	h:mm	4:50
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at rated washing capacity (T)	°C	42
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at a half rated washing capacity ($T_{1/2}$)	°C	33
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at a quarter rated washing capacity ($T_{1/4}$)	°C	27
Temperature reached for minimum 5 min inside the load in the washing cycle during wash and dry cycle at rated capacity (T_{WD})	°C	34
Temperature reached for minimum 5 min inside the load in the washing cycle during wash and dry cycle at a half rated capacity (T)	°C	30
Spin speed in the spinning phase of the eco 40-60 programme at rated washing capacity (S)	rpm	1360
Spin speed in the spinning phase of the eco 40-60 programme at a half rated washing capacity ($S_{1/2}$)	rpm	1360
Spin speed in the spinning phase of the eco 40-60 programme at a quarter rated washing capacity ($S_{1/4}$)	rpm	1360
Remaining moisture content for the eco 40-60 programme at rated washing capacity (D_{full})	%	50.00
Remaining moisture content for the eco 40-60 programme at a half rated washing capacity ($D_{1/2}$)	%	51.00
Remaining moisture content for the eco 40-60 programme at a quarter rated washing capacity ($D_{1/4}$)	%	54.00
Weighted remaining moisture content after washing (D)	%	51.9
Final moisture content after drying	%	-
Airborne acoustical noise emissions during eco 40-60 programme (spinning phase)	dB(A) re 1 pW	72
Power consumption in 'off mode' (P_o)	W	0.50
Power consumption in 'standby mode' (P_{sm})	W	0.50
Does 'standby mode' include the display of information?	-	No
Power consumption in 'standby mode' (P_{sm}) in condition of networked standby (if applicable)	W	2.00
Power consumption in 'delay start' (P_{ds}) (if applicable)	W	4.00

The details and the results of calculations performed in accordance with Annex IV	UNIT	VALUE
1. CALCULATION OF THE ENERGY EFFICIENCY INDEX		
(i) The Energy Efficiency Index (EEI _W)	-	60
$EEI_W = (E_W / SCE_W) \times 100$		$= 0.571 / 0.951 \times 100$
(i) The Energy Efficiency Index (EEI _{WD})	-	78
$EEI_{WD} = (E_{WD} / SCE_{WD}) \times 100$		$= 3.584 / 4.594 \times 100$
(ii) The standard annual energy consumption (SCE _W)	g/kg	0.951
$SCE_W = -0,0025 \times c^2 + 0,0846 \times c + 0,3920$		$= -0.0025 \times 9^2 + 0.0846 \times 9 + 0.3920$
(ii) The standard annual energy consumption (SCE _{WD})	g/kg	4.594
$SCE_{WD} = -0,0502 \times d^2 + 1,1742 \times d - 0,644$		$= -0.0502 \times 6^2 + 1.1742 \times 6 - 0.644$
(iii) The weighted energy consumption (E _W)	kWh/cycle	0.571
$E_W = A \times E_{W,full} + B \times E_{W, \frac{1}{2}} + C \times E_{W, \frac{1}{4}}$		$= 0.34 \times 1.011 + 0.26 \times 0.5 + 0.4 \times 0.242$
(iii) The weighted energy consumption (E _{WD})	kWh/cycle	3.584
$E_{WD} = \frac{3 \times E_{WD,full} + 2 \times E_{WD, \frac{1}{2}}}{5}$		$= (3 \times 4.52 + 2 \times 2.18) / 5$
(iv) The weighted energy consumption per 100 cycles (E _W x 100)	kWh/cycle	58
$E_W \times 100$		$= 0.571 \times 100$
(iv) The weighted energy consumption per 100 cycles (E _{WD} x 100)	kWh/cycle	359
$E_{WD} \times 100$		$= 3.584 \times 100$
2. CALCULATION OF THE WEIGHTED ANNUAL WATER CONSUMPTION		
(i) The weighted water consumption (W _W)	L/cycle	50
$W_W = (A \times W_{W,full} + B \times W_{W,1/2} + C \times W_{W,1/4})$		$= 0.34 \times 63 + 0.26 \times 48 + 0.4 \times 39$
(i) The weighted water consumption (W _{WD})	L/cycle	90
$W_{WD} = \frac{3 \times E_{WD,full} + 2 \times E_{WD, \frac{1}{2}}}{5}$		$= (3 \times 110 + 2 \times 60) / 5$
3. CALCULATION OF THE WEIGHTED REMAINING MOISTURE CONTENT		
(i) The weighted remaining moisture content (D) of a household washing machine	%	51.9
$D = \left[A \times D_{full} + B \times D_{\frac{1}{2}} + C \times D_{\frac{1}{4}} \right]$		$= 0.34 \times 50 + 0.26 \times 51 + 0.4 \times 54$