

COMMISSION DELEGATED REGULATION (EU) No 2019/2014

supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household washing machines and household washer-dryers

COMMISSION REGULATION (EU) No 2019/2023

laying down ecodesign requirements for household washing machines and household washer-dryers pursuant to Directive 2009/125/EC

Report Reference No...... SHES200801720751

Tested by (name + signature) Hans Han / Project engineer

Approved by (name + signature): Dennis Jiu / Reviewer

Date of issue...... 2020-09-15

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Testing Laboratory SGS-CSTC Standards Technical Services Co., Ltd. Anhui Branch

Address.....: 1/F&2/F, West Building C12, Gongtou Liheng Industrial Square,

Fanhua Road, Economic & Technological Development Area,

Hefei, 230601 Anhui, China

Applicant's name...... HISENSE HOME APPLIANCES GROUP CO., LTD.

Guangdong, China

Manufacturer's name Same as applicant

Address Same as applicant

Test specification:

Standard (EU) No 2019/2014;

(EU) No 2019/2023

☑ prEN IEC 62512:2020 + FprAA:2020

Test procedure SGS-CSTC

Non-standard test method...... None

Test Report Form No.....: 2019/2014&2019/2023_A

Test Report Form(s) Originator: SGS-CSTC Master TRF...... 2020-04

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Page 2 of 33 Report No.: SHES200801720751

Test item description: Front Load Washing Machine with Dryer

(Washer Dryer)

Trade Mark Hisense

Factory...... Hisense (Shandong) Refrigerator Co., Ltd.

8 Haixin Road, Nancun, Pingdu, Qingdao City, Shandong, P.R.

China

WDMY1014EVJM, WDMY1014EVJM*

(* = A - Z)

Ratings...... 220 V - 240 V; 50 Hz; Class I; IPX4;

Washing: 1750 W; 10,0 kg,

Drying: 1350 W; 6,0 kg





Summary of testing:

Tests performed (name of test and test clause):

(EU) No 2019/2014

(EU) No 2019/2023

These tests were conducted by test lab that fulfils the requirements of standard ISO/IEC 17025.

Testing location:

1/F&2/F, West Building C12, Gongtou Liheng Industrial Square, Fanhua Road, Economic & Technological Development Area, Hefei, 230601 Anhui, China

Copy of marking plate and/or label:

Hisense Washer-drier WDQY1014EVJM

220-240V~ 50Hz

Washing Capacity:10kg (1750W)

Drying Capacity:6kg (1350W) IPX4



Made in P.R.C

Remark:

Marking plates for other models were identical with above one except for model name.



Page 4 of 33 Report No.: SHES200801720751

Test item particulars	:	: Front Load Washing Machine with Dryer						
Brand								
Model	:	WDQY1014EVJM, WDQY1014EVJM*, WDMY1014EVJM, WDMY1014EVJM* (* = A - Z)						
Country of manufacture	Country of manufacture:			China				
Machine type	:	☑ Drum type☑ Other than drum type						
Give details if other than drum type	:	N/A						
Axis	:	☐ Vertical ☐ Horizontal						
Loading	:							
Type of mounting	:	☐ Build-in ☐ Independent						
Heating element assembled	:	⊠ Yes □ No						
Water connection	☐ Hot ☐ Cold ☐ Hot & cold							
For Washer dryer	:							
Air vented	☐ Yes ☑ No							
Automatic (sensor-controlled)								
Timer controlled	:	☐ Yes ☐ No						
Condenser	:	☐ Yes ☑ No						
Cold water connections	:	⊠ Yes □ No						
Duct connected	:	☐ Yes ☑ No						
Multi-drum	:	☐ Yes ⊠ No						
Washing rated capacity (cotton):	kg	10,0						
Drying rated capacity (cotton):	kg	6,0						
Rated voltage:	V	220-240 V						
Rated frequency:	50 Hz							
Declared drum volume		_						
Measured drum volume	I	_						
Measured appliance dimension	cm	Wide	Depth	Height				
		60	58	85				

Page 5 of 33 Report No.: SHES200801720751

Possible test case verdicts:

- test case does not apply to the test object: N/A

- test object does meet the requirement P (Pass)

- test object does not meet the requirement...... F (Fail)

Testing

General remarks:

The test results presented in this report relate only to the object tested.

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"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

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General product information:

The appliance is for household and indoor use only.

The appliance is assembled with

Motor: XPMS6937A-a (Kingclean Electric Co., Ltd.)

Washing Heater: WACES5827 (Hangzhou Heatwell Electric Heating Technology Co., Ltd)

Drying heater: TCRGQ-02 (Anhui Ningguo Tiancheng Electric Co.,Ltd.)

All the models in this report are identical with each other except for control panel view.



Product information sheet

1. For washing machine

Parameter	Val	ue	Parameter	Valu	ıe		
Rated capacity (kg)	10	,0	Dimensions in cm	Height	85		
				Width	60		
				Depth	58		
EEI _W (a)	59	,7	Energy efficiency class (a)	[A/ B /C/D/E/F/G] (°)			
Washing efficiency index (a)	1,0)4	Rinsing effectiveness (g/kg) (a)	4,0)		
Energy consumption in kWh per cycle, based on the eco 40-60 pro-gramme. Actual energy consump-tion will depend on how the appli-ance is used.	0,590		0,590		Water consumption in litre per cycle, based on the eco 40-60 programme. Actual water con-sumption will depend on how the appliance is used and on the hardness of the water.	43	
Maximum temperature inside	Rated	39	Remaining moisture	Rated	49		
the treated textile (a) (°C)	capacity		content (a) (%)	capacity			
	Half	36		Half	51		
	Quarter	25		Quarter	51		
Spin speed (a) (rpm)	Rated capacity	1400	Spin-drying efficiency class (a)	[A/ B /C/D/E	E/F/G] (°)		
	Half	1400					
	Quarter	1400					
Programme duration (a) (h:min)	Rated capacity	3:59	Туре	[built-in/free-standing]			
	Half	3:00					
	Quarter	3:00					
Airborne acoustical noise emissions in the spinning phase (a) (dB(A) re 1 pW)	_	_	Airborne acoustical noise emis-sion class (a) (spinning phase)	[A/B/C/D] (°)			
Off-mode (W)	0,4	19	Standby mode (W)				
Delay start (W) (if applicable)	3,60		Networked standby (W) (if applicable	_			
Minimum duration of the guarantee offered by the supplier (b):			_				
This product has been designed to release silver ions during the washing cycle			[YES/NO]				
Additional information:			_				

⁽a) for the eco 40-60 programme.

2. For household Washer-dryer

Parameter	Va	lue	Parameter	Value		
Rated capacity (kg)	Rated capacity	6,0	Dimensions in cm	Height	85	
	(b)			Width	60	
	Rated	10,0				
	washing capacity (b)			Depth	58	
Energy Efficiency Index	EEI _W (a)	_	Energy efficiency class (a)	EEI _W (a)	[A/B/C/D/E /F/G] (^d)	
	EEI _{WD} (b)	81,8		EEI _{WD} (b)	[A/B/C/D/ E	

⁽b) changes to these items shall not be considered relevant for the purposes of paragraph 4 of Article 4 of Regulation (EU) 2017/1369.

^(°) if the product database automatically generates the definitive content of this cell the supplier shall not enter these data.



1	/E/C1 (d)
I _D (a)	/F/G] (^d)
	4,0
	0,62
	0,02
	90
Rated	_
[A/ B /C/	/D/E/F/G] (d)
5 ()	7.40
	7:40
capacity	
Llolf	F-20
Hall	5:30
ΓΛ/E	B/C/D] (d)
[// [()
e-standing]	
e-standing]	_
e-standing]	
	Rated capacity Half Quarter [A/ B /C/

- (a) for the eco 40-60 programme
- (b) for the wash and dry cycle
- (°) changes to these items shall not be considered relevant for the purposes of paragraph 4 of Article 4 of Regulation (EU) 2017/1369.
- (d) if the product database automatically generates the definitive content of this cell the supplier shall not enter these data.



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict **Program requirements** From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements: Р (1)household washing machines and household washer-dryers shall provide: a washing cycle called 'eco 40-60', which is able to Р (a) clean normally soiled cotton laundry declared to be wash-able at 40 °C or 60 °C, together in the same cycle; a washing cycle called '20 °C', which is able to clean P (b) lightly soiled cotton laundry, at a nominal temperature of 20 °C; Р these cycles shall be clearly identifiable on the programme selection, on the display and through the network connection, depending on the functionalities provided by the household washing machine or household washer-dryer; (2)Р for the requirements set out in points 3(1), 3(3), 4(1), 4(2), 4(5), 5 and 6(1), the 'eco 40-60' programme shall be used: (3)the eco 40-60 programme shall be named 'eco 40-Р 60' on the programme selection, on the display and through the network connection, depending on the functionalities provided by the household washing machine or the household washer-dryer; the name 'eco 40-60' shall be used exclusively for Р this programme. The formatting of 'eco 40-60' is not restricted in terms of font, font size, case sensitivity or colour. No other programme may have in its name the term 'eco'; the eco 40-60 programme shall be set as the default P programme for automatic programme selection or any function maintaining the selection of a programme, or, if there is no automatic programme selection, shall be available for direct selection without the need for any other selection such as a specific temperature or load; the indications 'normal', 'daily', 'regular' and P 'standard', and their translations in all EU official languages, shall not be used in programme names for household washing machines or household washer-dryers, either alone or in combination with other information. 2 WASH AND DRY CYCLE From 1 March 2021, household washer-dryers shall meet the following requirements:



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (1) Р household washer-dryers shall provide a complete cycle for cotton laundry, named 'wash and dry': which is continuous if the household washer-dryer provides a continuous cycle; where the washing cycle is an eco 40-60 programme as defined in point 1; and where the drying cycle achieves cupboard dry status; (2)the wash and dry cycle shall be clearly identifiable in P the user instructions referred to in point 9 of this Annex (3)if the household washer-dryer provides a continuous P cycle, the rated capacity of the wash and dry cycle shall be the rated capacity for this cycle; (4)if the household washer-dryer does not provide a N/A continuous cycle, the rated capacity of the wash and dry cycle shall be the lower value of the rated washing capacity of the eco 40-60 programme and the rated drying capacity of the drying cycle achieving cupboard dry status; (5)for the requirements set out in points 3(2), 3(4), 4(3), P 4(4), 4(6) and 6(2), the wash and dry cycle shall be used. 3 **ENERGY EFFICIENCY REQUIREMENTS** From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements: (1)the Energy Efficiency Index (EEI_W) for household Р washing machines and the washing cycle of household washer-dryers shall be lower than 105; (2)the Energy Efficiency Index (EEIwD) for the wash and P dry cycle of household washer-dryers shall be lower than 105. From 1 March 2024, household washing machines with a rated capacity higher than 3 kg and household washer-dryer with a rated washing capacity higher than 3 kg shall meet the following requirements: (3)the EEIw for household washing machines and the P washing cycle of household washer-dryers shall be lower than 91. (4)the EEIwD for the wash and dry cycle of household Р washer-dryers shall be lower than 88. The EEIW and EEIWD shall be calculated in Р accordance with Annex III. **FUNCTIONAL REQUIREMENTS** From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements:



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (1) Р for household washing machines with a rated capacity higher than 3 kg and for the washing cycle of household washer-dryers with a rated capacity higher than 3 kg, the Washing Efficiency Index (Iw) of the eco 40-60 pro-gramme shall be greater than 1,03 for each of the following loading sizes: rated washing capacity, half of the rated washing capacity and a quarter of the rated washing capacity; (2)N/A for household washing machines with a rated capacity lower than or equal to 3 kg and for the washing cycle of household washer-dryers with a rated capacity lower than or equal to 3 kg, the Washing Efficiency Index (Iw) of the eco 40-60 programme shall be greater than 1,00 at rated washing capacity; Р for household washer-dryers with a rated capacity (3)higher than 3 kg, the Washing Efficiency Index (Jw) of the wash and dry cycle shall be greater than 1,03 at rated capacity and at half of the rated capacity; (4)for household washer-dryers with a rated capacity N/A lower than or equal to 3 kg, the Washing Efficiency Index (Jw) of the wash and dry cycle shall be greater than 1,00 at rated capacity; (5)for household washing machines with a rated capacity higher than 3 kg and for the washing cycle of household washer-dryers with a rated capacity higher than 3 kg, the Rinsing Effectiveness (IR) of the eco 40-60 programme shall be smaller than or equal to 5,0 g/kg for each of the following loading sizes: rated washing capacity, half of the rated washing capacity and a quarter of the rated washing capacity Р (6)for household washer-dryers with a rated capacity higher than 3 kg, the Rinsing Effectiveness (JR) of the wash and dry cycle shall be smaller than or equal to 5,0 g/kg at rated capacity and at half of the rated capacity. The lw, Jw, IR and JR shall be calculated in Р accordance with Annex III. **REQUIREMENTS ON DURATION** From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements: Р the duration of the eco 40-60 programme (tW), expressed in hours and minutes and rounded to the nearest minute, shall be lower than or equal to the time limit tcap, which depends on the rated capacity as follows: (1)for the rated washing capacity, the time limit is given Р by the following equation: $tcap(in min) = 137 + c \times 10,2,$ with a maximum of 240 minutes;



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (2)Р for half of the rated washing capacity and a quarter of the rated washing capacity, the time limit is given by the following equation: $tcap(in min) = 120 + c \times 6$ with a maximum of 180 minutes; where c is the rated capacity of the household P washing machine or the rated washing capacity of the household washer-dryer for the eco 40-60 programme. 6 WEIGHTED WATER CONSUMPTION REQUIREMENT From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements: Р (1)for household washing machines and the washing cycle of household washer-dryers, the weighted water consumption (Ww, in litres/cycle) for the eco 40-60 programme shall be: $W_W \leq 2,25 \times c + 30$ where c is the rated capacity of the household washing machine or the rated washing capacity of the household washer-dryer for the eco 40-60 programme; (2)for household washer-dryers, the weighted water Р consumption (WwD, in litres/cycle) for the wash and dry cycle shall be: $W_{WD} \leq 10 \times d + 30$ where d is the rated capacity of the household washer-dryer for the wash and dry cycle. The WW and WWD shall be calculated in P accordance with Annex III. 7 **LOW POWER MODES** From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements: (1)household washing machines and household Р washer-dryers shall have an off-mode or a stand-by mode or both. The power consumption of these modes shall not exceed 0,50 W; (2)if the stand-by mode includes the display of N/A information or status, the power consumption of this mode shall not exceed 1,00 W; (3)N/A if the stand-by mode provides for a connection to a network and provides networked standby as defined in Commission Regulation (EU) No 801/2013 (1), the power consumption of this mode shall not exceed 2,00 W;



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (4)Р at the latest 15 minutes after the household washing machine and household washer-dryer have been switched on or after the end of any programme and associated activities or after interruption of the wrinkle guard function or after any other interaction with the household washing machine and household washer-dryer, if no other mode, including emergency measures, is triggered, the household washing machine and household washer-dryer shall switch automatically to off-mode or standby mode; Р (5)if the household washing machine and household washer-dryer provide for a delay start, the power consumption of this condition, including any standby mode, shall not exceed 4,00 W. The delay start shall not be programmable by the user for more than 24 h; any household washing machine and any household N/A (6)washer-dryer that can be connected to a network shall provide the possibility to activate and deactivate the network connection(s). The network connection(s) shall be deactivated by default. 8 RESOURCE EFFICIENCY REQUIREMENTS From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements: (1)availability of spare parts: Р (a) P manufacturers, importers or authorised representatives of household washing machines and household washer-dryers shall make available to professional repairers at least the following spare parts, for a minimum period of 10 years after placing the last unit of the model on the market: motor and motor brushes; transmission between motor and drum; pumps; shock absorbers and springs; washing drum, drum spider and related ball bearings (separately or bundled); heaters and heating elements, including heat pumps (separately or bundled); piping and related equipment including all hoses, valves, filters and aquastops (separately or bundled); printed circuit boards; electronic displays; pressure switches; thermostats and sensors: software and firmware including reset software;



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (b) Р manufacturers, importers or authorised representatives of household washing machines and household washer-dryers shall make available to professional repairers and end-users at least the following spare parts: door, door hinge and seals, other seals, door locking assembly and plastic peripherals such as detergent dispensers, for a minimum period of 10 years after placing the last unit of the model on the market; Р (c) manufacturers, importers or authorised representatives of household washing machines and household washer-dryers shall ensure that the spare parts mentioned in points (a) and (b) can be replaced with the use of commonly available tools and without permanent damage to the household washing machine or household washer-dryer; Р the list of spare parts concerned by point (a) and the (d) procedure for ordering them shall be publicly available on the free access website of the manufacturer, importer or authorised representative, at the latest two years after the placing on the market of the first unit of a model and until the end of the period of availability of these spare parts; (e) the list of spare parts concerned by point (b) and the procedure for ordering them and the repair instructions shall be publicly available on the free access website of the manufacturer, importer or authorised representative, when placing the first unit of a model on the market and until the end of the period of availability of these spare parts; (2)maximum delivery time of spare parts P during the period mentioned under (1), the manufacturer, importer or authorised representative shall ensure the delivery of the spare parts within 15 working days after having received the order; in the case of spare parts concerned by point (1)(a), the availability of spare parts may be limited to professional repairers registered in accordance with point (3)(a) and (b); (3)access to Repair and Maintenance Information: P Р after a period of two years after the placing on the market of the first unit of a model and until the end of the period mentioned under (1), the manufacturer, importer or authorised representative shall provide access to the household washing machine or household washer-dryer repair and maintenance information to professional repairers in the following conditions:



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (a) Р the manufacturer's, importer's or authorised representative's website shall indicate the process for professional repairers to register for access to information; to accept such a request, the manufacturers, importers or authorised representatives may require the professional repairer to demonstrate that: (i) the professional repairer has the technical Р competence to repair household washing machines and household washer-dryers and complies with the applicable regulations for repairers of electrical equipment in the Member States where it operates. Reference to an official registration system as professional repairer, where such system exists in the Member States concerned, shall be accepted as proof of compliance with this point; the professional repairer is covered by insurance Р (ii) covering liabilities resulting from its activity regardless of whether this is required by the Member State: Р (b) manufacturers, importers or authorised representatives shall accept or refuse the registration within 5 working days from the date of request Р (c) manufacturers, importers or authorised representatives may charge reasonable and proportionate fees for access to the repair and maintenance information or for receiving regular updates. A fee is reasonable if it does not discourage access by failing to take into account the extent to which the professional repairer uses the information: Р (d) once registered, a professional repairer shall have access, within one working day after requesting it, to the requested repair and maintenance information. The information may be provided for an equivalent model or model of the same family, if relevant;



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict Р (e) the household washing machine or household washer-dryer repair and maintenance information referred to in (a) shall include: the unequivocal household washing machine or household washer-dryer identification; a disassembly map or exploded view; technical manual of instructions for repair; list of necessary repair and test equipment; component and diagnosis information (such as minimum and maximum theoretical values for measurements); wiring and connection diagrams; diagnostic fault and error codes (including manufacturer-specific codes, where applicable); instructions for installation of relevant software and firmware including reset software; and information on how to access data records of reported failure incidents stored on the household washing machine or washer-dryer (where applicable); (4)information requirements for refrigerant gases: N/A without prejudice to Regulation (EU) No 517/2014 of N/A the European Parliament and of the Council (2), for household washing machines and household washer-dryers equipped with a heat pump, the chemical name of the refrigerant gas used, or equivalent reference such as a commonly used and understood symbol, label or logo, shall be displayed permanently and in a visible and readable way on the exterior of the household washing machines or household washer-dryers, for example on the back panel. More than one reference can be used for the same chemical name; requirements for dismantling for material recovery (5)and recycling while avoiding pollution: manufacturers, importers or authorised Р representatives shall ensure that household washing machines and household washer-dryers are designed in such a way that the materials and components referred to in Annex VII to Directive 2012/19/EU can be removed with the use of commonly available tools P manufacturers, importers or authorised representatives shall fulfil the obligations laid down in point 1 of Article 15 of Directive 2012/19/EU 9 INFORMATION REQUIREMENTS From 1 March 2021, household washing machines and household washer-dryers shall meet the following requirements:



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict Р user and installer instructions shall be provided in the form of a user manual on a free access website of the manufacturer, importer or authorised representative, and shall include: (1) the following general information: (a) information that the eco 40-60 programme is able to P clean normally soiled cotton laundry declared to be washable at 40 °C or 60 °C, together in the same cycle, and that this programme is used to assess the compliance with the EU eco-design legislation; Р (b) information that the most efficient programmes in terms of energy consumption are generally those that perform at lower temperatures and longer duration; (c) for household washer-dryers: information that the Р wash and dry cycle is able to clean normally soiled cotton laundry declared to be washable at 40 °C or 60 °C, together in the same cycle, and to dry it in such a way that it can be immediately stored in a cupboard, and that this programme is used to assess the compliance with the EU eco-design legislation; information that loading the household washing Р (d) machine or the household washer-dryer up to the capacity indicated by the manufacturer for the respective programmes will contribute to energy and water savings; Р (e) recommendations on the type of detergents suitable for the various washing temperatures and washing programmes; information that noise and remaining moisture Р (f) content are influenced by the spinning speed: the higher the spinning speed in the spinning phase, the higher the noise and the lower the remaining moisture content; information on how to activate and deactivate the N/A (g) network connection (if applicable) and impact on energy consumption; (h) instruction on how to find the model information Р stored in the product database, as defined in Regulation (EU) 2019/2014 by means of a weblink that links to the model information as stored in the product database or a link to the product database and information on how to find the model identifier on the product;



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict (2)Р values for the following parameters: (a) rated capacity in kg; (b) programme duration, expressed in hours and minutes: (c) energy consumption, expressed in kWh/cycle; (d) water consumption, expressed in litres/cycle; (e) maximum temperature reached for minimum 5 minutes inside the laundry being treated in the washing cycle, expressed in degrees centigrade; (f) remaining moisture content after the washing cycle, expressed in percentage of water content, and spinning speed at which this was achieved; for each of the following programmes (at least): (i) the eco 40-60 programme at the rated capacity, half of the rated capacity and a quarter of the rated capacity; (ii) the 20 °C programme at the rated capacity for this programme; (iii) one cotton programme at nominal temperature higher than or equal to 60 °C (if present) at the rated capacity for this programme; (iv) one programme for other textiles than cotton or a mix of textiles (if present) at the rated capacity for this programme; (v) one programme for the quick washing of lightly soiled laundry (if present) at the rated capacity for this programme; (vi) one programme for heavily soiled textiles (if present) at the rated capacity for this programme; (vii) for household washer-dryers: the wash and dry cycle at the rated capacity and at half of the rated capacity; and the information that the values given for programmes Р other than the eco 40-60 programme and the wash and dry cycle are indicative only;



COMMISSION DELEGATED REGULATION (EU) No 2019/2023 CI. Requirement-Test Result-Remark Verdict Р (3)the user instructions shall also include instructions for the user to perform maintenance operations. Such instructions shall as a minimum include instructions for: (a) correct installation (including level positioning, connection to mains, connection to water inlets, cold and/or hot if appropriate); (b) correct use of detergent, softeners and other additives, and main consequences of incorrect dosage; (c) foreign object removal from the household washing machine or household washer-dryer; (d) periodic cleaning, including optimal frequency, and limescale prevention and procedure; (e) door opening between cycles, if appropriate; (f) periodic checks of filters, including optimal frequency, and procedure; (g) identification of errors, the meaning of the errors, and the action required, including identification of errors requiring professional assistance; (h) how to access professional repair (internet webpages, addresses, contact details);such instructions shall also include information on: (i) any implications of self-repair or non-professional repair for the safety of the end-user and for the guarantee; (j) the minimum period during which the spare parts for the household washing machine or the household washer-dryer are available.





Р Table 1-1: Test condition 'Eco 40-60' Unit Requirement Measured **Items** 230 VAC±1% Test voltage 230±1% Hz Test frequency 50±1% 50±1% mmol/l $2,5\pm0,2$ Water hardness 2,49-2,52 ٥С] 60±2 Hot water temperature other: ٥С Cold water temperature 14,9-15,2 20±2 kPa 240±50 Water pressure 239-241 οС Ambient temperature 23.0±2 22,9-23,1 οС Ambient temperature for conditioning of base 20.0±2 20,5-20,7 load items Ambient humidity for conditioning of base load % 65,0±5 62-64 items Full (g) 160,0 Half (g) Detergent 100,0 Quarter (g) 70,0 9782 Full (g) 4 sheets. 16 pillowcases, 28 towels Half A (g) 4892 2 sheets, 8 pillowcases, 14 towels **Textiles** Half B (g) 4890 2 sheets, 8 pillowcases, 14 towels Quarter (g) 2408 -- sheets, 5 pillowcases, 11 towels WFK Supplier 108-215 Batch number supplier **Swissatest** Number of strips full load 10 Test srtips Number of strips 1/2 load 5 Number of strips 1/4 load 3 Deadline of use 2021-07-31 ⊠ Eco 40-60 Test programme An ambient controlled room/chamber

Bone dry method

Method of condition of base load item:



4 pillowcases, 11 towels

108-215

6

3

Swissatest

2021-07-31



Table 1-2: Test condition 'WASH AND DRY' Unit Requirement Measured Items Test voltage 230±1% 230 VAC±1% Hz Test frequency 50±1% 50±1% mmol/l Water hardness $2,5\pm0,2$ 2,46-2,52 ٥С 60±2 Hot water temperature other: οС 15,0-15,0 Cold water temperature 20±2 kPa Water pressure 240±50 240-241 ٥С Ambient temperature 23.0±2 23,0-23,1 ٥С Ambient temperature for conditioning of base 20.0±2 20,4-20,7 load items Ambient humidity for conditioning of base load % 65.0±5 63,0-64,0 items Full (g) 112,00 Detergent Half (g) 76,00 5891 Full (g) 2 sheets, 8 pillowcases, 23 towels Half A (g) 2959 1 sheet, **Textiles** 4 pillowcases, 12 towels Half B (g) 2932 1 sheet,

WFK

Batch number supplier

Deadline of use

☐ Bone dry method

Number of strips full load

Number of strips 1/2 load

Eco 40-60 + Dry level (press 9 times)

An ambient controlled room/chamber

TRF No. 20	19/2014&2019/2023_ <i>F</i>	4
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Method of condition of base load item:

Supplier

Test srtips

Test programme



Table 2-1: Test data for reference machine 'Eco 40-60' Р 2 3 5 Test run 4 Average Unit Items **Symbol** Accuracy Date of test run 2020 2020 2020 2020 2020 yr.m.d /08/30 /08/31 /09/01 /09/02 /09/03 Mass of conditioned base load (without test strips) M 4900 4900 4900 4900 4900 4900 g Mass of base load before each test run (without test strips) 4900 4892 4890 Mdry 4888 4891 4892 Mass of detergent Mdet 0,01 110,00 110,00 110,00 110,00 110,00 g Cold water consumption during main wash V_{cm} 0.1 25.5 25,3 25,8 25.5 25.7 Hot water consumption during main wash V_{hm} 0.1 Water consumption during main wash V_{m} 0.1 25,5 25,3 25.5 25,8 25.7 Total cold water consumption V_{ct} 0,1 98,2 97,4 97,1 97,9 98,1 Total hot water consumption Vht 0.1 Total water consumption Vt 0.1 97.4 97.1 97.9 98.1 98.2 Electrical energy metered during the test Wet kWh 0.01 1,73 1.73 1.74 1.75 1,76 Cold water energy correction determined during the test W_{ct} kWh 0.01 0.00 0.00 0.00 0,00 0.00 Hot water energy correction determined during the test W_{ht} kWh 0,01 __ _ Total energy Wet kWh 0,01 1,73 1.73 1.74 1,75 1,76 Program time t_{t} 75 75 75 75 75 min Spin speed S 505 505 506 506 506 rpm Mass of base load after spin extraction Mr 1 8828 8833 8835 8836 8832 g % D 0,1 80,2 80,3 80,2 Remain moisture content 80,3 80,3 Rinsing Effectiveness 0,01 3,55 I_R k/kg 3,50 3,46 3,51 3,52 Reflectance after wash: Sebum χi 0,01 70.22 69.52 69.52 70.42 68.82 Reflectance after wash: Carbon black/Oil χi 0.01 47,10 45.39 45,94 45.62 44,53 Reflectance after wash: Blood χi 0.01 84,02 83,02 83,09 84,04 82,87 0,01 Reflectance after wash: Cocoa χi 64,01 65,16 65,14 64,41 66,60 Reflectance after wash: Red Wine χi 0,01 74,28 74,88 74,20 73,56 74,50 Ck Reflectance after wash: Sum 0,01 339,68 337,89 338.17 337.92 338,05 337,32



Table 2-2: Test data for reference machine 'WASH AND I				1	2	3	4	5	Averege
	0	11.26				3	4	5	Average
Items	Symbol	Unit	Accuracy	2222	2000	2000	2222	0000	
Date of test run		yr.m.d		2020 /09/04	2020 /09/06	2020 /09/08	2020 /09/10	2020 /09/11	
Mass of conditioned base load (without test strips)	М	g	1	4900	4900	4900	4900	4900	4900
Mass of base load before each test run (without test strips)	Mdry	g	1	4900	4892	4894	4891	4892	4894
Mass of detergent	Mdet	g	0,01	110,00	110,00	110,00	110,00	110,00	
Cold water consumption during main wash	V_{cm}		0,1	25,5	25,7	25,3	25,4	25,8	
Hot water consumption during main wash	V_{hm}		0,1			_		_	
Water consumption during main wash	V _m		0,1	25,5	25,7	25,3	25,4	25,8	
Total cold water consumption	V _{ct}		0,1	97,6	97,8	97,3	97,9	97,2	
Total hot water consumption	V _{ht}		0,1	_		_	_	_	
Total water consumption	Vt		0,1	97,6	97,8	97,3	97,9	97,2	
Electrical energy metered during the test	Wet	kWh	0,01	1,72	1,74	1,73	1,72	1,73	
Cold water energy correction determined during the test	W_{ct}	kWh	0,01	0,00	0,00	0,00	0,00	0,00	
Hot water energy correction determined during the test	W _{ht}	kWh	0,01	_	_	_	_	_	
Total energy	Wet	kWh	0,01	1,72	1,74	1,73	1,72	1,73	
Program time	t _t	min	1	75	75	75	75	75	
Spin speed	S	rpm	1	506	505	505	505	505	
Mass of base load after spin extraction	M_r	g	1	8833	8829	8835	8831	8837	
Remain moisture content	D	%	0,1	80,3	80,2	80,3	80,2	80,3	
Rinsing Effectiveness	I _R	k/kg	0,01	3,52	3,53	3,51	3,50	3,54	
Reflectance after wash: Sebum	xi		0,01	69,78	69,59	70,72	71,70	70,65	
Reflectance after wash: Carbon black/Oil	xi		0,01	41,46	41,49	42,40	43,83	42,10	
Reflectance after wash: Blood	xi		0,01	85,40	85,28	84,41	84,83	85,82	
Reflectance after wash: Cocoa	xi		0,01	66,31	66,51	66,26	65,75	66,51	
Reflectance after wash: Red Wine	xi		0,01	76,53	76,71	76,10	75,54	76,32	
Reflectance after wash: Sum	Ck		0,01	339,48	339,58	339,89	341,65	341,40	340,40



Table 3: Test data for test washing machine 'Eco 40-60' Р Symbol Unit Eco 40-60 Treatment Accuracy Test runs 5 10 Load type Half A Half B Half A Half B Full Full Full Quarter Quarter Quarter 2020 2020 Date of test run 2020 2020 2020 2020 2020 2020 2020 2020 yr.m.d /09/02 /09/03 /08/30 /08/30 /08/31 /08/31 /09/01 /09/02 /09/03 /09/01 Mass of conditioned M 1 g base load (without test 4892 4890 4892 4890 9782 9782 9782 2416 2416 2416 strips) Mass of base load before M_{drv} 1 g each test run (without 4892 4890 4882 4880 9775 9776 9775 2416 2411 2410 test strips) Mass of detergent 100,00 100,00 100,00 160,00 160,00 160,00 70,00 70,00 70,00 M_{det} 0.01 100.00 g Ambient temperature 23,1 23,0 $^{\circ}C$ 0.1 23,0 23,1 23,0 22.9 23.0 22,8 23,0 23,0 ta Laboratory supply cold OC: 0.1 tc water inlet temperature 15,2 14,9 15,0 14,9 15,0 15,1 15,0 15,0 15,0 15,1 Laboratory supply hot °C 0,1 th water inlet temperature Laboratory supply cold kPa 10 p_c 239 239 240 240 240 240 241 240 240 241 pressure water Laboratory supply hot kPa 10 рh pressure water Laboratory supply cold 0.01 2.50 2.52 2.50 2.50 2.51 2.50 2.50 2.50 2,50 2,49 mmol/l hardness water Laboratory supply hot mmol/l 0,01 ___ _ _ __ ___ ___ hardness water Date of water preparation 2020 2020 2020 2020 2020 2020 2020 2020 2020 2020 yr.m.d /08/30 /08/30 /08/31 /09/02 /09/03 /09/01 /09/02 /09/03 cold /08/31 /09/01 Date of water preparation vr.m.d hot Cold water consumption V_{cm} 0.1 21,5 22,2 15,2 15,8 14,4 15.3 21.6 11,3 10,2 10.6 during main wash Hot water consumption V_{hm} 0.1 during main wash Water consumption Vm 0.1 15.2 15.8 14.4 15.3 21.6 22.2 21.5 11.3 10.2 10.6 during main wash



Table 3: Test data for test washing machine 'Eco 40-60' Ρ Unit Eco 40-60 Treatment Symbol Accuracy Test runs 3 4 5 6 8 10 Half B Half B Full Full Quarter Quarter Load type Half A Half A Full Quarter Total cold water V_{ct} 0.1 46.3 45.8 46,2 46.0 61.5 63.0 62.5 19.9 21.0 20,6 consumption Vht Total hot water 0.1 consumption Vt Total water consumption 0.1 46.3 45.8 46.2 46.0 61.5 63.0 62.5 19.9 21,0 20.6 Wet Total electrical energy kWh 0.01 0.64 0.63 0,62 0.63 0.96 0.94 0,97 0,25 0,26 0,25 metered during the test Wct 0,01 Total cold water energy kWh correction determined 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 during the test Total hot water energy W_{ht} kWh 0.01 correction determined during the test Total energy W_{total} kWh 0.01 0.64 0.63 0.62 0.63 0.96 0.94 0.97 0,25 0,26 0,25 Temperature reached for Twash °C. 0.1 minimum 5 min inside 36.5 37,2 36,8 35.4 40.2 39.8 40.3 26,5 26,4 27,0 the load Main wash duration 136 137 136 136 188 190 188 152 148 150 min 1 tm 172 170 225 229 170 175 Programme time 1 174 175 226 177 tt min Spin speed S 1 1410 1412 1410 1410 1409 1410 1410 1411 1410 1410 rpm Mass of base load after Mr 1 g 7392 7402 7368 7367 14497 14528 14592 3651 3672 3642 spin extraction D Remain moisture content % 0.1 51.3 51.2 50.6 50.7 48.2 48.5 49.2 51.1 52.0 50.7 Rinsing Effectiveness k/kg I_R 0.01 3.56 3.62 3,57 3.46 3.87 3.65 3.72 3.36 3.41 3,53 Reflectance after wash: Xi 0.01 Sebum 71,93 69,33 71,17 69,79 68,54 68,07 68,21 69,15 71,39 72,07 Reflectance after wash: 0,01 Xi 45.62 Carbon black/Oil 45.06 46.13 45.93 45.26 45.72 44.72 47,13 46,11 46,07 0,01 Reflectance after wash: Xi 86,00 Blood 87.59 87.83 88.27 87.81 87.46 88.24 88.18 86,00 86.27 Reflectance after wash: 0.01 Xi 72,36 71,79 71,85 72,46 66,87 70,30 69,22 74,45 76,34 Cocoa 72,49 Reflectance after wash: 0.01 Xi 84,62 **Red Wine** 81,07 80,91 80,12 80,99 82,78 82,49 74,58 75,19 75,27



Page 25 of 33 Report No.: SHES200801720751

Table 3: Test data for test	t washing n	nachine '	Eco 40-60'										Р
Treatment	Symbol	Unit	Accuracy	ccuracy Eco 40-60									
Test runs				1	2	3	4	5	6	7	8	9	10
Load type				Half A	Half B	Half A	Half B	Full	Full	Full	Quarter	Quarter	Quarter
Reflectance after wash:	Ck		0,01										
Sum				358,57	354,92	357,54	356,98	350,91	356,95	352,82	351,31	351,18	356,02
Washing Efficiency Index	lw		0,001	1,060	1,050	1,057	1,056	1,038	1,056	1,043	1,039	1,038	1,053
Measured time for post	t _{mLU}	min	1										
programme phase LU					30 30				30				
Energy consumption (left	WLU	Wh	0,01		0,24				0,24			0,24	
on mode unstable)													
Energy consumption (left	W_LO	Wh	0,01		-	_		_					
on mode stable)													
Energy consumption (off	Wo	Wh	0,01		0	,08			0,08			0,08	
mode)													
Power (left-on mode	PLU	W	0,01	0,48					0,48				
unstable)		10/	0.04										
Power (left-on stable)	PLO	W	0,01										
Power (off mode)	Po	W	0,01		0,48 0,48				0,48				
Left on mode duration	t∟	min	1		•	2	•		2			2	



Table 4: Test data for test washing machine	WASH AN	D DRY'								Р
Treatment	Symbol	Unit	Accuracy	Half	load	Half	load		Full load	
Test runs				1	3	4	2	5	6	7
Load type				Partial A	Partial B	Partial B	Partial A	Full load	Full load	Full load
Date of test run		yr.m.d		2020	2020	2020	2020	2020	2020	2020
				/09/04	/09/06	/09/07	/09/05	/09/08	/09/10	/09/11
Mass of conditioned base load (without test strips)	M	g	1	2959	2932	2959	2932	5891	5891	5891
Mass of base load before each test run (without test strips)	M _{dry}	g	1	2959	2928	2951	2924	5882	5884	5880
Mass of detergent	M _{det}	g	0,01	76,00	76,00	76,00	76,00	112,00	112,00	112,00
Mass of test load after drying (without strips)	M_{dry}	g	1	2962	2918	2946	2902	5947	5927	5936
Final moisture content	uf	0,1	1	0,1	-0,5	-0,4	-1,0	1,0	0,6	0,8
Ambient temperature	ta	°C	0,1	23,1	23,0	23,0	23,0	23,0	23,0	23,0
Laboratory supply cold water inlet temperature	t c	°C	0,1	15,0	15,0	15,0	15,0	15,0	15,0	15,0
Laboratory supply hot water inlet temperature	th	°C	0,1	_			_	_	_	
Laboratory supply cold pressure water	pc	kPa	10	240	241	240	240	240	240	240
Laboratory supply hot pressure water	Ph	kPa	10		_	_	_	_	_	_
Laboratory supply cold hardness water		mmol/l	0,01	2,50	2,50	2,52	2,50	2,50	2,46	2,50
Laboratory supply hot hardness water		mmol/l	0,01		_	_	_	_	_	_
Date of water preparation cold		yr.m.d		2020 /09/04	2020 /09/06	2020 /09/07	2020 /09/05	2020 /09/08	2020 /09/10	2020 /09/11
Date of water preparation hot		yr.m.d		_	_		_	_		
Cold water consumption during main wash	$V_{\sf cm}$	I	0,1	11,9	12,2	11,5	12,0	17,8	18,1	17,6
Hot water consumption during main wash	V_{hm}	I	0,1		_	_		_	_	_
Water consumption during main wash	V_{m}	1	0,1	11,9	12,2	11,5	12,0	17,8	18,1	17,6
Total cold water consumption	V_{ct}		0,1	58,1	57,8	57,3	58,0	108,5	107,8	108,2
Total hot water consumption	V_{ht}		0,1		_	_				
Total water consumption	V _t		0,1	58,1	57,8	57,3	58,0	108,5	107,8	108,2
Total electrical energy metered during the test	W _{et}	kWh	0,01	2,56	2,63	2,58	2,61	4,35	4,41	4,29
Total cold water energy correction determined during the test	Wct	kWh	0,01	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total hot water energy correction determined during the test	W _{ht}	kWh	0,01	_	_	_	_	_	_	_





Table 4: Test data for test washing machine	WASH AN	D DRY'								Р
Treatment	Symbol	Unit	Accuracy	Half	load	Half	load		Full load	
Test runs				1	3	4	2	5	6	7
Load type				Partial A	Partial B	Partial B	Partial A	Full load	Full load	Full load
Corrected energy consumption of the drying cycle	W _D	kWh	0,01	0,00	-0,01	-0,01	-0,02	0,04	0,02	0,03
Total energy	W _{total}	kWh	0,01	2,56	2,62	2,57	2,59	4,39	4,43	4,32
Temperature reached for minimum 5 min	Tmax	°C	0,1							
inside the load				34,8	35,1	34,6	35,2	41,2	39,8	42,0
Main wash duration	t _m	min	1	145	146	144	146	152	150	151
Programme time (without cool-down)	t _t	min	1	329	328	331	330	461	462	458
Spin speed	S	rpm	1	1410	1411	1410	1410	1410	1409	1410
Rinsing Effectiveness	J_{R}	k/kg	0,01	3,58	3,62	3,35	3,28	3,92	3,87	3,76
Reflectance after wash: Sebum	Xi		0,01	71,70	70,28	71,50	72,33	70,94	70,90	70,04
Reflectance after wash: Carbon black/Oil	Xi		0,01	44,90	43,54	44,03	44,02	42,50	41,56	41,64
Reflectance after wash: Blood	Xi		0,01	87,62	87,50	87,18	88,57	88,87	87,48	88,70
Reflectance after wash: Cocoa	Xi		0,01	72,21	72,69	72,63	72,00	72,45	72,07	72,08
Reflectance after wash: Red Wine	Xi		0,01	80,36	79,85	81,21	80,44	80,43	80,52	81,73
Reflectance after wash: Sum	Ck		0,01	356,79	353,86	356,55	357,36	355,19	352,53	354,19
Washing Efficiency Index	lw		0,001	1,048	1,040	1,047	1,050	1,043	1,036	1,041



Table 5: Summary of test result 'Eco 40-60'				Р
Items	Symbol	Unit	Accuracy	Result
Rated capacity	С	kg	0,5	10,0
Weighting Factor	Α		0,001	0,301
Weighting Factor	В		0,001	0,249
Weighting Factor	С		0,001	0,450
Energy consumption of the eco 40-60	E _W , full	kWh	0,001	0,957
programme at rated capacity Energy consumption of the eco 40-60	Ew, half	kWh	0,001	0,630
programme at half of rated capacity	11,		3,33	.,
Energy consumption of the eco 40-60 programme at quarter of rated capacity	Ew, quarter	kWh	0,001	0,253
Weighted energy consumption	Ew	kWh	0,001	0,559
Weighted energy consumption per 100 cycles	E ₁₀₀	kWh	1	56
Standard energy consumption	SCEw	kWh	0,001	0,988
Energy Efficiency Index	EEI		0,1	56,6
Energy Efficiency Class				В
Water consumption of the eco 40-60 programme at rated capacity	Ww, full	liter	0,1	62,3
Water consumption of the eco 40-60 programme at half of rated capacity	Ww, half	liter	0,1	46,1
Water consumption of the eco 40-60	Ww, quarter	liter	0,1	20,5
programme at quarter of rated capacity Weighted water consumption per cycle	Ww	liter	1	39
Washing efficiency index of the eco 40-60	lw, full		0,01	1,06
programme at rated capacity Washing efficiency index of the eco 40-60	I _W , half		0,01	1,05
programme at half of rated capacity Washing efficiency index of the eco 40-60	Iw, quarter		0,01	1,04
Programme at quarter of rated capacity Rinsing effectiveness of the eco 40-60	I _R , full	g/kg	0,1	3,7
programme at rated capacity Rinsing effectiveness of the eco 40-60	I _R , half	g/kg	0,1	3,6
programme at half of rated capacity				
Rinsing effectiveness of the eco 40-60 programme at quarter of rated capacity	I _R , quarter	g/kg	0,1	3,4
Programme duration of the eco 40-60 programme at rated capacity	t _{cap} , full	min	1	227
Programme duration of the eco 40-60	t _{cap} , half	min	1	173
programme at half of rated capacity Programme duration of the eco 40-60	t _{cap} , quarter	min	1	174
programme at quarter of rated capacity Temperature reached for minimum 5 min inside the load during eco 40-60 programme	T _{MAX} , full	°C	1	40
at rated capacity	T _{MAX} , half	°C	1	36
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at half of rated capacity	T _{MAX} , half	°C	1	36





Temperature reached for minimum 5 min ٥С 27 T_{MAX}, quarter inside the load during eco 40-60 programme at quarter of rated capacity Spin speed in the spinning phase of the eco S. full 1410 rpm 40-60 programme at rated capacity Spin speed in the spinning phase of the eco S, half 1 1411 rpm 40-60 programme at half of rated capacity Spin speed in the spinning phase of the eco S, quarter 1410 rpm 40-60 programme at quarter of rated capacity Remaining moisture content of the eco 40-60 D, full % 0,1 48,6 programme at rated capacity % Remaining moisture content of the eco 40-60 D, half 0,1 51,0 programme at half of rated capacity Remaining moisture content of the eco 40-60 D, quarter % 0.1 51.3 programme at quarter of rated capacity Weighted remaining moisture content D % 50 1 В Spin-drying efficiency class Power consumption in 'off mode' Po W 0,01 0,48 W 0,01 Power consumption in 'standby mode' P_{sm} Does 'standby mode' include the display of information? Time on switching automatically to off-mode 2 Ts min 1 or standby mode Time on delay start mode Tds h 1 24 W Power consumption on delay start mode Pds 0,01 3,60 Power consumption in 'standby mode' in P_{sm} W 0,1 condition of networked standby Airborne acoustical noise emissions during (dB(A) re eco 40-60 programme (spinning phase) 1 pW)



Table 6: Summary of test result 'WASH AND DRY' Accura **Symbol** Unit Standard Result Items deviation 0.5 Rated washing capacity 10.0 kg Rated washing-drying capacity 0,5 7,0 С kg kWh 0,001 4,380 0,056 Energy consumption of the wash and dry Ewd, full cycle at rated capacity Energy consumption of the wash and dry kWh 0,001 2,585 0,026 EwD, half cycle at half of rated capacity Weighted energy consumption Ewb kWh 0.001 3.662 0.028 SCEWD kWh 0,001 4,594 Standard energy consumption **EEI**_{WD} 0,1 79,7 **Energy Efficiency Index Energy Efficiency Class** Ε Water consumption of the wash and dry WwD, full liter 0,1 108,2 0,351 cycle at rated capacity Water consumption of the wash and dry Wwp, half 0,1 57,8 0,356 liter cycle at half of rated capacity 1 88 0,254 Weighted water consumption per cycle W_{WD} liter Washing efficiency index of the wash and Jw. full 0.01 1.04 0.004 dry cycle at rated capacity Washing efficiency index of the wash and Jw, half 0.01 1.05 0.004 dry cycle at half of rated capacity Rinsing effectiveness of the wash and dry 0.1 3.9 0,082 J_R, full g/kg cycle at rated capacity Rinsing effectiveness of the wash and dry J_R, half g/kg 0,1 3,5 0,168 cycle at half of rated capacity Cycle duration of the wash and dry cycle t_{cap}, full 460 2,082 1 min at rated capacity Cycle duration of the wash and dry cycle tcap, half min 1 330 1,291 at half of rated capacity Temperature reached for minimum 5 min T_{MAX}, full ٥С 1,114 41 inside the load during wash and dry cycle at rated capacity Temperature reached for minimum 5 min оC 0.275 T_{MAX}, half 35 inside the load during wash and dry cycle at half of rated capacity Spin speed in the spinning phase of the S. full 1410 rpm wash and dry cycle at rated capacity Spin speed in the spinning phase of the 1410 S, half 1 rpm wash and dry cycle at half of rated capacity Final moisture content of the wash and uF, full % 0.1 8.0 0,200 dry cycle at rated capacity Final moisture content of the wash and uF, half % 0,1 -0,5 0,451 dry cycle at half of rated capacity uF, max % 0,277 Final moisture content of the wash and 0,1 8,0 drv cvcle Airborne acoustical noise emissions (dB(A) re 1 during wash and dry cycle (spinning 1 pW) phase)



Equipments Equipments Range used

Report No.: SHES200801720751 Accuracy Resolution Calibration due

name	Model No./ID				date
		Power (0-10 kW)	Measurement uncertainty (0,5 %)	OK	2021/06/10
Temp.& Humidity Chamber	AHE101-01	Current (0-20 A)	Measurement uncertainty (0,5 %)	OK	2021/06/10
(Wash machine Chamber)	ATTE TOT-OT	Frequency (45-65 Hz)	±0,05 Hz	OK	2021/06/10
,		Thermocouples (-30 - 200 °C)	±0,5 °C	OK	2021/06/10
		Watt-hour meter	0,0001 kW h	OK	2021/06/10
Flowmeter	AHE101-01J	0,1-2m³/h	±0,1%	OK	2021/06/10
Tachometer	AHE106-01	10-99990RPM	0,04%±2dgts±0, 06RPM	OK	2021/06/10
Water-Quality Hardmeter	AHE112-01	0,01-0,1;±5%FS	0-10mmol/L	OK	2021/06/10
Electronic scales	AHE063-01A	500 g	0,1 g	OK	2021/06/12
Electronic scales	AHE107-03	150 kg	±5 g	OK	2021/06/12
Pressure meter	AHE085-01	350KPa	_	ОК	2021/06/11
Temperature and Humidity Instrument	AHE099-01	±0,4 °C (-20~+50 °C)±1digit; ±2% RH(2 to 98% RH); +0,03%RH/K ±1digit	-20 °C ~55 °C; 0~100%RH	OK	2021/06/09





Photo documentation

Details of: Front (WDQY1014EVJM, WDQY1014EVJM*)

The Control of the Co
1077ag 888.88

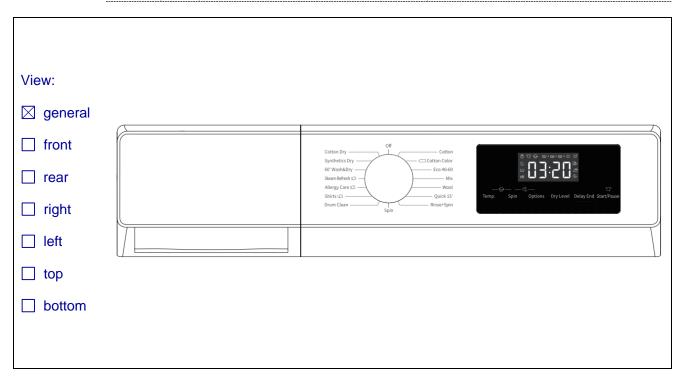
Details of: Front (WDMY1014EVJM, WDMY1014EVJM*)

	CPHE State Angle of States - Yeld
View:	
general	
⊠ front	
□ rear	
☐ right	
☐ left	
☐ top	
bottom	





Details of: Control panel (WDQY1014EVJM, WDQY1014EVJM*)



Details of: Control panel (WDMY1014EVJM, WDMY1014EVJM*)

View:		
⊠ general		
☐ front	Cotton Dry Off Cotton	∰ 77 G B B B B B B B B B B B B B B B B B
☐ rear	Synthetics Dry 60' Wash&Dry Steam Refresh (IS — Mix Allergy Care (IS — Wool	© 3:20°
☐ right	Shirts US Quick 15' Drum Clean Rinse+Spin	Temp. Spin Options Dry Level Delay End Start/Pause
☐ left		
☐ top		
☐ bottom		

- - - End of Report - - -