



GEMS ACT COMPLIANCE: CHECK TESTING RESULTS JANUARY TO JUNE 2019

1. Purpose

This report presents the results of check tests on models of GEMS products finalised between 1 January 2019 and 30 June 2019.

2. Background

Check testing refers to activities undertaken to ensure models of GEMS products meet the relevant determination's GEMS level requirements, often referred to as minimum energy performance standards or MEPS, and the energy efficiency claims of manufacturers and suppliers. Check tests are conducted on behalf of the GEMS Regulator by National Association of Testing Authorities (NATA) accredited or affiliated laboratories either in Australia or overseas. Further information is available from the [GEMS Check Testing Policy](#).

3. GEMS Products Check Tested

Between 1 January 2019 and 30 June 2019 the GEMS Regulator finalised the check tests of 51 models of the following 13 GEMS products:

GEMS Product	Number of Models
Air Conditioners	2
Clothes Dryers	3
Clothes Washers	4
Computers	1
Dishwashers	8
Electric Motors	10
Electric Water Heaters	4
External Power Supplies	6
Gas Water Heaters	1
Incandescent Lamps	4
Refrigerators/Freezers	4
Set-top Boxes	2
Televisions	2
Total	51

4. Check Test Results

Of the 51 models tested, 44 (86%) met the relevant determination's GEMS level requirements and the energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) check testing. Seven models (14%) did not.

The following table lists the number and percentage of models of each GEMS product passing and failing Stage 1 check testing.

GEMS Product	Stage 1 Pass		Stage 1 Fail	
Air Conditioners	1	50%	1	50%
Clothes Dryers	3	100%	0	0%
Clothes Washers	2	50%	2	50%
Computers	1	100%	0	0%
Dishwashers	7	88%	1	12%
Electric Motors	9	90%	1	10%
Electric Water Heaters	4	100%	0	0%
External Power Supplies	5	83%	1	17%
Gas Water Heaters	1	100%	0	0%
Incandescent Lamps	4	100%	0	0%
Refrigerators/Freezers	4	100%	0	0%
Set-top Boxes	2	100%	0	0%
Televisions	1	50%	1	50%
Totals	44	86%	7	14%

In accordance with the GEMS Check Testing Policy, the registrants of the seven models failing the Stage (1) check test were given the opportunity to respond to the results.

The registrant of one air conditioner model chose to proceed to Stage (2) check testing. The model passed the Stage (2) testing and no further action was required.

Therefore, 45 models (88%) met the relevant GEMS level requirements and energy efficiency claims of manufacturers and suppliers at the completion of GEMS Stage (1) and Stage (2) check testing. Six models (12%) did not.

Of those six models:

- the registrant of one television model, which did not meet the requirement for an on-screen warning to appear when the television was switched on in 'store mode', updated the model's software.
- the registrant of one external power supply model, which did not meet the claimed high efficiency level, corrected the model's registration and relabelled all unsold units to reflect the correct high efficiency level.
- two models; one clothes washer and one dishwasher, were referred to the Water Efficiency Labelling and Standards (WELS) Regulator for further action.
- the registrants of two models elected to cancel their model's registrations.

Details of the 47 models that passed Stage (1) or Stage (2) check testing or worked with the GEMS Regulator to resolve the non-compliance are included at Attachment "A".

5. GEMS Regulator Responses

Registrants elected to cancel the following model's registrations:

Registration	ACW0337
Product	Clothes Washer
Brand	Hoover
Model	DXA385AH/1-AUS
Date Cancelled	24/01/2019
Registrant Name	Candy Hoover Group Srl
Reason Cancelled	Water extraction index, rinse performance, water consumption

Registration	AEM1661
Product	Electric Motor
Brand	Rossi
Model	F0 132
Date Cancelled	03/05/2019
Registrant Name	Rossi Gearmotors Australia Pty Ltd
Reason Cancelled	Minimum energy performance requirement at 75% and 100% load

6. Monitoring and Enforcing Compliance

The GEMS Regulator reminds all suppliers of GEMS products of their obligations under the [GEMS Act 2012](#). The GEMS Regulator, assisted by GEMS inspectors, monitors compliance with the GEMS Act via a GEMS Compliance Monitoring program of check testing and market surveillance. Enforcement action, in accordance with the [GEMS Compliance Policy](#), may be taken by the GEMS Regulator where contraventions of the GEMS Act are found.

Further information is available at energyrating.gov.au.



Australian Government

Department of the Environment and Energy

**Greenhouse and Energy
Minimum Standards Regulator**

Attachment A. The 47 models that passed Stage (1) or Stage (2) check testing or worked with the GEMS Regulator to return to compliance.

GEMS Product	Brand	Model Number
Air Conditioner	Panasonic	CS-Z12RKR/CU-Z12RKR
Air Conditioner	Braemar	BSHV60D1S/BCHV60D1S
Clothes Dryer	Seiki	SC-70AU9DRHPC
Clothes Dryer	Asko	T408HD.W.AU
Clothes Dryer	Omega	OCD7HP
Clothes Washer	Ariston	RPG 94 7 D AUS
Clothes Washer	Esatto	ETL6.1
Computer	Ollee	L14HTCPW
Dishwasher	Dishlex	DSF6106W
Dishwasher	Westinghouse	WSF6606X
Dishwasher	Haier	HDW15G3W
Dishwasher	Seiki	SC-1200AU6DS
Dishwasher	Tsira	TDW12AX
Dishwasher	Domain	DW60X2
Dishwasher	Centurion	DW1580S
Electric Motor	AEG	JL1 132S1-2
Electric Motor	Baldor	37G814S073G1
Electric Motor	EMT	e-Drive Y2E180M4
Electric Motor	FANTECH	Y2AE132S-6
Electric Motor	GRUNDFOS	MG112MC4
Electric Motor	Hitachi	TFO-HKK-7.5kW
Electric Motor	Lowara	PLM160RB5/3110 E3
Electric Motor	Davey	861
Electric Motor	Ingersoll Rand	FF90S-4VF

GEMS Product	Brand	Model Number
Electric Water Heater	Thermann	400THMB136
Electric Water Heater	Vulcan	661250G7
Electric Water Heater	Rheem	491080R7
Electric Water Heater	Dux	125T118
External Power Supply	XP Power	AKM65US18
External Power Supply	Asian Power Devices	WA-13B48R
External Power Supply	Comsol	WCS10WHT
External Power Supply	Mean Well	GTS18A05
External Power Supply	Moshi	99MO022146
External Power Supply	Powertec	MP-3476
Gas Water Heater	enerMAX	EC24eTA47N
Incandescent Lamp	Olsent	MR16 35W
Incandescent Lamp	Philips	35W GU5.3 12V 60D
Incandescent Lamp	Philips	9256933455
Incandescent Lamp	OSRAM	64544 A ECO 57W E27
Refrigerator/ Freezer	Lemair	L550SXS
Refrigerator/ Freezer	Haier	HSBS555AS
Refrigerator/ Freezer	LG	GS-B680PL
Refrigerator/ Freezer	Chiq	CTM216W
Set-top Box	Teac	HDB860
Set-top Box	Linden	LHDSTB17
Television	Panasonic	TH-65FX800A
Television	Polaroid	PL6517UAD