



# GEMS ACT COMPLIANCE: CHECK TESTING RESULTS JANUARY TO JUNE 2018

## 1. Purpose

This report presents the results of check tests of models of GEMS products finalised between 1 January 2018 and 30 June 2018.

## 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 2018 and 30 June 2018 the GEMS Regulator finalised the check tests of 54 models of the following 11 GEMS products:

GEMS Product	No. Models
Electric motors	10
Clothes washers	9
Dishwashers	9
Household refrigerators/ freezers	8
Air conditioners	5
Clothes dryers	4
Transformers and electronic step-down converters for ELV lamps	3
Incandescent lamps	2
Televisions	2
Electric storage water heaters	1
Gas storage water heaters	1
<b>Total</b>	<b>54</b>

## 4. Check Test Results

Forty-eight of the 54 models (89%) 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. Six models (11%) did not.

GEMS Product	Stage 1 Pass		Stage 1 Fail	
Clothes dryers	4	100%	0	0%
Dishwashers	9	100%	0	0%
Electric motors	10	100%	0	0%
Gas storage water heaters	1	100%	0	0%
Household refrigerators/ freezers	8	100%	0	0%
Televisions	2	100%	0	0%
Clothes washers	8	89%	1	11%
Air conditioners	4	80%	1	20%
Transformers and electronic step-down converters for ELV lamps	2	67%	1	33%
Electric storage water heaters	0	0%	1	100%
Incandescent lamps	0	0%	2	100%
<b>Totals</b>	<b>48</b>	<b>89%</b>	<b>6</b>	<b>11%</b>

In accordance with the GEMS Check Testing Policy, the registrants of the six models failing the Stage (1) check test were given the choice to arrange for Stage (2) check testing or elect to cancel the registration of the models.

The registrants of the electric storage water heater model and two incandescent lamp models chose to proceed to Stage (2) check testing where the models subsequently passed.

The registrant of one air conditioner model elected to cancel the model's registration.

Given the transformer and electronic step-down converter for ELV lamps model was not registered at the time it was purchased for check testing, the manufacturer removed it from supply.

The details of the one clothes washer, which failed to meet water efficiency requirements, were referred to the WELS Regulator for further action.

Fifty one models (94%) therefore met the relevant GEMS level requirements and energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) and Stage (2) check testing. Three models (6%) did not.

Details of the 51 models that passed Stage (1) or Stage (2) check testing are included at Attachment "A".

## 5. GEMS Regulator Responses

The registrant of the one air conditioner model elected to cancel their model's registration.

Registration	Brand	Model	Date Cancelled	Registrant	Reason/s
AAC1265	Braemar	SDHF18C	21/02/2018	Seeley International PL	Failed to meet MEPS Cooling (AEER) at rated capacity

## 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](http://energyrating.gov.au).



**Attachment A. The 51 models that passed Stage (1) or Stage (2) check testing.**

<b>GEMS Product</b>	<b>Brand</b>	<b>Model Number</b>
Air conditioners	Panasonic	S-100PE1R5A/U-100PE1R5A
Air conditioners	Braemar	SDHV16D1S/SCHV16D1S
Air conditioners	Teco	TWS37H3DVEM/TSO37H3DVEM
Air conditioners	MDV	WMVA-26/QD3GW
Clothes dryers	Fisher & Paykel	WD8560F1
Clothes dryers	Haier	HDV60E1
Clothes dryers	Baumatic	BD45KG
Clothes dryers	Gorenje	D9864E
Clothes washers	Fisher & Paykel	WD8560F1
Clothes washers	Whirlpool	FSCR80410
Clothes washers	Bosch	WAY32790AU (Item 19)
Clothes washers	Simpson	SWT9043
Clothes washers	Samsung	WW75K5210WW
Clothes washers	Panasonic	NAFS85G3WAU
Clothes washers	AEG	LF8E8411A
Clothes washers	Omega	OWM75W
Dishwashers	Euroclean	ECGA1441
Dishwashers	Asko	D5424SS
Dishwashers	Venini	VDW14S
Dishwashers	Kleenmaid	DW6021
Dishwashers	Blanco	BDW8345X
Dishwashers	Technika	TDX6SS-5
Dishwashers	Teco	TDW15SCG
Dishwashers	Arc	AD14S
Dishwashers	Emilia	EDW63SS
Electric motor	Mechtric	WE180M-2
Electric motor	Marathon	HGA200LA-6
Electric motor	Marathon	HGA160M-6

<b>GEMS Product</b>	<b>Brand</b>	<b>Model Number</b>
Electric motors	Bonfiglioli	BE 132S 4 240/415-50
Electric motors	Nord	GBN IE3 90SP
Electric motors	Marathon	HGA132M-8
Electric motors	Elta	ELTA3110-44-HE
Electric motors	Teco	5.5kW-4 Pole D132S-AEMB-AEMV
Electric motors	CEG	EA2M34001503
Electric motors	Atlas Copco	1092903659(YE3-132M-2)
Electric storage water heaters	Rinnai	HFE250SSL18
Gas storage water heaters	Dux	26ECB6N
Household refrigerator/ freezers	LG	GB-450UPLX
Household refrigerator/ freezers	Mitsubishi Electric	MR-420EK-ST-A
Household refrigerator/ freezers	Euro	E48FW
Household refrigerator/ freezers	Heller	FDHD22
Household refrigerator/ freezers	Hisense	HR6TFF350
Household refrigerator/ freezers	Haier	HRF520FS
Household refrigerator/ freezers	Samsung	SR471LSTC
Household refrigerator/ freezers	Westinghouse	WBB3700WG
Incandescent lamps	Lucci Shine	(SKU101415) Karbon Decorative ES G95 Globe
Incandescent lamps	Lucci Shine	(SKU101411) Karbon ES Clear Decorative Pilot
Televisions	Soniq	F60FV17A-AU
Televisions	TCL	40D2900F
Transformers and electronic step-down converters for ELV lamps	Tridonic	Speedy TE-0070
Transformers and electronic step-down converters for ELV lamps	Tridonic	TE-0105