



# GEMS Compliance: Check testing results July 2021 to June 2022

## Purpose

To report on the selection and check testing of models of Greenhouse and Energy Minimum Standards (GEMS) products undertaken between 1 July 2021 and 30 June 2022.

## Background

Check testing refers to principles and procedures the GEMS Regulator uses to verify (through laboratory testing), whether GEMS product models meet minimum energy performance standards (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](#).

If the Stage 1 Check Testing results indicate that the product model meets all the requirements of the GEMS determination that were tested, the GEMS Regulator will determine that the model passes the Stage 1 Check Testing. The GEMS Regulator then notifies the registrant that the Stage 1 Check Testing has taken place and that no further action is required to be taken.

If the Stage 1 Check Testing results do not indicate that the product meets all the requirements of the GEMS determination that were tested, the GEMS Regulator will notify the registrant that on the basis of the Stage 1 Check Test results, it appears that the relevant model(s) of the product does not comply with the GEMS determination against which it is registered.

The GEMS Regulator will consider any further information received from the registrant and either:

- decide to issue a notice under section 61 of the GEMS Act requiring the registrant to apply to cancel the registration of the model(s), or arrange for further stage (2) testing at their expense;
- decide not to issue a notice under section 61 on the basis of the further information provided by the registrant; or
- decide not to issue a notice under section 61, subject to the registrant agreeing to conduct further testing or take other steps as required by the GEMS Regulator.

The check testing results have been published in accordance with section 162 of the *GEMS Act 2012*.

## GEMS Products Check Tested

Between 1 July 2021 and 30 June 2022<sup>1</sup>, the GEMS Regulator undertook stage (1) check testing of 61 models of the following ten GEMS products<sup>2</sup>:

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<sup>1</sup> GEMS Compliance Monitoring program 2021-2022: <https://www.energyrating.gov.au/node/25680>

<sup>2</sup> During 2021-2022, the procurement and check testing of additional GEMS products was impacted by COVID restrictions and overseas supply chain issues.

GEMS Product	Number of Models	Stage (1) Pass	Stage (1) Fail	Pending results
Air Conditioners	7	2	1	4
Clothes Dryers	6	3		3
Clothes Washers	5	2		3
Computer Monitors	10	10		
Electric Motors	3	3		
Electric Water Heater	4	3		1
External Power Supply	3	3		
Gas Water Heaters	2	1		1
Household Refrigerator/Freezer	10	8	1	1
Televisions	11	9	2	
<b>Total</b>	<b>61</b>	<b>44</b>	<b>4</b>	<b>13</b>

## Check Test Results

At the date of reporting:

- 44 models tested passed the relevant GEMS determination level requirements
- 4 models failed stage 1 testing and have subsequently had their registration cancelled and can no longer be offered for sale or supply
- 13 models are yet to have their stage 1 testing finalised;

## The 44 models that passed Stage (1) check testing:

GEMS Product	Brand	Model Number
Air Conditioner	Actron Air	URC-071AS/CRE-071AS*
Air Conditioner	Rinnair	HONRJ25B/HINRJ25B*
Clothes Dryer	Akai	AK-HPD8S
Clothes Dryer	Ariston	N11HPLWAU
Clothes Dryer	Westinghouse	WWW9024M5WA
Clothes Washer	Simpson	SWT7055TMWA
Clothes Washer	AEG	LF89412AC
Computer Monitor	Mitsumaru	MI-V225-238
Computer Monitor	Cool Master	GM27-CF
Computer Monitor	Kogan	KAMN27UHFTA
Computer Monitor	Chiq	27P80Q
Computer Monitor	QSM	Q35CFB.120-WQHD
Computer Monitor	Philips	275B1
Computer Monitor	HP	V28 4K
Computer Monitor	Samsung	LS32AM500NEXXY
Computer Monitor	PRISM+	PG400U PRO
Computer Monitor	Planar	PCT2285
Electric Motor	Qin Wei	MAE1-180M
Electric Motor	WEG	1.5kW 6P 100L W21 IE2
Electric Motor	Tehtop	37kW 2P 415V TAI 200L2-2

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External Power Supply	WAHL	S004MS0400090
External Power Supply	Nokia	AC-18A
External Power Supply	ZTE	STC-A22O50I700USBA-I
Electric Water Heater	Vulcan DuoMax	6D1050Vx
Electric Water Heater	Rheem	491315Rx
Electric Water Heater	Thermann	250THM136
Gas Water Heater	Thermann	170THMB4P*
Household Refrigerator/Freezer	Esatto	ECF198W2 FREEZER
Household Refrigerator/Freezer	LG	GF-B730PL
Household Refrigerator/Freezer	Haier	HCF719W2
Household Refrigerator/Freezer	Westinghouse	WFM0900WD
Household Refrigerator/Freezer	Fisher & Paykel	RF442BLPX6
Household Refrigerator/Freezer	Esatto	ECF198W2 FRIDGE
Household Refrigerator/Freezer	Hisense	HRBMFF453B
Household Refrigerator/Freezer	SAMSUNG ELECTRONICS	SRF5300SD
Television	EKO	K550USG
Television	TCL	65C725
Television	Kogan	KALED40RF9220STB
Television	Philips	65PUT8215/79
Television	Cybercast / Soniq	ASU5517A-GA
Television	Hitachi	58QLEDSM20
Television	AKAI	AK6521S6WOS
Television	TEAC	LE75E521
Television	Ffalcon	65UF3*

\* Model initially failed stage 1 check testing, however was brought back to compliance by the registrant/supplier to the satisfaction of the GEMS Regulator (in accordance with the GEMS Check Testing Policy).

#### The 4 models that failed Stage (1) check testing:

GEMS Product	Brand	Model Number	Action Taken
Air Conditioner	Kogan	KAWFSAC26UA	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration.  <b>Registration cancelled as of 8 December 2022.</b>
Household Refrigerator/Freezer	Germanica	GFD545SS	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration.  <b>Registration cancelled as of 8 September 2022.</b>

Television	BLAUPUNKT	BP4000HDV7100	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration.  <b>Registration cancelled as of 13 December 2022.</b>
Television	ELITELUX	US65UHD10G10	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration.  <b>Registration cancelled as of 31 October 2022.</b>

### The 13 models that are pending Stage (1) check testing results:

GEMS Product	Brand	Model Number
Air Conditioner	HISENSE	HAWV9KR
Air Conditioner	Dimplex	DCES12B
Air Conditioner	Carrier	38QHG035N8/ 42QHG035N8
Air Conditioner	Galaxy Air	HAS2503
Clothes Dryer	Artusi	ACD7000W
Clothes Dryer	Yokohama	YOK7VND
Clothes Dryer	Speed Queen	ADEE8BGS435AW01
Clothes Washer	Teco	TWM80FBW
Clothes Washer	Fisher & Paykel	WH1160S1
Clothes Washer	Westinghouse	WWW9024M5WA
Electric Water Heater	Dux	50S136
Gas Water Heater	Everhot	218135N0
Household Refrigerator/Freezer	Hitachi	R-WX620KAXK

### 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 compliance officers and 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).