



# **GREENHOUSE AND ENERGY MINIMUM STANDARDS (GEMS)**

## **Compliance - Check Testing Results**

**July 2023 to June 2024 (interim report)**

## Purpose

To report on the selection and check testing of models of Greenhouse and Energy Minimum Standards (GEMS) products undertaken between 1 July 2023 and 30 June 2024.

## Background

Check testing refers to principles and procedures the GEMS Regulator uses to verify 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. View our [GEMS Check Testing Policy – with Validity Criteria](#) for more information about stages and testing.

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

## Products tested

Between 1 July 2023 and 30 June 2024<sup>1</sup>, the GEMS Regulator undertook stage 1 check testing of 63 models for ten GEMS products.

At the date of reporting:

- 45 models passed the relevant GEMS Determination level requirements;
- 17 models are pending testing finalisation; and
- 1 model failed Stage 1 check testing. The model has subsequently had their registration cancelled, and it can no longer be offered for sale or supply in Australia.

Table 1: Summary of products tested during the period

GEMS Product	Total	Pass	Pending results	Fail
Air Conditioners	7	3	4	
Clothes Dryers	2	2		
Computer Monitors	10	7	3	
Clothes Washers	5	5		
Dishwashers	5	3	2	
Electric Motors	9	9		
Electric Water Heater	1	1		
Refrigerated Cabinets	3	1	1	1
Household refrigerator/freezer	12	9	3	
Televisions	9	5	4	
<b>Total</b>	<b>63</b>	<b>45</b>	<b>17</b>	<b>1</b>

<sup>1</sup> [GEMS Compliance Monitoring program 2023-2024](#)

Table 2: Models that passed the relevant GEMS Determination level requirements

GEMS Product	Brand	Model Number
Air Conditioner	Kaden	KSI06
	FUJITSU	AOTH18KBTA/AUTH18KVLA
	TECO	TWS-TSO35H3DVHA
Clothes Dryer	ASKO	T608HX.W.AU
	LG	WWT-1209B
Clothes Washer	LG	WWT-1209B
	Electrolux	EWF1042R7WB
	BOSCH	WGA254U0AU
	SEIKI	SC-600AU9FLMK2
	FISHER & PAYKEL	WL1068P
Computer Monitor	Thomson	MT-D24FHD
	PHILIPS	271S9
	JVC	LT-GN32525A
	LG	27UP550N
	ACER	EI491CR
	SAMSUNG ELECTRONICS	LS49CG954EEXXY
	Thermaltake	GM-GFT-27FTQB
Dishwasher	AKAI	AK-DW15P
	Whirlpool	WDFS3R4NWEAU
	Technika	TGDW6BK-2
Electric Motor	Brook Crompton	WM2-DF200LGX-2
	REMX	YHHVIE2180L-48-4
	Wonder - Toshiba	*2Y*-C0110
	EMTOMECC	HE180L4
	ABB	M3AA/BP/GP/JP/KP 225 SMA 6
	Teco Australia	MaxAlloy - 11kW - 6 pole - D160L
	MECHTRIC (Guanglu)	YE3-132M1-6
	SAMT	YE3-160L-2
CMG	PPA132MA-6	

GEMS Product	Brand	Model Number
Electric Water Heater	Thermann	315THMB136
Refrigerated Cabinet	Exquisite	UBC330
Household Refrigerator/Freezer	LG	GB-335WL
	Fisher & Paykel	RF500QNX1
	Hisense	HRC585BWB
	Westinghouse	WTB3400WK
	Haier	HRF420BHS
	Kogan	KAHFRZU204A
	Esatto	ESBS460X
	MIELE	KFN 4375 DD edt/cs
Television	LIEBHERR	CNPef 4416
	Altius	AT32HDW-BCF
	Monster	MT32HDW-LT22
	Kogan	KAQLED43XQ98JSTA
	Ffalcon	FF40S53
	Philips	32PHT6915/79

**Table 3: Models that failed stage 1 or stage 2 check testing and have subsequently had their registration cancelled and can no longer be offered for sale or supply**

GEMS Product	Brand	Model Number	Action Taken
Refrigerated Cabinet	BROMIC	GM1000LBECO	Registrant issued letter advising the GEMS Regulator is considering issuing a notice under subsection 61(1) of the Greenhouse and Energy Minimum Standards Act 2012 (GEMS Act). Registrant opted to cancel their registration.

## 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).