



Australian Government

GEMS Regulator

GREENHOUSE AND ENERGY MINIMUM STANDARDS (GEMS)

Compliance - Check Testing Results

July 2022 to June 2023 (final report, as at 30 June 2025)

Purpose

To report on the selection and check testing of models of Greenhouse and Energy Minimum Standards (GEMS) products undertaken between 1 July 2022 and 30 June 2023.

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 2022 and 30 June 2023¹, the GEMS Regulator undertook stage 1 check testing of 64 models for ten GEMS products.

At the date of reporting:

- 62 models passed the relevant GEMS Determination level requirements.
- 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.
- 1 model was registered to the New Zealand Regulator but was supplying the product to Australia. Model was subsequently registered to the GEMS Regulator.

Table 1: Summary of products tested during the period

GEMS Product	Total	Pass	Fail	Alternate enforcement action
Air Conditioners	8	8		
Clothes Dryers	4	4		
Computer Monitors	10	10		
Clothes Washers	4	4		
Dishwashers	5	5		
Electric Motors	2	2		
Electric Water Heater	3	2		1
Gas Water Heaters	2	2		
Household refrigerator/freezer	11	11		
Televisions	15	14	1	
Total	64	62	1	1

¹ [GEMS Compliance Monitoring program 2022-2023](#)

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

GEMS Product	Brand	Model Number
Air Conditioner	Panasonic	CU-RZ60XKR / CS-RZ60XKRW
	Haier	1U25MAEFRA / AS25QCEHRA
	Pioneer	HPR-18A2
	Inalto	IAP3800W
	Goldair	GCPAC350W
	Devanti	PAC-A-18K-WH-BK
	Dimplex	DCP9
	Honeywell	HM12CESWK
Clothes Dryer	Electrolux	EDH803R9WB
	Inalto	IHPD80
	Haier	HDV70E1
	LG	WVC9-1410W
Clothes Washer	LG	WVC9-1410W
	Westinghouse	WWF1044M7WA
	Electrolux	EWF1041R9WB
	SOLT	GGFSLW80ADW
Computer Monitor	Blaupunkt	BP27SM60
	PHILIPS	243B9
	KOGAN	KAMN27QFSB
	Acer	B248Y
	Eko	K27FM
	Dell	SE2422H
	HP	V27i G5
	Lenovo	D27-30
	BenQ	GW2785TC
	ASUS	VG247Q1A
Dishwasher	Smeg	DWA615DX3

GEMS Product	Brand	Model Number
	V-Zug	AS6T-41118
	Bosch	SMP66MX05A
	Fisher & Paykel	DW60UZ6B
	IKEA	ISKAD 004.756.25
Electric Motor	REMX	YHHVIE2160M1-42-2 (name plate YHIE2160M1-42-2)
	Toshiba	*YH-C0150
Electric Water Heater	EVERHOT	291315Rx
	Alliance	R28 24P
Gas Water Heater	VULCAN	648135P0
	RINNAI	GHF4170L
Household Refrigerator/Freezer	Hisense	HRBM418D
	LG	GF-B530BL
	Samsung Electronics	SRS673DMB
	TECO	TFF203WNTDM
	Westinghouse	WSE6630SA
	Fisher & Paykel	RF730QZUVB1
	Hitachi	R-B570PT7GBK
	Kelvinator	KBM5302AC
	Haier	HCF524W3
	Westinghouse	WCM3000WE
	Electrolux	EQE5607BA
Television	LG	OLED42C2PSA
	SONY	KD-65X85K
	Blaupunkt	BP400FSG9700
	Samsung Electronics	UA65BU8000W
	Hisense	50A7HAU
	MITSUMARU	MI-2227D

GEMS Product	Brand	Model Number
	TOSHIBA	75C350LP
	SHARP	4T-C60DL1X
	TCL	55RP630
	Thomson	STVLED43FHDB
	Chiq	U43G7P
	Linsar	LS70UHDNF
	ENGLAON	LED27M80
	JCV	AV-HQ557115A

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
Television	Kogan	KALED40RF9310STA	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration. Registration cancelled as of 11 June 2023.

Table 4: Additional model cancellations

In accordance with the Check Testing Policy, once a registration is cancelled, the GEMS Regulator works to identify other models that are registered using the same test report or with the same model specifications.

GEMS Product	Brand	Model Number	Action Taken
Household refrigerator	Kogan	KAM490FRSF	In September 2022, the registration of Germanica refrigerator (GFD545SS) was cancelled due to a stage 1 check test fail. Both models shared the same technical specifications. Registrant opted to cancel registration. Registration cancelled as of 24 May 2023
Household refrigerator	Ilve	ILREF482FD	In September 2022, the registration of Germanica refrigerator (GFD545SS) was cancelled due to a stage 1 check test fail. Both models shared the same technical specifications. Registrant opted to cancel registration. Registration cancelled as of 26 May 2023

Table 5: Alternate Enforcement Action

The below product was identified as being offered for supply in Australia, however, was registered under the New Zealand Regulator. The product underwent check testing, and as a result the registrant/supplier was required to register the product to the GEMS Regulator.

GEMS Product	Brand	Model Number	Action Taken
Electric Water Heater	Stiebel Eltron	SHC 15 AU	Directed supplier to retest their product to relevant standards and register to the GEMS Regulator.

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.