



Australian Government

GEMS Regulator

GREENHOUSE AND ENERGY MINIMUM STANDARDS (GEMS)

Compliance - Check Testing Results

July 2021 to June 2022 (final report)

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 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 2021 and 30 June 2022¹, the GEMS Regulator undertook stage 1 check testing of 61 models for ten GEMS products².

At the date of reporting:

- 55 models passed the relevant GEMS Determination level requirements, and
- 6 models failed either stage 1 or stage 2 check testing and have subsequently had their registration cancelled and can no longer be offered for sale or supply.

Table 1: Summary of products tested during the period.

GEMS Product	Total	Pass	Pending results	Fail
Air Conditioners	7	5		2
Clothes Dryers	6	5		1
Clothes Washers	5	5		
Computer Monitors	10	10		
Electric Motors	3	3		
Electric Water Heater	4	4		
External Power Supply	3	3		
Gas Water Heaters	2	2		
Household Refrigerator/Freezer	10	9		1
Televisions	11	9		2
Total	61	55		6

¹ [GEMS Compliance Monitoring program 2021-2022](#)

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

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

GEMS Product	Brand	Model Number
Air Conditioner	Actron Air	URC-071AS/CRE-071AS*
	Rinnair	HONRJ25B/HINRJ25B*
	HISENSE	HAWV9KR
	Carrier	38QHG035N8/ 42QHG035N8
	Galaxy Air	HAS2503
Clothes Dryer	Akai	AK-HPD8S
	Ariston	N11HPLWAU
	Speed Queen	ADEE8BGS435AW01^
	Westinghouse	WWW9024M5WA
	Yokohama	YOK7VND^
Clothes Washer	Simpson	SWT7055TMWA
	AEG	LF89412AC
	Fisher & Paykel	WH1160S1*
	Westinghouse	WWW9024M5WA*
	Teco	TWM80FBW^
Computer Monitor	Mitsumaru	MI-V225-238
	Cool Master	GM27-CF
	Kogan	KAMN27UHFTA
	Chiq	27P80Q
	QSM	Q35CFB.120-WQHD
	Philips	275B1
	HP	V28 4K
	Samsung	LS32AM500NEXXY
	PRISM+	PG400U PRO
	Planar	PCT2285
Electric Motor	Qin Wei	MAE1-180M
	WEG	1.5kW 6P 100L W21 IE2

GEMS Product	Brand	Model Number
External Power Supply	Techtop	37kW 2P 415V TAI 200L2-2
	WAHL	S004MS0400090
	Nokia	AC-18A
	ZTE	STC-A22O50I700USBA-I
Electric Water Heater	Vulcan DuoMax	6D1050Vx
	Rheem	491315Rx
	Thermann	250THM136
	Dux	50S136^
Gas Water Heater	Everhot	218135N0^
	Thermann	170THMB4P*
Household Refrigerator/Freezer	Esatto	ECF198W2 FREEZER
	LG	GF-B730PL
	Haier	HCF719W2
	Westinghouse	WFM0900WD
	Fisher & Paykel	RF442BLPX6
	Esatto	ECF198W2 FRIDGE
	Hisense	HRBMFF453B
	Samsung Electronics	SRF5300SD
	Hitachi	R-WX620KAXK*
Television	EKO	K550USG
	TCL	65C725
	Kogan	KALED40RF9220STB
	Philips	65PUT8215/79
	Cybercast / Soniq	ASU5517A-GA
	Hitachi	58QLEDSM20
	AKAI	AK6521S6WOS
	TEAC	LE75E521
	Ffalcon	65UF3*

(*) Model initially failed stage 1 check testing, however was returned to compliance by the supplier to the satisfaction of the GEMS Regulator (in accordance with the GEMS Check Testing Policy – with Validity Criteria).

(^) Model initially failed stage 1 check testing, registrant moved to stage 2 check testing and model passed stage 2 check testing (in accordance with the GEMS Check Testing Policy – with Validity Criteria).

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 in Australia.

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. Registration cancelled as of 8 December 2022.
Air Conditioner	Dimplex	DCES12B	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration. Registration cancelled as of 6 April 2023.
Clothes Dryer	Artusi	ACD7000W	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to move to stage 2 check testing. Model failed stage 2 check testing. GEMS Regulator cancelled registration. Registration cancelled as of 29 March 2023.
Household Refrigerator/Freezer	Germanica	GFD545SS	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration. Registration cancelled as of 8 September 2022.
Television	BLAUPUNKT	BP4000HDV7100	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration. Registration cancelled as of 13 December 2022.
Television	ELITELUX	US65UHD10G10	Registrant issued section 61 Notice under the GEMS Act. Registrant opted to cancel registration. Registration cancelled as of 31 October 2022.

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.