



GEMS Compliance: Check testing results July 2020 to June 2021

Purpose

This report presents the results of check tests of models of Greenhouse and Energy Minimum Standards (GEMS) products finalised between 1 July 2020 and 30 June 2021.

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](#).

GEMS Products Check Tested

Between 1 July 2020 and 30 June 2021, the GEMS Regulator finalised the check tests of 66 models of the following twelve GEMS products:

GEMS Product	Number of Models
Air Conditioners	13
Computers	10
Clothes Washers	6
Clothes Dryers	8
Computer Monitors	1
Dishwashers	2
Gas Water Heaters	4
Household Refrigerating Appliances	4
Televisions	1
External Power Supply	10
Electric Motors	5
Electric Water Heater	2
Total	66

Check Test Results

Of the 66 models tested, 62 (94%) met the relevant determination's GEMS level requirements and the energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) or Stage (2) check testing. Four models (6%) did not.

Details of the 62 models that passed Stage (1) or Stage (2) check testing are included at Attachment "A".

GEMS Regulator Responses

Of the four models that did not meet one or more of the requirements of the relevant GEMS determination at the completion of Stage (1) or Stage (2) check testing, the GEMS Regulator took the following actions:

1.

Registration	AAC3412
Product	Air Conditioner (non ducted)
GEMS Determination	Greenhouse and Energy Minimum Standards (Air Conditioners up to 65kW) Determination 2019
Brand/Model	Dimplex - DCES28
Country of Manufacture	China
Action taken	Model registration cancelled in accordance with section 54 of the <i>GEMS Act 2012</i>
Date Cancelled	17 November 2020
Reason Cancelled	Product failed MEPS Cooling (AEER) at rated capacity; MEPS Heating (ACOP) at rated capacity. In both instances the tested value was below the MEPS target value. The failures were marginal but standard protocol is not to allow any tolerance for MEPS in Stage 1 check testing. The registrant opted to cancel the registration.

2.

Registration	ACM1848
Product	Computer Monitor
GEMS Determination	Greenhouse and Energy Minimum Standards (Computer Monitors) Determination 2014
Brand/Model	Kogan - KAMN15FUDA
Country of Manufacture	China
Action taken	Model registration cancelled in accordance with section 54 of the <i>GEMS Act 2012</i>
Date Cancelled	25 August 2020
Reason Cancelled	The measured value of the Projected Annual Energy Consumption (PAEC) was significantly greater than the claimed value. The registrant opted to cancel the registration.

3.

Registration	AAC3139
Product	Air Conditioner
GEMS Determination	Greenhouse and Energy Minimum Standards (Air Conditioners up to 65kW) Determination 2019
Brand/Model	Pioneer International - GR-18CHSA/GIF-18CHSA
Country of Manufacture	China, Australia
Action taken	Model registration cancelled in accordance with section 54 of the <i>GEMS Act 2012</i>
Date Cancelled	9 December 2020
Reason Cancelled	<p>The unit failed on cooling capacity and heating capacity, which were both more than 10% below the rated values.</p> <p>The GEMS Regulator was not satisfied the model complied with the relevant determination as a result of a Stage (1) check test and subsequently issued a notice to the registrant under section 61 of the <i>GEMS Act 2012</i>.</p> <p>The notice required the registrant to either apply to cancel the model's registration or arrange for further testing and examination by a certain date. The registrant failed to take either step, therefore the model's registration was cancelled. The registrant referred the matter to the Administrative Appeals Tribunal (AAT) for decision review and is currently under consideration.</p>

4.

Registration	ACD0418
Product	Clothes Dryer
GEMS Determination	Greenhouse and Energy Minimum Standards (Rotary Clothes Dryers) Determination 2015
Brand/Model	AEG - L8WEC166R
Country of Manufacture	Italy
Action taken	Registrant accepted an undertaking under section 131(4) of the <i>GEMS Act 2012</i> .
Reason for undertaking	<p>The non-compliance resulted from the installation of incorrect software on the unit. The registrant entered an agreement with the GEMS Regulator to:</p> <ul style="list-style-type: none"> • install the correct software in all unsold stock to ensure compliance for future sales • notify purchasers of the software error, its effect, and offer a no charge software upgrade; and • provide progress reports to the GEMS Regulator. <p>Following this action the registration was not cancelled.</p>

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.

Attachment A: The 62 models that passed Stage 1 or Stage 2 check testing

GEMS Product	Brand	Model Number
Clothes Dryer	Haier	HDHP80E1
Television	Linsar	LS58UHDSM20
Clothes Dryer	Ariston	N94WAAU
Clothes Washer	Electrolux	EWF9043BDWA
Air Conditioner	Rinnai	RINV51RHDRC/ RINV51RCMPC
Household Refrigerator	Westinghouse	WCM5000WD
Household Refrigerator	Haier	HFZ-175
Dishwasher	Bosch	SMP66MX02A
Gas Water Heater	Thermann	TH32ECR6N
Air Conditioner	Esatto	ESAC50RC
Air Conditioner	APAC	HSNAP70
Gas Water Heater	Thermann	170THMB4N
Gas Water Heater	Rinnai	REU-KM2635WD-AK
Air Conditioner	Scandia	SG010400003
Dishwasher	Fisher & Paykel	DD60DDFB9
Gas Water Heater	Dux Prodigy	135DB5N
Clothes Dryer	Asko	T410HD.W
Air Conditioner	Euromatic	A018D-12C
Air Conditioner	Click	PA0702
Air Conditioner	Omega Altise	OAPC10
Air Conditioner	Polo	EX10C
Computer	Lenovo	FOEM0013AU
Computer	Acer	C27-962
Computer	HP	TPC-Q069-24 (24-df0201a)
Computer	MSI	Cubi 5
Computer	Apple	A2115
Computer	Kogan	KAL14N300HC
Computer	Samsung	SM-W767
Computer	One Education	A03
Computer	Aorus	RC47*, Aorus 7*
Computer	Infinity	O5-10R6-788
Household Refrigerator	Fisher & Paykel	RC519
Clothes Washer	Fisher & Paykel	WH1260F1
Household Refrigerator	Seiki	SC-239AU7TMF
External Power Supply	Delta	ADP-65JH HB
External Power Supply	Teka	TEKA024-1202000AU
External Power Supply	Chicony POWER TECHNOLOGY	A17-180P4A
External Power Supply	E-Tek	ZD36W420070
External Power Supply	Epson	A461H
External Power Supply	Google	W18-015N1D
External Power Supply	Netgear	AD2071100
External Power Supply	Nikon	EH-5d

External Power Supply	Shiro	ZZU1001-100095-2N (AD95)
Air Conditioner	Germanica	GPA38KW
Air Conditioner	Mistral	MA02016KRY30
Air Conditioner	LG	NHXM20S2A2 / UHXM55MA1
Electric Motor	GUANGLU	YX3-160M2-2
Electric Motor	LA	YE3-160M2-2
Clothes Dryer	Fisher & Paykel	DH8060P1
Clothes Dryer	Kogan	KAG8PUMPDYA
Clothes Dryer	Solt	GGSVDE45W
Electric Water Heater	Aquamax	991050Vx
Clothes Washer	LG	WV5-1275W
Clothes Washer	Hisense	HWGE9014
External Power Supply	Sagean	XKD-C1600IC7.5-12W
Electric Water Heater	Rinnai	EHFA315S48H
Electric Motor	SEW-EURODRIVE	EDRE132M4
Electric Motor	Teco	Te3 7.5kW-4 pole-D132M
Clothes Dryer	Haier	HDV50E1
Clothes Washer	AEG	LF8C8412A
Clothes Washer	Sharp	ES-A814FL-W
Electric Motor	EMTOMECC	HE132M6