# 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](http://www.energyrating.gov.au/document/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 *GEMS Act 2012* |
| Date Cancelled | 17November 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 *GEMS Act 2012* |
| Date Cancelled | 25August 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 *GEMS Act 2012* |
| Date Cancelled | 9December 2020 |
| Reason Cancelled | The unit failed on cooling capacity and heating capacity, which were both more than 10% below the rated values.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 *GEMS Act 2012*. 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. |

*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 *GEMS Act 2012.*  |
| Reason for undertaking | The non-compliance resulted from the installation of incorrect software on the unit. The registrant entered an agreement with the GEMS Regulator to: * 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.

Following this action the registration was not cancelled. |

## Monitoring and Enforcing Compliance

The GEMS Regulator reminds all suppliers of GEMS products of their obligations under the [GEMS Act 2012](https://www.legislation.gov.au/Details/C2018C00454). 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](http://www.energyrating.gov.au/document/gems-compliance-policy-e3-program), may be taken by the GEMS Regulator where contraventions of the GEMS Act are found. Further information is available at [energyrating.gov.au](http://www.energyrating.gov.au/suppliers/compliance).

## 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 | F0EM0013AU |
| 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 | Shriro | 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 | Sangean | 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 | EMTOMEC | HE132M6 |