**GEMS ACT COMPLIANCE:**

**CHECK TESTING RESULTS JANUARY TO JUNE 2018**

1. **Purpose**

This report presents the results of check tests of models of GEMS products finalised between 1 January 2018 and 30 June 2018.

1. **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).

1. **GEMS Products Check Tested**

Between 1 January 2018 and 30 June 2018 the GEMS Regulator finalised the check tests of 54 models of the following 11 GEMS products:

|  |  |
| --- | --- |
| **GEMS Product** | **No. Models** |
| Electric motors | 10 |
| Clothes washers | 9 |
| Dishwashers | 9 |
| Household refrigerators/ freezers | 8 |
| Air conditioners | 5 |
| Clothes dryers | 4 |
| Transformers and electronic step-down converters for ELV lamps | 3 |
| Incandescent lamps | 2 |
| Televisions | 2 |
| Electric storage water heaters | 1 |
| Gas storage water heaters | 1 |
| **Total** | **54** |

1. **Check Test Results**

Forty-eight of the 54 models (89%) met the relevant determination’s GEMS level requirements and the energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) check testing. Six models (11%) did not.

|  |  |  |
| --- | --- | --- |
| **GEMS Product** | **Stage 1 Pass** | **Stage 1 Fail** |
| Clothes dryers | 4 | 100% | 0 | 0% |
| Dishwashers | 9 | 100% | 0 | 0% |
| Electric motors | 10 | 100% | 0 | 0% |
| Gas storage water heaters | 1 | 100% | 0 | 0% |
| Household refrigerators/ freezers | 8 | 100% | 0 | 0% |
| Televisions | 2 | 100% | 0 | 0% |
| Clothes washers | 8 | 89% | 1 | 11% |
| Air conditioners | 4 | 80% | 1 | 20% |
| Transformers and electronic step-down converters for ELV lamps | 2 | 67% | 1 | 33% |
| Electric storage water heaters | 0 | 0% | 1 | 100% |
| Incandescent lamps | 0 | 0% | 2 | 100% |
| **Totals** | **48** | **89%** | **6** | **11%** |

In accordance with the GEMS Check Testing Policy, the registrants of the six models failing the Stage (1) check test were given the choice to arrange for Stage (2) check testing or elect to cancel the registration of the models.

The registrants of the electric storage water heater model and two incandescent lamp models chose to proceed to Stage (2) check testing where the models subsequently passed.

The registrant of one air conditioner model elected to cancel the model’s registration.

Given the transformer and electronic step-down converter for ELV lamps model was not registered at the time it was purchased for check testing, the manufacturer removed it from supply.

The details of the one clothes washer, which failed to meet water efficiency requirements, were referred to the WELS Regulator for further action.

Fifty one models (94%) therefore met the relevant GEMS level requirements and energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) and Stage (2) check testing. Three models (6%) did not.

Details of the 51 models that passed Stage (1) or Stage (2) check testing are included at Attachment “A”.

1. **GEMS Regulator Responses**

The registrant of the one air conditioner model elected to cancel their model’s registration.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Registration** | **Brand** | **Model** | **Date Cancelled** | **Registrant** | **Reason/s** |
| AAC1265 | Braemar | SDHF18C | 21/02/2018 | Seeley International PL | Failed to meet MEPS Cooling (AEER) at rated capacity |

1. **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/C2014C00303). 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 51 models that passed Stage (1) or Stage (2) check testing****.*

| **GEMS Product** | **Brand** | **Model Number** |
| --- | --- | --- |
| Air conditioners | Panasonic | S-100PE1R5A/U-100PE1R5A |
| Air conditioners | Braemar | SDHV16D1S/SCHV16D1S |
| Air conditioners | Teco | TWS37H3DVEM/TSO37H3DVEM |
| Air conditioners | MDV | WMVA-26/QD3GW |
| Clothes dryers | Fisher & Paykel | WD8560F1 |
| Clothes dryers | Haier | HDV60E1 |
| Clothes dryers | Baumatic | BD45KG |
| Clothes dryers | Gorenje | D9864E |
| Clothes washers | Fisher & Paykel | WD8560F1 |
| Clothes washers | Whirlpool | FSCR80410 |
| Clothes washers | Bosch | WAY32790AU (Item 19) |
| Clothes washers | Simpson | SWT9043 |
| Clothes washers | Samsung | WW75K5210WW |
| Clothes washers | Panasonic | NAFS85G3WAU |
| Clothes washers | AEG | LF8E8411A |
| Clothes washers | Omega | OWM75W |
| Dishwashers | Euroclean | ECGA1441 |
| Dishwashers | Asko | D5424SS |
| Dishwashers | Venini | VDW14S |
| Dishwashers | Kleenmaid | DW6021 |
| Dishwashers | Blanco | BDW8345X |
| Dishwashers | Technika | TDX6SS-5 |
| Dishwashers | Teco | TDW15SCG |
| Dishwashers | Arc | AD14S |
| Dishwashers | Emilia | EDW63SS |
| Electric motor | Mechtric | WE180M-2 |
| Electric motor | Marathon | HGA200LA-6 |
| Electric motor | Marathon | HGA160M-6 |
| Electric motors | Bonfiglioli | BE 132S 4 240/415-50 |
| Electric motors | Nord | GBN IE3 90SP |
| Electric motors | Marathon | HGA132M-8 |
| Electric motors | Elta | ELTA3110-44-HE |
| Electric motors | Teco | 5.5kW-4 Pole D132S-AEMB-AEMV |
| Electric motors | CEG | EA2M34001503 |
| Electric motors | Atlas Copco | 1092903659(YE3-132M-2) |
| Electric storage water heaters | Rinnai | HFE250SSL18 |
| Gas storage water heaters | Dux | 26ECB6N |
| Household refrigerator/ freezers | LG | GB-450UPLX |
| Household refrigerator/ freezers | Mitsubishi Electric | MR-420EK-ST-A |
| Household refrigerator/ freezers | Euro | E48FW |
| Household refrigerator/ freezers | Heller | FDHD22 |
| Household refrigerator/ freezers | Hisense | HR6TFF350 |
| Household refrigerator/ freezers | Haier | HRF520FS |
| Household refrigerator/ freezers | Samsung | SR471LSTC |
| Household refrigerator/ freezers | Westinghouse | WBB3700WG |
| Incandescent lamps | Lucci Shine | (SKU101415) Karbon Decorative ES G95 Globe |
| Incandescent lamps | Lucci Shine | (SKU101411) Karbon ES Clear Decorative Pilot |
| Televisions | Soniq | F60FV17A-AU |
| Televisions | TCL | 40D2900F |
| Transformers and electronic step-down converters for ELV lamps | Tridonic | Speedy TE-0070 |
| Transformers and electronic step-down converters for ELV lamps | Tridonic | TE-0105 |