

## Testing results for 2023/24:

# Air conditioners/heat pumps

Each year EECA (Energy Efficiency and Conservation Authority) conducts laboratory testing to make sure that manufacturers' and importers' products meet the requirements set out in the [Energy Efficiency \(Energy Using Products\) Regulations 2002](#).

Products are tested to check if they pass the Minimum Energy Performance Standards (MEPS) and Mandatory Energy Performance Label (MEPL) requirements set out in the Regulations.

Generally, 1 sample of each product is tested at 'Stage 1' and if this sample fails to meet its requirements for MEPS and/or MEPL a further 2 samples may be tested at 'Stage 2'.

This year, 8 different makes and models of air conditioners/heat pumps were tested to the AS/NZS 3823 standards by an independent accredited laboratory, in accordance with the above Regulations.

The results of these tests are summarised as follows:

Make and model (type)	Results and outcome
<b>Daikin: RXV46UVMA and FTXV46UVMA</b> (single-split)	The samples tested failed to meet the 'star rating' stated on the energy performance label.  The product was re-registered and all existing product stock was relabelled with a new compliant energy performance label.
<b>Haier: 1U35JACFRA and AS35FBBHRA</b> (single-split)	The sample tested at Stage 1 failed to satisfy MEPL requirements. The registrant was advised of this.
<b>Fujitsu: AOTG18KMC and ASTG18KMTC</b> (single-split)	Passed.
<b>Goldair: GCPAC350W</b> (unitary/portable)	The samples tested failed to satisfy MEPS and MEPL requirements to within the New Zealand acceptable tolerances.  EECA advised the supplier to cancel their product registration and cease all sales of the product.
<b>Kelvinator: KSD50HWJ</b> (single-split)	Passed.

<p><b>Midea: MFAB26NB and MFAB26WB</b> (single-split)</p>	<p>Passed.</p>
<p><b>Mitsubishi: MUZ-AP50VGD &amp; MSZ-AP50VGKD</b> (single-split)</p>	<p>The sample tested at Stage 1 failed to satisfy its MEPL requirements, but the model had already been discontinued and the last remaining unit in New Zealand was sold in December 2023.</p>
<p><b>Mitsu-Fuji: CSDH-09QA and CSDH-09K</b> (single-split)</p>	<p>This un-registered product was identified through market surveillance, and all samples tested failed to satisfy MEPS and MEPL requirements.</p> <p>The supplier was prosecuted and subsequently convicted for multiple breaches under the Regulations and is no longer allowed to sell the product in New Zealand.</p> <p>For more information on this see: <a href="#">EECA brings prosecution against air conditioner importer   EECA</a></p>

**NOTES:**

- *The outdoor and indoor units are often sold as a 'matched-pair', so some models have these parts listed separately for identification purposes.*
- *Where a product has failed to satisfy some or all of the MEPS or MEPL requirements set out in the Standard, EECA may decide to take further action, such as proceeding to Stage 2 testing and in some cases prosecution for an offence under the Regulations. However, not all situations will meet the evidentiary and public interest threshold necessary for EECA to seek prosecution for offences under the Regulations or require EECA to proceed to Stage 2 testing.*

For more information about EECA's check-testing programme see: [Compliance & monitoring | EECA](#)