**Date issued:** 19th of April 2023

**Freedom of Information Request** 61/23

We are writing in response to your Freedom of Information request. Your request has been considered in accordance with the requirements of the Freedom of Information Act and our Data and Information Management Policy.

**You asked for the following information:**

**What type of brakes do the class 231 DEMUs use. Like if they're dynamic, friction etc**

**RESPONSE**

The braking is predominantly electro-dynamic when the unit is travelling greater than 5mph. The traction motors effectively become generators and the electrical energy is burnt off as heat via a resistance bank mounted on the roof. Friction braking is then used to supplement the ED braking as required or when travelling below 5mph e.g. coming to a stand in a station.

We hope this information is of use to you.

Yours sincerely,

**Transport for Wales**

**Appeal Rights**

If you are unhappy with the way your request has been handled and wish to make a complaint or request a review of our decision, please write to the Head of Freedom of Information at either Transport for Wales, 3 Llys Cdwyn, Pontypridd, CF37 4TH or freedomofinformation@tfw.wales. Your request must be submitted within 40 working days of receipt of this letter. If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision.

The Information Commissioner (ICO) can be contacted at Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF or you can contact the ICO through the 'Make a Complaint' section of their website on this link: <https://ico.org.uk/make-a-complaint/>

The relevant section to select will be "Official or Public Information".