

Narita Express E259 New Railcar Outline

New Narita Express



The new E259 railcars will offer improved functions and superlative design and comfort, perfectly suitable for an airport access express.



Railcar image

Railcar specification

Type :	E259 series
Configuration :	6 cars (4M2T)
Car body :	aluminum alloy
Maximum speed :	130km/h
Control system :	VVVF inverter control system

Similar to the new E233 cars on the Chuo and Keihin Tohoku lines, the electric equipment, safety devices and other equipment in E259 railcars will be double systems, to ensure maximum reliability and dependability.

Comfort enhancement

- To reduce vibrations during movement, motion prevention equipment (active suspension) will be fitted to the end cars and between-car dampers will be installed in all cars, thereby greatly improving ride comfort. The same equipment is currently installed on Shinkansen Hayate trains.
- A new floor structure has further enhanced noise reduction.
- Seats will rotate and recline with a seat pitch of 1,020 mm (ordinary cars) and 1,160 mm (Green Cars) with large tables and near-seat electrical outlets, to provide more comfortable seating. (The usual seat pitch for express trains is 980 mm)
- Under-seat luggage storage will be available.

Adoption of universal design

- In addition to upgrading barrier-free facilities, information will be provided in ways that are easy to understand for non-Japanese-speaking passengers.
- Large toilets will benefit passengers using wheelchairs.
 - The difference between platform height and train floor level will be reduced, enabling easier luggage handling.
 - Information displays will be available in several languages.

Security upgrade

- Security cameras will be installed in entrances, exits and luggage spaces.
- Antitheft locks will be installed in luggage spaces near entrances and exits.
- Emergency call units enabling direct contact with train crews will be installed in each railcar.