

8600 Series Limited Express DC EMU for Shikoku Railway Company

After the 8600 Series limited express DC EMUs were put into service in the Takamatsug /T 0.022 Tc1

Introduction

Shikoku Railway Company had been planning to reorganize the rolling stock for the limited express service in the electrified section of the Yosan Line, which connects Takamatsu with Matsuyama, to only consist of EMUs in order to reduce costs and replace the aging Series 2000 limited express diesel railcars.

In addition, the company wanted to have the new cars serve as a guide for the limited express cars to be introduced in the future. For example, the company demanded that amenities such as cabins and sanitary facilities reflect passenger needs so that the new cars would set the standard for the future limited express service on the Yosan Line along with the conventional 8000 Series EMUs.

1 Train formation

In order to ensure finely tuned car scheduling according

Fig. 1 Green car cabin

(a) Color representing Kagawa

(b) Color representing Ehime

Fig. 2 Ordinary car cabin



(6) Bogies

Lightweight bolsterless bogies equipped with a carbody tilting system are used to ensure an operating speed of up to 130 km/h (maximum design speed: 140 km/h).

Conclusion

The order for the production of 8600 Series limited express DC EMUs was our first order from Shikoku Railway Company. We will endeavor to make the most of what we learned from the recent production of the EMUs so as to further increase orders from Shikoku Railway Company in the future.

Kazuyoshi Kitaya

Contact

Engineering Department,
Engineering Division,
Rolling Stock Company
Tel: +81-78-682-3143