

Air Circulation in Shinkansen Cars and Limited Express Cars on Conventional Lines

1. Overview

Generally speaking, it takes between six and eight minutes for air to circulate through the cars of Shinkansen trains and limited express trains on conventional lines.

2. Method

Fig. 1 Air circulation in Shinkansen cars (e.g. Series E5)

Some of the air being circulated through the air conditioning system has been drawn in from the outside via the ventilation system

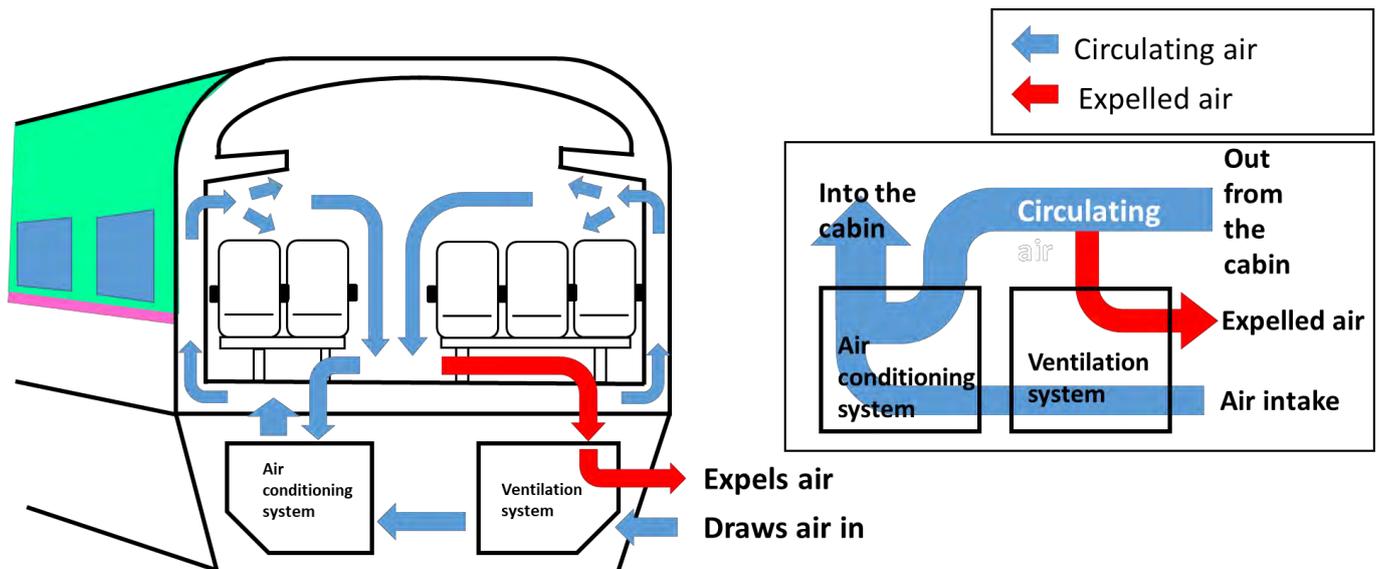


Fig. 2 Air circulation in limited express cars on conventional lines (e.g. Series E259)

As the air conditioning system circulates the air, it draws in air from outside the train and expels air from the train through the ventilation fans.

