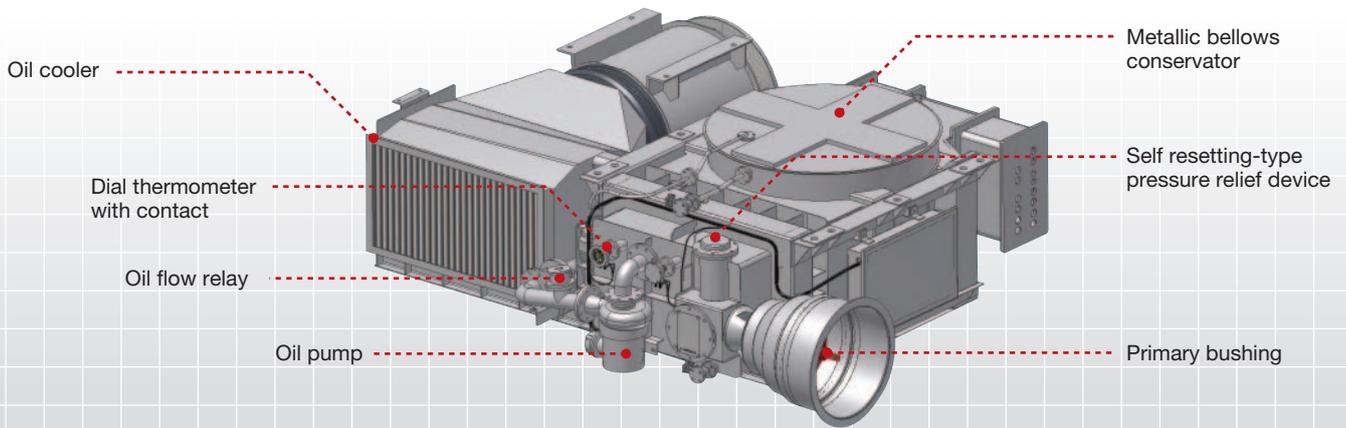




Traction Transformer

Shell-type Transformer

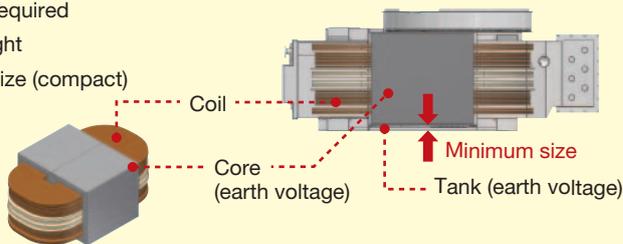


Shell Technology

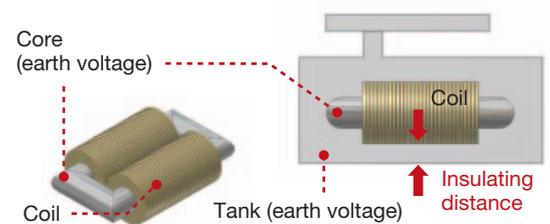
Shell form (form fit tank) ▶ Compact and lightweight

Shell (form fit tank) technology

- Less oil required
- Lightweight
- Smaller size (compact)



Core-type technology

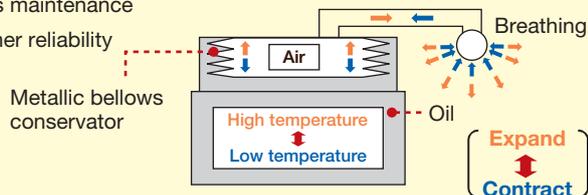


Oil Preservation System

metallic bellows sealing system

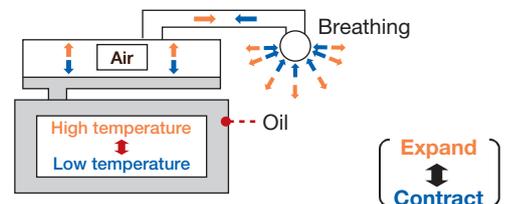
metallic bellows sealing system

- Less maintenance
- Higher reliability



Oil and atmosphere → No contact
Oil change → Not required

reather-type system



Oil and atmosphere → Contact
Oil change → Required

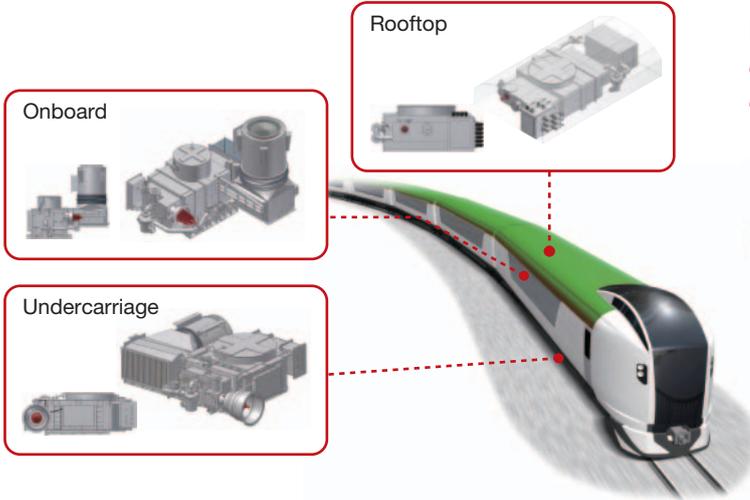
Wide Applications

Coordinated design with propulsion system

- Characteristics are suitable to PWM converter systems
- Design conforms to system requirements (with multiple secondaries, reactors, etc.)

Various mounting options

Allows mounting various configurations



Various insulating oils

Metallic bellows sealing allows compatibility with various insulating oils

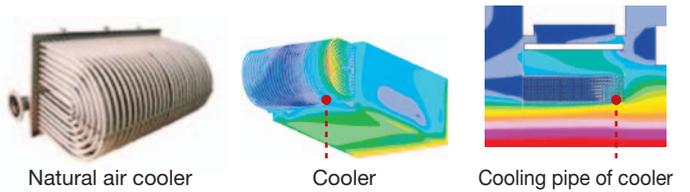
- Mineral oil
- Ester oil
- Silicon oil



- Prevents deterioration
- Allows stable insulation
- Prevents fire

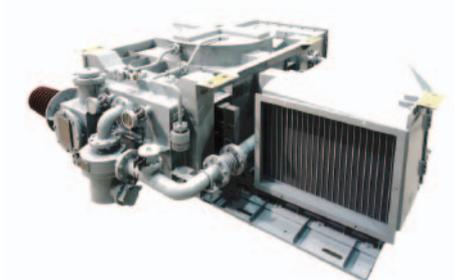
Natural air cooling

- Ensures low noise and easy maintenance
- Designed based on well-proven thermal simulation



Representative Products

For high speed railways



Rating : 4,160kVA, 25kV-60Hz

For locomotives



Rating : 3,490kVA, 20kV-50/60Hz

For EMUs (natural air cooling-type product)



Rating : 730kVA, 20kV-50Hz



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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