Traction Transformer

Eco Transformer

MELCO traction transformers are IRIS certified. (Category-4, power system)

Loss 50% reduction

Sound 13 dB reduction

LCC 70% reduction
Loss can be reduced by MELCO’s weight/size reduction technology.

- Fan power can be reduced to 0kW by applying natural air cooling system.
- Higher efficiency can be achieved by energy saving tech.

Sound power level can be reduced 13dB by applying natural air cooling system. (80dB → 67dB).

- Comfortable and quite space can be achieved by sound power level reduction, inside the cabin and at the platform.

LCC can be reduced by MELCO’s technical features.

- No maintenance of blower
- No cleaning of cooler
- No exchange of oil
- Less maintenance by high reliability and high quality

### Natural Air Cooling System

- **Design (Appearance)**
- **Energy saving**
- **Silent**
- **Lower LCC**

### Sound level

<table>
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<tr>
<th>dB(A)</th>
<th>Forced Air</th>
<th>Natural Air</th>
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<tbody>
<tr>
<td>90</td>
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- 13dB

### LCC for 35 years

- 70%