



TÜBİTAK

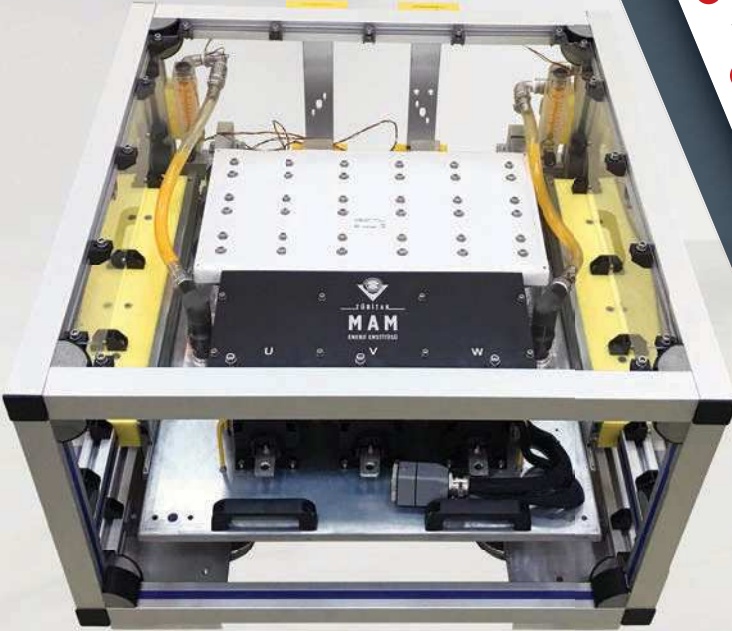
RUTE

TÜBİTAK
Rolling Stock Traction System
Power Platform/Diesel Electric Locomotive

TRACS-GP-M

FEATURES

- ✓ **Power**
200 kW
- ✓ **Input Voltage**
1500V DC
- ✓ **Output Voltage**
3 x 0-1050 V, 0-150 Hz
- ✓ **Nominal Output Current**
3 x 150 A
- ✓ **Dimensions (W X L x H)**
596 x 703 x 158 mm
- ✓ **Cooling**
Liquid Cooling
- ✓ **Weight**
38 kg



tracs
TÜBİTAK Rolling Stock
Traction System



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TRACS-GP-M

- ✓ **TÜBİTAK Rolling Stock Traction System – Power Platform / Diesel Electric Locomotive (TRACS-GP-M)**, are designed for diesel electric locomotives used in freight/-passanger trans- portation and shunting)
- ✓ **TRACS-GP-M**, consists of high efficiency motor drive and braking power electronic circuits.
- ✓ **TRACS-GP-M** and **TRACS-KP**, combines efficiency and performance with a vector-controlled motor drive system. The control system can respond dynamically to motor torque requests. Thus, the effect of slip/slide condition on the driving comfort can be eliminated.
- ✓ **TRACS-GP-M** has the principle of "maximum power in minimum space" which keeps compactness, reliability and long life criteria at the highest level.
- ✓ The laminated DC busbar structure of **TRACS-GP-M** is designed by the finite element method, cooled by liquid provided from cooling tower with power electronic circuits in order to ensure safe operation in all operating conditions.

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