

CLIMATIC TEST CAMPAIGN

IN GREENMOT HIGH POWER CLIMATIC TEST CELL

Test cell specifications

- **Dimension** : 18,5m (length) – 3,2m (width) – 4,5m (height)
- **Mechanical power** : **600kW** up to 1MW peak // **Direct connection** 4WD to 8WD vehicles
- **Thermal power** : **300kW at -30°C** with permanent Air motion // -46°C +55°C soak temperature range
- **Control mode** : All road cycles, constant torque or speed, control by **GREENMOT robot driver**
- **Solar simulation** : **1 200 W/m²** up to 18m length
- **Humidity** : 0% to 95%



ALREADY PROVIDED TESTS

↑
-46°C

Extreme cold conditions

- Cold start and drive
- Thermal comfort validation
- Heating performance (including electric vehicle)



Thermal power remaining
300kW

-30°C



Cold conditions operation

- -20°C Adblue defrosting
- Vehicle defrosting validation
- Complete truck ISC cycle (In Service Conformity) run at a permanent -20°C ambient temperature
- Transmission performance

Thermal power remaining
800kW

0°C

Hot conditions operation

- Thermal comfort validation
- Air conditioning performance

Climatic condition example :

- 43°C with controlled hygrometry
- Solar simulation up to 1 200W/m²
- PTO load possibility
- 2,2m/s Air motion

+55°C



Feel free to visit our website www.greenmot.com and [contact us](#) for further information.

Applications

Performance – Emission – Combined load & climatic - Automatic testing
Energy flow mapping– Engine mapping – Vehicle application – Traction control