

# Bavarian Engine System Tester 50 kW

## BEST - 50

### Technical data:

Rated power	50 kW
Rated speed	2.500 rpm
Max. speed	10.000 rpm
Rated torque	195 Nm
Max. torque	451.61 Nm
Motor	Asynchronous servo motor
Effective test set-up	No gear between the loading and test motor
Materials	Metal 5 copper rails for grounding with threaded inserts and wing bolts length of copper rails
Dimensions (L x W x H)	2.5 m x 1.2 m x 1.5 m
Height of tabletop plate	0.9 m
Height of motor-shaft above tabletop	310 mm
Voltage	400 VAC; 50 Hz / 60 Hz; 3-phase
Current consumption	max. 125 A
Required RCD	300 mA
Control cable	Fiber optic lines
Remote control via	LAN (TCP/IP)
Interference suppression	20 dB under limits DIN EN 55011/A11:2021-03 class B
Temperature working range	10°C – 35°C
Total weight	approx. 2000 kg
Accessories	Service manual Adapter for test motor on request Power supply cable

### Brief description

The **Bavarian Engine System Tester** is especially designed as freestanding test stand for installation in electromagnetic absorption chambers in combination with a CISPR test table for component testing according to DIN EN 55025:2018-03 (CISPR 25:2016 + COR1:2017). The table surface is a cross-slotted table for easy mounting of the test motors with a working surface of approx. 1.2 m x 1.2 m.

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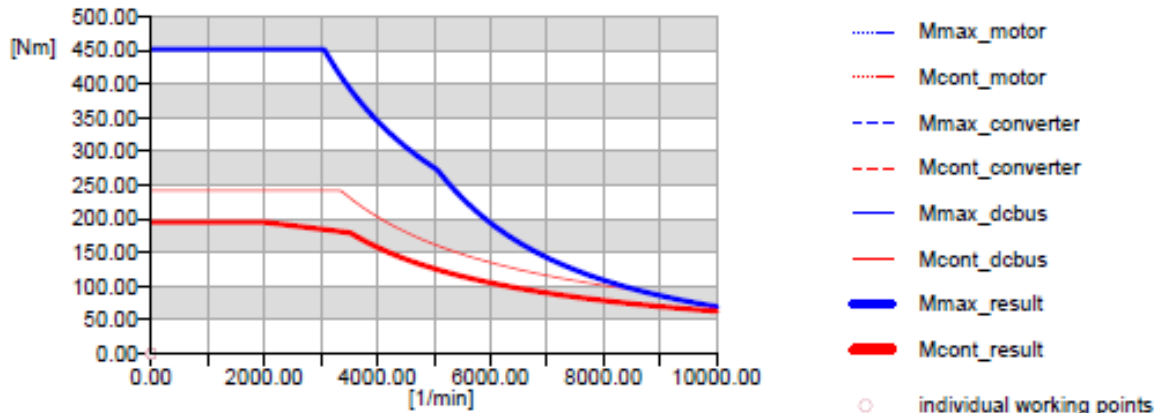
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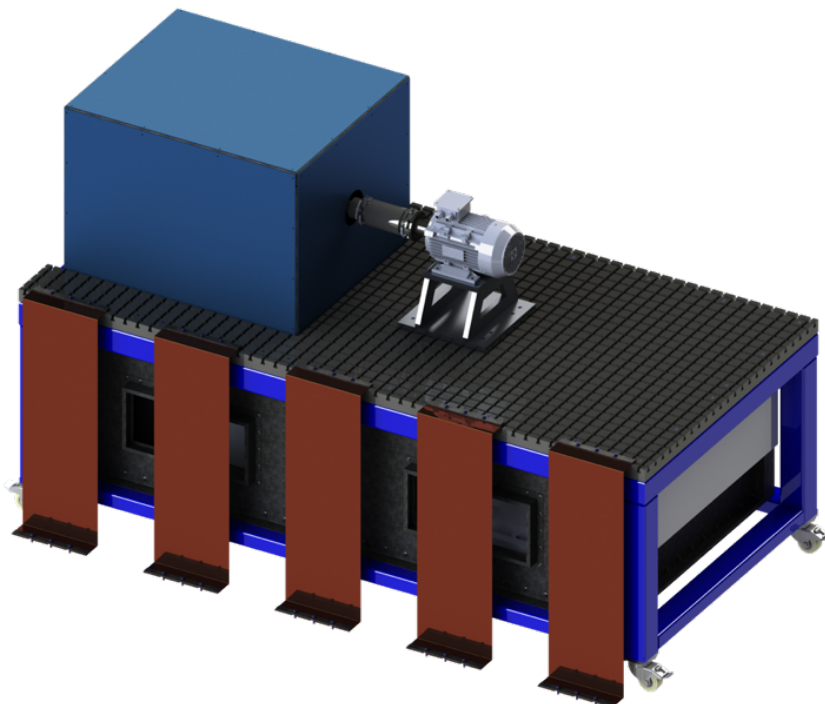
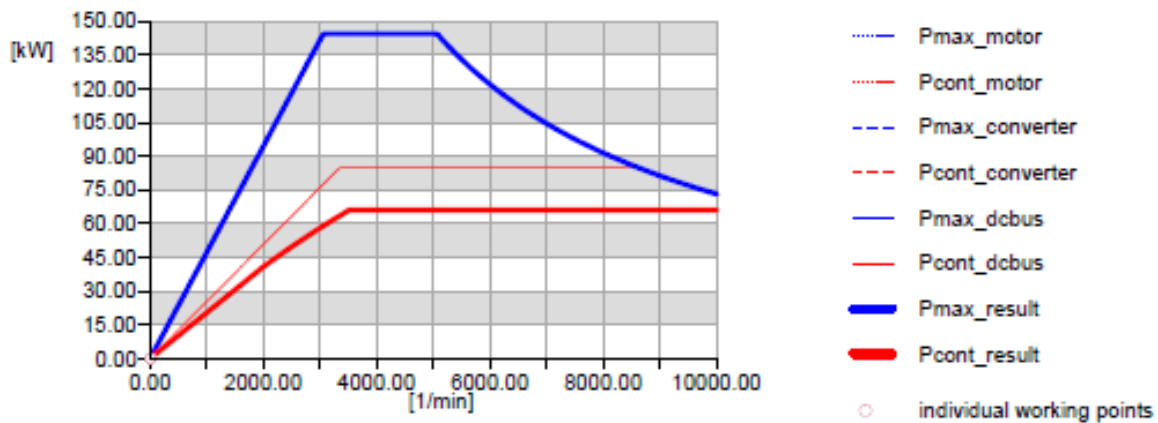
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## Characteristic motor diagrams:

speed - torque diagram



speed - power diagram



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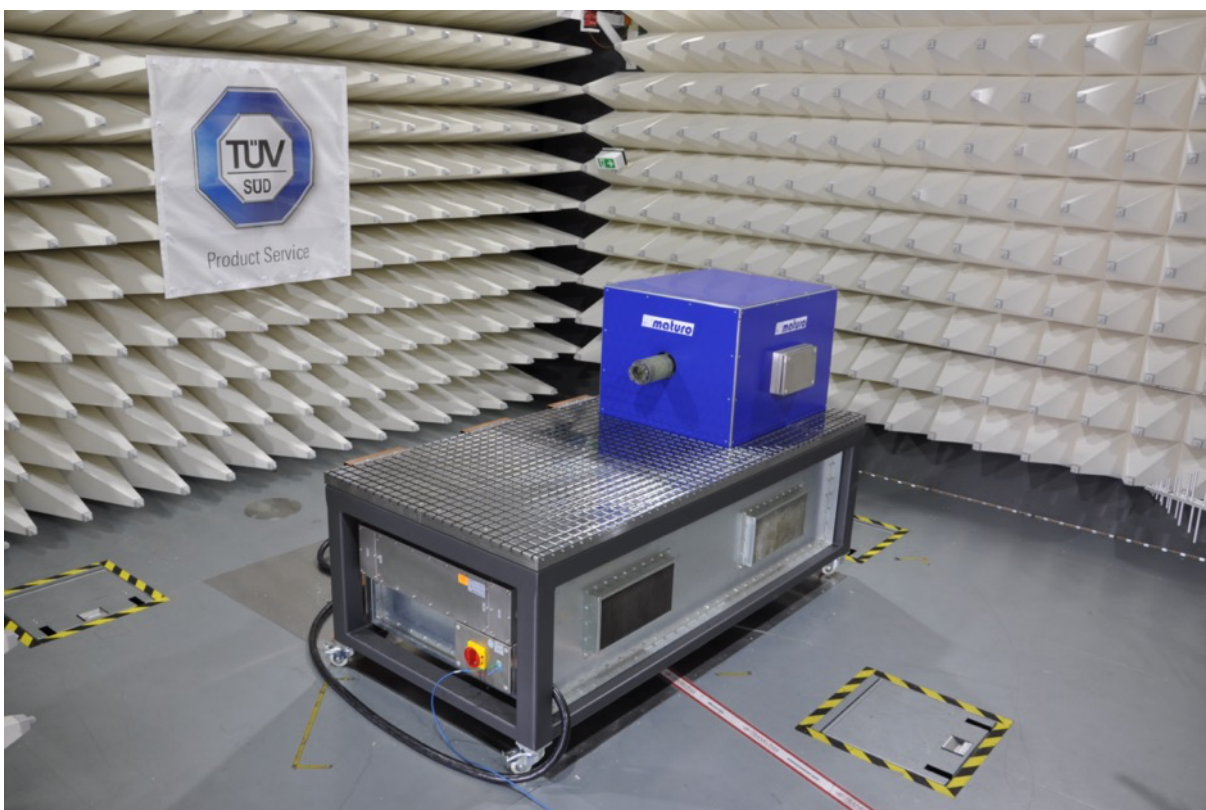
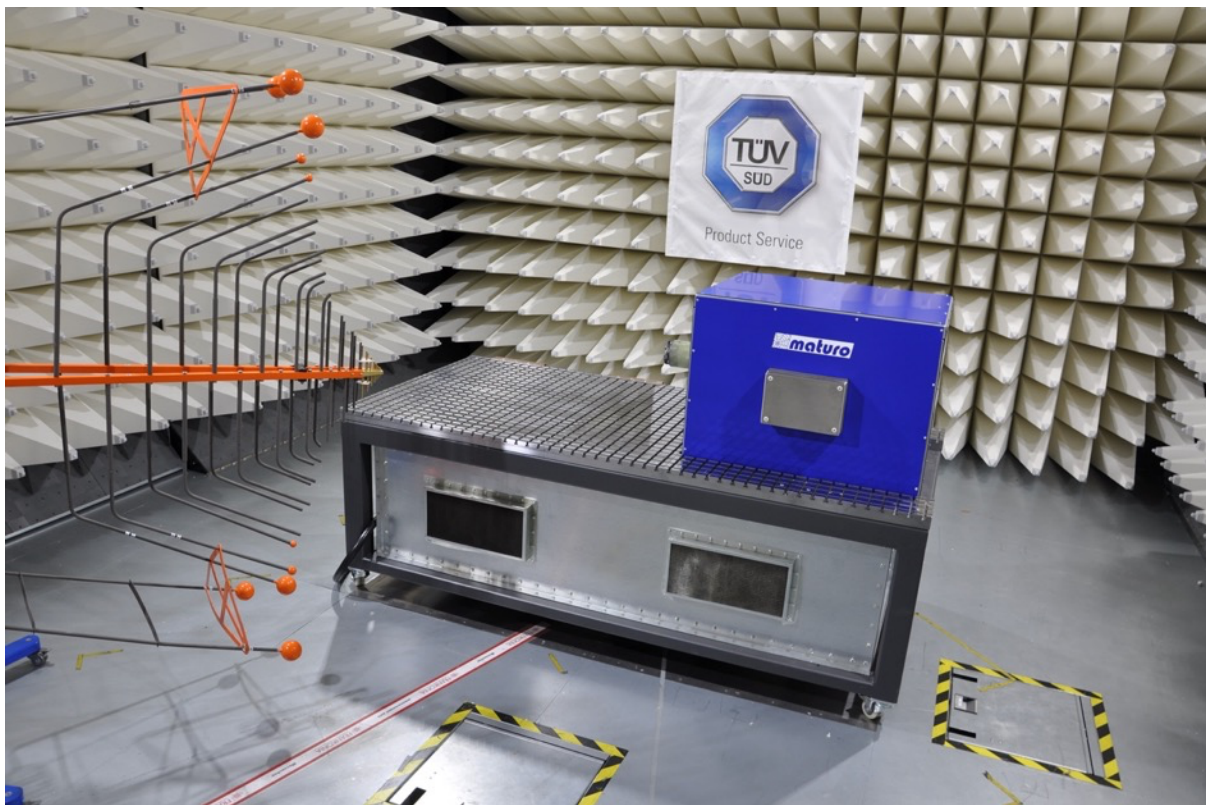


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Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.

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