

DLG TestService

DLG PowerMix – the practical efficiency test for tractors

BOOK
POWERMIX
NOW!



More relevance for research,
development and sales



MANUFACTURER PRODUCT

PowerMix

DLG Test Report 0000

- 14 test cycles for field and transport work
- Fuel consumption
- Performance
- Energy efficiency



dlg-testservice.com

TestService

Impress with performance – the DLG PowerMix for tractors

Efficiency is impressive when it can be measured. The DLG PowerMix provides independent, practical measurements of tractor performance, fuel consumption and energy efficiency. Fourteen standardised test cycles on the DLG chassis dynamometer reveal how machines perform under actual operating conditions. Reliable evidence for research and development, a strong argument for sales and marketing – and a clear advantage for customers.

Your advantages:

- Provide proof of efficiency – with neutral test results from practical application
- Increase sales opportunities – with the DLG APPROVED PowerMix label
- Strengthen competitive position – through transparent comparative data and close proximity to customers

DLG APPROVED PowerMix – Sales argument with quality guarantee

The test mark is awarded to tractors that successfully pass the PowerMix test.

- Benchmarking
- Strong position in the competitive environment
- High familiarity and credibility



Practice-oriented data for research and development

The DLG PowerMix provides reproducible results on performance, fuel consumption and energy efficiency under realistic conditions. This makes it a valuable tool for research and development, as well as a solid basis for product optimisation and comparative testing.

**All PowerMix
data sheets are
available at:**



©Werkbild AGCOValtra



©Werkbild Claas

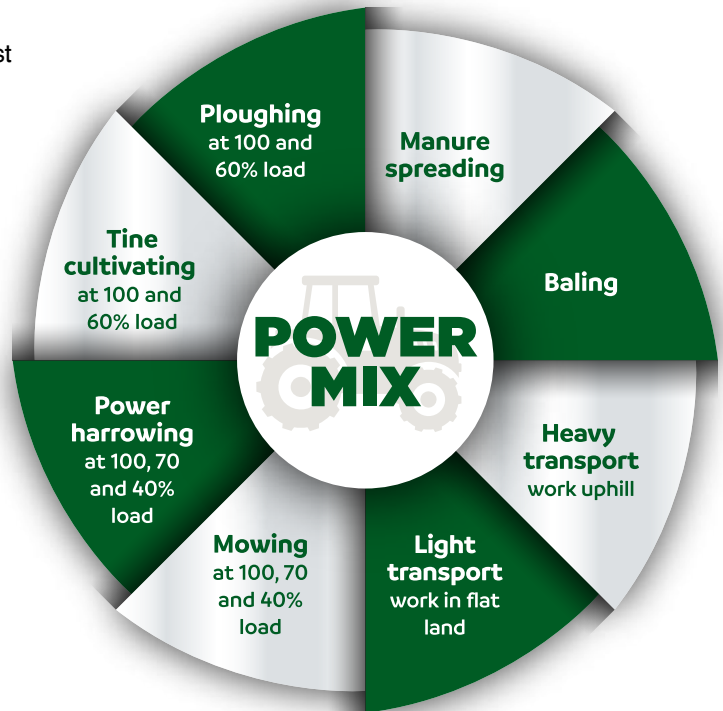


©Werkbild Straumann

Practical performance test

Based on typical workloads of a tractor in practice, the DLG Test Commission has defined 14 test cycles under which the fuel and AdBlue consumption, the performance and ultimately the energy efficiency of the overall vehicle are determined on the DLG chassis dynamometer.

The test cycles reflect typical field and transport work in both the partial and the full-load range. Exclusive pulling work, e.g. with a plough or cultivator, is carried out realistically and matched to the respective machine output, as well as mixed work that loads the PTO shaft and the hydraulic system in addition to the power take-off. Heavy and light transport work is also simulated in order to test efficiency on the road, enabling an overall profile of the energy efficiency of tractors in practical use under reproducible conditions.



NEW: Alternative fuels such as HVO (Hydrotreated Vegetable Oil) can also be tested.

DLG chassis dynamometer – precise testing under actual conditions

The DLG chassis dynamometer with a roller diameter of 2 metres offers practical, precise, reproducible tests for agricultural machinery and commercial vehicles.

Whether high drive torques at low speeds or various climate scenarios – realistic operating conditions can be simulated and precisely repeated in a controlled manner on the DLG dynamometer.

This provides you with reliable results that make on-road or off-road driving tests efficient, safe and comparable.



To the PowerMix-Video:

You have the technology. We deliver the proof.

Information:



Your contact:

Martin Hanstein

Head of Performance Measurement and Chassis Dynamometer Department
DLG TestService GmbH
Standort Groß-Umstadt
tech@dlg.org | +49 69 24788-601

Further DLG TestService testing and service offers:

- Testing services in accordance with OECD Tractor Codes
- PTO power, pulling power, lifting forces, hydraulic power
- Testing of cabs and driver's cabs
- Homologation/type-approvals (EU, UN ECE, StVZO)
- Tyre tests for tractors and trailers
- Certification of lubricants, fuels and additives
- Vibration behaviour of seats for tractors and construction machinery
- Rear underrun protection devices for lorries and trailers
- Drive-by noise measurement, noise at the driver's ear
- Camera monitor systems
- Driver assistance systems
- Conformity assessments

DLG TestService GmbH is one of the leading international test and certification organisations for tractors, agricultural machinery and farm inputs. Our tests are based on the recognised DLG standards supplemented by comprehensive quality assurance in accordance with national and international standards. Our practical test methods are developed and continuously evolved by neutral expert committees. In addition to standardised test methods, we also offer bespoke tests for research and development as well as individual customer solutions. DLG TestService GmbH is an accredited and designated organisation that stands for independent quality in testing and certification services.

An overview of all accreditations and designations can be found at:



DLG TestService GmbH
Location Groß-Umstadt

Max-Eyth-Weg 1 · 64823 Groß-Umstadt · Germany
Tel. +49 69 24788-600
tech@dlg.org · dlg-testservice.com