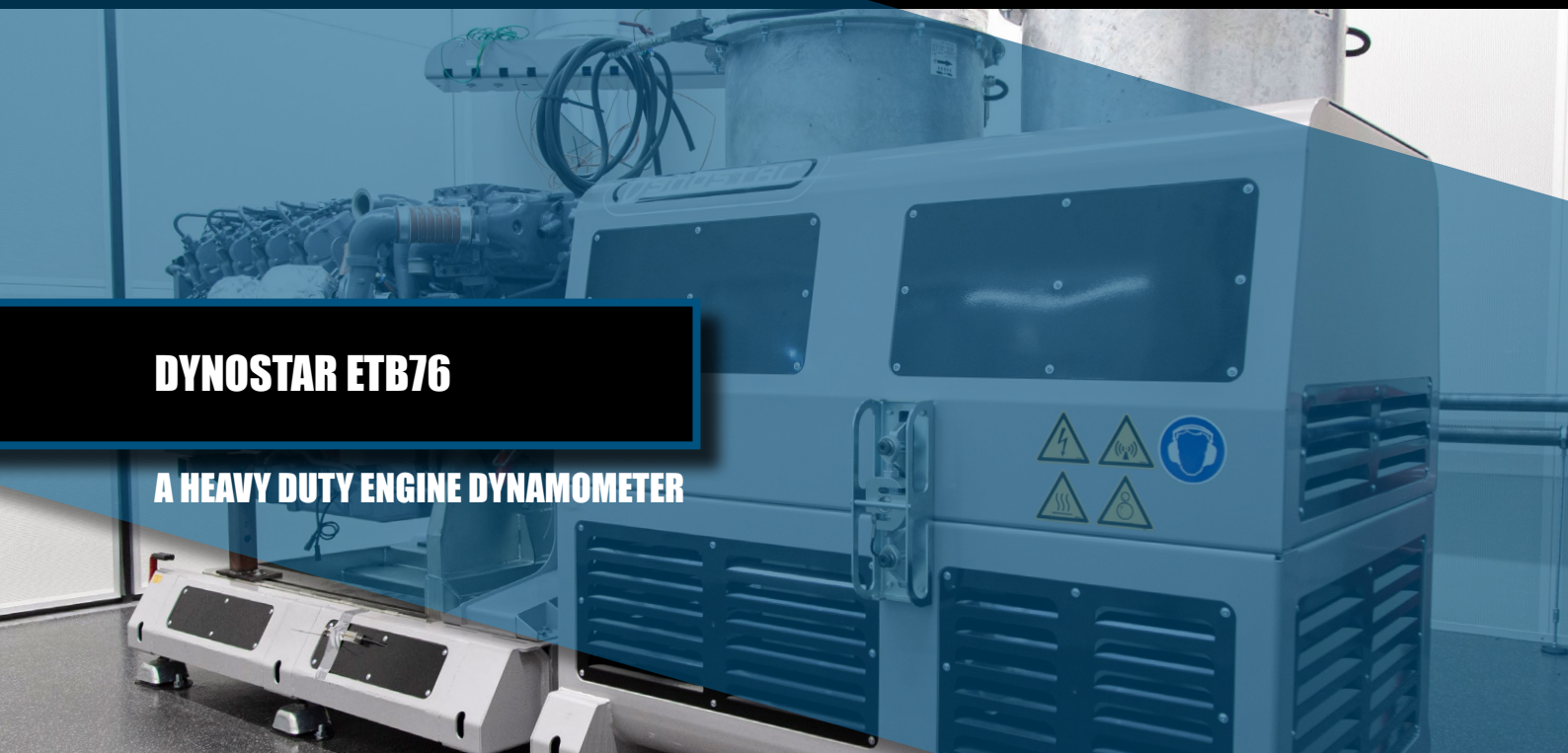




DYNOSTAR ETB76

A HEAVY DUTY ENGINE DYNAMOMETER



DYNOSTAR ETB76



This heavy duty model ETB76, is a powerful industrial engine dynamometer suited for all engines in the industry. Built for the most demanding, high power, high speed, superior materials and quality. With various options such as testing engine performance, development and tuning. This versatile dyno is an asset for your workshop. Everything is fitted inside a very robust and sturdy chassis with all rotating dyno parts well balanced.

The maximum power to be absorbed is 1250 kW and the maximum rpm of the dynamometer is 5000 rpm. This makes the dynamometer ideal for testing high revving engines.

The Dynostar ETB76 will be delivered with an integrated cooling system for the retarders. All to make sure the dyno can deliver the performance that it is meant for. Equipped with a stand alone engine testbed and separate engine mounting pallet, engines can be assembled outside the test cell and fitted easily into the engine testbed.

Based on the Dynostar philosophy of quality, durability and ease of use, the ETB500 is fully designed and developed in-house using a 3D CAD and advanced laser alignment equipment, with a motivated team of professionals a product of high-quality can be guaranteed.

Standard hardware features:

- DAS Data Acquisition System
- Dyno Software Package
- Junction Box inc. 37-pin cable (length 7.5 m)
- 12-pin cable (length 2 m)
- Linear motor to control throttle valve
- Calibration weight
- Remote control
- Operating instructions
- CE marking
- Universal coupling

Standard software features:

- Static power measurement
- Weather station
- Power correction to DIN standard
- Real time display of engine speed, power and torque
- Automatic and semi-automatic test cycles
- Long-term test
- Datalogging system, read-out facilities for several sensors
- Option of entering original power graph manually as reference



Technical specifications:

Engine testbed:

- | | |
|---------------------------------|---------------------------|
| - Weight: | 1950 [kg] |
| - Dimensions (lwxhxh): | 3,5 x 1,2 x 1,4 [m] |
| - Power requirements: | 3 x 400 [V] + N + PE, 32A |
| - Max consumed current | 45 [A] |
| - Max. RPM: | 5000 |
| - Total inertia: | 10,6 [kgm ²] |
| - Max. static power cold: | 1250 [kW] |
| - Max. static power continuous: | 650 [kW] |
| - Max. torque cold: | 7600 [Nm] |
| - Max. torque continuous: | 2900 [Nm] |

Cooling systems:

- | | |
|-------------------------|---------------------------|
| - Fan/duct: | 2 x 560 [mm] |
| - Max. air flow: | 50580 [m ³ /h] |
| - Max. power output: | 15kW (2 x 7.5 kW) |
| - Power requirements: | 400 [V] |
| - Frequency controller: | Yes |

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On pole position