

	Model : 4M10G100/6	Date : 31/08/21
	PowerKit Engine Exhaust Gas Emissions Test Report	

Engine Basic data

Engine model 4M10G100/6
 Max Rated Power of Engine on Test Bench at 1500 Rpm @ kWm..... 115
 N° of Cylinders / Valves 4 / 8
 Cylinders arrangement In line
 Displacement (L) 4.087
 Thermodynamic Cycle Diesel 4 stroke
 Cooling System Liquid (water + 50% antifreeze)
 Injection System Direct
 Fuel System Mechanical Pump
 Aspiration Turbocharged and Aftercooled
 Fuel type Diesel

Test information

Test Date..... 01/05/21
 Test Procedure..... GB 20891*

Measured data

NOx (gr/kWh) **8,30**
NOx (mgr/Nm³) ^ **557,60**
PM (gr/kWh)..... **0,090**
PM (mgr/Nm³) ^ **6,05**
CO (gr/kWh)..... **0,49**
CO (mgr/Nm³) ^ **32,92**
HC (gr/kWh)..... **0,170**
HC (mgr/Nm³) ^..... **11,42**

* Limits and measurement methods for exhaust pollutants from diesel engines of non-road mobile machinery

^ The indicated data in mgr/Nm³ is for reference only and it was obtained using the following formula :
 $\text{mgr/Nm}^3 = \text{emission gr/kWh} \times \text{max engine power in kWm} / \text{exhaust flow in m}^3/\text{h} \times 1000$