

	Model : <b>4M10G110/5</b>	Date : 31/08/21
	<b>PowerKit Engine Exhaust Gas Emissions Test Report</b>	

### Engine Basic data

Engine model ..... 4M10G110/5  
 Max Rated Power of Engine on Test Bench at 1500 Rpm @ kWm..... 100  
 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) ..... **8,45**  
**NOx** (mgr/Nm<sup>3</sup>) ^ ..... **651,10**  
**PM** (gr/kWh)..... **0,092**  
**PM** (mgr/Nm<sup>3</sup>) ^ ..... **7,09**  
**CO** (gr/kWh)..... **0,62**  
**CO** (mgr/Nm<sup>3</sup>) ^ ..... **47,77**  
**HC** (gr/kWh)..... **0,210**  
**HC** (mgr/Nm<sup>3</sup>) ^..... **16,18**

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

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