

	Model : <b>20M33G2250/5</b>	Date : 31/08/21
	<b>PowerKit Engine Exhaust Gas Emissions Test Report</b>	

### Engine Basic data

Engine model ..... 20M33G2250/5  
 Max Rated Power of Engine on Test Bench at 1500 Rpm @ kWm..... 2020  
 N° of Cylinders / Valves ..... 20/80  
 Cylinders arrangement ..... At Vee  
 Displacement (L) ..... 65.4  
 Thermodynamic Cycle ..... Diesel 4 stroke  
 Cooling System ..... Liquid (water + 50% antifreeze)  
 Injection System ..... Direct  
 Fuel System ..... High Pressure Common Rail  
 Aspiration ..... Turbocharged and Aftercooled  
 Fuel type ..... Diesel

### Test information

Test Date..... 25/12/20  
 Test Procedure..... GB 20891\*

### Measured data

**NOx** (gr/kWh) ..... **21,25**  
**NOx** (mgr/Nm<sup>3</sup>) ^ ..... **1561,34**  
**PM** (gr/kWh)..... **0,026**  
**PM** (mgr/Nm<sup>3</sup>) ^ ..... **1,91**  
**CO** (gr/kWh)..... **0,49**  
**CO** (mgr/Nm<sup>3</sup>) ^ ..... **35,79**  
**HC** (gr/kWh)..... **0,080**  
**HC** (mgr/Nm<sup>3</sup>) ^..... **5,88**

\* 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 :  

$$\text{mgr/Nm}^3 = \text{emission gr/kWh} \times \text{max engine power in kWm} / \text{exhaust flow in m}^3/\text{h} \times 1000$$