

	Model : 20M33G2200/6	Date : 31/08/21
	PowerKit Engine Exhaust Gas Emissions Test Report	

Engine Basic data

Engine model 20M33G2200/6
 Max Rated Power of Engine on Test Bench at 1500 Rpm @ kWm..... 2420
 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) **17,65**
NOx (mgr/Nm³) ^ **1142,30**
PM (gr/kWh)..... **0,021**
PM (mgr/Nm³) ^ **1,36**
CO (gr/kWh)..... **0,41**
CO (mgr/Nm³) ^ **26,28**
HC (gr/kWh)..... **0,088**
HC (mgr/Nm³) ^..... **5,70**

* 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 :

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