



OECD approval number

2/1 799

Restricted Code

OECD approval date

10/12/1998

Make

Massey Ferguson

Model

4235

Type

4 WD

ABBE24ABXA - Emissions Compliant Engine

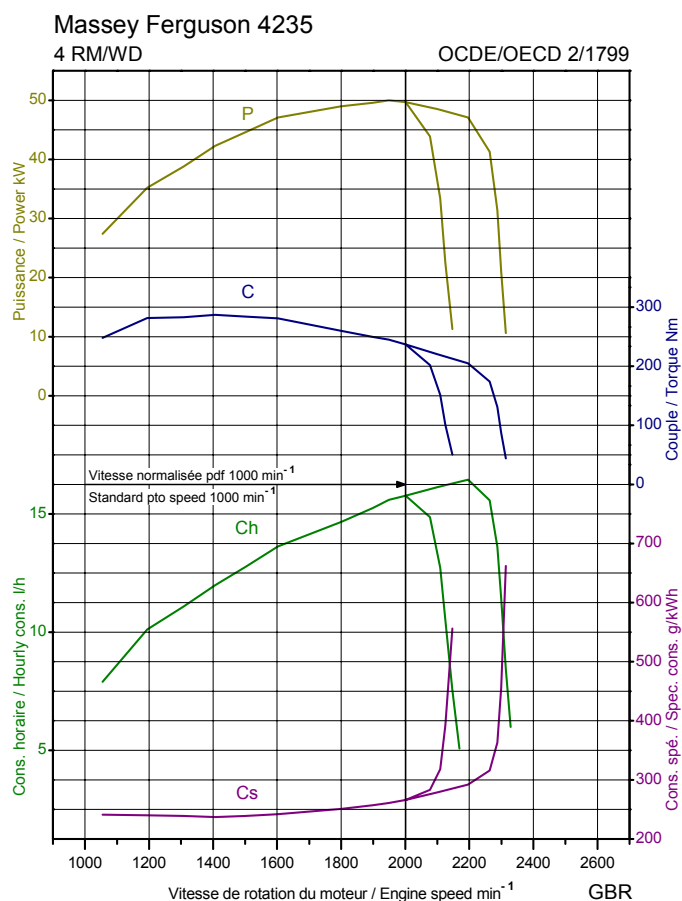
18 speeds - 40 km/h

Manufacturer

Agco Limited

Testing station:

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1004-40T
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3990 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	18	6
<i>Speed at rated engine speed</i>	from 2.18	to 41.53 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	625 min ⁻¹	1100 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	50.0 kW	1949 min ⁻¹	975 min ⁻¹
<i>Hourly and specific consumption</i>		15.60 l/h	261 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	47.1 kW	2196 min ⁻¹	1098 min ⁻¹
<i>Hourly and specific consumption</i>		16.45 l/h	292 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	49.7 kW	2001 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		15.78 l/h	266 g/kWh

Torque rise

		40.0 %
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<u>Maximum torque, Engine speed corresponding</u>	286.8 Nm	1407 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 R 24	18.4 R 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3713 kg	
<i>Maximum drawbar pull</i>	38.0 kN	Not
<i>at speed of</i>	1.97 km/h	required
<i>Maximum power</i>	41.0 kW	in
<i>at speed of</i>	5.21 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	27.2 l/min	20.3 MPa	9.2 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		23.4 kN	20.0 kN