



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 757

06/03/2013

MASSEY FERGUSON

7624

4WD

Mechanical Synchromesh - 40 km/h

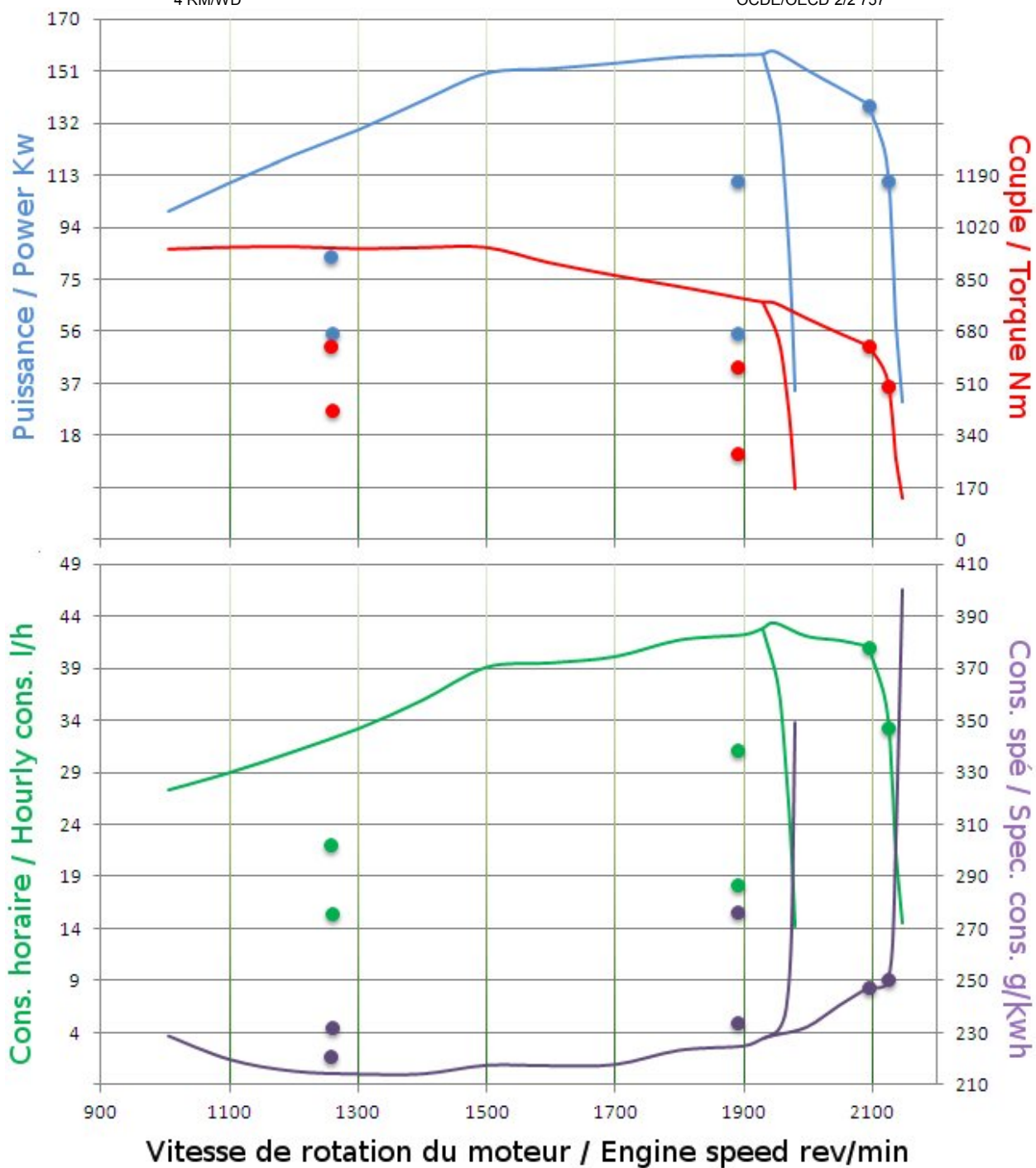
AGCO S.A.

IRSTEA – France

MASSEY FERGUSON 7624

4 RM/WD

OCDE/OECD 2/2 757



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	SISU AGCO POWER Inc	74 AWI 691
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7365 cm ³	Liquid
<i>Gear box</i>		Mechanical Synchromesh
<i>Number of forward and reverse speeds</i>	24	24
<i>Speed at rated engine speed</i>	from 1,62	to 40,00 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	594 min ⁻¹	1088 min ⁻¹
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	21

Power take-off Test

<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	157,9 kW	1949 min ⁻¹	1010 min ⁻¹
<i>Hourly and specific consumption</i>		43,29 l/h	229 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	138,7 kW	2096 min ⁻¹	1086 min ⁻¹
<i>Hourly and specific consumption</i>		41,04 l/h	247 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	156,9 kW	1930 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		42,77 l/h	228 g/kWh
<i>Torque rise</i>			51,5 %
<u>Maximum torque, Engine speed corresponding</u>		957,6 Nm	1199 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R30	650/65 R42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8685 kg	
<i>Maximum drawbar pull</i>	79,1 kN	
<i>at speed of</i>	1,50 km/h	Not
<i>Maximum power</i>	137,9 kW	Applicable
<i>at speed of</i>	9,48 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	98,3 l/min	13,2 MPa	21,7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	98,2 l/min	15,4 MPa	25,2 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		70,0 kN	60,8 kN