



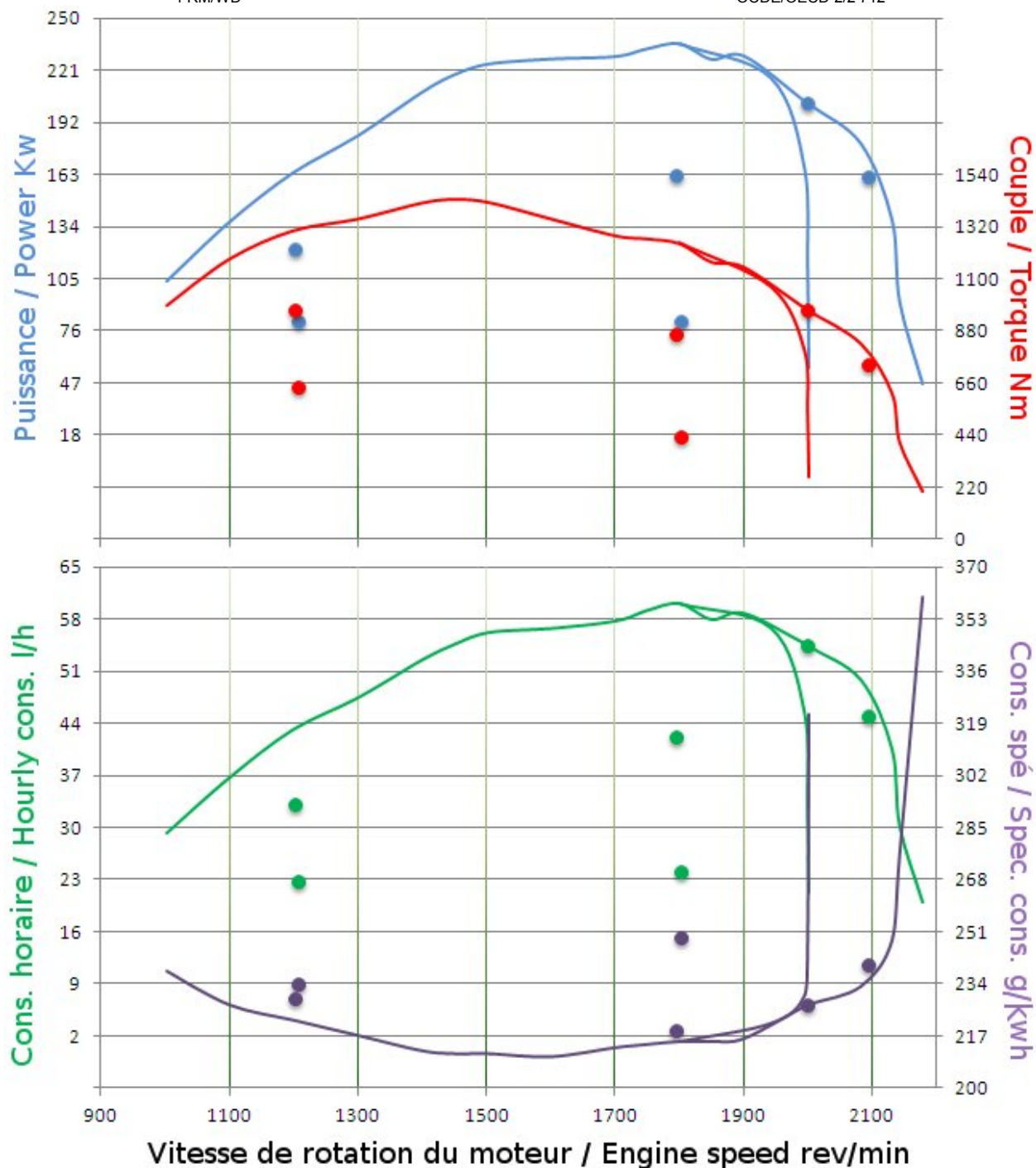
OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 712
26/07/2012
CASE IH
Magnum 315
4WD
Powershift - 40 km/h
CNH America, LLC
Nebraska Tractor Test Laboratory
Lincoln, Nebraska U.S.A.

CASE IH Magnum 315
4 RM/WD

OCDE/OECD 2/2 712



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FPT	Cursor 9L
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8704 cm ³	Liquid
<i>Gear box</i>		Powershift
<i>Number of forward and reverse speeds</i>	19	4
<i>Speed at rated engine speed</i>	from 3,15	to 45,75 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>	597 min ⁻¹	1109 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	44 mm
<i>Number of splines</i>	6	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	235,43 kW	1800 min ⁻¹	998 min ⁻¹
<i>Hourly and specific consumption</i>		59,99 l/h	215 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	202,42 kW	1999 min ⁻¹	1109 min ⁻¹
<i>Hourly and specific consumption</i>		54,44 l/h	227 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	235,43 kW	1800 min ⁻¹	998 min ⁻¹
<i>Hourly and specific consumption</i>		59,99 l/h	215 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1437 Nm	1450 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	420/90 R30	520/85 R42
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	12020 kg	15649 kg
<i>Maximum drawbar pull</i>	109,69 kN	154,16 kN
<i>at speed of</i>	5,09 km/h	3,53 km/h
<i>Maximum power</i>	203,77 kW	201,55 kW
<i>at speed of</i>	9,70 km/h	7,27 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	156,9 l/min	16,06 MPa	42,0 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	161,6 l/min	19,28 MPa	51,9 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		77,9 kN	63,4 kN