



OECD approval number

2/2 491

OECD approval date

01/07/2009

Make

Case IH

Model

Maxxum 100X

Type

4 WD

BEBC7B - 24 speeds - 40 km/h

Manufacturer:

CNH Europe Holding S.A.

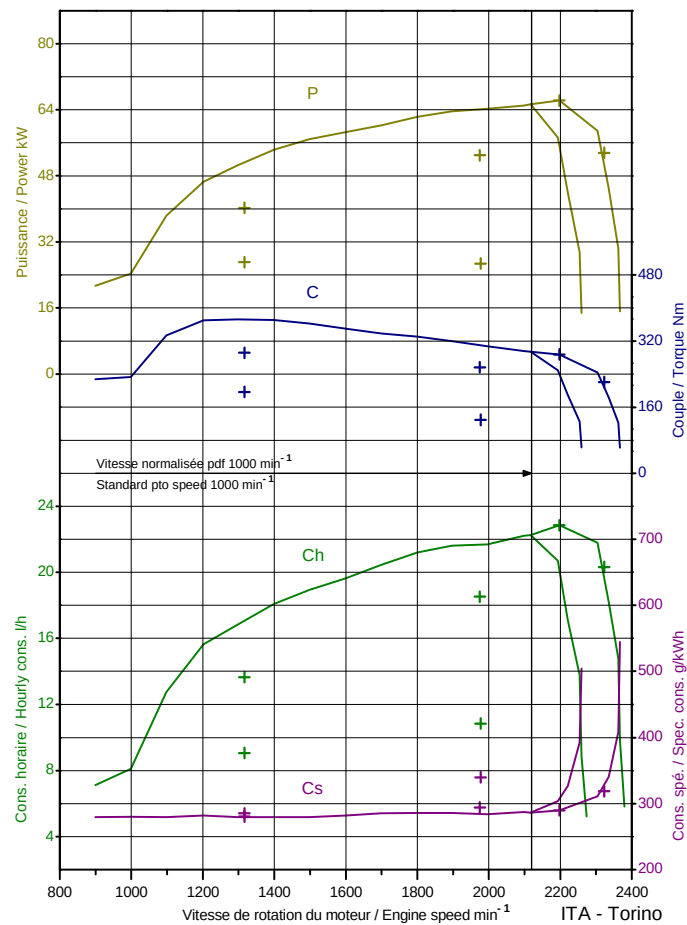
Testing station:

IMAMOTER, Torino, Italy

Case IH Maxxum 100X

4 RM/WD

OCDE/OECD 2/2491



Consiglio Nazionale delle Ricerche
IMAMOTER
 Istituto per le Macchine Agricole e Movimento Terra

Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	CNH	445TA/MMM
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4485 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	24	24
<i>Speed at rated engine speed</i>	from 1.85	to 41.80 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>	603 min ⁻¹	1038 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 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>	66.2 kW	2197 min ⁻¹	1037 min ⁻¹
<i>Hourly and specific consumption</i>		22.85 l/h	290 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	66.2 kW	2197 min ⁻¹	1037 min ⁻¹
<i>Hourly and specific consumption</i>		22.85 l/h	290 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	65.3 kW	2117 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		22.26 l/h	286 g/kWh

Torque rise

		29.3 %	
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Maximum torque, Engine speed corresponding

372.3 Nm	1297 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

480/65 R 28	600/65 R 38
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

5075 kg

Maximum drawbar pull

47.6 kN

at speed of

3.18 km/h

Not required

Maximum power

55.8 kW

at speed of

5.32 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	53.9 l/min	16.0 MPa	14.4 kW
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<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	55.8 l/min	16.5 MPa	15.3 kW
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Maximum lifting force*at the hitch points, at frame*

33.3 kN	25.7 kN
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