



OECD approval number

2/2 482

OECD approval date

17/06/2009

Make

Case IH

Model

Maxxum 120 Multicontroller

Type

4 WD

BEHCFC - 17 speeds - 40 km/h

Manufacturer:

CNH Europe Holding S.A.

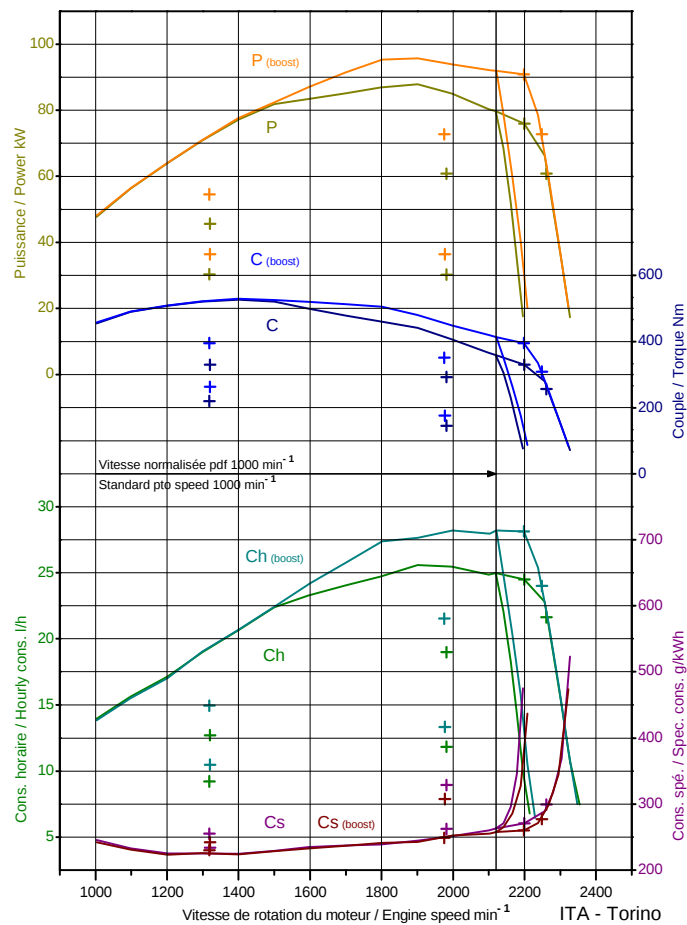
Testing station:

IMAMOTER, Torino, Italy

Case IH Maxxum 120 Multicontroller

4 RM/WD

OCDE/OECD 2/2482



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

Engine, Transmission, Power take-off Specifications

Make, Model	CNH	445TA/EGK
Type, Supercharging	Direct injection	Yes
Cylinders, Disposition	4	vertical in line
Capacity, Cooling	4485 cm ³	Liquid
Gear box		Mechanical powershift
Number of forward and reverse speeds	17	16
Speed at rated engine speed	from 2.27	to 38.14 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
Power take-off speed at rated engine speed	603 min ⁻¹	1038 min ⁻¹
Diameter of the shaft	35 mm	35 mm
Number of splines	6	21

Power take-off TestTwo hours test at maximum power

Power, Engine and Power take-off speed	87.9 kW	1901 min ⁻¹	897 min ⁻¹
Hourly and specific consumption		25.61 l/h	245 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	76.0 kW	2200 min ⁻¹	1038 min ⁻¹
Hourly and specific consumption		24.49 l/h	271 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	79.8 kW	2119 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		24.99 l/h	263 g/kWh

Torque rise

		59.7 %	
<u>Maximum torque, Engine speed corresponding</u>	526.7 Nm	1401 min ⁻¹	

Drawbar Test

Front tyres, Rear tyres

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

Total Mass

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Maximum drawbar pull

5655 kg

55.7 kN

Not

at speed of

2.13 km/h

required

Maximum power

74.2 kW

at speed of

7.67 km/h

Hydraulic Performance and Power Lift Test

Hydraulic system

Closed centre

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	94.4 l/min	17.0 MPa	26.7 kW
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Flow rate, Pressure, Power (couplers: 2 pairs or +)	100.2 l/min	17.0 MPa	28.4 kW
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Maximum lifting force

at the hitch points, at frame

43.3 kN

34.1 kN

