



OECD approval number

2/2 480

OECD approval date

05/06/2009

Make

Case IH

Model

Puma 115

Type

4 WD

BLKC7B - 18 speeds - Powershift - 40 km/h

Manufacturer:

CNH Europe Holding S.A.

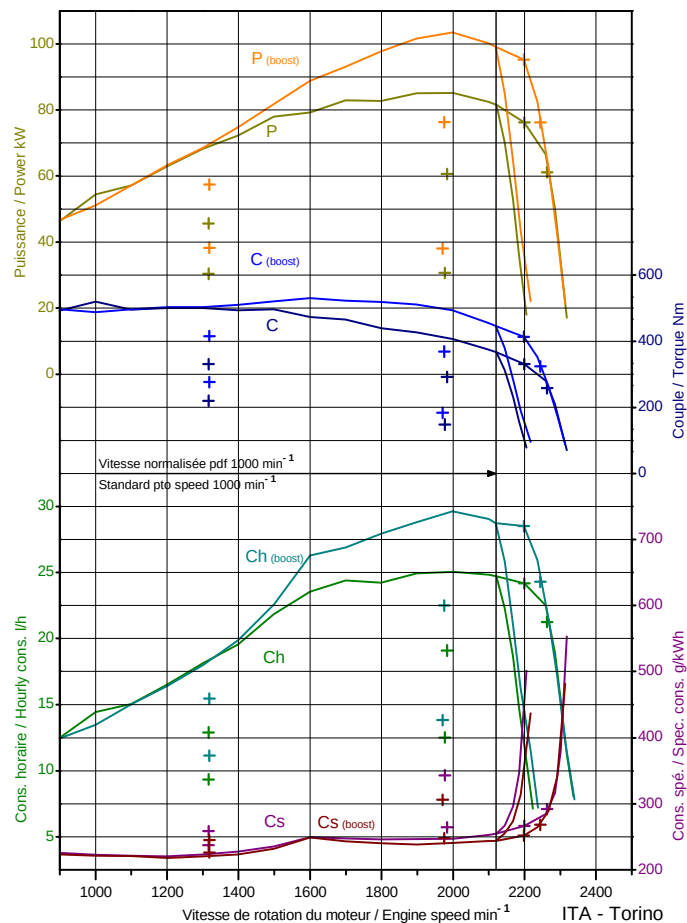
Testing station:

IMAMOTER, Torino, Italy

Case IH Puma 115

4 RM/WD

OCDE/OECD 2/2480



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

Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	CNH	667TA/EDF
<i>Type, Supercharging</i>	Driven Transfert Pump	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6728 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	18	6
<i>Speed at rated engine speed</i>	from 1.98	to 40.80 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>	85.2 kW	2000 min ⁻¹	944 min ⁻¹
<i>Hourly and specific consumption</i>		25.06 l/h	247 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	76.2 kW	2200 min ⁻¹	1038 min ⁻¹
<i>Hourly and specific consumption</i>		24.18 l/h	267 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	81.6 kW	2121 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		24.70 l/h	254 g/kWh

Torque rise

		57.2 %
<u>Maximum torque, Engine speed corresponding</u>	520.1 Nm	1000 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R 28	650/65 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6000 kg	
<i>Maximum drawbar pull</i>	54.1 kN	Not
<i>at speed of</i>	1.78 km/h	required
<i>Maximum power</i>	66.3 kW	
<i>at speed of</i>	5.75 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>	94.1 l/min	17.0 MPa	26.7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	96.7 l/min	19.0 MPa	30.6 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>	42.2 kN	35.2 kN	

