



OECD approval number

2/2 423

OECD approval date

06/08/2008

Make

Case IH

Model

Puma 180

Type

4 WD

BHHCFB - 40 km/h

Manufacturer:

CNH UK Limited

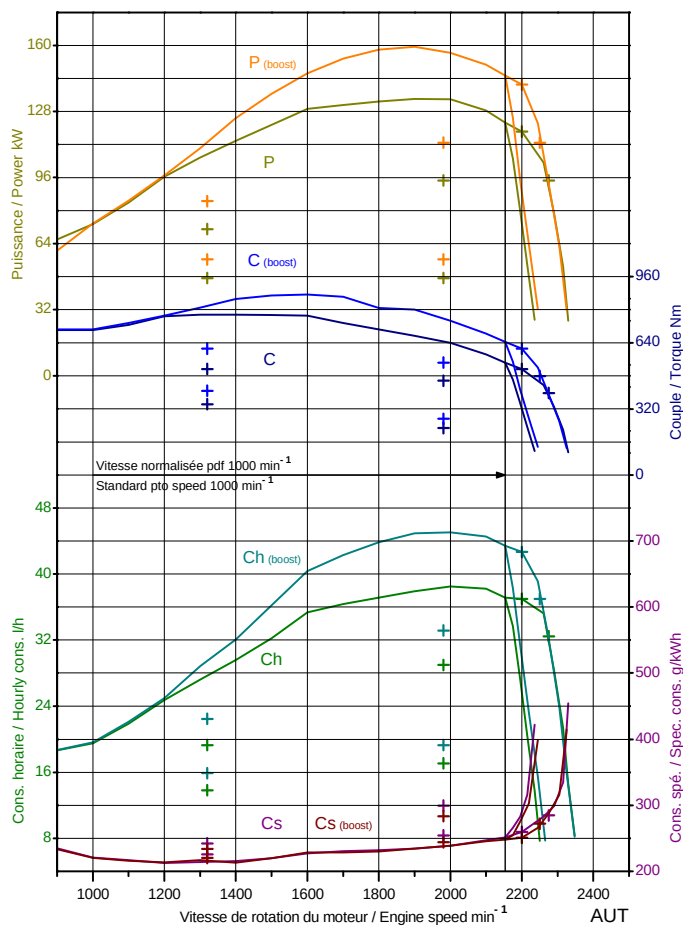
Testing station:

FJ-BLT, Wieselburg, Austria

Case IH Puma 180

4 RM/WD

OCDE/OECD 2/2423



**Engine, Transmission, Power take-off Specifications**

|                                                   |                       |                        |
|---------------------------------------------------|-----------------------|------------------------|
| <i>Make, Model</i>                                | CNH                   | 667TA/EBE              |
| <i>Type, Supercharging</i>                        | Direct injection      | Yes                    |
| <i>Cylinders, Disposition</i>                     | 6                     | vertical in line       |
| <i>Capacity, Cooling</i>                          | 6728 cm <sup>3</sup>  | Liquid                 |
| <i>Gear box</i>                                   |                       | Mechanical powershift  |
| <i>Number of forward and reverse speeds</i>       | 19                    | 6                      |
| <i>Speed at rated engine speed</i>                | from 1.94             | to 40.80 km/h          |
| <i>Standard Power take-off speed</i>              | 540 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Power take-off speed at rated engine speed</i> | 609 min <sup>-1</sup> | 1021 min <sup>-1</sup> |
| <i>Diameter of the shaft</i>                      | 34.9 mm               | 34.9 mm                |
| <i>Number of splines</i>                          | 6                     | 21                     |

**Power take-off Test**Two hours test at maximum power

|                                               |          |                        |                       |
|-----------------------------------------------|----------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 134.1 kW | 1900 min <sup>-1</sup> | 882 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 37.89 l/h              | 234 g/kWh             |

Test at maximum power at rated engine speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 118.3 kW | 2200 min <sup>-1</sup> | 1022 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 37.00 l/h              | 260 g/kWh              |

Test at standard Power take-off speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 122.6 kW | 2153 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 37.12 l/h              | 251 g/kWh              |

Torque rise

51.1 %

Maximum torque, Engine speed corresponding776.2 Nm 1400 min<sup>-1</sup>**Drawbar Test***Front tyres, Rear tyres*

600/65 R 28 710/70 R 38

Test with tractorunballasted ballasted*Total Mass*

7980 kg

*Maximum drawbar pull*

74.8 kN

Not

*at speed of*

4.37 km/h

required

*Maximum power*

111.2 kW

*at speed of*

6.60 km/h

**Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power (couplers: 1 pair)* 97.4 l/min 17.5 MPa 28.4 kW*Flow rate, Pressure, Power (couplers: 2 pairs or +)* 134.5 l/min 18.0 MPa 40.4 kWMaximum lifting force*at the hitch points, at frame*

50.6 kN 44.0 kN

