



OECD approval number

2/2 085

Restricted Code

OECD approval date

23/09/2003

Make

New Holland

Model

TM 120

Type

4 WD

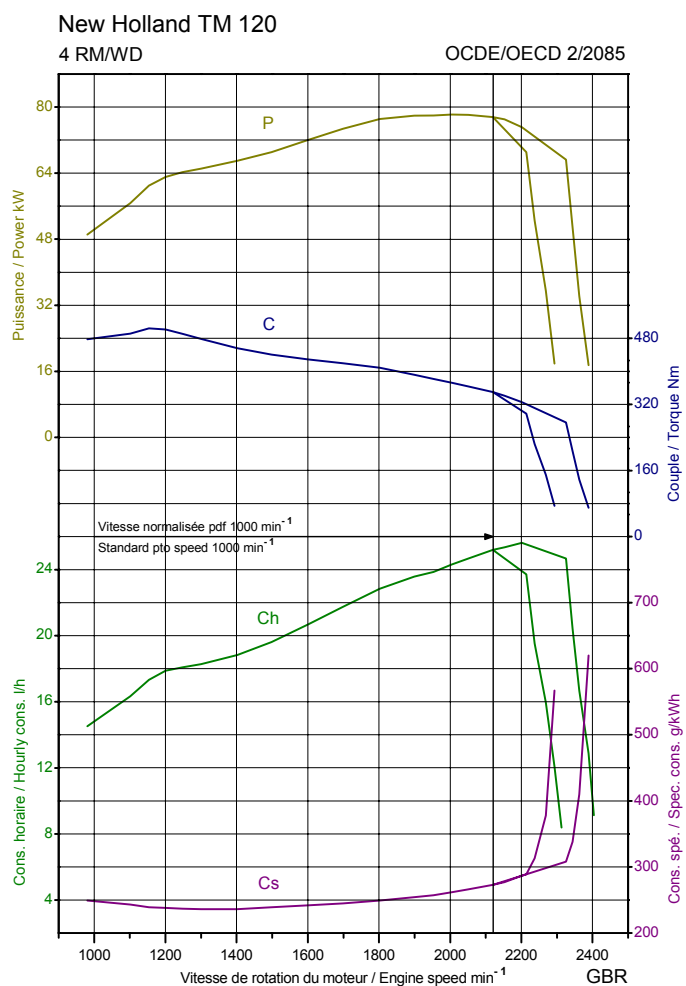
MAC7BE1 - 18 speeds Semi-Power Shift - 40 km/h

Manufacturer

CNH UK Limited

Testing station

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	CNH	675TA/HD
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7480 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 2.46	to 40.75 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	603 min ⁻¹	1038 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 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>	78.2 kW	2005 min ⁻¹	946 min ⁻¹
<i>Hourly and specific consumption</i>		24.32 l/h	262 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	75.1 kW	2202 min ⁻¹	1039 min ⁻¹
<i>Hourly and specific consumption</i>		25.63 l/h	287 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	77.6 kW	2120 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		25.20 l/h	273 g/kWh

Torque rise

55.0 %

Maximum torque, Engine speed corresponding504.7 Nm 1154 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

14.9 R 28 18.4 R 38

Test with tractorunballasted ballasted*Total Mass*

5366 kg

Maximum drawbar pull

54.8 kN

*at speed of*2.30 km/h *Not required**Maximum power*

66.0 kW

*at speed of*7.33 km/h *in Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	107.9 l/min	17.0 MPa	30.6 kW
-----------------------------------	-------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>		38.4 kN	33.3 kN
----------------------------------	--	---------	---------