



OECD approval number

1 697

OECD approval date

Restricted Code

27/10/1997

Make

New Holland

Model

M 100

Type

4 WD

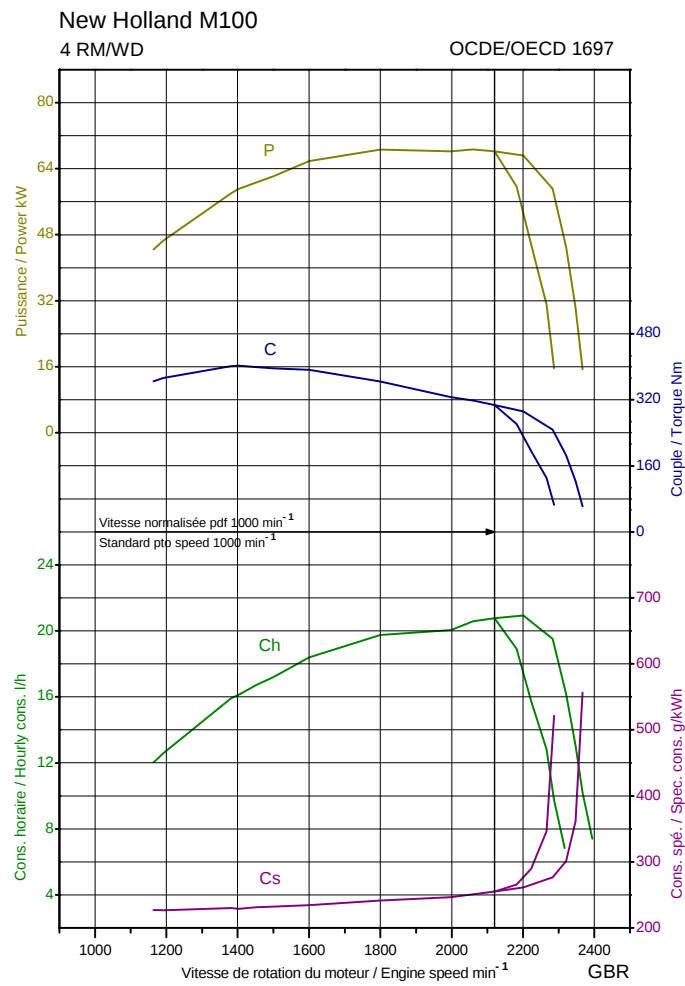
8160 - 24 speeds - 40 km/h

Manufacturer

New Holland UK Ltd.

Testing station:

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	675/TC
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7480 cm ³	Liquid
<i>Gear box</i>	Mechanical synchronized	
<i>Number of forward and reverse speeds</i>	24	12
<i>Speed at rated engine speed</i>	from 1.42	to 38.15 km/h
<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	603 min ⁻¹	1037 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>	68.7 kW	2060 min ⁻¹	972 min ⁻¹
<i>Hourly and specific consumption</i>		20.58 l/h	251 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	67.2 kW	2201 min ⁻¹	1038 min ⁻¹
<i>Hourly and specific consumption</i>		20.94 l/h	261 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	68.2 kW	2120 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		20.76 l/h	255 g/kWh

Torque rise

		38.1 %
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Maximum torque, Engine speed corresponding

402.6 Nm	1402 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 28	18.4 R 38
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Test with tractor

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

4902 kg

Maximum drawbar pull

48.1 kN

*at speed of*3.20 km/h *required**Maximum power*

57.9 kW

*at speed of*9.21 km/h *Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	53.2 l/min	16.0 MPa	14.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		32.4 kN	28.7 kN
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