



OECD approval number

1 721

Restricted Code

OECD approval date

18/12/1997

Make

New Holland

Model

M100

Type

4 WD

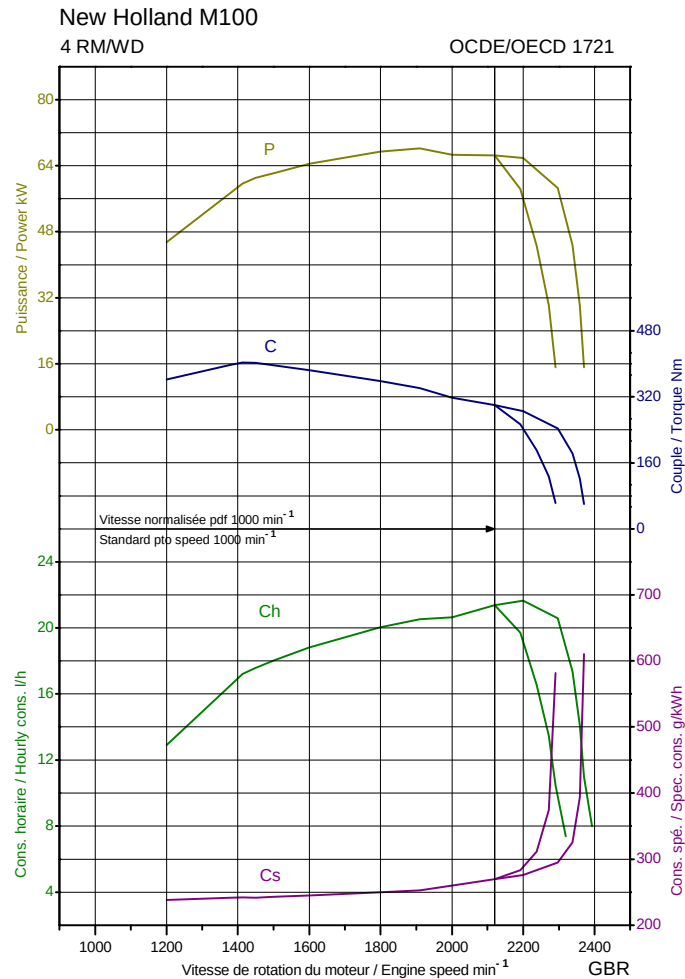
8160 - 23 speeds - 30 km/h

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>		23 12
<i>Speed at rated engine speed</i>		from 1.42 to 29.74 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} 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>	68.2 kW	1910 min^{-1}	901 min^{-1}
<i>Hourly and specific consumption</i>		20.53 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	65.9 kW	2200 min^{-1}	1038 min^{-1}
<i>Hourly and specific consumption</i>		21.66 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	66.5 kW	2120 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		21.40 l/h	270 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		403.4 Nm	1413 min^{-1}
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Drawbar Test*Front tyres, Rear tyres*

<i>Test with tractor</i>	14.9 R 28	18.4 R 38
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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Maximum drawbar pull

	5029 kg	
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at speed of

	48.5 kN	Not
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Maximum power

	2.68 km/h	required
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at speed of

	56.0 kW	in
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	8.51 km/h	Code 2
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	92.4 l/min	17.0 MPa	26.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		31.0 kN	29.0 kN
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