



OECD approval number

1 696

Restricted Code

OECD approval date

06/11/1997

Make

New Holland

Model

M 100

Type

4 WD

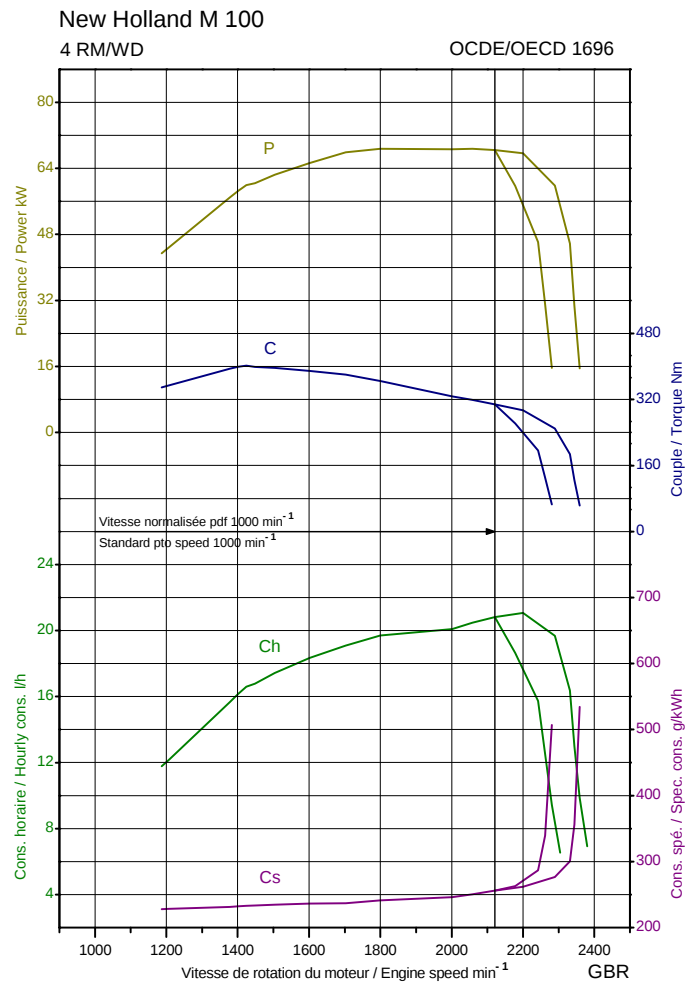
8160 - 16 speeds - 30 km/h

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>	16	16
<i>Speed at rated engine speed</i>	from 1.42	to 29.74 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>	68.8 kW	2058 min ⁻¹	971 min ⁻¹
<i>Hourly and specific consumption</i>		20.47 l/h	250 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	67.7 kW	2200 min ⁻¹	1038 min ⁻¹
<i>Hourly and specific consumption</i>		21.07 l/h	262 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	68.4 kW	2121 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		20.81 l/h	256 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	401.9 Nm	1424 min ⁻¹	36.8 %
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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

<i>Maximum drawbar pull</i>	4594 kg	
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at speed of

<i>Maximum power</i>	45.0 kN	Not
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at speed of

	2.71 km/h	required
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	58.6 kW	in
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	9.19 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

<i>At maximum hydraulic power</i>		Opened centre
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<i>Flow rate, Pressure, Power</i>	52.5 l/min	16.0 MPa	14.0 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		26.0 kN	24.0 kN
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