



OECD approval number

2/1 917

Restricted Code

OECD approval date

05/09/00

Make

New Holland

Model

TM 115

Type

4 WD

M1C7BE - Semi Power Shift Transmission

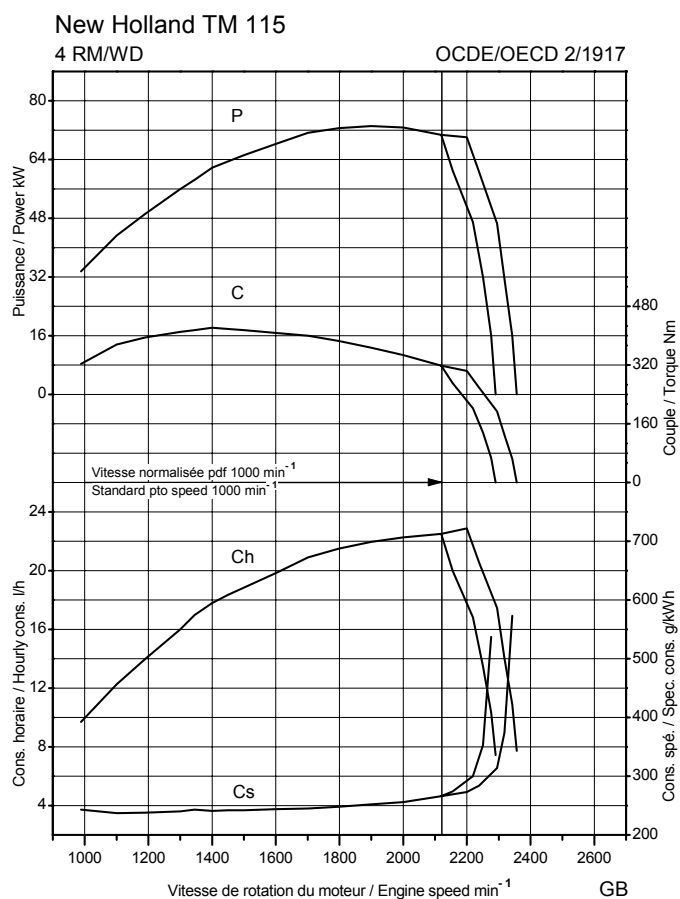
18 forward speeds - 40 km/h

Manufacturer

New Holland UK Ltd

Testing station:

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	675/TH
<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 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	6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	73.1 kW	1900 min ⁻¹	897 min ⁻¹
<i>Hourly and specific consumption</i>		21.96 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	70.1 kW	2200 min ⁻¹	1038 min ⁻¹
<i>Hourly and specific consumption</i>		22.88 l/h	273 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	70.7 kW	2119 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		22.50 l/h	266 g/kWh

Torque rise

		38.6 %	
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<u>Maximum torque, Engine speed corresponding</u>	421.5 Nm	1400 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 - 28	18.4 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	5334 kg	
<i>Maximum drawbar pull</i>	52.0 kN	Not
<i>at speed of</i>	2.16 km/h	required
<i>Maximum power</i>	60.3 kW	in
<i>at speed of</i>	5.60 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>			Closed centre
<i>Maximum lifting force at hitch points, at frame</i>		28.6 kN	26.0 kN
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	104.1 l/min	17.5 MPa	30.4 kW