



OECD approval number

2/1 919

Restricted Code

OECD approval date

05/09/00

Make

New Holland

Model

TM 135

Type

4 WD

M3C7BE - Semi Power Shift Transmission

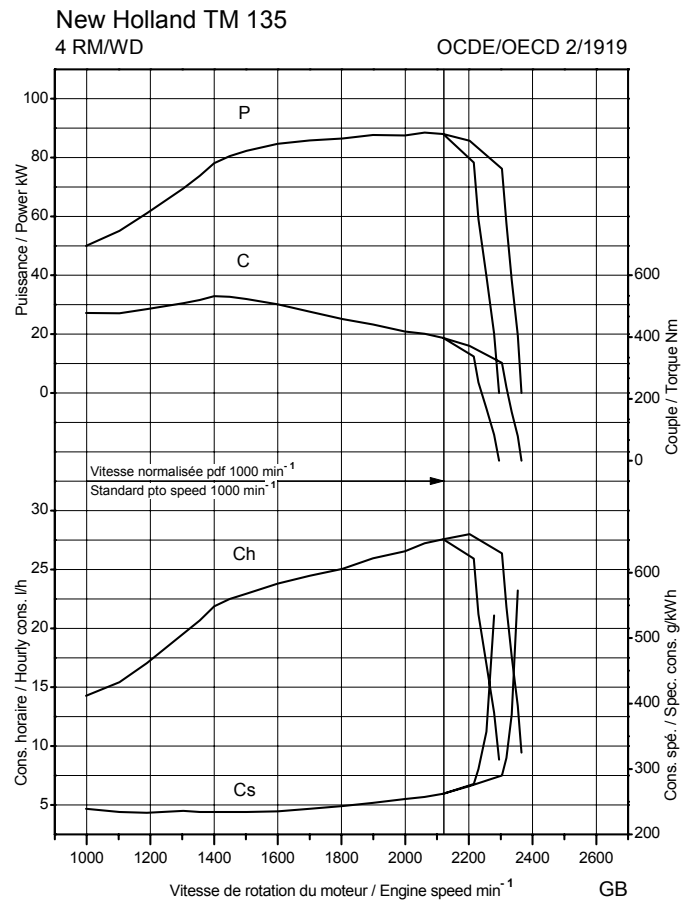
18 forward speeds - 40 km/h

Manufacturer

New Holland UK Ltd

Testing station:

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	New Holland	675T/WT
<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 40.79 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>	88.5 kW	2061 min ⁻¹	972 min ⁻¹
<i>Hourly and specific consumption</i>		27.23 l/h	257 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	85.7 kW	2202 min ⁻¹	1039 min ⁻¹
<i>Hourly and specific consumption</i>		28.01 l/h	274 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	88.0 kW	2119 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		27.57 l/h	262 g/kWh

Torque rise

		43.2 %
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<u>Maximum torque, Engine speed corresponding</u>	532.6 Nm	1400 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 - 28	20.8 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6131 kg	
<i>Maximum drawbar pull</i>	59.5 kN	Not
<i>at speed of</i>	2.24 km/h	required
<i>Maximum power</i>	74.7 kW	in
<i>at speed of</i>	7.56 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>	35.7 kN	31.7 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	104.3 l/min	17.0 MPa 29.6 kW