



OECD approval number

2/2 142

Restricted Code

OECD approval date

09/07/2004

Make

New Holland

Model

TM 175

Type

4 WD

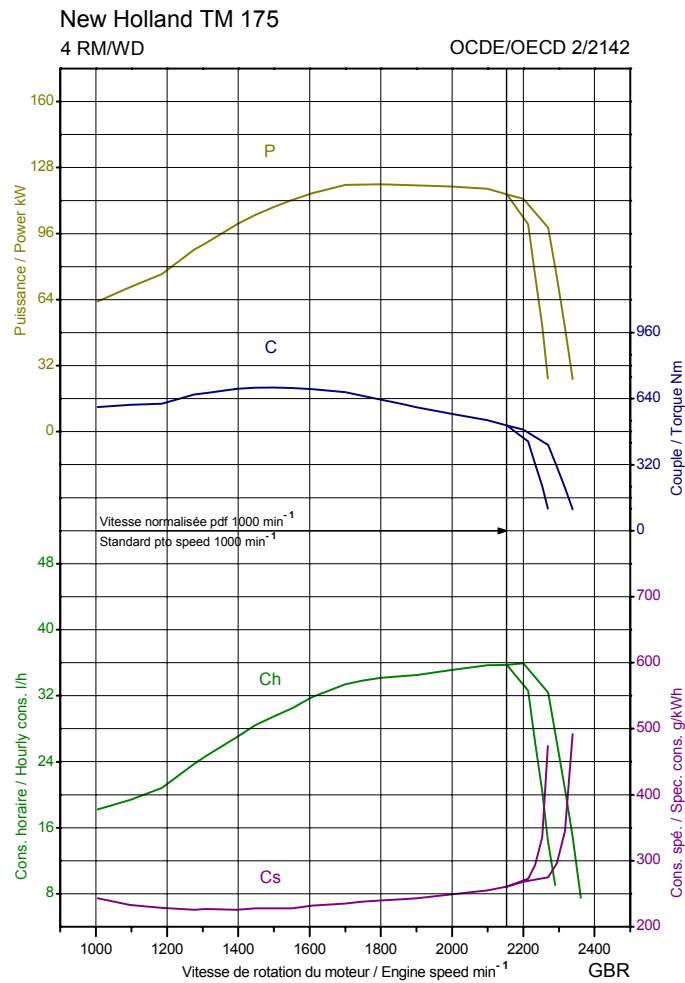
MEC7CG1 - 19 speeds - 50 km/h

Manufacturer

CNH UK Limited

Testing station:

SRI, Silsoe, United Kingdom



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	CNH	675TA/FB
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7480 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	19	6
<i>Speed at rated engine speed</i>	from 1.90	to 45.80 km/h
<u>Standard Power take-off speed</u>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		1021 min <sup>-1</sup>
<i>Diameter of the shaft</i>		34.9 mm
<i>Number of splines</i>		21

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	119.9 kW	1799 min <sup>-1</sup>	835 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		34.18 l/h	240 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	112.8 kW	2200 min <sup>-1</sup>	1021 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		35.93 l/h	268 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	115.0 kW	2154 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		35.73 l/h	261 g/kWh

Torque rise

		41.8 %
<u>Maximum torque, Engine speed corresponding</u>	694.3 Nm	1500 min <sup>-1</sup>

**Drawbar Test***Front tyres, Rear tyres*

<u>Test with tractor</u>	540/65 R 30	650/65 R 42
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*Total Mass*

	<u>unballasted</u>	<u>ballasted</u>
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<i>Maximum drawbar pull</i>	7165 kg	
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<i>at speed of</i>	73.2 kN	Not
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<i>Maximum power</i>	1.77 km/h	required
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<i>at speed of</i>	103.7 kW	in
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	9.21 km/h	Code 2
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**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>		Closed centre
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<u>At maximum hydraulic power</u>		
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<i>Flow rate, Pressure, Power</i>	101.9 l/min	17.5 MPa	29.7 kW
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<u>Maximum lifting force</u>		
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<i>at hitch points, at frame</i>	62.7 kN	50.3 kN
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