



OECD approval number

2/2 099

Restricted Code

OECD approval date

13/01/2004

Make

McCormick

Model

MTX 140

Type

4 WD

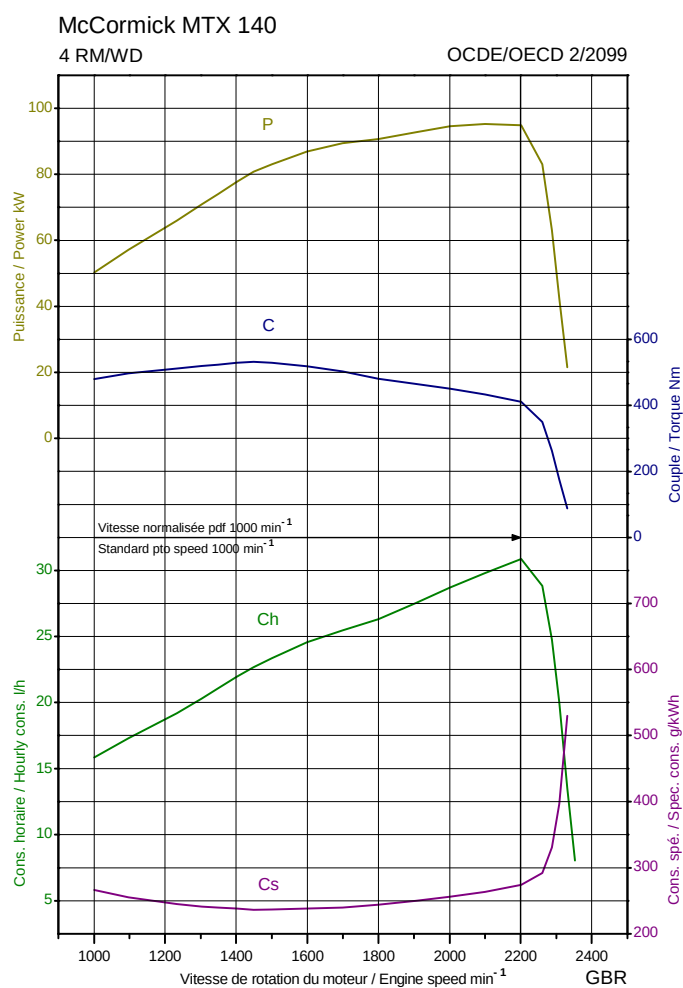
MTX3 - 40 km/h

Manufacturer

McCormick Tractors International Limited

Testing station:

SRI, Silsoe, United Kingdom



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1000 Series
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	5985 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	16	12
<i>Speed at rated engine speed</i>	from 2.87	to 38.61 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	633 min ⁻¹	1000 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>	95.3 kW	2100 min ⁻¹	954 min ⁻¹
<i>Hourly and specific consumption</i>		29.81 l/h	263 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	94.8 kW	2202 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		30.89 l/h	274 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	94.8 kW	2202 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		30.89 l/h	274 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	532.3 Nm	1449 min ⁻¹	29.5 %
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	540/65 R 28	650/65 R 38
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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<i>Maximum drawbar pull</i>	6369 kg	
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<i>at speed of</i>	68.4 kN	Not
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<i>Maximum power</i>	2.64 km/h	required
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<i>at speed of</i>	83.0 kW	in
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	10.29 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>	87.7 l/min	15.5 MPa	22.7 kW
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<u>Maximum lifting force</u>			
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<i>at hitch points, at frame</i>	49.7 kN	37.6 kN	
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