



OECD approval number

2/2 188

Restricted Code

OECD approval date

25/10/2004

Make

Case IH

Model

MX 255

Type

4 WD

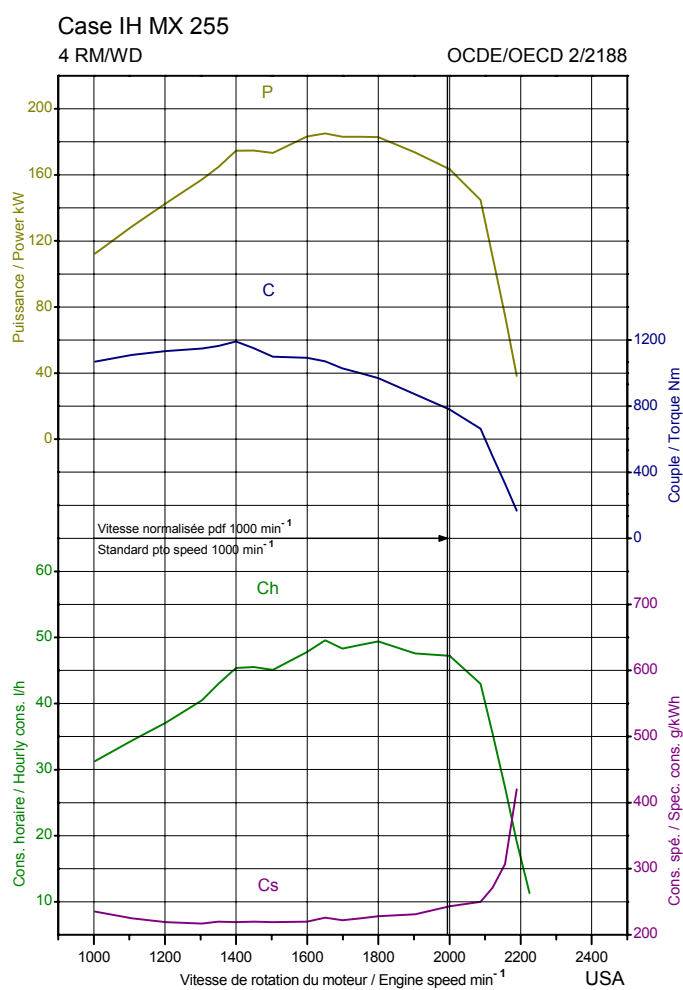
MFWD

Manufacturer

CNH America LLC

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Consolidated Diesel	6TAA-8304
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8268 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	18	4
<i>Speed at rated engine speed</i>	from 3.15	to 36.39 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>		1003 min ⁻¹
<i>Diameter of the shaft</i>		44 mm
<i>Number of splines</i>		20

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	185.1 kW	1650 min ⁻¹	827 min ⁻¹
<i>Hourly and specific consumption</i>		49.64 l/h	226 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	163.5 kW	2000 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		47.20 l/h	243 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	163.5 kW	2000 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		47.20 l/h	243 g/kWh

Torque rise

52.7 %

Maximum torque, Engine speed corresponding1191.0 Nm 1400 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

420/90 R 30 520/85 R 42

Test with tractorunballasted ballasted*Total Mass*

9779 kg 12948 kg

Maximum drawbar pull

94.5 kN 124.9 kN

at speed of

4.83 km/h 3.77 km/h

Maximum power

157.9 kW 160.6 kW

at speed of

8.66 km/h 6.62 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power (couplers: 1 pair)**Flow rate, Pressure, Power (couplers: 2 pairs or +)* 146.1 l/min 19.0 MPa 46.2 kWMaximum lifting force*at the hitch points, at frame (Cat. 3, 1xØ 89 & 1xØ 95 mm cyl.)* 79.0 kN 67.5 kN*at the hitch points, at frame (Cat. 3, Euro, 2xØ 95 mm cylinders)* 71.9 kN 66.9 kN*at the hitch points, at frame (Cat. 3, 1xØ 95 & 1xØ 105 mm cyl.)* 96.7 kN 79.8 kN