



OECD approval number

2/1 892

Restricted Code

OECD approval date

13/03/2000

Make

Case IH

Model

MX 220

Type

4 WD

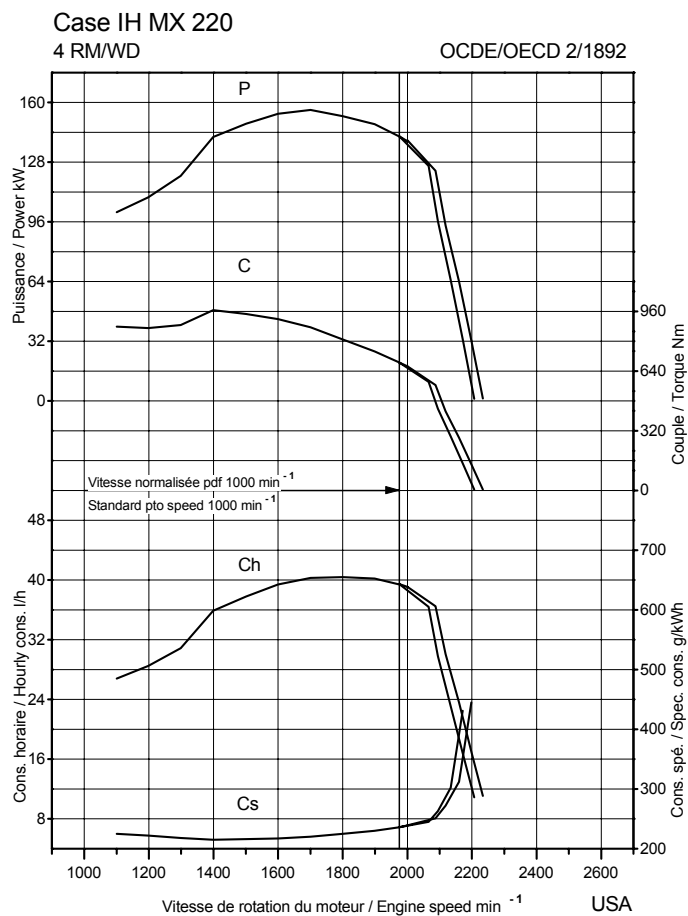
18 speeds - 40 km/h

Case Corporation

Manufacturer

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Consolidated Diesel Company		6TAA-830
<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 3.12		to 36.04 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>	545 min ⁻¹		1013 min ⁻¹
<i>Diameter of the shaft</i>	35 mm		44.5 mm
<i>Number of splines</i>	6		20

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	156.0 kW	1700 min ⁻¹	861 min ⁻¹
<i>Hourly and specific consumption</i>		40.35 l/h	220 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	139.2 kW	2000 min ⁻¹	1013 min ⁻¹
<i>Hourly and specific consumption</i>		39.13 l/h	239 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	141.9 kW	1974 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		39.51 l/h	236 g/kWh

Torque rise

		45.3 %	
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<u>Maximum torque, Engine speed corresponding</u>	966.0 Nm	1399 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 - 30	20.8 - 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	9083 kg	
<i>Maximum drawbar pull</i>	91.9 kN	Not
<i>at speed of</i>	4.12 km/h	required
<i>Maximum power</i>	134.8 kW	in
<i>at speed of</i>	6.94 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>		71.2 kN	61.9 kN
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	111.7 l/min	18.5 MPa	34.4 kW