



OECD approval number

2/1 890

Restricted Code

OECD approval date

13/03/2000

Make

Case IH

Model

MX 180

Type

4 WD

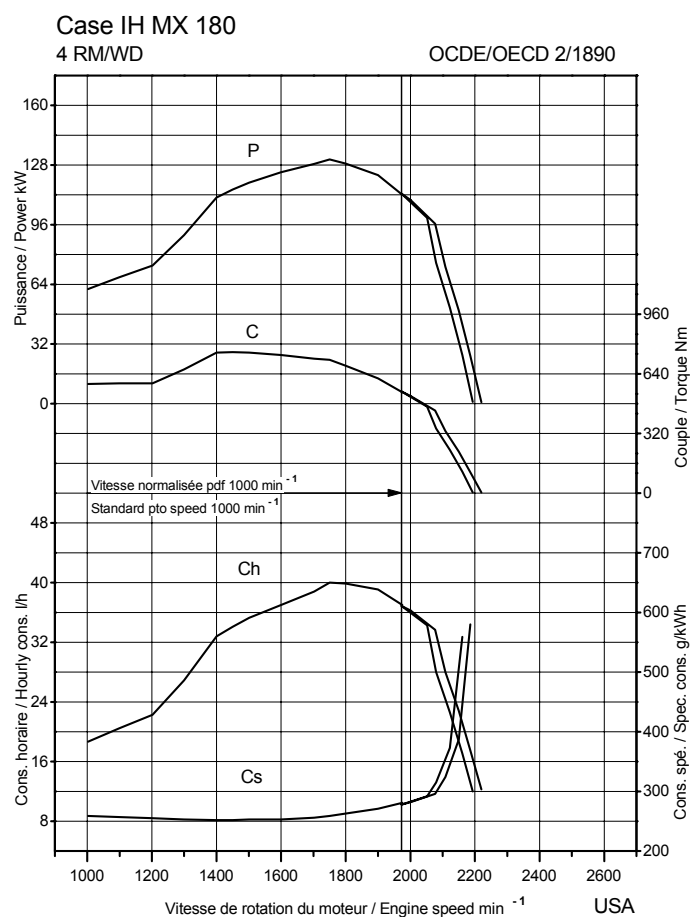
18 speeds - 40 km/h

Case Corporation

Manufacturer

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Consolidated Diesel Company		6T-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 2.98 to 34.45 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>	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>	131.0 kW	1750 min ⁻¹	886 min ⁻¹
<i>Hourly and specific consumption</i>		40.01 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	109.3 kW	2000 min ⁻¹	1013 min ⁻¹
<i>Hourly and specific consumption</i>		36.31 l/h	282 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	112.6 kW	1973 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		36.88 l/h	278 g/kWh

Torque rise

		45.0 %	
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<u>Maximum torque, Engine speed corresponding</u>	757.0 Nm	1450 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 - 30	18.4 - 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8725 kg	
<i>Maximum drawbar pull</i>	86.7 kN	Not
<i>at speed of</i>	3.52 km/h	required
<i>Maximum power</i>	112.6 kW	in
<i>at speed of</i>	6.85 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>			65.5 kN 56.2 kN
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	111.3 l/min	19.1 MPa	35.4 kW