



OECD approval number

1/1 777

OECD approval date

Full Code
31/08/1998

Make

Mahindra

Model

585 DI

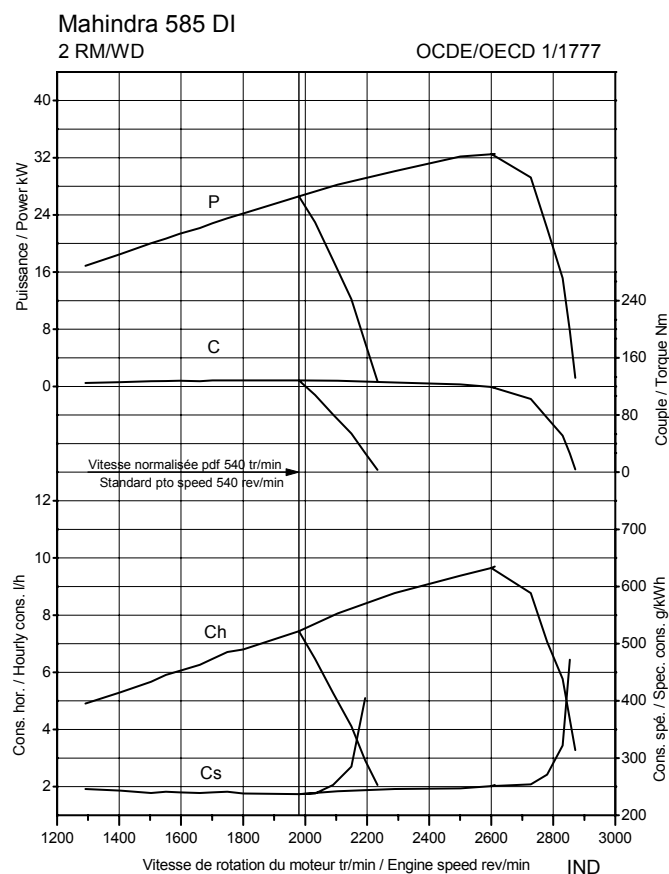
Type

2 WD

Manufacturer

Mahindra & Mahindra Ltd.

Testing station: Central Farm Machinery Training and
Testing Institute, Budni, India



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Mahindra & Mahindra	MDI 3000B
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	2523 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 2.50	to 26.51 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>	709 min ⁻¹	None
<i>Diameter of the shaft</i>	34.75 mm	
<i>Number of splines</i>	6	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	32.5 kW	2611 min ⁻¹	712 min ⁻¹
<i>Hourly and specific consumption</i>		9.70 l/h	253 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	32.5 kW	2600 min ⁻¹	709 min ⁻¹
<i>Hourly and specific consumption</i>		9.65 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	26.6 kW	1980 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		7.44 l/h	237 g/kWh

Torque rise

7.6 %

Maximum torque, Engine speed corresponding128.5 Nm 1749 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

6.00 - 16 13.6 - 28

Test with tractorunballasted ballasted*Total Mass*

1830 kg 3030 kg

Maximum drawbar pull

15.6 kN 23.8 kN

at speed of

2.37 km/h 3.85 km/h

Maximum power

29.5 kW 28.7 kW

at speed of

11.96 km/h 8.66 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power*Flow rate, Pressure, Power*

25.0 l/min 14.0 MPa 5.8 kW

Maximum lifting force*at hitch points, at frame*

15.9 kN 11.3 kN