



OECD approval number

2/2 236

Restricted Code

OECD approval date

29/03/2005

Make

Mahindra

Model

585 DI^S

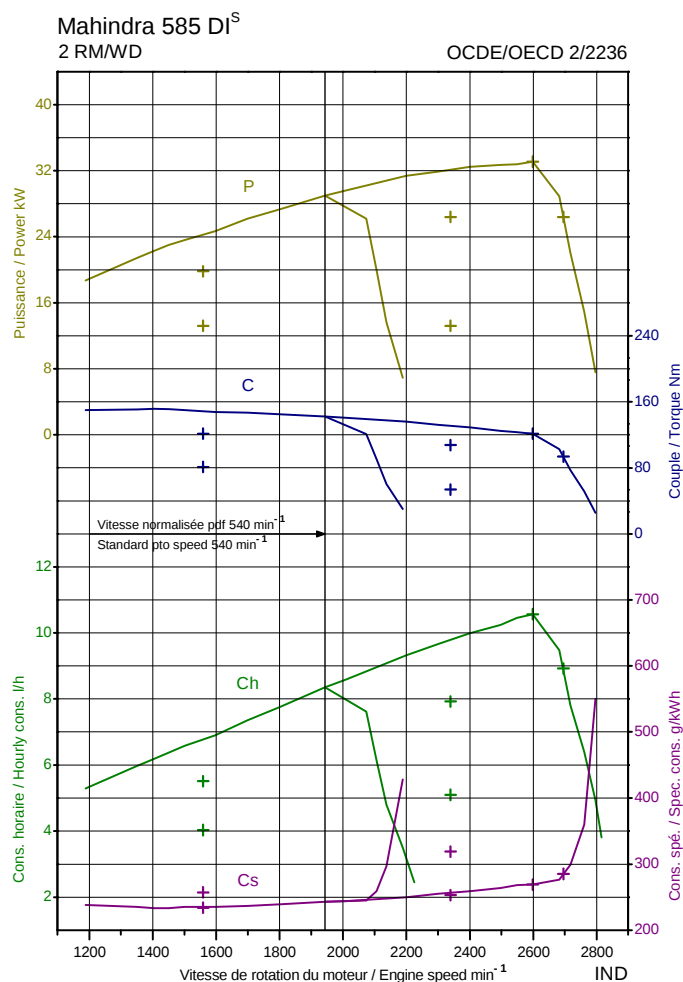
Type

2 WD

Manufacturer

M/s Mahindra & Mahindra Limited

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



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Mahindra	MDI 3000 B
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	2523 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8 2
<i>Speed at rated engine speed</i>		from 3.01 to 30.51 km/h
<i>Standard Power take-off speed</i>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		722 min ⁻¹ None
<i>Diameter of the shaft</i>	34.77 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>	33.1 kW	2599 min ⁻¹	722 min ⁻¹
<i>Hourly and specific consumption</i>		10.57 l/h	269 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	33.1 kW	2599 min ⁻¹	722 min ⁻¹
<i>Hourly and specific consumption</i>		10.57 l/h	269 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	29.0 kW	1944 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		8.36 l/h	243 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		151.7 Nm	1404 min ⁻¹
---	--	----------	------------------------

Drawbar Test

<i>Front tyres, Rear tyres</i>	6.00 - 16	12.4 - 28
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1907 kg	
<i>Maximum drawbar pull</i>	14.7 kN	Not
<i>at speed of</i>	6.21 km/h	required
<i>Maximum power</i>	26.8 kW	in
<i>at speed of</i>	7.83 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power</i>	21.9 l/min	12.0 MPa	4.4 kW
<i>Maximum lifting force</i>			
<i>at hitch points, at frame</i>		13.9 kN	8.3 kN