



OECD approval number
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Make
Model
Type

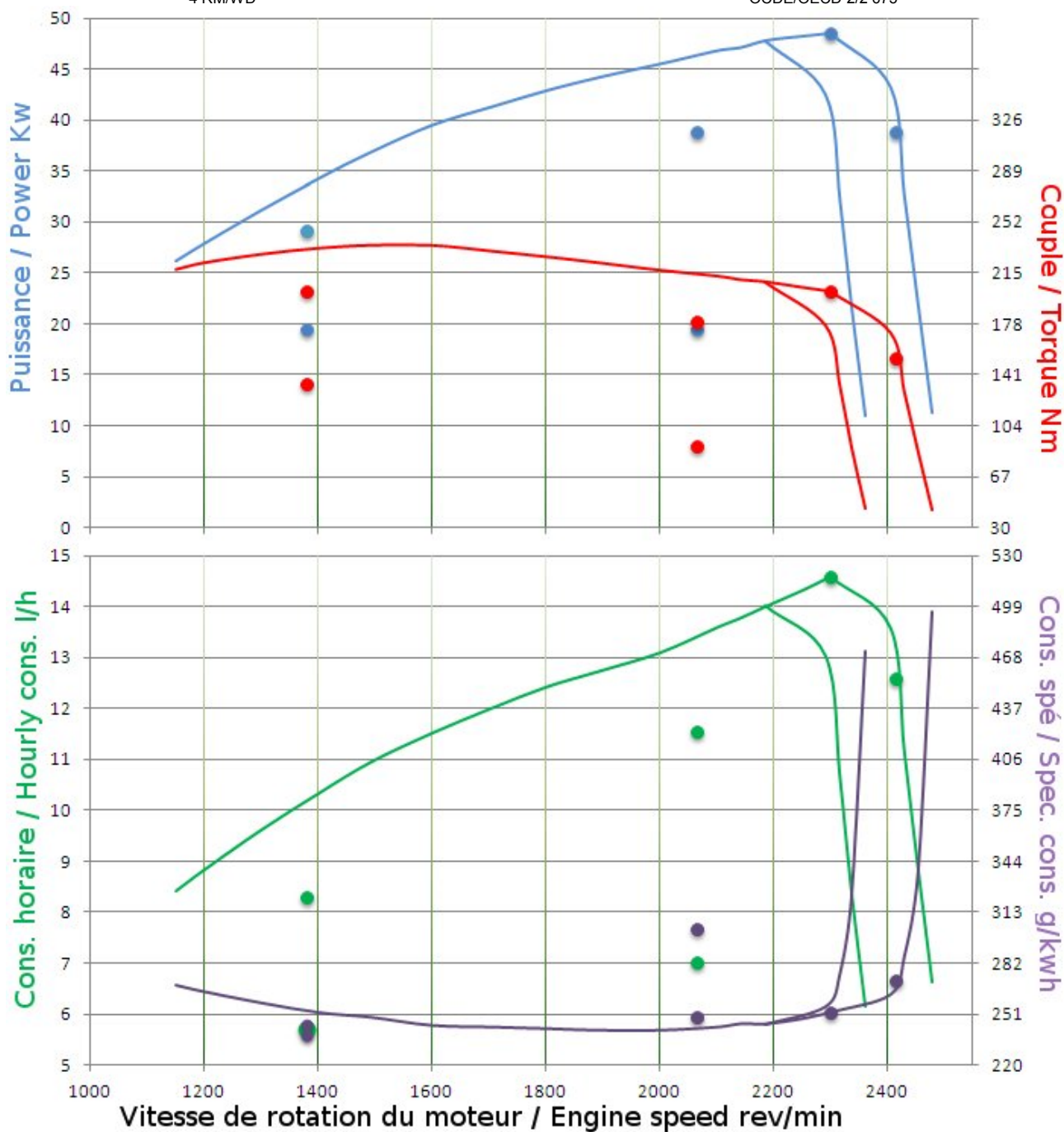
Manufacturer:
Testing station:

2/2 675
09/02/2012
Mahindra
8000 – 4WD
4 WD

Mechanical - 33 km/h
Mahindra & Mahindra Limited
Central Farm Machinery Training and
Testing Institute, BUDNI, INDIA

Mahindra 8000 – 4WD
4 RM/WD

OCDE/OECD 2/2 675



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Mahindra	NE 476-I-TC
<i>Type, Supercharging</i>	Direct Injection	No
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3192 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 2,75	to 32,20 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>	568 min ⁻¹	
<i>Diameter of the shaft</i>	34,8 mm	Not
<i>Number of splines</i>	6	Applicable

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	48,5 kW	2300 min ⁻¹	568 min ⁻¹
<i>Hourly and specific consumption</i>		14,60 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	48,5 kW	2300 min ⁻¹	568 min ⁻¹
<i>Hourly and specific consumption</i>		14,60 l/h	252 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	47,8 kW	2187 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		14,02 l/h	245 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	235,6 Nm	1494 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	11.2-24	16.9-30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3135 kg	
<i>Maximum drawbar pull</i>	23,64 kN	Not
<i>at speed of</i>	4,03 km/h	Applicable
<i>Maximum power</i>	39,1 kW	
<i>at speed of</i>	8,65 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Open centre
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	21,69 l/min	16,0 MPa 5,8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		Not Applicable
<u>Maximum lifting force</u>		
<i>at the hitch points, at frame</i>	16,18 kN	11,93 kN