

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 042
OECD Approval Date	23/03/2017
Make	Mahindra
Model	6560 4WD
Type	4 WD
Transmission	Mechanical
Speed	34 km/h
Manufacturer	Mahindra & Mahindra Limited
Testing Station	VCA – United Kingdom



SPECIFICATIONS

ENGINE

<i>Make</i>	Mahindra
<i>Model</i>	MSI 457 3A
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	in line
<i>Capacity</i>	3532 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Mechanical
<i>Number of forward and reverse speeds</i>	15
<i>Speed at rated engine speed</i>	from 1,7 to 33,5 km/h

POWER TAKE-OFF SPECIFICATIONS

<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>	569 min ⁻¹	
<i>Diameter of the shaft</i>	34,8 mm	<i>Not</i>
<i>Number of splines</i>	6	<i>applicable</i>

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	38,4 kW	2175 min ⁻¹	589 min ⁻¹
Hourly and specific consumption		11,3 l/h	246,0 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	37,3 kW	2100 min ⁻¹	569 min ⁻¹
Hourly and specific consumption		11,0 l/h	246,8 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

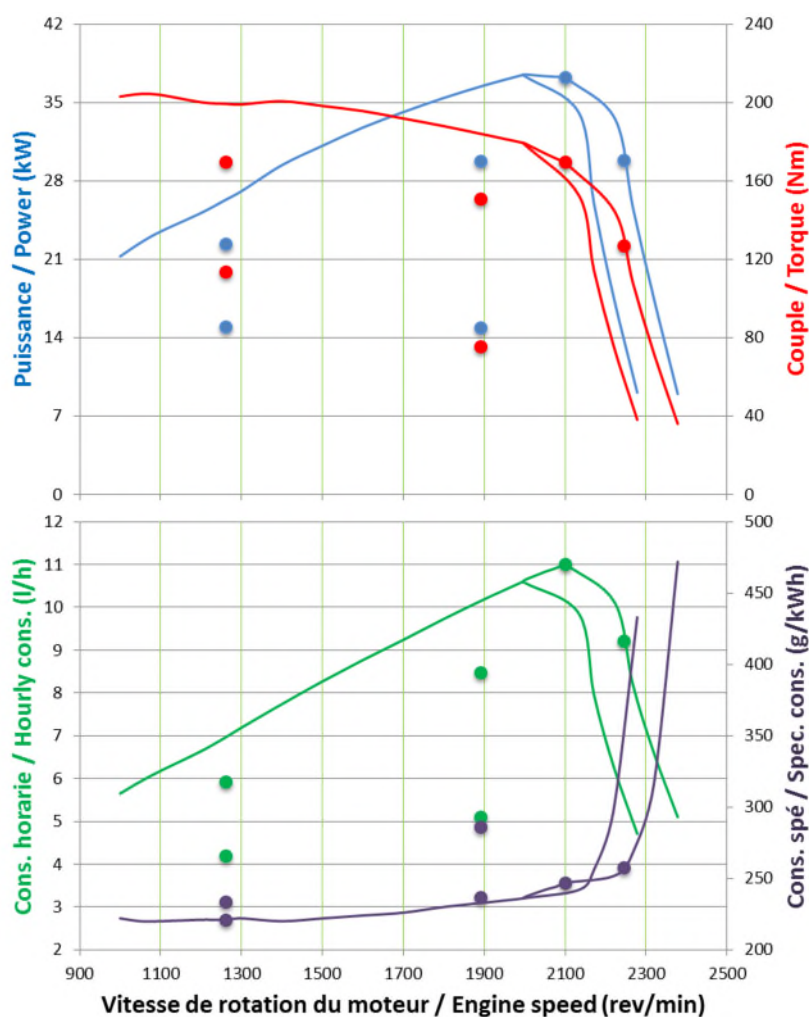
Power, Engine and Power take-off speed	37,5 kW	1994 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		10,6 l/h	236,4 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

21,2 %

Maximum torque, Engine speed corresponding

204,3 Nm

1050 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

19 to 19,7 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

38 l/min

12 MPa

7,6 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

Not

Applicable

POWER LIFT

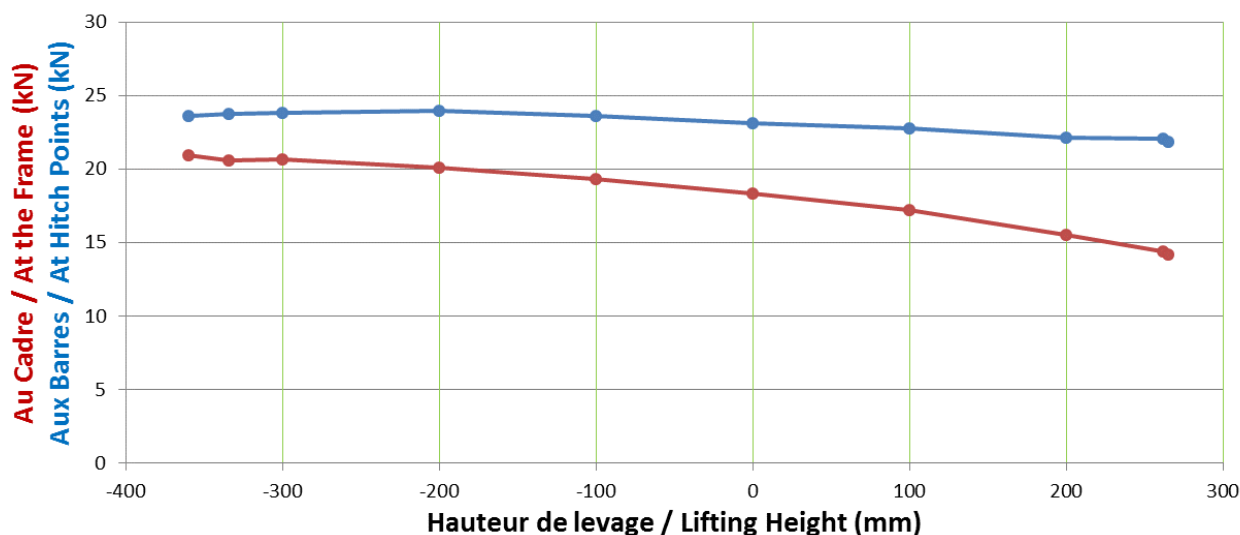
Maximum lifting force

at the hitch points

21,88 kN

at the frame

14,21 kN

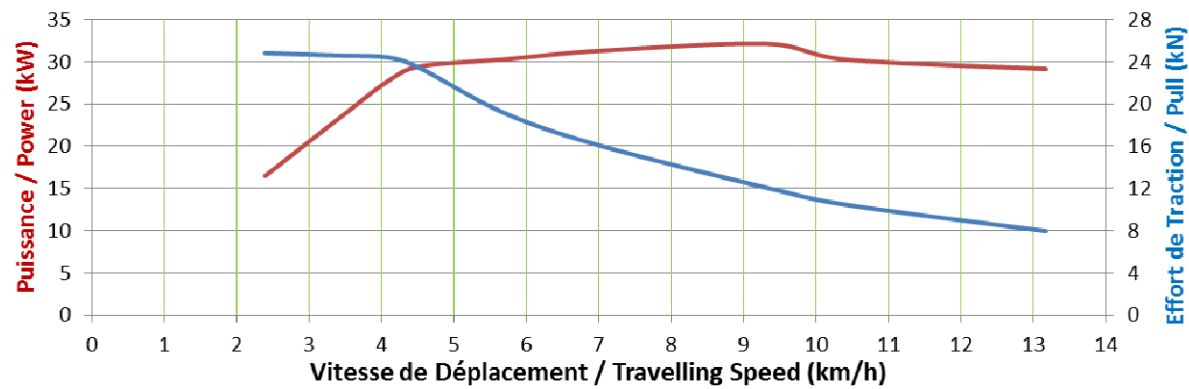


DRAWBAR TEST

Front tyres, Rear tyres	9.50-24	16.9-28
Inflation pressure	160 kPa	117,7 kPa

UNBALLASTED

Total Mass	2765 kg
Maximum drawbar pull	24,81 kN
at speed of	2,39 km/h
Maximum power	31,30 kW
at speed of	7,05 km/h



BALLASTED

Not applicable