



**OECD approval number**  
**OECD approval date**  
**Make**  
**Model**  
**Type**

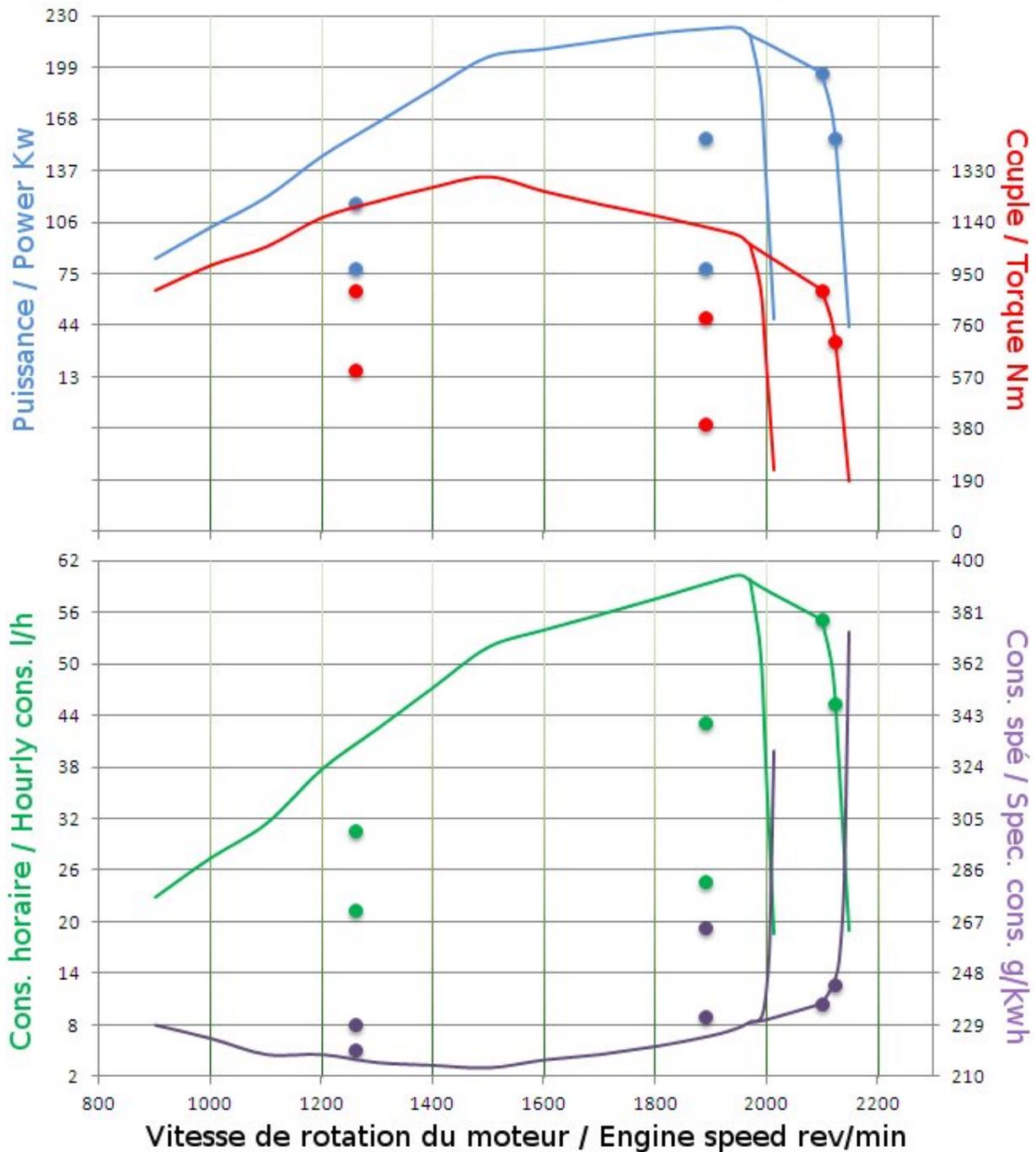
**2/2 720**  
**13/11/2012**  
**Massey Ferguson**  
**8670**  
**4WD**  
 CVT - 40 km/h  
 AGCO S.A.  
 DLG e.V.

*Manufacturer:*  
*Testing station:*

Test Center Technology and Farm inputs

Massey Ferguson 8670  
4 RM/WD

OCDE/OECD 2/2 720



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu		84.AWI.657
<i>Type, Supercharging</i>	Direct injection		Yes
<i>Cylinders, Disposition</i>	6		vertical in line
<i>Capacity, Cooling</i>	8419 cm <sup>3</sup>		Liquid
<i>Gear box</i>			CVT
<i>Number of forward and reverse speeds</i>		-	-
<i>Speed at rated engine speed</i>		from 0	to 40 km/h
<u>Standard Power take-off speed</u>		540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>			1066 min <sup>-1</sup>
<i>Diameter of the shaft</i>		Not	45 mm
<i>Number of splines</i>		Applicable	20

## Power take-off Test

### One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	222,95 kW	1950 min <sup>-1</sup>	990 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		60,31 l/h	228 g/kWh

### Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	195,91 kW	2100 min <sup>-1</sup>	1066 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		55,12 l/h	237 g/kWh

### Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	218,60 kW	1970 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		59,73 l/h	230 g/kWh

### Torque rise

<u>Maximum torque, Engine speed corresponding</u>		1308,4 Nm	1500 min <sup>-1</sup>
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## Drawbar Test

<i>Front tyres, Rear tyres</i>	600/65R34		710/75R42
<u>Test with tractor</u>	<u>unballasted</u>		<u>ballasted</u>
<i>Total Mass</i>	11430 kg		
<i>Maximum drawbar pull</i>	112,80 kN		
<i>at speed of</i>	3,69 km/h		Not
<i>Maximum power</i>	184,7 kW		Applicable
<i>at speed of</i>	8,29 km/h		

## Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	103,2 l/min	15,8 MPa	27,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	143,6 l/min	16,4 MPa	39,3 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		83,9 kN	79,4 kN