

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 892
OECD Approval Date	10/06/2015
Make	FERRARI
Model	COBRAM V650 AR
Type	Articulated 4WD
Transmission	Mechanical
Speed	30 km/h
Manufacturer	BCS S.p.A.
Testing Station	DISTAL – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	VM MOTORI
<i>Model</i>	D753TE3
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	3
<i>Disposition</i>	vertical in line
<i>Capacity</i>	2228 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Mechanical
<i>Number of forward and reverse speeds</i>	12
<i>Speed at rated engine speed</i>	from 8,15 to 32,60 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>	583 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	Not
<i>Number of splines</i>	6	Applicable

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	37,8 kW	2052 min ⁻¹	460 min ⁻¹
Hourly and specific consumption		13,21 l/h	293 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at maximum power at rated engine speed

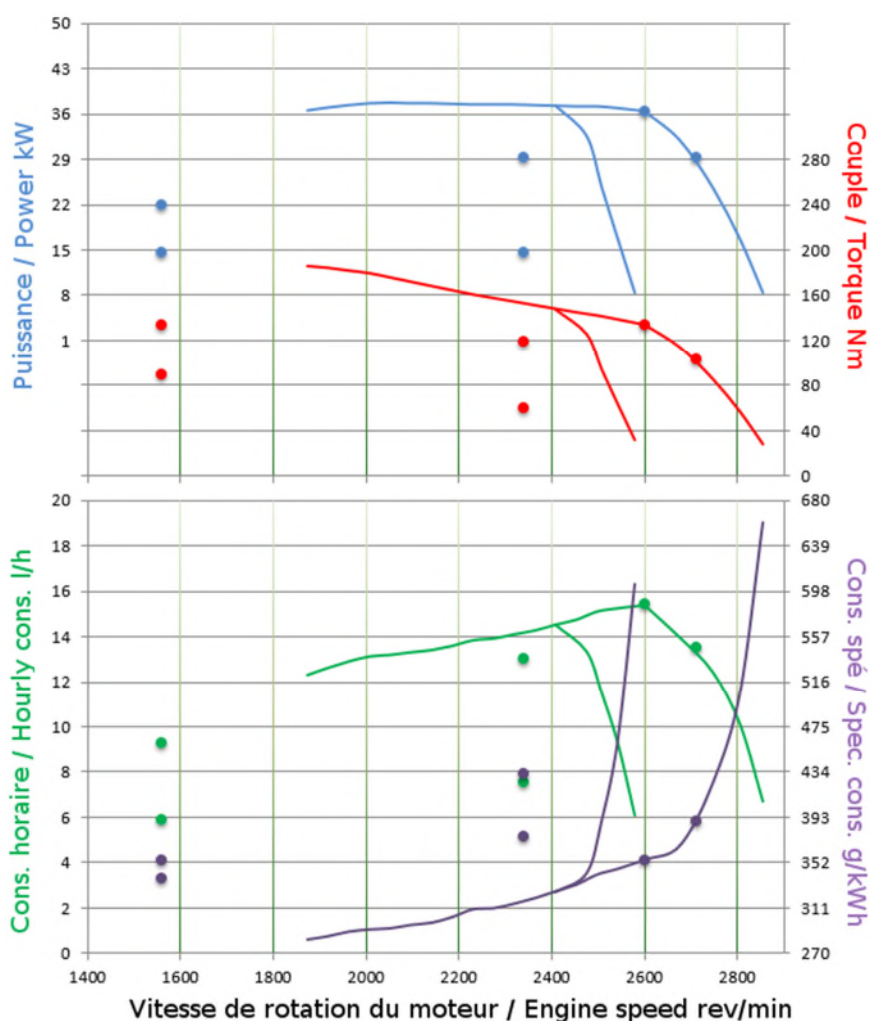
Power, Engine and Power take-off speed	36,4 kW	2600 min ⁻¹	583 min ⁻¹
Hourly and specific consumption		15,39 l/h	354 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	37,3 kW	2408 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		14,53 l/h	326 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Torque rise

Maximum torque, Engine speed corresponding	185,9 Nm	1873 min ⁻¹	38,8 %
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PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

18 ± 1,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

24,3 l/min

15,95 MPa

6,5 kW

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

Not

Applicable

POWER LIFT

Maximum lifting force

at the hitch points

9,56 kN

at the frame

6,54 kN

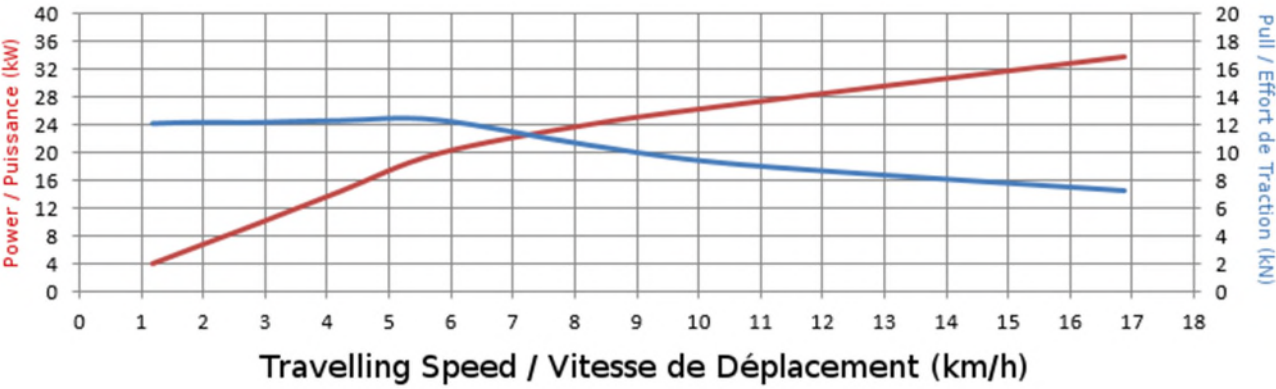


DRAWBAR TEST

Front tyres, Rear tyres	280/70 R18	280/70 R18
Inflation pressure	240 kPa	240 kPa

UNBALLASTED

Total Mass	1465 kg
Maximum drawbar pull	12,34 kN
at speed of	5,78 km/h
Maximum power	33,83 kW
at speed of	16,89 km/h



BALLASTED

Not Applicable