



OECD approval number

2/2 337

OECD approval date

Restricted Code

21/03/2006

Make

Challenger

Model

MT 575B

Type

4 WD

T36 - DynaVT - 40 km/h

Manufacturer

AGCO S.A.

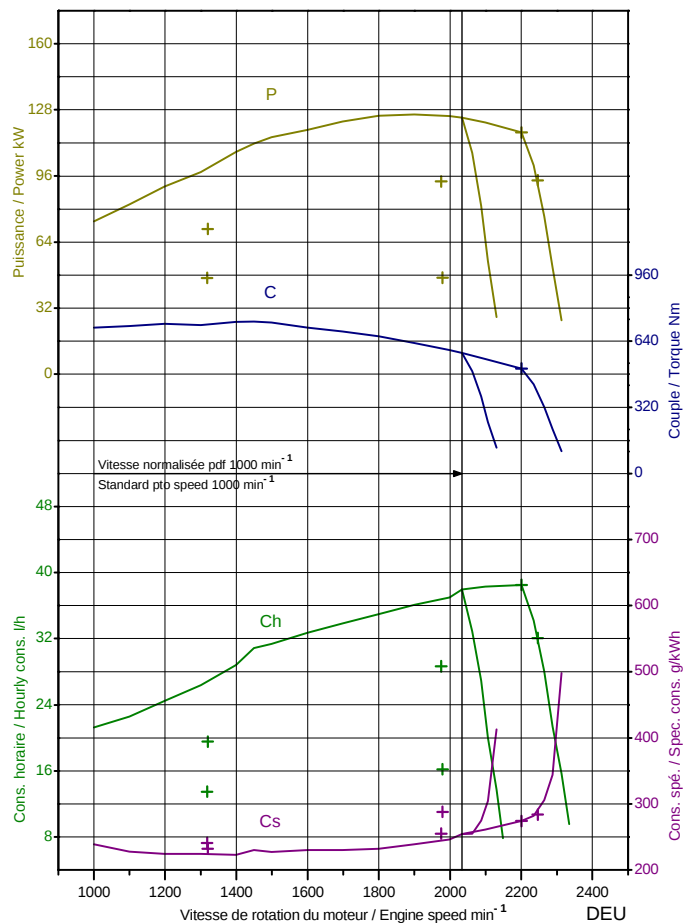
Testing station:

DLG, Gross-Umstadt, Germany

Challenger MT 575 B (T36)

4 RM/WD

OCDE/OECD 2/2337



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.253 ETA
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6596 cm ³	Liquid
<i>Gear box</i>		Hydrostatic and mechanical
<i>Number of forward and reverse speeds</i>		Not significant
<i>Speed at rated engine speed</i>		from 0.00 to 40.00 km/h
<i>Standard Power take-off speed</i>		540 min^{-1} 1000 min^{-1}
<i>Power take-off speed at rated engine speed</i>		576 min^{-1} 1083 min^{-1}
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	125.7 kW	1900 min^{-1}	934 min^{-1}
<i>Hourly and specific consumption</i>		36.11 l/h	239 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	117.1 kW	2201 min^{-1}	1082 min^{-1}
<i>Hourly and specific consumption</i>		38.51 l/h	274 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	124.4 kW	2034 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		37.96 l/h	254 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		735.0 Nm	1450 min^{-1}
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Drawbar Test*Front tyres, Rear tyres*

540/65 R 30 520/85 R 42

Test with tractorunballasted ballasted*Total Mass*

6870 kg

Maximum drawbar pull

65.8 kN

Not

at speed of

5.24 km/h

required

Maximum power

101.6 kW

in

at speed of

8.80 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power*

109.7 l/min

18.0 MPa

32.9 kW

Maximum lifting force*at hitch points, at frame*

57.2 kN

50.0 kN

