



OECD approval number

2/1 869

OECD approval date

Restricted Code

13/12/1999

Make

Massey Ferguson

Model

8280

Type

4 WD

Manufacturer

Agco S.A.

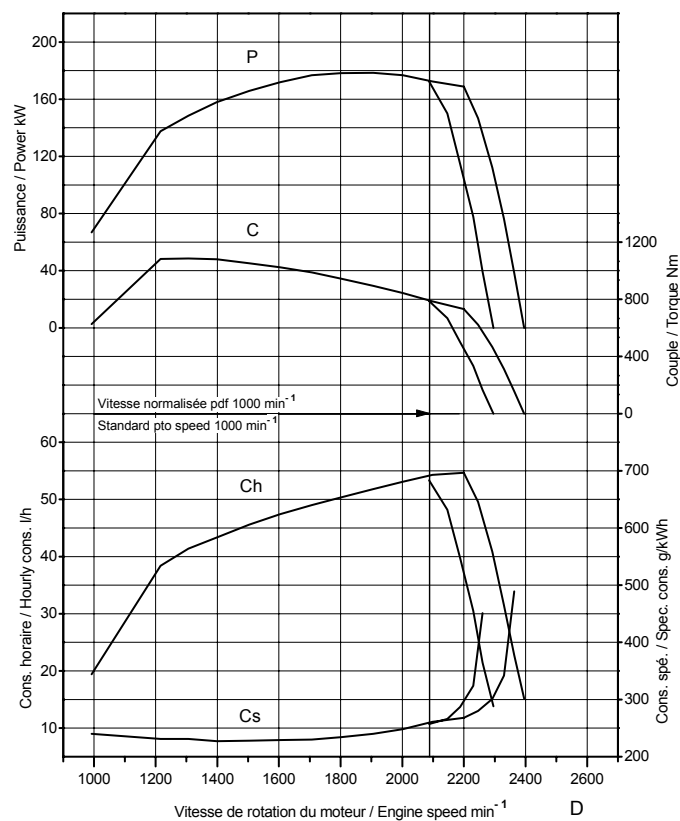
Testing station:

DLG, Gross-Umstadt, Germany

Massey Ferguson 8280

4 RM/WD

OCDE/OECD 2/1869



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	645DSBIE
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	in line
<i>Capacity, Cooling</i>	8419 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	18	9
<i>Speed at rated engine speed</i>	from 2.40	to 39.77 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	596 min ⁻¹	1052 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>	178.5 kW	1906 min ⁻¹	912 min ⁻¹
<i>Hourly and specific consumption</i>		51.81 l/h	240 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	168.9 kW	2200 min ⁻¹	1053 min ⁻¹
<i>Hourly and specific consumption</i>		54.64 l/h	268 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	172.5 kW	2087 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		53.53 l/h	257 g/kWh

Torque rise

		48.2 %	
<u>Maximum torque, Engine speed corresponding</u>	1086.0 Nm	1306 min ⁻¹	

Drawbar Test*Front tyres, Rear tyres*

	600/70 R 28	650/85 R 38
--	-------------	-------------

Test with tractor*Total Mass*

	<u>unballasted</u>	<u>ballasted</u>
--	--------------------	------------------

Maximum drawbar pull

	9770 kg	
--	---------	--

at speed of

	93.1 kN	Not
--	---------	-----

Maximum power

	5.15 km/h	required
--	-----------	----------

at speed of

	145.7 kW	in
--	----------	----

	10.64 km/h	Code 2
--	------------	--------

Hydraulic Performance and Power Lift Test*Hydraulic system*

		Closed centre
--	--	---------------

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	148.0 l/min	15.5 MPa	38.2 kW
-----------------------------------	-------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>		80.6 kN	75.2 kN
----------------------------------	--	---------	---------

