



OECD approval number

1/1 907

OECD approval date

Full Code

12/05/00

Make

Kubota

Model

M5700DT

Type

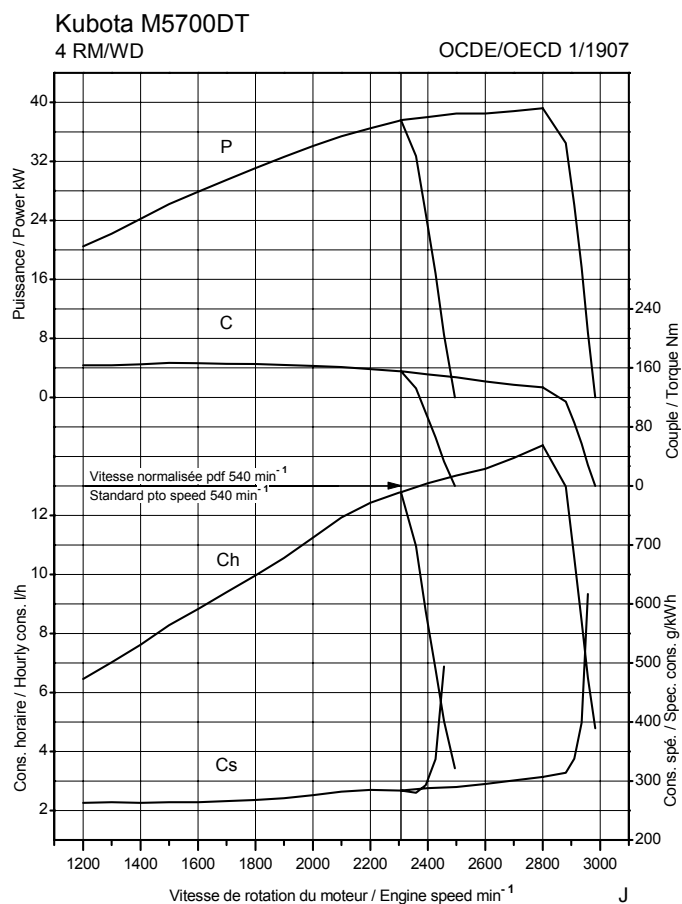
4 WD

Manufacturer

Kubota Corporation

Testing station:

IAM-BRAIN, Omiya, Japan



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Kubota	F2803-EA-1
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	5	vertical in line
<i>Capacity, Cooling</i>	2746 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8
<i>Speed at rated engine speed</i>	from 2.83	to 31.26 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>	655 min ⁻¹	None
<i>Diameter of the shaft</i>	35 mm	
<i>Number of splines</i>	6	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	39.2 kW	2800 min ⁻¹	655 min ⁻¹
<i>Hourly and specific consumption</i>		14.36 l/h	307 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	39.2 kW	2800 min ⁻¹	655 min ⁻¹
<i>Hourly and specific consumption</i>		14.36 l/h	307 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	37.6 kW	2307 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		12.76 l/h	284 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		166.7 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	9.5 - 22	16.9 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1933 kg	3132 kg
<i>Maximum drawbar pull</i>	20.1 kN	29.6 kN
<i>at speed of</i>	3.33 km/h	3.24 km/h
<i>Maximum power</i>	35.2 kW	35.9 kW
<i>at speed of</i>	7.92 km/h	8.03 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	14.7 kN	12.6 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	38.6 l/min	16.7 MPa 10.7 kW