



OECD approval number

1/1 906

OECD approval date

Full Code

12/05/00

Make

Kubota

Model

M4900DT

Type

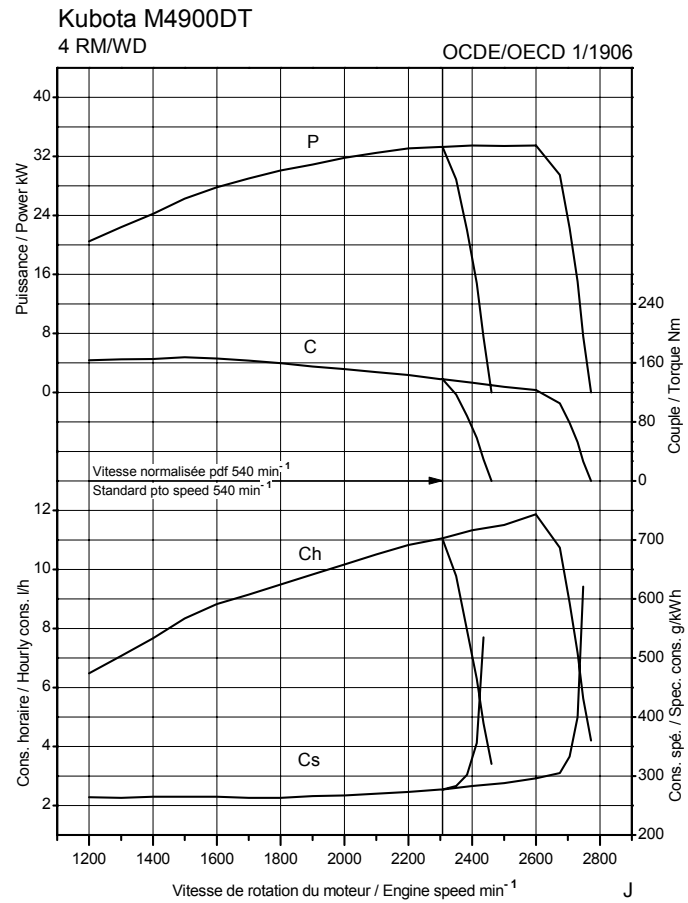
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Manufacturer

Kubota Corporation

Testing station:

IAM-BRAIN, Omiya, Japan



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Kubota	F2803-ELA-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 2.55	to 28.16 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>	609 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>	33.5 kW	2600 min ⁻¹	608 min ⁻¹
<i>Hourly and specific consumption</i>		11.86 l/h	296 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	33.5 kW	2600 min ⁻¹	608 min ⁻¹
<i>Hourly and specific consumption</i>		11.86 l/h	296 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	33.3 kW	2307 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		11.03 l/h	277 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		167.6 Nm	1500 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	9.5 - 22	14.9 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1903 kg	2982 kg
<i>Maximum drawbar pull</i>	19.8 kN	28.0 kN
<i>at speed of</i>	3.02 km/h	2.95 km/h
<i>Maximum power</i>	30.3 kW	30.5 kW
<i>at speed of</i>	7.20 km/h	7.31 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>	31.0 l/min	15.2 MPa
		7.9 kW