



OECD approval number

1/1 841

OECD approval date

Full Code
06/09/1999

Make

Kubota

Model

M-120DT

Type

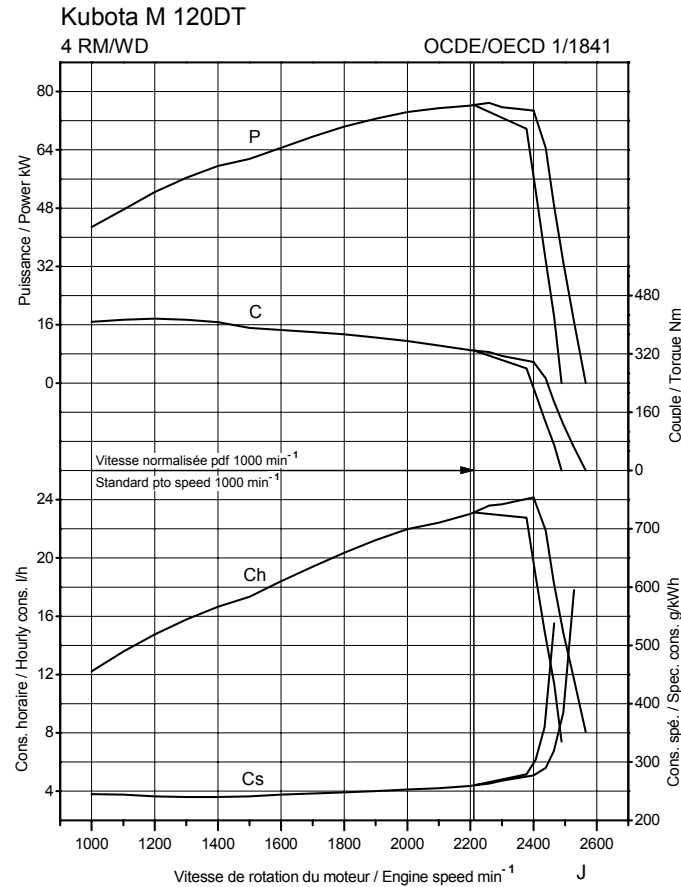
4 WD

Manufacturer

Kubota Corporation

Testing station:

IAM - BRAIN, Omiya, Japan



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Kubota	F5802-TE
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	5	vertical in line
<i>Capacity, Cooling</i>	5832 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 1.99	to 33.22 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>	637 min ⁻¹	1086 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>	76.9 kW	2260 min ⁻¹	1022 min ⁻¹
<i>Hourly and specific consumption</i>		23.61 l/h	263 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	74.8 kW	2400 min ⁻¹	1086 min ⁻¹
<i>Hourly and specific consumption</i>		24.17 l/h	277 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	76.3 kW	2211 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.12 l/h	260 g/kWh

Torque rise

		39.9 %	
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Maximum torque, Engine speed corresponding

	416.7 Nm	1200 min ⁻¹	
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 24	18.4 R 38
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Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
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<i>Total Mass</i>	4163 kg	5815 kg
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<i>Maximum drawbar pull</i>	39.4 kN	55.9 kN
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<i>at speed of</i>	4.25 km/h	2.77 km/h
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<i>Maximum power</i>	66.5 kW	66.6 kW
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<i>at speed of</i>	9.65 km/h	6.62 km/h
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Hydraulic Performance and Power Lift Test*Hydraulic system*

			Opened centre
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<u>At maximum hydraulic power</u>			
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<i>Flow rate, Pressure, Power</i>	70.3 l/min	13.5 MPa	15.9 kW
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<u>Maximum lifting force</u>			
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<i>at hitch points, at frame</i>		19.5 kN	14.6 kN
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