



OECD approval number

1/1 840

OECD approval date

Full Code
05/08/1999

Make

Kubota

Model

M-110DT

Type

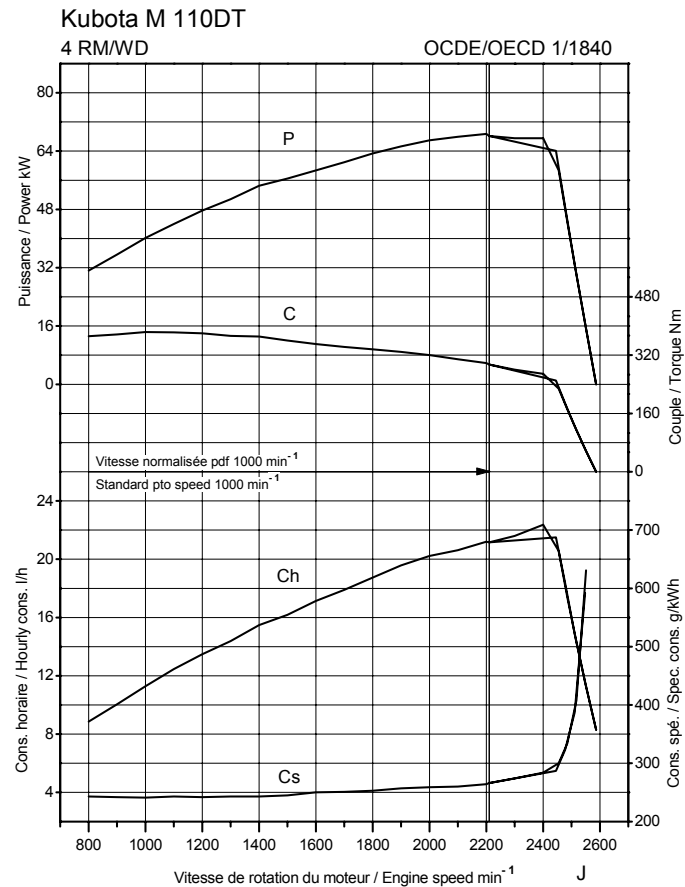
4 WD

Manufacturer

Kubota Corporation

Testing station:

IAM - BRAIN, Omiya, Japan



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Kubota	F5802-TE-1
<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 powershift
<i>Number of forward and reverse speeds</i>		16 16
<i>Speed at rated engine speed</i>		from 1.91 to 31.27 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>	68.7 kW	2200 min ⁻¹	995 min ⁻¹
<i>Hourly and specific consumption</i>		21.20 l/h	264 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	67.5 kW	2400 min ⁻¹	1086 min ⁻¹
<i>Hourly and specific consumption</i>		22.36 l/h	284 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	68.2 kW	2211 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		21.16 l/h	266 g/kWh

Torque rise

		42.5 %	
<u>Maximum torque, Engine speed corresponding</u>	382.9 Nm	1000 min ⁻¹	

Drawbar Test*Front tyres, Rear tyres*

	13.6 R 24	18.4 R 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>

Total Mass

	3880 kg	5452 kg
--	---------	---------

Maximum drawbar pull

	36.3 kN	52.4 kN
--	---------	---------

at speed of

	2.66 km/h	2.70 km/h
--	-----------	-----------

Maximum power

	60.5 kW	60.7 kW
--	---------	---------

at speed of

	7.16 km/h	7.24 km/h
--	-----------	-----------

Hydraulic Performance and Power Lift Test*Hydraulic system*

			Opened centre
<u>At maximum hydraulic power</u>			

<i>Flow rate, Pressure, Power</i>	69.4 l/min	14.1 MPa	16.3 kW
-----------------------------------	------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>		16.7 kN	15.3 kN
----------------------------------	--	---------	---------