



OECD approval number

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OECD approval date

Full Code

19/07/2001

Make

Tong Yang

Model

T290

Type

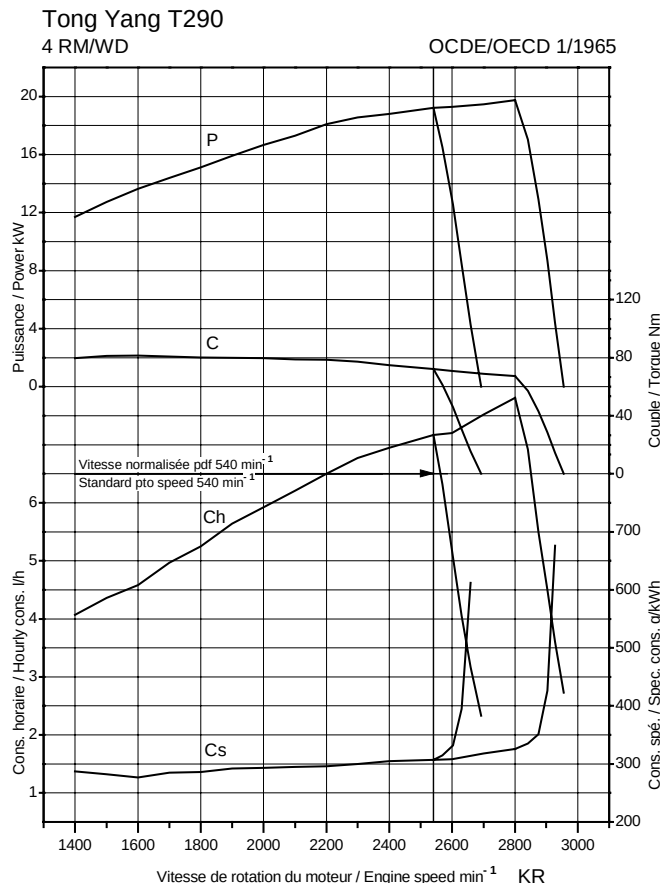
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Manufacturer

Tong Yang Moolsan Co., Ltd.

Testing station:

NAMRI, Suwon, Korea



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Kubota	D1503
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	1499 cm ³	Liquid
<i>Gear box</i>	Mechanical synchronized	
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 0.88	to 21.57 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	595 min ⁻¹	1100 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	19.8 kW	2800 min ⁻¹	595 min ⁻¹
<i>Hourly and specific consumption</i>		7.81 l/h	326 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	19.8 kW	2800 min ⁻¹	595 min ⁻¹
<i>Hourly and specific consumption</i>		7.81 l/h	326 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	19.2 kW	2541 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		7.17 l/h	307 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	81.4 Nm	1600 min ⁻¹	20.8 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	7 - 16	11.2 - 24
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1317 kg	1389 kg
<i>Maximum drawbar pull</i>	10.6 kN	10.9 kN
<i>at speed of</i>	2.55 km/h	2.55 km/h
<i>Maximum power</i>	18.1 kW	18.2 kW
<i>at speed of</i>	12.15 km/h	12.16 km/h

Power Lift and Hydraulic Performance Test

Hydraulic system		Opened centre	
Maximum lifting force at hitch points, at frame	10.5 kN	4.9 kN	
<u>At maximum hydraulic power</u>			
Flow rate, Pressure, Power	24.0 l/min	11.6 MPa	4.6 kW