



OECD approval number

1/2 089

OECD approval date

Full Code
17/11/2003

Make

Futian Oubao

Model

FT304

Type

4 WD

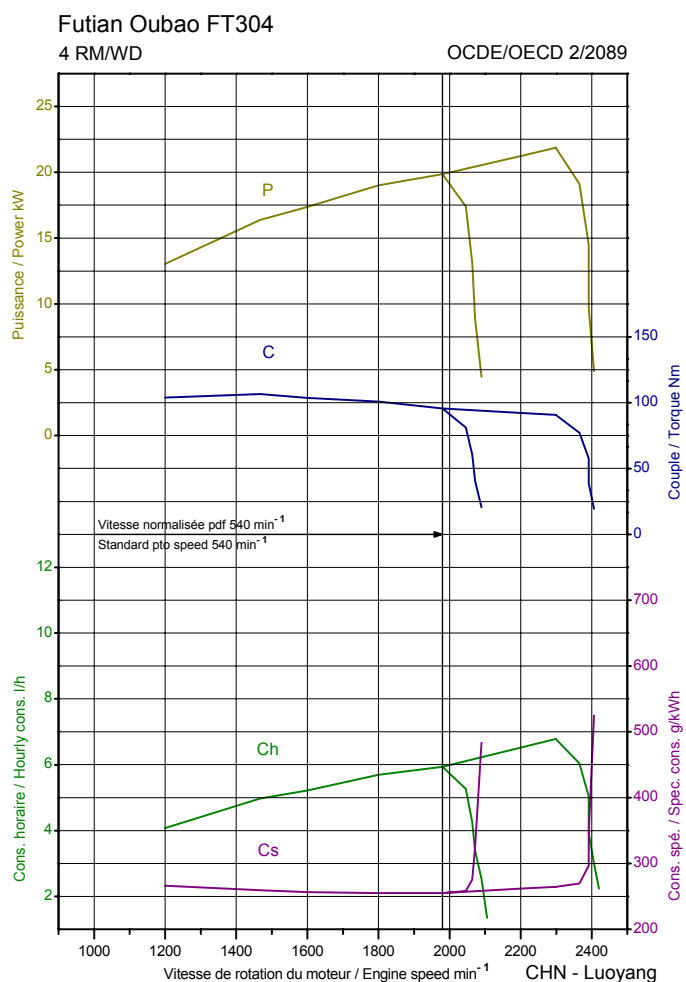
30 km/h

Manufacturer

Beiqi Futian Weifang
Agricultural Equipment Branch Co.

Testing station:

COTTEC, Luoyang, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Fujian Lijia	SL2105ABT
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	2	vertical in line
<i>Capacity, Cooling</i>	2026 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	4
<i>Speed at rated engine speed</i>	from 2.23	to 29.20 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>	627 min ⁻¹	1174 min ⁻¹
<i>Diameter of the shaft</i>	34.79 mm	34.79 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>	21.9 kW	2299 min ⁻¹	627 min ⁻¹
<i>Hourly and specific consumption</i>		6.78 l/h	264 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	21.9 kW	2299 min ⁻¹	627 min ⁻¹
<i>Hourly and specific consumption</i>		6.78 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	19.9 kW	1980 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		5.94 l/h	255 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		106.6 Nm	1467 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	6.50 - 16	11.2 - 24
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1818 kg	2065 kg
<i>Maximum drawbar pull</i>	15.0 kN	16.2 kN
<i>at speed of</i>	1.96 km/h	1.97 km/h
<i>Maximum power</i>	17.9 kW	17.9 kW
<i>at speed of</i>	9.48 km/h	9.49 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	18.7 l/min	13.2 MPa	4.1 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		9.0 kN	5.2 kN