



OECD approval number

1/2 090

OECD approval date

Full Code
17/11/2003

Make

Futian Oubao

Model

FT704

Type

4 WD

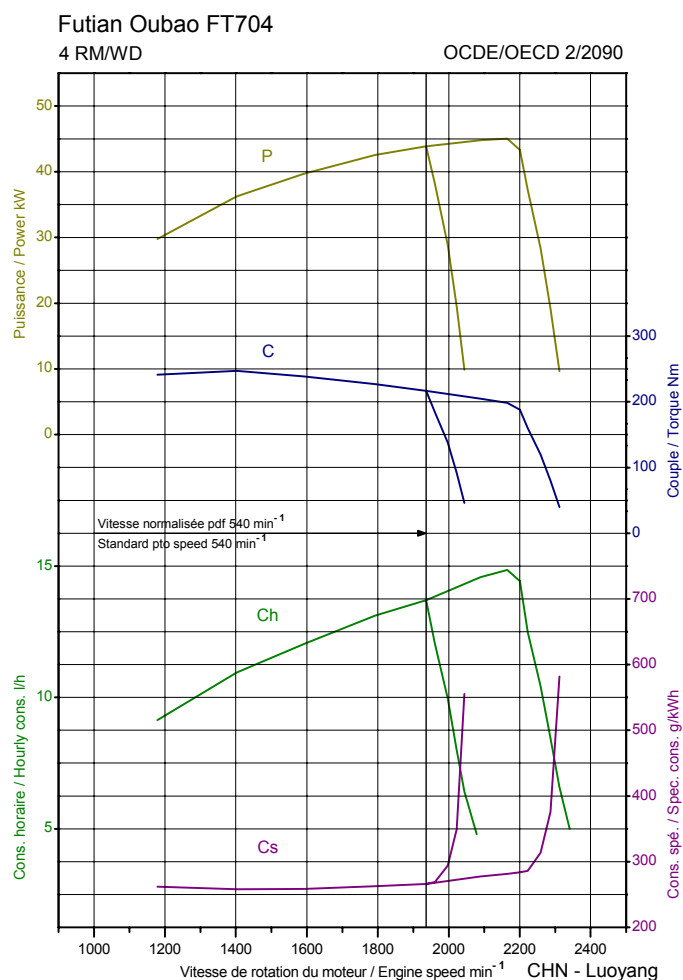
Manufacturer

30 km/h
Beiqi Futian Weifang

Agricultural Equipment Branch Co.

Testing station:

COTTEC, Luoyang, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	LR4105T68-1
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4330 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 2.27	to 32.35 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>	614 min ⁻¹	None
<i>Diameter of the shaft</i>	34.79 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>	43.3 kW	2201 min ⁻¹	614 min ⁻¹
<i>Hourly and specific consumption</i>		14.43 l/h	284 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	43.3 kW	2201 min ⁻¹	614 min ⁻¹
<i>Hourly and specific consumption</i>		14.43 l/h	284 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	43.9 kW	1936 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		13.70 l/h	266 g/kWh

Torque rise

		31.3 %	
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Maximum torque, Engine speed corresponding

	246.9 Nm	1402 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	8.30 - 24	16.9 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3038 kg	3790 kg
<i>Maximum drawbar pull</i>	24.1 kN	29.3 kN
<i>at speed of</i>	2.00 km/h	1.99 km/h
<i>Maximum power</i>	35.5 kW	37.5 kW
<i>at speed of</i>	7.80 km/h	9.02 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>	34.9 l/min	12.0 MPa	7.0 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		20.9 kN	14.1 kN