



OECD approval number

1/2 113

OECD approval date

Full Code
11/03/2004

Make

Huanghai

Model

JM704

Type

4 WD

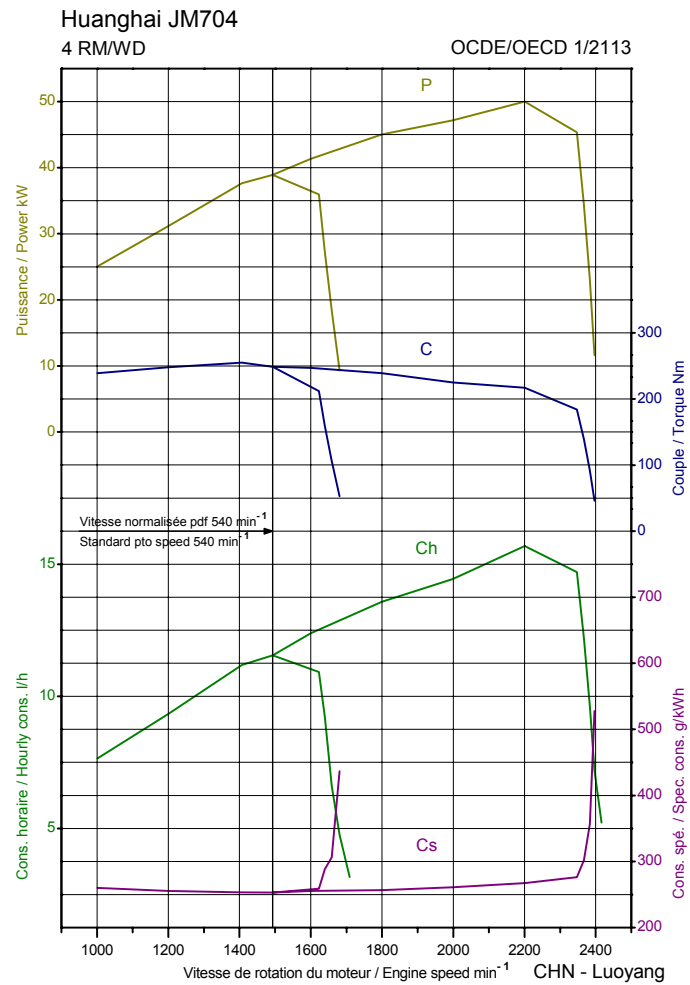
30 km/h

Manufacturer

Yancheng Tractor Works

Testing station:

COTTEC, Luoyang, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	LR4105T79
<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>	796 min ⁻¹	None
<i>Diameter of the shaft</i>	38 mm	
<i>Number of splines</i>	8	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	50.0 kW	2201 min ⁻¹	796 min ⁻¹
<i>Hourly and specific consumption</i>		15.69 l/h	267 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	50.0 kW	2201 min ⁻¹	796 min ⁻¹
<i>Hourly and specific consumption</i>		15.69 l/h	267 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	38.9 kW	1493 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		11.55 l/h	253 g/kWh

Torque rise

		17.5 %	
--	--	--------	--

Maximum torque, Engine speed corresponding

255.0 Nm	1407 min ⁻¹
----------	------------------------

Drawbar Test*Front tyres, Rear tyres*

8.3 - 24	14.9 - 30
----------	-----------

Test with tractor

<u>unballasted</u>	<u>ballasted</u>
--------------------	------------------

Total Mass

2870 kg	3436 kg
---------	---------

Maximum drawbar pull

25.9 kN	27.7 kN
---------	---------

at speed of

2.03 km/h	3.42 km/h
-----------	-----------

Maximum power

38.2 kW	39.3 kW
---------	---------

at speed of

7.56 km/h	7.31 km/h
-----------	-----------

Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	33.6 l/min	14.4 MPa	8.1 kW
-----------------------------------	------------	----------	--------

Maximum lifting force

<i>at hitch points, at frame</i>	26.7 kN	14.4 kN
----------------------------------	---------	---------