



OECD approval number

2/2 397

OECD approval date

19/02/2008

Make

YTO

Model

304

Type

4 WD

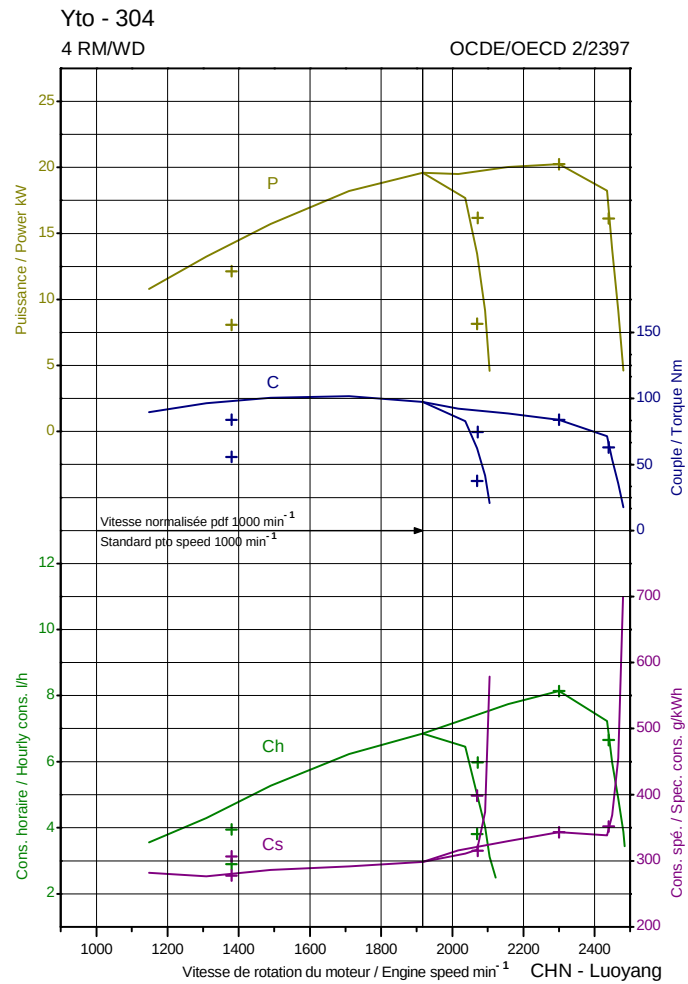
30 km/h

Manufacturer

China YTO (Yituo) Group Co., Ltd.

Testing station:

COTTEC, Luoyang, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	YTR2105T51SA
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	2	vertical in line
<i>Capacity, Cooling</i>	2078 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 2.17 to 28.40 km/h
<i>Standard Power take-off speed</i>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		627 min ⁻¹ 1200 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>	20.2 kW	2300 min ⁻¹	1200 min ⁻¹
<i>Hourly and specific consumption</i>		8.14 l/h	343 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	20.2 kW	2300 min ⁻¹	1200 min ⁻¹
<i>Hourly and specific consumption</i>		8.14 l/h	343 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	19.6 kW	1917 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		6.85 l/h	298 g/kWh

Torque rise

			21.1 %
<u>Maximum torque, Engine speed corresponding</u>		101.7 Nm	1710 min ⁻¹

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>	1840 kg	2078 kg
<i>Maximum drawbar pull</i>	15.5 kN	15.8 kN
<i>at speed of</i>	2.00 km/h	2.00 km/h
<i>Maximum power</i>	17.4 kW	18.4 kW
<i>at speed of</i>	6.30 km/h	6.28 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 (couplers: 1 pair)</i>	23.8 l/min	13.8 MPa	5.5 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	23.9 l/min	13.8 MPa	5.5 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		11.2 kN	7.5 kN