



OECD approval number

2/2 400

OECD approval date

19/02/2008

Make

YTO

Model

504

Type

4 WD

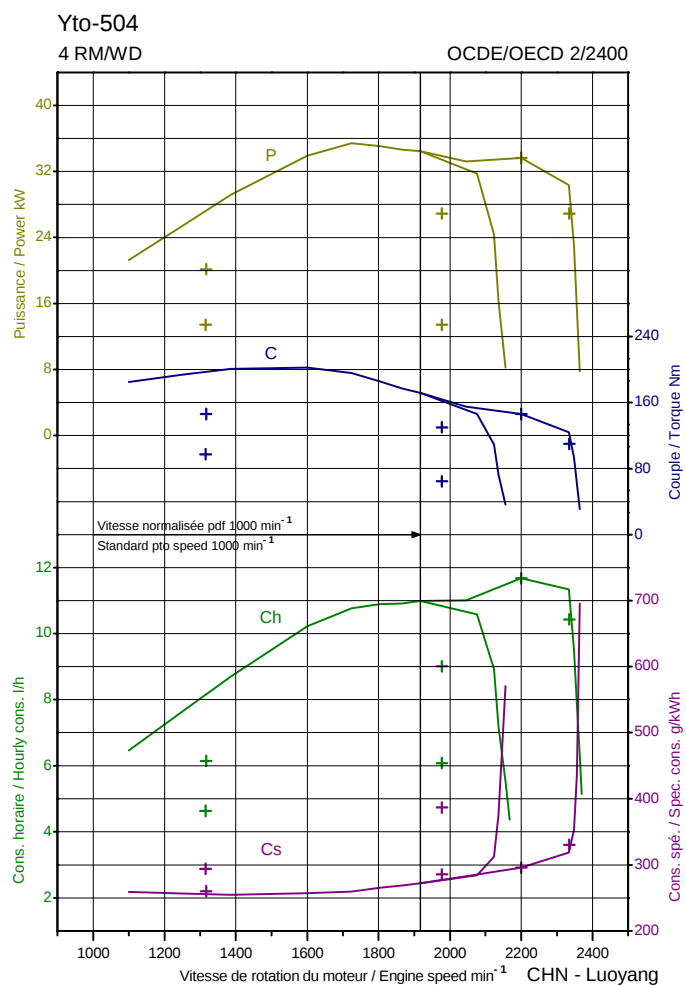
30 km/h

Manufacturer

China YTO (Yituo) Group Co., Ltd.

Testing station:

COTTEC, Luoyang, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Dongfanghong	YTR4105T54SA
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4156 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 2.45 to 32.17 km/h
<i>Standard Power take-off speed</i>		540 min^{-1} 1000 min^{-1}
<i>Power take-off speed at rated engine speed</i>		600 min^{-1} 1148 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>	35.4 kW	1725 min^{-1}	900 min^{-1}
<i>Hourly and specific consumption</i>		10.77 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	33.7 kW	2200 min^{-1}	1148 min^{-1}
<i>Hourly and specific consumption</i>		11.68 l/h	296 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	34.5 kW	1917 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		10.99 l/h	272 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	202.4 Nm	1600 min^{-1}	38.5 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	8.3 - 20	13.6 - 28
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2248 kg	2526 kg
<i>Maximum drawbar pull</i>	19.3 kN	21.8 kN
<i>at speed of</i>	2.26 km/h	3.26 km/h
<i>Maximum power</i>	29.9 kW	31.1 kW
<i>at speed of</i>	7.88 km/h	7.87 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>	Opened centre		
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	27.6 l/min	15.2 MPa	7.0 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	27.7 l/min	15.2 MPa	7.0 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>	15.0 kN	10.1 kN	