



OECD approval number

2/2 368

Restricted Code

OECD approval date

10/04/2007

Make

YTO

Model

X804

Type

4 WD

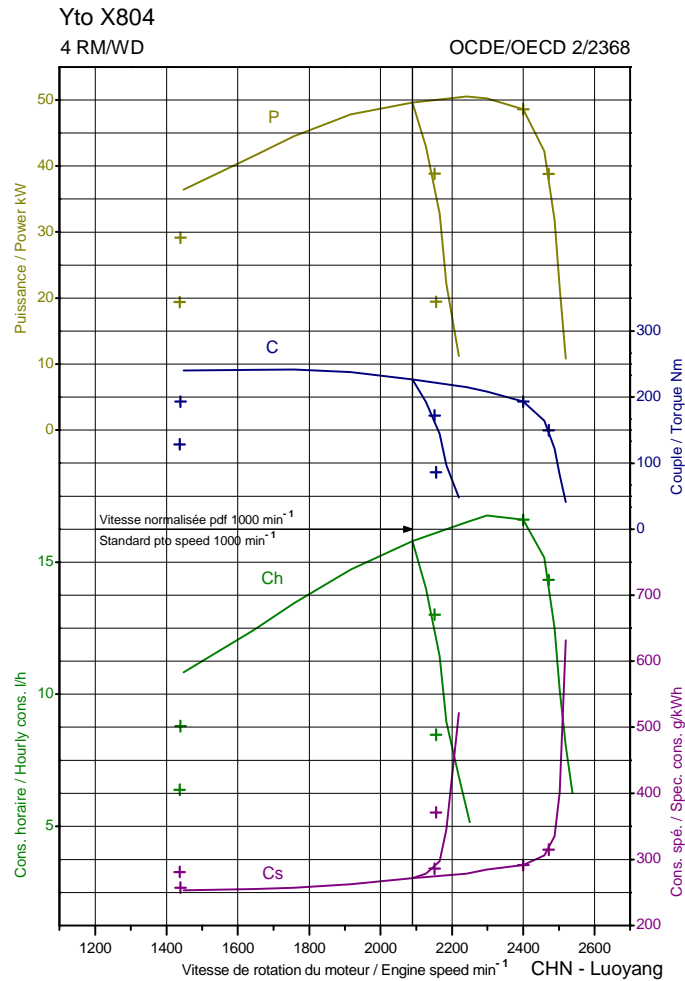
Dongfanghong - 30 km/h

Manufacturer

China Yituo Group Co., Ltd

Testing station:

COTTEC, Luoyang, China



**Engine, Transmission, Power take-off Specifications**

|   |                      |  |
|---|----------------------|--|
| <i>Make, Model</i>                                | Dongfanghong         | 4MBT-77E   |
| <i>Type, Supercharging</i>                        | Direct injection     | None   |
| <i>Cylinders, Disposition</i>                     | 4                    | vertical in line   |
| <i>Capacity, Cooling</i>                          | 4750 cm <sup>3</sup> | By water   |
| <i>Gear box</i>                                   |                      | Mechanical   |
| <i>Number of forward and reverse speeds</i>       |                      | 12 4   |
| <i>Speed at rated engine speed</i>                |                      | from 1.73 to 28.50 km/h                                  |
| <u>Standard Power take-off speed</u>              |                      | <u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> |                      | 643 min <sup>-1</sup> 1150 min <sup>-1</sup>             |
| <i>Diameter of the shaft</i>                      |                      | 35 mm 35 mm  |
| <i>Number of splines</i>                          |                      | 6 21   |

**Power take-off Test**

|  |         |                        |                        |
|--|---------|------------------------|------------------------|
| <u>Two hours test at maximum power</u>             |         |                        |                        |
| <i>Power, Engine and Power take-off speed</i>      | 50.6 kW | 2241 min <sup>-1</sup> | 1073 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>             |         | 16.51 l/h              | 278 g/kWh              |
| <u>Test at maximum power at rated engine speed</u> |         |                        |                        |
| <i>Power, Engine and Power take-off speed</i>      | 48.6 kW | 2400 min <sup>-1</sup> | 1149 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>             |         | 16.61 l/h              | 291 g/kWh              |
| <u>Test at standard Power take-off speed</u>       |         |                        |                        |
| <i>Power, Engine and Power take-off speed</i>      | 49.6 kW | 2089 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>             |         | 15.80 l/h              | 271 g/kWh              |
| <u>Torque rise</u>                                 |         |                        | 25.2 %                 |
| <u>Maximum torque, Engine speed corresponding</u>  |         | 242.2 Nm               | 1757 min <sup>-1</sup> |

**Drawbar Test**

|                                |  |                    |                  |
|--------------------------------|--|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> |  | 11.2 - 28          | 16.9 - 34        |
| <u>Test with tractor</u>       |  | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>              |  | 3759 kg            | 4464 kg          |
| <i>Maximum drawbar pull</i>    |  | 33.3 kN            | 38.2 kN          |
| <i>at speed of</i>             |  | 2.45 km/h          | 2.36 km/h        |
| <i>Maximum power</i>           |  | 43.7 kW            | 45.7 kW          |
| <i>at speed of</i>             |  | 8.88 km/h          | 8.82 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>       | 37.8 l/min | 15.6 MPa | 9.8 kW        |
| <i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i> | 38.3 l/min | 16.0 MPa | 10.2 kW       |
| <u>Maximum lifting force</u>                               |            |          |               |
| <i>at the hitch points, at frame</i>                       |            | 18.2 kN  | 16.0 kN       |

