



OECD approval number

2/1 837

Restricted Code

OECD approval date

28/07/1999

Make

ZTS

Model

164 45

Type

4 WD

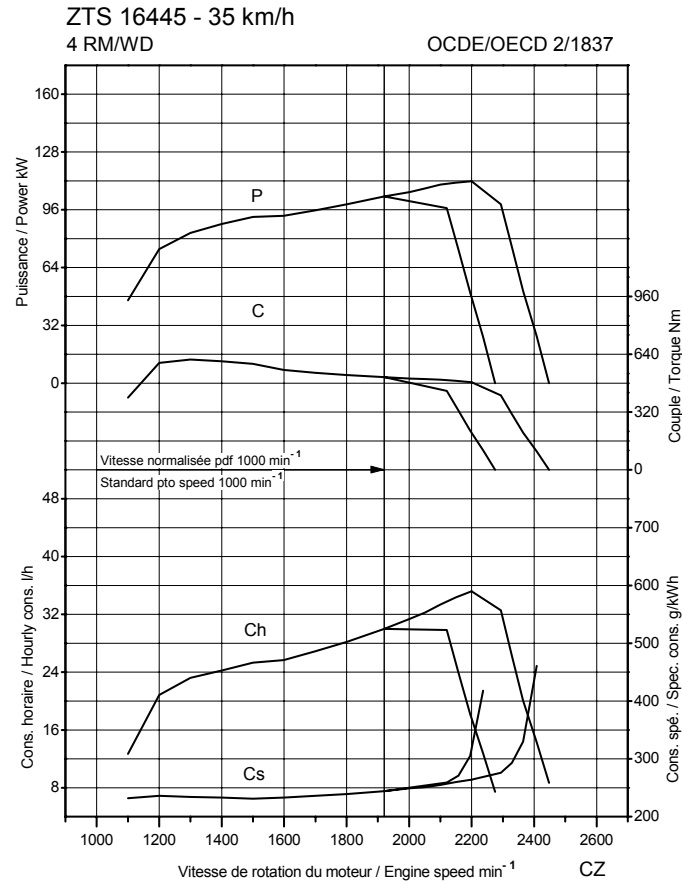
Emissions Compliant Eng. - 35 km/h

Manufacturer

ZTS TEES Martinské strojárne a.s.

Testing station:

SZZPLS, Praha, Czech Republic



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Martin Diesel	Z 8604.030
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7299 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	16	8
<i>Speed at rated engine speed</i>	from 2.55	to 33.80 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>	629 min ⁻¹	1146 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	111.8 kW	2200 min ⁻¹	1146 min ⁻¹
<i>Hourly and specific consumption</i>		35.19 l/h	264 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	111.8 kW	2200 min ⁻¹	1146 min ⁻¹
<i>Hourly and specific consumption</i>		35.19 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	103.3 kW	1920 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		30.00 l/h	244 g/kWh

Torque rise

		25.9 %	
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Maximum torque, Engine speed corresponding

611.2 Nm	1300 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

14.9 - 28	20.8 R 38
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

5595 kg

Maximum drawbar pull

50.2 kN

at speed of

4.53 km/h	<i>Not required</i>
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Maximum power

94.8 kW

at speed of

13.23 km/h	<i>in Code 2</i>
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	44.0 l/min	15.3 MPa	11.2 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		57.8 kN	39.5 kN
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