



OECD approval number

1/1 990

OECD approval date

Full Code

10/07/2002

Make

Tafe

Model

4010 DE

Type

2 WD

Manufacturer:

M/s Tractors and Farm Equipment Ltd. CHENNAI

Testing station:

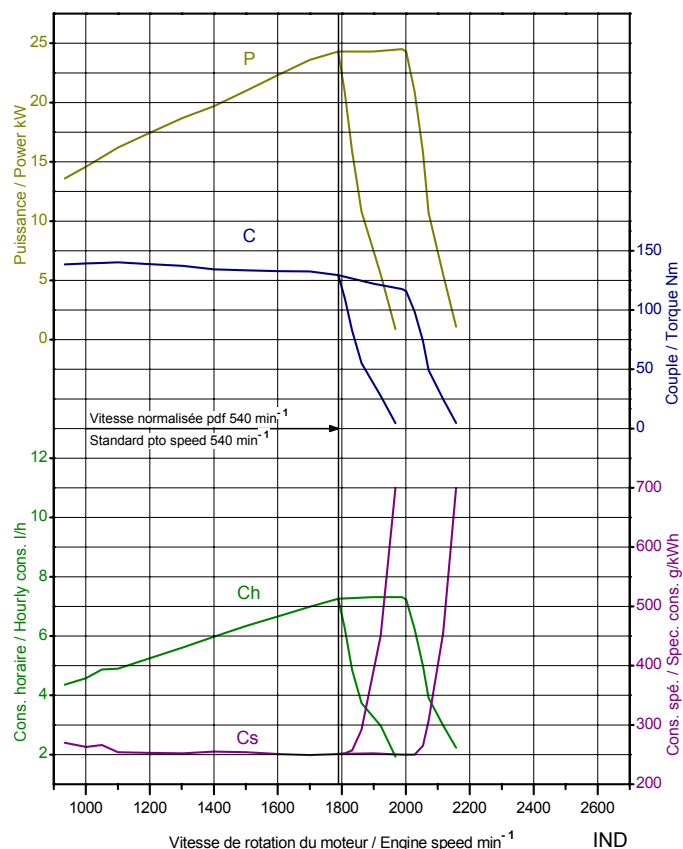
Central Farm Machinery

Training and Testing Institute, Budni, India

Tafe 4010 DE

2 RM/WD

OCDE/OECD 1/1990



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Simpsons	S 325.2
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	3	in line
<i>Capacity, Cooling</i>	2500 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 2.21	to 23.80 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>	604 min ⁻¹	None
<i>Diameter of the shaft</i>	34.73 mm	
<i>Number of splines</i>	6	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	24.5 kW	1988 min ⁻¹	600 min ⁻¹
<i>Hourly and specific consumption</i>		7.31 l/h	250 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	24.3 kW	2001 min ⁻¹	604 min ⁻¹
<i>Hourly and specific consumption</i>		7.23 l/h	250 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	24.3 kW	1789 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		7.26 l/h	251 g/kWh

Torque rise

		21.1 %	
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<u>Maximum torque, Engine speed corresponding</u>	140.4 Nm	1100 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	6.00 - 16	12.4 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1650 kg	2550 kg
<i>Maximum drawbar pull</i>	11.2 kN	18.3 kN
<i>at speed of</i>	3.03 km/h	3.73 km/h
<i>Maximum power</i>	20.0 kW	20.2 kW
<i>at speed of</i>	8.49 km/h	8.51 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>			Opened centre
<i>Maximum lifting force at hitch points, at frame</i>		13.7 kN	12.8 kN
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	15.8 l/min	19.0 MPa	5.0 kW