



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 744

01/02/2013

International Tractors Limited

Sonalika International DI-20 Gardentrac

4WD

Mechanical - 15 km/h

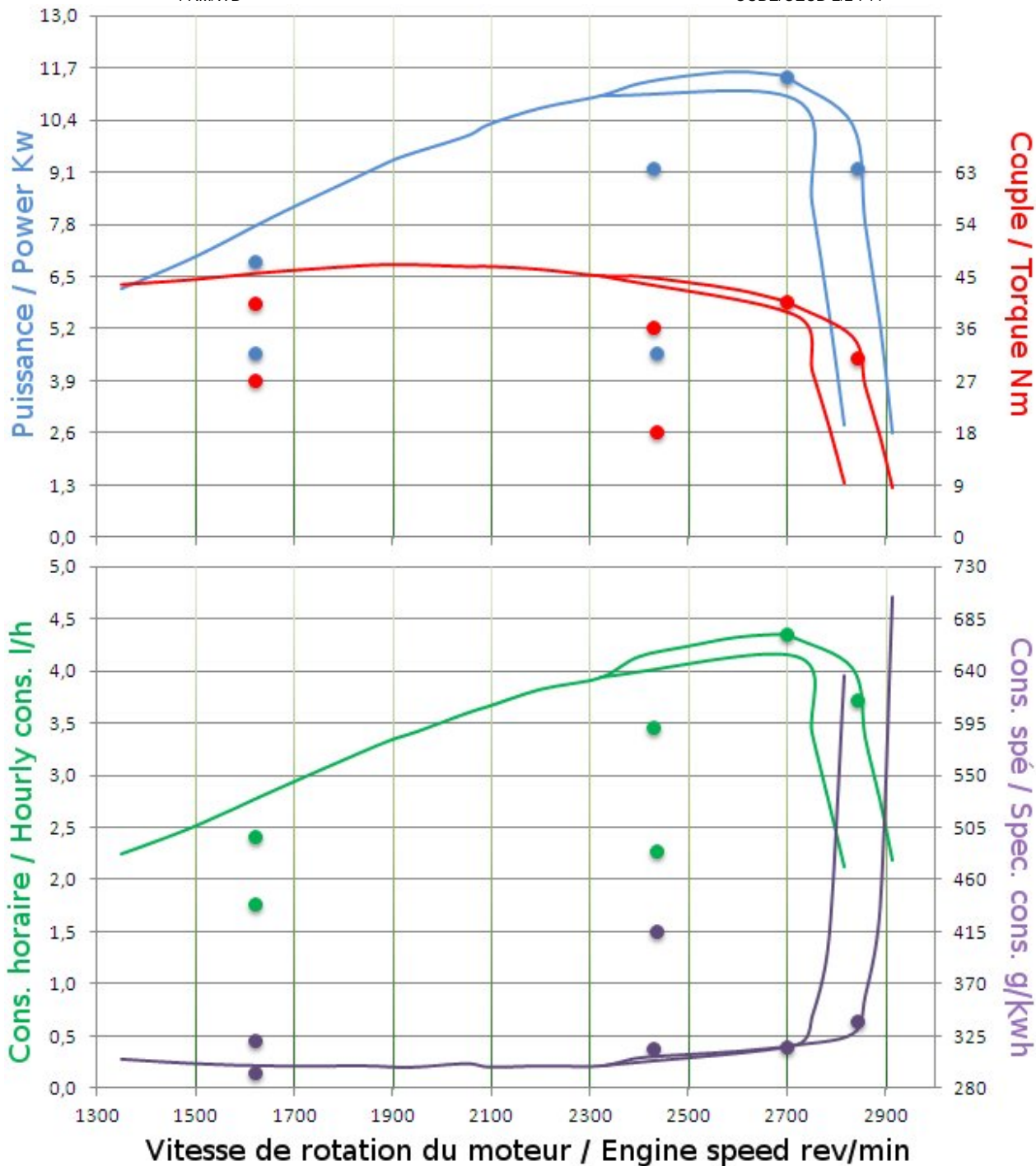
M/s International Tractors Limited

BUDNI - INDIA

International Tractors Limited Sonalika International DI-20 Gardentrac

4 RM/WD

OCDE/OECD 2/2 744



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	MHI-VST Diesel Engines Private Limited	MVL3E
<i>Type, Supercharging</i>	Indirect injection	Yes
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	952 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	6	2
<i>Speed at rated engine speed</i>	from 1,30	to 14,53 km/h
<u>Standard Power take-off speed</u>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	628 min <sup>-1</sup>	
<i>Diameter of the shaft</i>	34,83 mm	Not
<i>Number of splines</i>	6	Applicable

### Power take-off Test

#### One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	11,6 kW	2799 min <sup>-1</sup>	651 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		4,45 l/h	321 g/kWh

#### Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	11,5 kW	2700 min <sup>-1</sup>	628 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		4,36 l/h	317 g/kWh

#### Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	11,0 kW	2322 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		3,94 l/h	299 g/kWh

#### Torque rise

<i>Maximum torque, Engine speed corresponding</i>	47,1 Nm	1901 min <sup>-1</sup>	15,4 %
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### Drawbar Test

<i>Front tyres, Rear tyres</i>	5 - 12	8 - 18
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	780 kg	
<i>Maximum drawbar pull</i>	7,04 kN	
<i>at speed of</i>	3,05 km/h	Not
<i>Maximum power</i>	11,1 kW	Applicable
<i>at speed of</i>	8,40 km/h	

### Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	12,30 l/min	15,00 MPa	3,1 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		Not	Applicable
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		5,72 kN	5,65 kN