

Inspection and Quality Control Center  
Agriculture Machinery Center, Bondey, Paro

### Power Tiller: Test Result Sheet

Model: *KUBOTA RT125*

Manufacturer: *KUBOTA Co.Ltd.*

#### 1 Overall Dimensions (mm):

Length: *2376*

Width: *884*

Height: *810*

Engine: *4-strokes diesel, Single cylinder, Direct Injectio, Water cooled*

Rated Engine Speed (rpm):

*2400*

Maximum Power (HP) / Speed (rpm):

*12.5/2400*

Transmission: *Mechanical, 6 forwards and 2 reverse gears, main disk clutch and steering clutch*

Maximum Travelling Speed (km/h):

*Forward 17.1*

*Reverse 5.0*

Tyre: *Pneumatic*

Size:

*6-12 inch*

Tread (mm): *700*

#### Implement:

Plow:

*Matsuyama MR-83*

Rotary:

*(Standard model of RT-125)*

Trailer:

*(Wangchuk Agro Engineering made)*

Overall length (mm)	Overall width (mm)	Overall height (mm)	Maximum load (kg)
<i>2670 *1)</i>	<i>1445 *2)</i>	<i>860 *3)</i>	<i>500</i>

*\*1) Without drawbar*

*\*2) Outside of both tyres*

*\*3) Up to surface of the seat*

#### 2 Test Result

##### 2.1 Safety Device Test:

Remarks: *A guard or cover driving pulley and v-belt is recommended to be equipped.*

##### 2.2 Maximum Output Engine Power Test:

Remarks: *Rated engine power and fuel consumption was confirmed at testing location in high altitude (Paro). No abnormality was found.*

Atmospheric condition: *Temp. 27 °C, Humid. 58 %, Press. 772 hPa*

##### 2.3 Operation Test (Field)

###### 2.3.1 Field efficiency test:

Test condition: *Plowing and rotavating after plowing,  
In 2 paddy fields (0.11 & 0.12 acre)*

Remarks: *Operation was smoothly conducted without mechanical failure.*

###### 2.3.2 Handling test

Remarks: *No defects nor difficulties were found. Noise and vibration values were within the standard .*

##### 2.4 Operation Test (Road)

###### 2.4.1 Servicing brake test

Travelling speed: *16.40 km/h*

Remarks: *No abnormality was found. Stopping distance was within the standard.*

###### 2.4.2 Parking brake test

Remarks: *No abnormality was found. Operation force was not high.*

##### 2.5 Water Proofing Test

Remarks: *No abnormality was found*

*Based on the draft national test code and standard of power tiller, this model of machine is tested and certified by Agriculture Machinery Center, Paro in Bhutan.*