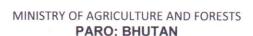


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AGRICULTURE MACHINERY CENTRE





Test Result Sheet/AMC No: 2015001

Date: 01.04.2015

Type of Machine:- Power Tiller

Model: Kubota RT125

Manufacturer: Kubota Co. Limited

1. Specification:

a. Structure:

Overall length (mm)	Overall width (mm)	Overall height (mm)
2290	710	1200

b. Engine: 4 strokes, Diesel, Single Cylinder, Direct Injection, Rated Engine Speed: 2400 rpm, Maximum

Power: 12.5 hp

c. Transmission: Mechanical, 6 Forward and 2 Reverse gears, Dry Multi Plate Clutch and Dog Steering Clutch, Nominal Speed at Highest Gear: 18 (km/h)

d. Tyre: Pneumatic

Size: - 6 - 12

Tread: - 700

e. Implements:

1. Plow: Matsuyama MR - 83

2. Rotary: Standard Model of RT125

3. Trailer: Wangchuk Agro Engineering Make

2. Test Result:

2.1 Safety Device:-

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

2.2 Maximum Output Engine Power at 2250 masl:- (Standard: ≤30% power reduction)

Particular	Rated	Manufacturer	Max output	Engine Power
rarcicarar	rpm	Max rated	Engine Power	Reduction (%)
		Power (hp)	(hp)	
Mean	2400	12.5	9.24±0.28	26.08±2.29

Atmospheric Condition:

Temperature: 27 °C, Relative Humidity; 58 %, Pressure: 772 hpa

2.3 Operation Test

2.3.1 Field Efficiency:-

Implements	Gear	Field capacity	Fuel Consumption (L/
used	position	(acre/day)(Mean Value)	day)(Mean Value)
Plow	4	1.16±0.06	4.78±0.42
Rotary	3	3.95±0.15	8.77±0.84

Note: One day is expressed for 7 working hours

2.3.2 Vibration Level:- (Standard: ≤15m/sec² at normal condition)

Test Points	Mean Value (m/sec ²) at different Throttle Positions (
	Low	Middle	High
Right Handle	6.78±0.86	4.56±0.46	6.16±0.35

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र्वे वया तस्वा क्या है पा AGRICULTURE MACHINERY CENTRE

MINISTRY OF AGRICULTURE AND FORESTS
PARO: BHUTAN

Left Handle	6.14±0.77 6.75±		5.28±0.17	
Test Points	Mean Value (m/sec ²) at normal operation (Field)			
Right Handle	4.16		0.17	
Left Handle		3.89±0.19		
2.3.3 Sound Level: (Standa	ard:<100dB(A))		80	
Operation (Field),	, ,,	Noise Level	el (dB), Position	
Running	Running		Right	
Mean	78.63±		78.13±2.65	
2.3.4 Service Brake Value:	(Standard: <5 m stopping	distance)		
Parameters	With load (M	lean Value)	Without load(Mean Value	
Stopping distance (m)	3.45±	0.25	2.83±0.14	
		:0.63	16.45±0.08	
2.3.5 Parking Brake Value	(Standard: No wheel mov	ement at 18% slo	ope)	
Parking	WI	neel movement	observation	
Brake Lever	Facing Upward		Facing Downward	
Engaged	No movement		No movement	
2 2 6 U				
2.3.6 Handling Remarks: 1	he machine was operated	in smooth norma	al condition without hindrance	
	he machine was operated (Standard: Water should		al condition without hindrance	
2.3.5 Handling Remarks: 1 2.3.7 Water Proofing Test: Items		not enter)	ol condition without hindrance	
2.3.7 Water Proofing Test:	(Standard: Water should	not enter) Obse		
2.3.7 Water Proofing Test: Items	(Standard: Water should in axle case	not enter) Obse	rvations	

Agriculture Machinery Certification Section
AMC/DoA/MoAF: Paro

Head, AMCS



Agriculture Machinery Centre
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