



भारत सरकार / Government of India

उत्तरी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान / Northern Region Farm Machinery Training and Testing Institute

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[ ISO - 9001 : 2015 CERTIFIED ]

## TECHNICAL SPECIFICATIONS FOR POWER OPERATED CHAFF CUTTER

<b>1.1</b>	<b>General:</b>	
	Name of machine	:
	Name and address of manufacturer	:
	Name and address of applicant	:
	Make	:
	Model	:
	Type	:
	Serial no.	:
	Year of manufacture	:
	Country of origin	:
	Suitability of machine	:
	Recommended motor power requirement, hp	:
<b>1.2</b>	<b>Brief specifications of prime mover used:</b>	
	Type	:
	Make and model	:
	Motor serial no.	:
	No load motor speed	:
	Motor power, kW	:
	Whether the prime mover has already been test by authorized testing center (YES/NO)	:
If yes, then specify the valid test report No. and upload copy of the test report along with Application Form	:	
<b>1.3</b>	<b>Constructional details:</b>	
<b>1.3.1</b>	<b>Main frame</b>	
	Type	:
	Material & size, mm	:
	Dimensions of frame, mm	:

Name of the Manufacturer/ Applicant	Document No, if any Revision status	Name of the Test Agency: NRFMTTI, Hisar
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<b>1.3.1.2</b>	<b>Mounting frame for prime mover:</b>	
	Constructional detail	:
	Material & size, mm	:
	Dimensions of frame, mm	:
	Method of mounting	:
<b>1.3.2</b>	<b>Chaff cutter assembly:</b>	
<b>1.3.2.1</b>	<b>Main power transmission:</b>	
	Type	
	Size of drive pulley, mm	:
	Size of driven pulley, mm	:
	Type & size of belt	:
	Reduction ratio	:
	Arrangement for belt tensioning	:
<b>1.3.2.2</b>	<b>Cutter head:</b>	
	<b>Fly-wheel:</b>	
	Number	:
	Material	:
	Diameter of fly-wheel, mm	:
	Thickness of fly-wheel, mm	:
<b>1.3.2.2.1</b>	<b>Blades:</b>	
	Type	:
	Number of blades	:
	Number of optional blades	:
	Material of blades	:
	Size of blades L × W × T, mm	:
	Method of mounting	:
		:
<b>1.3.2.2.2</b>	<b>Shear plate (Fixed edge):</b>	
	Number	:
	Material	:
	Size (L x W x T), mm	:
	Method of mounting	:
	Recommended clearance between fixed & rotating blades	:
	Method of clearance adjustment	:
<b>1.3.2.4</b>	<b>Feeding assembly:</b>	
<b>1.3.2.4.1</b>	Type	:
	Material	:
	Size of feeding chute unit (L x W x T), mm	:
	Height of feeding trough, mm	:
	Angle of inclination of tray, degree	:

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<b>1.3.2.4.2</b>	<b>Gear box:</b>		
	Type	:	
	Material	:	
	Number of teeth on worm	:	
	Number of teeth on gear	:	
	Method of power transmission	:	
	Method of lubrication	:	
	Recommended lubricant	:	
<b>1.3.2.4.3</b>	<b>Feed Rollers:</b>		
	Number of rollers	:	
	Type	:	
	Material	:	
	Size of upper roller, mm	:	
	Size of lower roller, mm	:	
	Number of teeth & their configuration on upper roller	:	
	Number of teeth & their configuration on lower roller	:	
	Number of strips & their configuration on additional roller	:	
	Pitch of teeth, mm	:	
	Size of upper roller shaft, mm	:	
	Size of lower roller shaft, mm	:	
	<b>Space between the axes of upper &amp; lower roller shaft, mm:</b>		
	- Minimum	:	
	- Maximum	:	
	Method of space adjustment	:	
	Speed of feeding rollers corresponding to ----- motor rpm, rpm	:	
	<b>1.3.3</b>	<b>Outlets:</b>	
No. of outlets		:	
Size of opening (L x W x H), mm		:	
Height from ground level, mm		:	
<b>1.3.4</b>	<b>Details of safety arrangements:</b>		
<b>1.3.5</b>	<b>Overall dimensions (mm):</b>		
	-Length	:	
	-Width	:	
	-Height	:	
<b>1.3.6</b>	<b>Mass of Machine (Kg): -</b>	:	
<b>1.3.7</b>	<b>Colour of machine</b>	:	

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1.3.8	Details of Labeling plate on machine:
1.3.9	Details of Labeling plate on prime mover:

**Place:**

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**Date:**

**Signature**-----

Name of the applicant-----

Designation-----

Address-----

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