



भारत सरकार /GOVERNMENT OF INDIA

उत्तरी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Northern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, सिरसा रोड, हिसार)हरियाणा—(125001 TRACTOR NAGAR, SIRSA ROAD, HISAR (HARYANA)- 125 001

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TECHNICAL SPECIFICATIONS FOR MULCHER

1.1	General:		
	Name of manufacturer and address	:	
	Name of applicant and address	:	
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Serial number	:	
	Year of manufacture	:	
	Country of origin	:	
	Type of blade	:	
	Working width of implement, mm	:	
Recommended power source, kW	:		
1.2	Prime mover details as per labelling plate:		
	-Make	:	
	-Model	:	
	-Engine Sr. No.	:	
	-Chassis Sr. No.	:	
	-Year of manufacturer	:	
	- Max. PTO power, kW	:	
- Specific fuel consumption, g/kWh	:		
1.3	Constructional details	:	
1.3.1	Shield (Top Cover):		
	Material	:	
	Size of shield (L x W x T), mm	:	

Name of the Manufacturer/ Applicant	Document No, if any Revision status	Name of the Test Agency: NRFMTTI,Hisar
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1.3.2	Side plates:	
	Material	:
	Size, mm	:
	Method of fixing	:
1.3.3	Trailing Board:	
	Type	:
	Material	:
	Size of board, mm	:
	Thickness of sheet, mm	:
	No. of bush	:
	Length of bush, mm	:
	Dia. of bush (OD/ID), mm	:
	Size of hinging rod, mm	:
	No. of Hinged	:
	Method of mounting	:
1.3.4	Rotor Assembly:	
1.3.4.1	Rotor:	
	Type of rotor	:
	Size of rotor, mm	:
	No. of blade mounting unit	:
	No. of blades on each mounting unit	:
	Method of mounting blades on mounting unit	:
	Distance between two straight blades, mm	:
	Diameter of rotor with blades, mm (straight)	:
	Diameter of rotor with blades, mm (J shape)	:
	Method of fixing of rotor	:
	Working width of rotor assembly, mm	:

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1.3.4.2	Rotor blades:	
	Number	:
	Material	:
	Type	:
	Overall thickness of blade (mm):	
	-J shape blade	:
	-Straight blade	:
	Thickness of cutting edge (mm):	
	-J shape blade	:
	-Straight blade	:
	Length of cutting edge:	
	-J shape blade	:
	-Straight blade	:
	Speed of rotor shaft corresponding to 540 rpm of PTO shaft, rpm	:
Peripheral speed of rotor (m/min):		
-J shape blade	:	
-Straight blade	:	
1.3.4.3	No of flap of rotor assembly	:
1.3.4.4	Fixed knife blade:	
	Spacing between one pair of knife blades, mm	:
	Spacing between adjacent pair of knife blade, mm (between last of first pair to first of last pair), mm	:
	No. of blades	:
	Method of fixing	:
1.4	Straw pressing device:	
	Type	:
	Size (L x Dia.), mm	:
	Method of fixing	:
1.5	Hitch pyramid:	
	Constructional details	:

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1.5.1	Mast:	
	Constructional details	:
	Size of M.S. plate (L x W x T), mm	:
1.6	Power transmission system:	
	Method of operation	:
1.6.1	Primary reduction:	
	Type	:
	No. of teeth on crown (Drive) gear	:
	No. of teeth on pinion (Driven)	:
	Reduction ratio at gear box	:
	Oil capacity, l	:
	Recommended grade of oil	:
	Oil change period, h	:
	Length of power transmission shaft (from gear box to secondary reduction unit), mm	:
	Dia. of shaft, mm	:
	Provision of breather	:
	Provision for checking oil level	:
	No. of bearing	:
1.6.2	Secondary reduction:	
	Type	:
	Dia. of drive pulley	:
	Dia. of driven pulley	:
	No. & size of belt	:
	Speed reduction ratio	:
1.6.3	Power take off drive shaft:	
	Type	:
	Length of the shaft (mm):	
	- Closed	:
	-Extended	:
	Mass of shaft, kg	:

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	Provision against overload	:	
	Guard over Shaft	:	
1.7	Overall dimensions:		
	Length (mm)	:	
	Width (mm)	:	
	Height (mm)	:	
1.8	Operational mass (kg)	:	
1.9	Colour of machine	:	
2.0	Labelling plate details:		

Date:
Place:

Signature:
Name of signatory:
Designation:
Name & address of firm:

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