



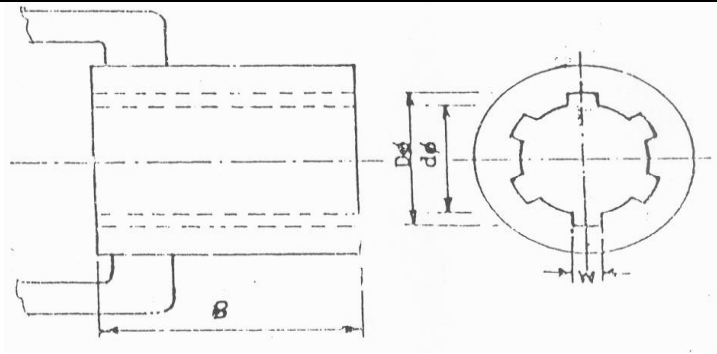
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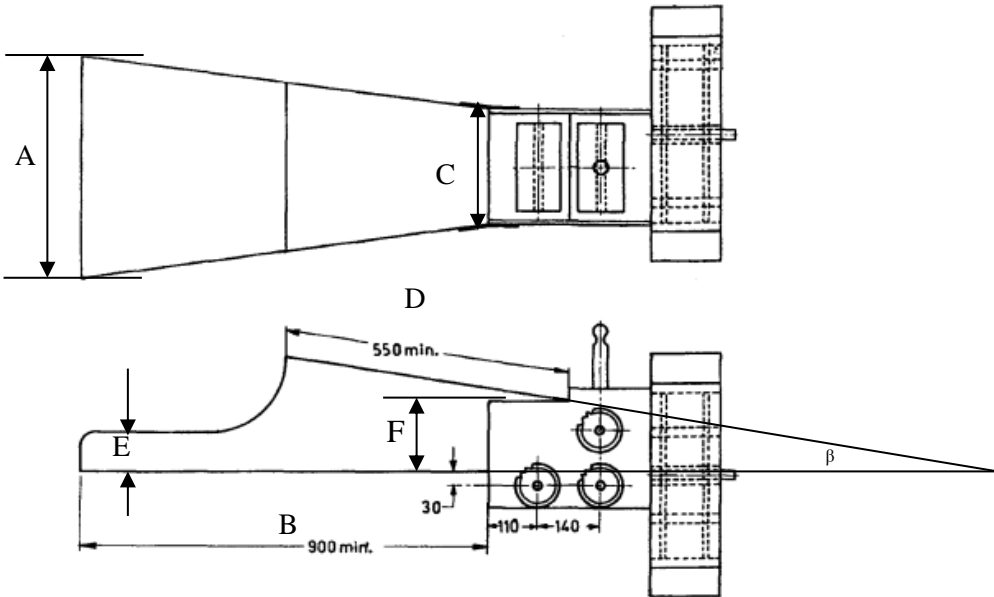
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SPECIFICATION SHEET OF TRACTOR OPERATED CHAFF CUTTER

1.1	General:-		
	Manufacturer	:	
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Serial No.	:	
	Year of manufacture	:	
	Suitability	:	
1.2	Constructional details: -		
1.2.1	Frame		
	Type	:	
	Material	:	
	Size, (L x B x T) mm	:	
1.2.2	Power Unit: -		
	Provision	:	Tractor operated
	Recommended power, kW	:	
1.2.3	Power Transmission		
	Method of transmission	:	
1.2.3.1	Propeller shaft		
	Type	:	
	Length of shaft, mm		
	Maximum	:	
	Minimum	:	
	Mass of shaft, kg	:	
	Provision of locking	:	

	Hub Dimension, mm Refer Fig 1 As per IS 4931:1995			
	Notations	As per IS:4931:1995, mm	As observed, mm	Remarks
	D ϕ	34.93 \pm 0.03		
	d ϕ	29.7 \pm 0.7		
	W	8.69 (Min)		
	B	--		
	<div></div> <p style="text-align: center;">Fig 1 Hub dimensions, mm</p>			
1.2.4	Main Drive			
	Type	:		
	No. & Size of belt	:		
	Size of pulley (Driving), mm	:		
	Size of pulley (Driven), mm	:		
	Diameter of main shaft, mm	:		
1.2.5	Cutter Head			
	Type	:		
	Number of blades	:		
	Material	:		
	Diameter of flywheel, mm	:		
	Size of throat, mm	:		
	Recommended clearance between fixed and rotating blade, mm	:		
	No. & size of holes on MS disc for mounting blade, mm	:		
	Main shaft bearings No.	:		
	Method of mounting	:		
1.2.6	Feeding mechanism			
	Type of feeding	:		
	Height of feeding tray, mm	:		

	Length of feeding tray, mm	:	
	Size of feeding tray, mm (L x B x H)	:	
	Angle of inclination of tray, degree	:	
	Type and size of conveyer (W x T), mm	:	
	Number of feed rolls	:	
	Effective width of rolls, mm	:	
	Diameter of rolls, mm	:	
	Space between axis of upper roll and axis of lower rolls, mm		
	Minimum	:	
	Maximum	:	
	Recommended feeding capacity, kg/h	:	
1.2.7	Blowing unit		
	Number	:	
	Type	:	
	Number of blades	:	
	Size of blades, mm (L x B x T)	:	
	Tip diameter, mm	:	
	Recommended speed, rpm	:	
	Provision for changing air displacement	:	
	Size of outlet opening, mm	:	
	No. & Size of inlet opening, mm (L x W)	:	
	Drive	:	
1.2.8	Transmission system		
	Method of power transmission and gear ratio from main shaft to		
	Feed rolls	:	
	Conveyer	:	
	Blower	:	
	Cutter head	:	
	Recommended speed of main shaft, rpm	:	

1.2.8.1	Gear box																																										
	Type	:																																									
	No. of teeth on drive gear	:																																									
	No. of teeth for cutter head gear	:																																									
	No. of teeth for feed roller gear	:																																									
	No. of teeth for idle gear	:																																									
	Capacity of oil, l	:																																									
	Gear ratio	:																																									
	<div>  <p style="text-align: center;">Fig 2 Safe feeding chute used on chaff-cutter (IS: 9020-2002)</p> </div>																																										
	Specifications of safe feeding chute used on chaff-cutter (Refer Fig.2): <table> <tr> <th>Sr. No</th> <th>Notations</th> <th>As per IS: 9020-2002 (mm)</th> <th>As measured (mm)</th> <th>Remarks</th> </tr> <tr> <td>1</td> <td>A</td> <td>650</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>B</td> <td>900 (Min.)</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>C</td> <td>220</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>D</td> <td>550 (Min.)</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>E</td> <td>60</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>F</td> <td>200</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>β</td> <td>10-30</td> <td></td> <td></td> </tr> </table>			Sr. No	Notations	As per IS: 9020-2002 (mm)	As measured (mm)	Remarks	1	A	650			2	B	900 (Min.)			3	C	220			4	D	550 (Min.)			5	E	60			6	F	200			7	β	10-30		
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	8	Sheet thickness	1.6 (Min.)		
	9	Length of centre to centre distance of conveyer rollers	1200 (Min.)		
	10	Length of conveyer at feed inlet side shall be covered	450 (Min.)		
1.3	Overall dimensions				
	Length, mm		:		
	Width, mm		:		
	Height, mm		:		
	Total mass, kg		:		

Place:

Date:

Signature : _____

Name : _____

Designation: _____