



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF ENGINE OPERATED THRESHER

1	General										
	Name and address of manufacturer	:									
	Name and address of applicant	:									
	Name of machine	:									
	Type	:									
	Make	:									
	Model	:									
	Batch No/Code No.	:									
	Feed rate, kg/h	:									
	Serial No	:									
	Recommended drum speed, rpm	:									
	Input capacity, kg/h		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Crop</th><th style="width: 50%;">Capacity</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Crop	Capacity						
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	Output capacity, kg/h	:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Crop</th><th style="width: 50%;">Capacity</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Crop	Capacity						
Crop	Capacity										
	Year of Manufacture	:									
2	Power unit										
	a) Type of prime mover	:									
	b) Recommended power, hp	:									

	Prime mower used	:	
	Manufactured by	:	
	Make	:	
	Model	:	
	Type	:	
	Sr. No.	:	
	Country	:	
	Year of manufacture	:	
	Mass kg	:	
	Bearing	:	
	Speed, rpm	:	
	Bore, mm	:	
	Stroke, mm	:	
3	Main Frame		
	Type	:	
	Size, mm	:	
	Constructional details:		
4	Crops to be threshed		
	a) Main crop	:	
	b) Other crops	:	
5	Main drive	:	
	Type	:	
	Size of belt	:	
	Size of driving pulley, mm	:	
	Size of driven pulley, mm	:	
	Diameter of main shaft	:	
6	Threshing unit		
	Type	:	
	Diameter, mm	:	
	Width, mm	:	
	Recommended speed, rpm	:	

	No. and size of bearing	:		
	No. and size of stud/wire loop/bar/hammer	:		
7	Concave			
	Type	:		
	Diameter, mm	:		
	Width, mm	:		
	Recommended concave clearance	:		
	Method of clearance adjustment	:		
	Method of fixing	:		
8	Sieve	:	Crop 1	Crop 2
	Type of crop	:		
	Type	:		
	Number	:		
	Total length x width, mm	:		
	Effective length and width, mm	:		
	Size of hole, mm	:		
	Sieve clearance range, mm	:		
	Screen slope range	:		
	Recommended screen slope	:		
	Method of mounting	:		
9	Shaker			
	Type	:		
	Number of strokes per minute	:		
	Drive	:		
	Number and type of bearings	:		
10	Blower			
	Number	:		
	Type	:		
	Number of blades	:		
	Size of blades, mm	:		
	Diameter, mm	:		
	Recommended speed, rpm	:		

	Recommended air displacement	:	
	Provision for changing air displacement	:	
	Size of outlet opening, mm	:	
	Nos. & Size of inlet opening, mm	:	
	Drive	:	
	Number and type of bearing	:	
11	Crop feeding		
	<p style="text-align: center;">Fig 1 Feeding hopper with feed roller</p>		
11.1	Specifications of Hopper and Feed Roller (Refer Fig 1)		

	Sr. No	Notation	As per IS: 9020-2002, mm	As measured, mm	Remarks
	1	A	400 mm more than the length of threshing cylinder i.e. 470		
	2	B	900 (Min.)		
	3	C	180 (Min.)		
	4	D	340 (Min.)		
	5	E	75(Min.)		
	6	F	280		
	7	G	45		
	8	H	20		
	9	J	75		
	10	K	220		
	11	L	350		
	12	M	450		
	13	$\alpha \pm 5$	50 ± 5		
	14	Sheet thickness	1.6 (Min.)		
		To facilitate easy and smooth feeding of the crop during the operation, the feeding chute shall be properly mounted on the thresher.			:
No sharp edges shall be provided on the feeding chute			:		
The feeding chute shall be so fixed with the thresher that it is not possible to remove it easily.			:		
Recommended maximum feed rate			:		
12	Transport				
	Type			:	
	Number of wheels, Nos.			:	

	Size of wheels, inch	:		
	Wheel bearing	:		
	Size of wheel guard, mm	:		
	Type of towing arrangement	:		
13	Parking Stand:			
	Numbers of stand, Nos.	:		
	Size, mm	:		
	Nos. of holes and distance between two holes, mm	:		
14	Flywheel			
	Number	:		
	Size, mm	:		
	Mass, kg	:		
15	Overall dimensions			
	Length, mm	:		
	Width, mm	:		
	Height, mm	:		
	Ground clearance, mm	:		
	Total mass, kg	:		
16	Marketing/Labelling		:	
	Sr. No.	Parameters	:	Details
	1	Manufacturer's name and recognized trade-mark, if any:	:	
	2	Model number	:	
	3	Batch or code number, or Sr. No. if any	:	
	4	Power rating, hp	:	
	5	Revolutions per minute of the threshing drum and its direction of	:	

		rotation		
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Place:

Date:

Signature:_____

Name:_____

Designation:_____