



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

1	General		
	Name of Manufacturer/ applicant and Address	:	
	Type	:	
	Make	:	
	Model	:	
	Year of manufacturer	:	
2	Power unit		
	a) Type of prime mower	:	
	b) Recommended power, hp	:	
3	Crops to be threshed		
	a) Main crop	:	
	b) Other crops	:	
4	Main drive		
	Type	:	
	Size of belt	:	
	Size of pulley (Driving), mm	:	
	Size of pulley (Driven), mm	:	
	Alternate Pulleys		
	Size of pulley (Driving), mm	:	

	Size of pulley (Driven), mm	:	
	Diameter of main shaft, mm	:	
5	Threshing unit		
	Type	:	
	Diameter, mm	:	
	Width, mm	:	
	Recommended speed, rpm	:	
	Number and type of bearing	:	
	Number and size of stud, mm	:	
6	Concave		
	Type	:	
	Diameter or width, mm	:	
	Concave clearance, mm	:	
	Recommended concave clearance, cm	:	
	Method of clearance adjustment	:	
	Method of fixing	:	
7	Sieve		
	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	:	
8	Shaker		
	Type	:	
	Number of strokes per minute	:	
	Drive	:	
	Number and type of bearings	:	
9	Blower		
	Number	:	
	Type	:	
	Number of blades	:	
	Size of blades, mm	:	
	Diameter, mm	:	
	Recommended speed	:	
	Recommended air displacement	:	
	Provision for changing air displacement	:	
	Size of inlet opening, mm	:	
	Size of outlet opening, mm	:	1.
	Drive	:	
	Number and type of bearing	:	

10

Crop feeding

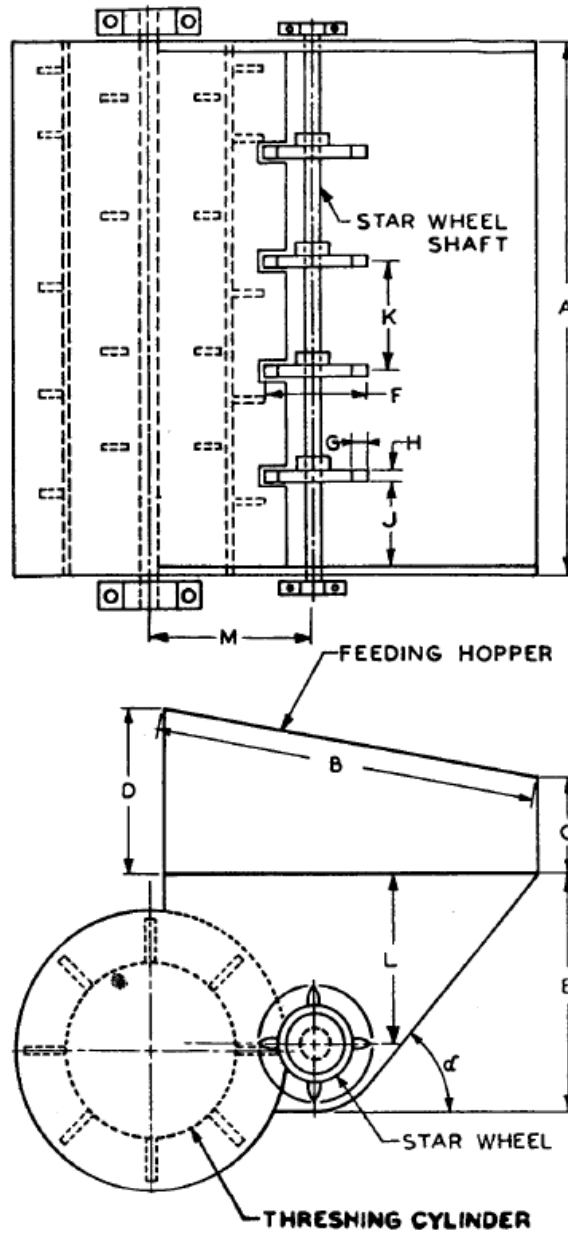


Fig. 1 Feeding Hopper with Feed Roller

10.1

Specifications of Hopper and Feed Roller (Refer Fig.1):

S. 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.514		
2	B	900 (Min)		
3	C	200 (Min)		
4	D	370 (Min)		
5	E	500 (Min)		
6	F	280		
7	G	45		
8	H	20		
9	J	75		
10	K	220		
11	L	350		
11	M	450		
12	$\alpha \pm 5$	55		
13	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	:	
11	Transport		
	Type	:	
	Number of wheels	:	
	Size of wheels, inch	:	
	Wheel bearing	:	
	Type of towing arrangement	:	
12	Flywheel		
	Number	:	
	Size, mm	:	
	Mass, kg	:	
13	Overall dimensions		
	Length, mm	:	
	Width, mm	:	
	Height, mm	:	
	Ground clearance, mm	:	
	Total mass, kg	:	