



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF ENGINE 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	:	
	Prime Mover Used	:	
	Manufactured by	:	
	Make	:	
	Model	:	
	Type	:	
	Sr. No.	:	
	Country	:	
	Year of manufacture	:	
	Mass kg	:	
	Bearing	:	
Speed, rpm	:		

	Bore, mm	:	
	Stroke, mm	:	
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	:	
	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 pitch	:	
	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 air displacement	:	
	Provision for changing air	:	

	displacement		
	Size of inlet opening, mm	:	
	Size of outlet opening, (Square) mm	:	
	Drive	:	
	Number and type of bearing	:	

10 Crop feeding

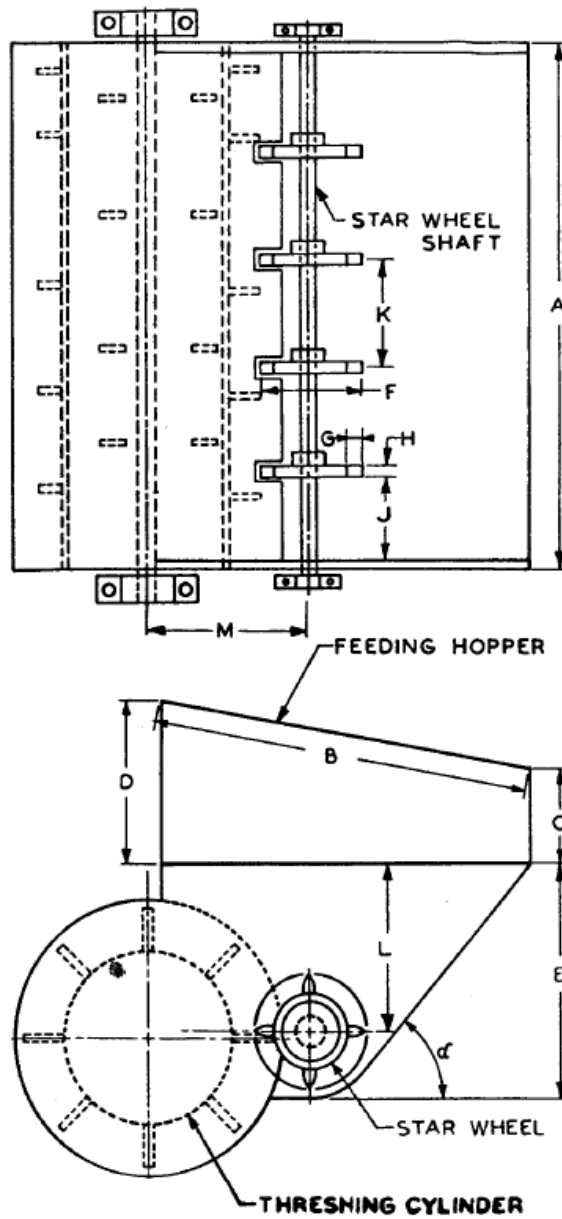


Fig. 1 Feeding Hopper with Feed Roller

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