TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

19. MAIZE DEHUSKER CUM SHELLER



GENERAL

1.	Application	For shelling of maize crop
2.	Power requirement	50+ hp tractor
3.	Threshing capacity	≥2.0 ton/hr
4.	Type of machine	Tractor trailed
5.	De-husking/shelling capacity	90% above

OVERALL DIMENSIONS

6.	Length	3600 mm ± 30 mm
7.	Width	1800 mm ± 20 mm
8.	Height	2460 mm ± 20 mm
9.	Weight	≥1000 kg

MATERIAL SPECIFICATIONS

10.	Main frame	125x62x6 mm M.S. channel, 75x75x5.5 mm M.S. angle, 60x60x4.5 mm 38x38x4.5 mm M.S. angle
11.	Hitch bracket	125x62x6 mm, M.S. channel reinforced with M.S. rod 34 mm dia.
12.	Feeding hopper	M.S. sheet of 16 gauge

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13.	Grain Chute	M.S. sheet 16 gauge with grain lifting auger dia. 32 mm and 2 mm M.S. sheet
14.	Shelling drum	1600 mm long 320 mm outer dia. 5 mm wall thickness
15.	Drum cover	M.S. sheet 10 gauge
16.	Bits/page	78 Nos., 52 x18 mm M.S. stud welded in zigzag spiral form on the MS flat 50 x10mm thick
17.	Sieve	02 Nos. 1 mm M.S. sheet with 12 mm dia. holes, M.S sheet of 16 gauge with 3mm dia. holes
18.	Blower	Pedal type, 03 Nos. Blades, 2 mm thick
19.	Thrower	Pedal type, 04 Nos. blades with 12 gauge of M.S. sheet
20.	Pulley cover	M.S. sheet 16 gauge
21.	Shaft	
	Main	60 mm M.S round
	Blower	60 mm M.S. round
	Thrower	60 mm M.S. round
22.	Standing Platform	M.S. Box 35x35 x4.5mm thickness, M.S. Flat 40 x12mm, M.S Sheet of 14 gauge
23.	Pulleys	(02 nos.) C-type, 3 grooves with 300mm dia. And 250mm dia. B-type, 2 grooves with 100mm dia. B-type, single groove with 400mm dia. B-type, single groove with 70mm dia. Cam pulley B-type with 150 mm dia.
24.	Transport wheels with rims and hub	(02 Nos.)6.00-16Nylon

MISCELLANEOUS

25.	Paint	Double coat with primer after surface finish
26.	Bearings	European Standard or equivalent
27.	Nuts and bolts	To be tightened with spring washers
28.	Warranty	Free : 1 year for parts and service Extended: 5 years for parts supply on payment