TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

26. GROUNDNUT THRESHER



GENERAL AND TECHNICAL

1.	Application	For threshing of groundnut crop
2.	Type of machine	Tractor trailed / tractor PTO operated at 540 rpm
3.	Linkage type	1-point hitch drawbar with two (02) transportation tyres
4.	Power requirement	50 hp or above tractor
5.	Threshing capacity	≥ 800 kg/h
6.	Threshing drum speed	450-500 rpm
7.	Power transmission	Through shafts, pulleys and belts

OVERALL DIMENSIONS

8.	Overall length	4300 ± 30 mm with tow hook
9.	Overall width with wheels	1800 ± 20 mm
10.	Overall height	1900 ± 20 mm
11.	Weight	≥ 1300 kg

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

MATERIAL SPECIFICATIONS

12.	Main frame	MS channel 100x44x6 mm, MS angle 75x75x6 mm and MS plate 175x8 mm Axle MS pipe having outer diameter of 56 mm and 6 mm thickness MS channel 200 x 56 x 5 mm for bearing support MS channel 100 x 26 x 4 mm for hitch support
13.	Hitch	1270 mm long made of MS channel 75 mm x 75 mm x 5 mm with supports of MS angles 32 mm x 32 mm x 3 mm and 50 mm x 50 mm x 3 mm and MS flat 406 mm x 25 mm x 8 mm
14.	Blower	Having four (04) paddles 4 mm MS sheet, diameter of the blower is 860 mm with square opening of 254 mm x 254 mm and width of blower is 254 mm
15.	Fly wheel	Cast iron flywheel of diameter 508 mm, width 75 mm with shaft bub diameter of 57 mm
16.	Crop feeder	Feeding tray made of MS sheet 14 gauge and size 1240 mm x 630 mm with opening 608 mm x 225 mm
17.	Tray for threshed pods	MS sheet 14 gauge, length 3000 ± 10 mm, width 1000 ± 10 mm, height 100 ± 10 mm having supports of MS angle iron 50 mm x 50 mm x 6 mm and 25 mm x 25 mm x 3 mm
18.	Threshing cylinder/drum	Drum diameter of 405 mm made of 8 rings of 50 mm MS flat and 6 mm thickness, the cylinder cover of MS 12 gauge sheet, the cylinder contains 80 heat treated and forged MS pegs fixed in spiral shape, the peg length of 75 mm made of round bar of 19 mm diameter
19.	Shafts	PTO 50 mm diameter MS round bar cold drawn, cam shaft 50 mm MS round bar cold drawn, drum shaft 60 mm MS round cold drawn, blower shaft 45 mm MS round cold drawn
20.	Parking stand	Four (04) parking stands of square/box 50x50x6 mm
21.	Origin	Local

MISCELLANEOUS

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