TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

2. ROTAVATOR (42-BLADES)



GENERAL

1.	Application	Used to break and churn the soil
2.	Working width	1600 mm
3.	No. of blades	42
4.	Blade spacing	225 mm
5.	U.J. shaft	provided
6.	Rotor speed	230-245 rpm @ 540 PTO speed
7.	Tractor power	≥ 50 hp

OVERALL DIMENSIONS

8.	Length	1000 mm ± 10 mm
9.	Width	1900 mm ± 20 mm
10.	Height	1000 mm ± 10 mm
11.	Weight (Approx.)	400 kg ± 10 kg

MATERIAL SPECIFICATIONS

12.	Main Frame	M.S. box 75x75x5 mm and supports 12 mm M.S plate

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13.	Mast (A-frame)	M.S. sheet 8 mm reinforced top ends with 6 mm M.S flat
14.	Blades rotor pipe	Seamless steel pipe, 87 mm OD, wall thickness 6 mm with 60 mm dia. forged axle ends
15.	Blades mounting plates	235 mm dia., 11-12 mm thick
16.	Transmission shaft	≥58 mm dia. SAE 1045/1050 with safety cover 5 mm wall thickness on both sides of gear box
17.	Blades	L-shaped, forged, 5-6 mm thick (HRC ≥40)
18.	Sheet Metal	
	Top cover	3-4 mm M.S
	Side plates	10 mm M.S.
	Rear cover	3-4 mm M.S.
19.	Skids	62x15 mm M.S. flat
20.	Parking stand	G.I. or M.S pipe
21.	Bearings	
	Gear box (PTO side)	01 No. 7310 or 6309
	Gear box (pinion side)	01 No. 7515 or 32212
	Gear box (prop. Shaft side)	01 No. 7218 or 32211
	Gear train (upper)	01 No. 7311 or 32210
	Gear train (idler)	02 Nos. 6309 or 32210
	Gear train (lower)	01 No. 6312 or 6213
	Rotor shaft (free end)	01 No. 7512 or 6312

MISCELLANEOUS

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