TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

16. WHEAT REAPER



GENERAL

1.	Application	For cutting of wheat and rice crop
2.	Type of machine	Tractor front mounted
3.	Linkage type	Cat-II
4.	Attachment	Provided as per demand
5.	Cutting width	2180 mm
6.	Tractor power	≥ 50 hp
7.	Effective field capacity	≥ 0.75 acre/h
8.	Field efficiency	≥ 75 %

OVERALL DIMENSIONS

9.	Length	680 mm ± 10 mm
10.	Width	2285 mm ± 20 mm
11.	Height	660 mm ± 10 mm
12.	Weight (Approx.)	300 kg ± 5 kg

MATERIAL SPECIFICATIONS

13. Frame

Lower box	01 No. M.S. 125x30x4.5 mm

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	Vertical boxes	02 Nos. M.S. 100x30x4 mm
	Front panel	M.S. 18 gauge
	Conveyor chain	04 Nos. channels, 60 # chain with38 Nos. lugs fitted on chain, made of M.S. formed sheet
14.	Cutter bar assembly	
	Knife bar	02 Nos. 22x6 mm M.S. flat
	Blades	28 Nos. triangular 75 mm, HRC 50-60
	Knife Guard Fingers	Steel cast
	Hold down clips	06 Nos., steel cast/steel plate
	Drive lever end	01 No. cam type, M.S.
	Gear box	02 Nos. Cast Iron
	Chain sprockets	04 Nos. cast iron/M.S. formed sheet for 60 # chain
15.	Header Assembly	
	Pipes	M.S pipe, 21 mm sq. rod 21 mm, and M.S. flat 30x5 mm, 18 gauge M.S. formed sheet
	Star wheels	Polypropylene plastic with bearings
	Pressure spring	14 Nos. 4 mm dia. Spring steel
16.	Tractor attachment	M.S. box of 60x60x5 mm
17.	Lifting and lowering assembly	
	Legs front and back	04 Nos. legs made of steel cast or steel plate
	Pulleys	100 mm dia. cast iron with pins
	Steel rods	02 Nos. steel rods, 17 mm dia.
	Power transmission	PTO shaft pulley 150 mm dia., cast iron
	Propeller shaft	39 mm dia. M.S. pipe, 3 mm wall thickness

MISCELLANEOUS

18.	Paint	Double coat with primer after surface finish
19.	Nuts and bolts	To be tightened with spring washers
20.	Bearings (new)	European Standard or equivalent
21.	Warranty	Free: 01 year for parts and service
		Extended: 05 years for parts supply on payment