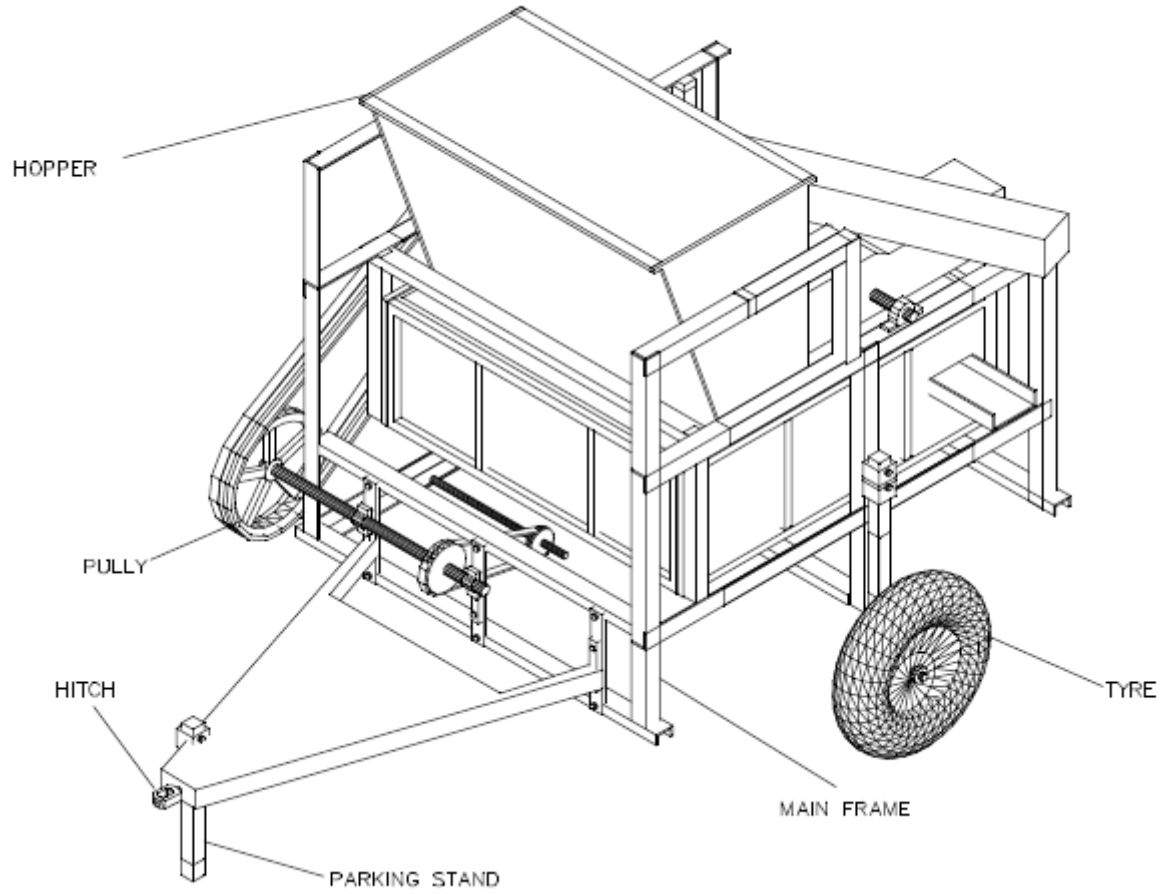
TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

13. WHEAT SEED CLEANER/GRADER

WHEAT SEED GRADER CUM CLEANER



GENERAL

1.	Application	For cleaning and grading the wheat seed.
2.	Type of machine	Tractor-trailed
3.	Drive system	02 hp electric motor 220 V, single phase, 1460 ±25 rpm with on/off switch and PTO drive shaft of tractor
4.	Cleaning/grading system	Pre-sieving
5.	Feeding hopper capacity	100 kg, with adjustable feed control
6.	Crank displacement & strokes	23 mm @ 250 ± 5 strokes/min
7.	Grain/fraction outlets	04 Nos. chute type
8.	Cradle inclination control	Adjustable
9.	Aspiration blower (balanced)	1 No., paddle type
10.	UJ shaft	provided
11.	Tractor power	50 hp
12.	Cleaning/grading capacity	≥ 0.5 tons/h
13.	Cleaning/grading efficiency	≥ 80 %

OVERALL DIMENSIONS

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

14.	Length (with tow hook)	3000 mm ± 30mm
15.	Width (with wheels)	1675 mm ± 15mm
16.	Height (with wheels)	1500 mm ± 15mm
17.	Weight (Approx.)	500 kg ± 10 kg

MATERIAL SPECIFICATIONS

18.	Frame	M.S channel 75x35x5 mm and M.S. angle 50x6 mm with diagonal braces on the top and bottom
19.	Hopper, cradle, blower and housing	16 gauge M.S. sheet metal
20.	Connecting rod (adjustable)	M.S. round 19 mm, cold drawn
21.	Sieves (replaceable)	18 gauge M.S. sheet metal
22.	Upper sieve (metallic frame)	915x915 mm, holes of 3mm dia. (10%), holes of 5 mm dia. (40%) round perforations and 50% blind
23.	Middle (wooden frame)	1065x915 mm, holes of 3 mm dia. (80%) and holes of 3.5 mm dia. (20%) round perforations (with 80 bouncing balls and 2 mm weld/woven wire mesh screen with 12 mm pitch
24.	Lower wooden frame	915x915 mm, 2.5 mm dia. round perforations (with 64 bouncing balls and 2 mm weld/woven wire mesh screen with 12 mm pitch)
25.	Blower and cam shaft	35 mm M.S. cold drawn
26.	PTO drive shaft	M.S. pipe o.d. 35 mm, wall thickness 3 mm and length 1750 mm with universal joints
27.	Sheaves	V-groove, C.I/M.S. balanced, with 2 mm wire or expanded metal mesh cover
28.	Transport wheels	02 Nos., 4.50-12 with telescopic mounting assembly
29.	Cradle suspension	04 Nos. 50x2 mm M.S flat with bushes
30.	Tow hitch with hook stand	M.S. channel 75x35x5 mm and M.S. plate 5 mm, 20 mm M.S hook and 50x5 mm M.S. square box stand
31.	Bearings	With brackets and grease system
	i. Cam shaft	02 Nos. UCP 207
	ii. Cam	01 No. 6215
	iii. Connecting rod	02 Nos. 6205
	iv. Blower	02 Nos. 6206
32.	Wheels	02 Nos. 6206 & 02 Nos. 6205

MISCELLANEOUS

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