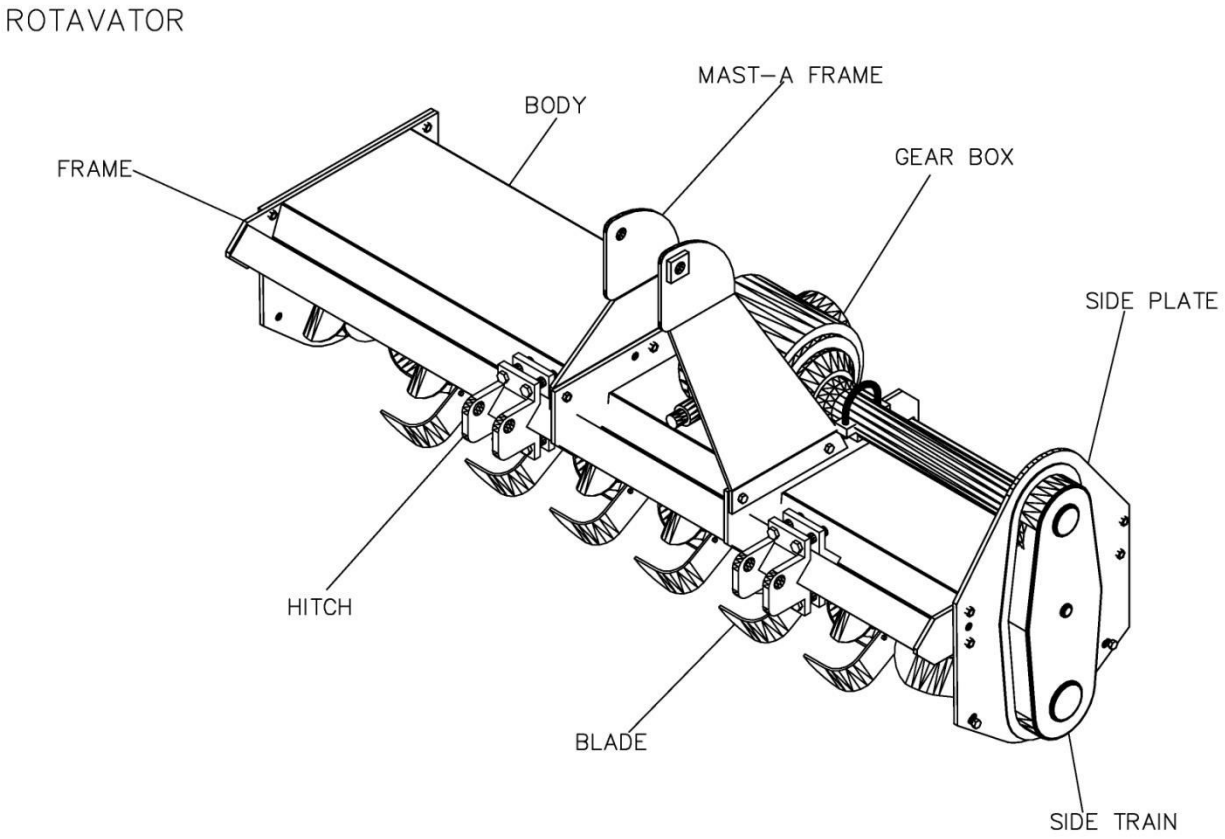
TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

56. (A) ROTAVATOR (48 BLADES)



GENERAL

1)	Type	Mounted
2)	Linkage category	I & II
3)	Working width	1825 mm
4)	Tractor power	50 hp or above
5)	Power transmission system	Gear train with lubrication housing and cover
6)	No. of blades	48
7)	Blade spacing	225 mm
8)	U.J. shaft	01 Nos.
9)	Rotor speed (min.)	230-245 rpm @ 540 PTO speed

OVERALL DIMENSIONS

10)	Length	1000 mm
11)	Width	2150 mm
12)	Height	1000 mm
13)	Approx. weight	425 kg + 10 kg

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

MATERIAL SPECIFICATIONS

14)	Frame	01 No. M.S. box of 75x75x5 mm with 02 Nos. supports of 12 mm
15)	Mast (A-frame)	M.S. sheet metal 5 mm with reinforced front ends 02 Nos. 50x6 mm M.S flat
16)	Blades rotator pipe	Seamless steel pipe o.d. 87 mm wall thickness 6 mm with forged axle end of 60 mm
17)	Blades mounting plate	08 or 09 Nos. 235 mm dia., 10 - 12 mm thick and 02 nos. 150 mm dia. On sides (optional)
18)	Gear box	Cast iron or cast steel
19)	Transmission shaft	60 mm alloy steel with safety cover of 87 mm o.d. and 5 mm wall thickness
20)	Blades	L-shaped, forged, heat treated, 5-6 mm thick, HRC 40-50
21)	Sheet Metal	
	Top cover	3-4 mm M.S. reinforced at bends
	Side plates	10 mm M.S.
	Rear cover	3-4 mm M.S.
	Skids	62x15 mm M.S. flat
22)	**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
	Gears	Heat treated, steel gears
	Parking stand	G.I. or steel pipe

MISCELLANEOUS

23)	Paint	Double coat with primer after surface finish
24)	Nuts and bolts	To be tightened with spring washers
25)	Bearings (New)	European Standard
26)	Modifications	To be carried out free of cost, if required
27)	Warranty	Free : 1 year for parts and service
		Extended : 5 years for parts supply on payment

(B) ROTAVATOR (54 BLADES)

GENERAL

1)	Type	Mounted

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

2)	Linkage category	II
3)	Working width	2050 mm
4)	Tractor power	65 hp or above
5)	Power transmission system	Gear train with lubrication housing and cover
6)	No. of blades	54
7)	Blade spacing	225 mm
8)	U.J. shaft	01 Nos.
9)	Rotor speed (min.)	230-245 rpm @ 540 PTO speed

OVERALL DIMENSIONS

10)	Length	1000 mm
11)	Width	2375 mm
12)	Height	1000 mm
13)	Approx. weight	450 kg $\pm$ 10 kg

MATERIAL SPECIFICATIONS

14)	Frame	01 No. M.S. box of 75x75x5 mm with 02 Nos. supports of 12 mm
15)	Mast (A-frame)	M.S. sheet metal 5 mm with reinforced front ends 02 Nos. 50x6 mm M.S flat
16)	Blades rotator pipe	Seamless steel pipe o.d. 87 mm wall thickness 6 mm with forged axle end of 60 mm
17)	Blades mounting plate	09 or 10 Nos. 235 mm dia., 10-12 mm thick and 02 nos. 150 mm dia. On sides (Optional)
18)	Gear box	Cast iron or cast steel
19)	Transmission shaft	60 mm alloy steel with safety cover of 87 mm o.d. and 5 mm wall thickness
20)	Blades	L-shaped, forged, heat treated, 5-6 mm thick, HRC 40-50
21)	Sheet Metal	
	Top cover	3-4 mm M.S. reinforced at bends
	Side plates	10 mm M.S.
	Rear cover	3-4 mm M.S.
	Skids	62x15 mm M.S. flat
22)	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

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

Gears	Heat treated, steel gears
Parking stand	G.I. or steel pipe

MISCELLANEOUS

23)	Paint	Double coat with primer after surface finish
24)	Nuts and bolts	To be tightened with spring washers
25)	Bearings (New)	European Standard
26)	Modifications	To be carried out free of cost, if required
27)	Warranty	Free : 1 year for parts and service
		Extended : 5 years for parts supply on payment

(C) ROTAVATOR (60 BLADES)

GENERAL

1)	Type	Mounted
2)	Linkage category	II
3)	Working width	2275 mm
4)	Tractor power	75 hp or above
5)	Power transmission system	Gear train with lubrication housing and cover
6)	No. of blades	60
7)	Blade spacing	225 mm
8)	U.J. shaft	01 Nos.
9)	Rotor speed (min.)	230-245 rpm @ 540 PTO speed

OVERALL DIMENSIONS

10)	Length	1000 mm
11)	Width	2600 mm
12)	Height	1000 mm
13)	Approx. weight	475 kg $\pm$ 10 kg

MATERIAL SPECIFICATIONS

14)	Frame	01 No. M.S. box of 75x75x5 mm with 02 Nos. supports of 12 mm
15)	Mast (A-frame)	M.S. sheet metal 5 mm with reinforced front ends 02 Nos. 50x6 mm M.S flat
16)	Blades rotator pipe	Seamless steel pipe o.d. 87 mm wall thickness 08 mm with forged axle end of 60 mm
17)	Blades mounting plate	11 or 12 Nos. 235 mm dia., 10-12 mm thick and 02 nos. 150 mm dia. On sides (optional)
18)	Gear box	Cast iron or cast steel

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

19)	Transmission shaft	60 mm alloy steel with safety cover of 87 mm o.d. and 5 mm wall thickness
20)	Blades	L-shaped, forged, heat treated, 5-6 mm thick, HRC 40-50
21)	Sheet Metal	
	Top cover	3-4 mm M.S. reinforced at bends
	Side plates	10 mm M.S.
	Rear cover	3-4 mm M.S.
	Skids	62x15 mm M.S. flat
22)	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
	Gears	Heat treated, steel gears
	Parking stand	G.I. or steel pipe

MISCELLANEOUS

23)	Paint	Double coat with primer after surface finish
24)	Nuts and bolts	To be tightened with spring washers
25)	Bearings (New)	European Standard
26)	Modifications	To be carried out free of cost, if required
27)	Warranty	Free : 1 year for parts and service
		Extended : 5 years for parts supply on payment

(D) ROTAVATOR (66 BLADES)

GENERAL

1)	Type	Mounted
2)	Linkage category	II
3)	Working width	2500 mm
4)	Tractor power	85 hp or above
5)	Power transmission system	Gear train with lubrication housing and cover
6)	No. of blades	66
7)	Blade spacing	225 mm
8)	U.J. shaft	01 Nos.
9)	Rotor speed (min.)	230-245 rpm @ 540 PTO speed

OVERALL DIMENSIONS

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

10)	Length	1000 mm
11)	Width	2825 mm
12)	Height	1000 mm
13)	Approx. weight	500 kg ± 10 kg

MATERIAL SPECIFICATIONS

14)	Frame	01 No. M.S. box of 75x75x5 mm with 02 Nos. supports of 12 mm
15)	Mast (A-frame)	M.S. sheet metal 5 mm with reinforced front ends 02 Nos. 50x6 mm M.S flat
16)	Blades rotator pipe	Seamless steel pipe o.d. 87 mm wall thickness 08 mm with forged axle end of 60 mm
17)	Blades mounting plate	11 or 12 Nos. 250 mm dia., 10-12 mm thick and 02 nos. 150 mm dia. On sides (optional)
18)	Gear box	Cast iron or cast steel
19)	Transmission shaft	60 mm alloy steel with safety cover of 87 mm o.d. and 5 mm wall thickness
20)	Blades	L-shaped, forged, heat treated, 5-6 mm thick, HRC 40-50
21)	Sheet Metal	
	Top cover	3-4 mm M.S. reinforced at bends
	Side plates	10 mm M.S.
	Rear cover	3-4 mm M.S.
	Skids	62x15 mm M.S. flat
22)	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
	Gears	Heat treated, steel gears
	Parking stand	G.I. or steel pipe

MISCELLANEOUS

23)	Paint	Double coat with primer after surface finish
24)	Nuts and bolts	To be tightened with spring washers
25)	Bearings (New)	European Standard
26)	Modifications	To be carried out free of cost, if required
27)	Warranty	Free : 1 year for parts and service
		Extended : 5 years for parts supply on payment