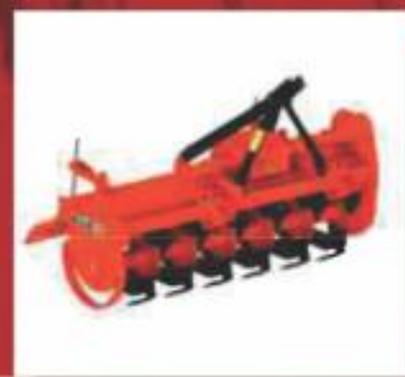




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# SUB SOILER



Main Frame & 3 Point linkage



Shovel



Hardening Bush



Shear bolt protection

| Description                    | 1 Tyne Sub Soiler                                  | 2 Tyne Sub Soiler | 3 Tyne Sub Soiler |
|--------------------------------|--|-------------------|-------------------|
| Main Frame Size mm             | BOX Frame 100x100                                  |                   |                   |
| Type Mounting                  | Three Point Hitch Linkage (Cat II)*                |                   |                   |
| Overall length, mm             | 860  | 860               | 860               |
| Overall Width, mm              | 850  | 1340              | 1450              |
| Overall Height, mm             | 1470   | 1470              | 1470              |
| Weight, (Kg)                   | 165  | 225               | 300               |
| Recommended Tractor Power (HP) | 45 - 55  | 55 - 65           | 65 - 80           |
| Working Depth range (mm)       | 550 (Depends On soil moisture and field condition) |                   |                   |
| Tyne Size mm / Shovel Material | 150 x 25 / EN8                                     |                   |                   |

## Features

- Sub Soiler is primary tillage deep plough working up to 55 cm depth approx.
- To ensure development of crop root system of proper depth and environment.
- The subsoiler increase natural fertility of soil as deep tillage provides enough circulation of air , moisture and sunlight into soil.
- It is an inexpensive implement and it provided a simple and economical way to obtain boosting crop yield.
- Depth can be adjusted by leg hole & top links .
- Shear bolt protection available in all sub soiler
- Adjustable width of ploughing available for sub-soiler.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# CLAMP TYPE CULTIVATOR



Main Frame & 3 Point linkage



Forged Tyne



Shovel & Forged Tyne



V clamp For Easy adjustment

| DESCRIPTION                      | 7 Tyne               | 9 Tyne           | 11 Tyne          | 13 Tyne          | 15 Tyne          |
|----------------------------------|----------------------|------------------|------------------|------------------|------------------|
| Mounting CAT (Flat)              | Cat II (75 X 12)     |                  |                  |                  |                  |
| Main Frame mm                    | 65 x 65 Sq. Pipe     |                  |                  |                  |                  |
| Size of Tyne (Material)          | 25mm Thickness.(EN8) |                  |                  |                  |                  |
| OverAll: LXWXH (Approx. mm)      | 900 X 1610 X 965     | 900 x 2020 x 965 | 900 x 2475 x 965 | 900 X 2932 X 965 | 900 x 3390 x 965 |
| Shovel (Material)                | 8 mm (EN - 42)       |                  |                  |                  |                  |
| Working Width Range (Approx. mm) | 1400                 | 1856             | 2312             | 2768             | 3224             |
| Spacing Between Tyne (mm)        | 228 (Adjustable)     |                  |                  |                  |                  |
| Weight (Approx. in Kgs)          | 180                  | 230              | 280              | 330              | 380              |
| Suitable HP Range                | 35 to 55             |                  | 55 to 70         |                  | 70 to 90         |

## Features

- Main frame is made up of 65 mm square duly reinforced by several central supports.
- Thicker tynes to restrain from sudden impact loads.
- Sharp edged points to give easier and deeper penetrations with effective uprooting of crop residue and cutting of heavy soil clods at any soil conditions.
- Provision for spacing adjustments between tynes to be useful for various soil conditions and various crops.
- Sharp edged Reversible shovels that gives deeper penetrations at any soil conditions and can be reversed and used on the other side after complete wear of one side.
- Can be used for uprooting after cutting crops or primary tillage operations before Sowing.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# ADJUSTABLE TYPE CULTIVATOR



3 Point linkage  
& Main frame



Shovel



Bracket for  
easy adjustment



Forged Tyne

| DESCRIPTION                      | 7 Tyne                     | 9 Tyne               | 11 Tyne              | 13 Tyne              | 15 Tyne              |
|----------------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|
| Mounting CAT                     | Cat II                     |                      |                      |                      |                      |
| Main Frame                       | 50 x 50 mm Solid Bar Frame |                      |                      |                      |                      |
| Size of Tyne (Material)          | 25mm Thickness (EN8)       |                      |                      |                      |                      |
| Overall dimension (L X W X H) mm | 900 X 1565<br>X 1170       | 900 X 2020<br>X 1170 | 900 X 2475<br>X 1170 | 900 X 2930<br>X 1170 | 900 X 3385<br>X 1170 |
| Tyne Type                        | Adjustable Tyne            |                      |                      |                      |                      |
| Shovel (Material)                | 8 mm (EN - 42)             |                      |                      |                      |                      |
| Working Width Range (Approx. mm) | 1400                       | 1950                 | 2312                 | 2768                 | 3224                 |
| Spacing Between Tyne             | 230                        |                      |                      |                      |                      |
| Weight (Approx. in Kgs)          | 294                        | 356                  | 418                  | 556                  | 610                  |
| Suitable HP Range                | 35 - 50                    |                      | 55 - 70              |                      | 70 - 80              |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Main frame is made up of 50 mm solid square duly reinforced by several central supports.
- Tynes can be moved laterally and vertically Rear Tynes have wider shovel points to give better tillage.
- By minor adjustment, extra attachment the CULTIVATOR can be converted into ridger .
- "Adjustable Tyne CULTIVATOR" is multipurpose heavy duty CULTIVATOR.
- Adjustable type cultivator is used for secondary tillage such as stir and pulverize the soil.

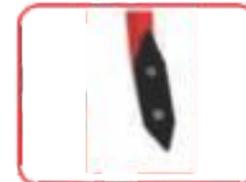
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# RIGID TYPE CULTIVATOR



Main Frame & 3 Point linkage



Shovel & Forged Tyne



Forged Tyne



Hardening Bush

| DESCRIPTION               | 5 Tyne                            | 7 Tyne           | 9 Tyne           | 11 Tyne          | 13 Tyne          | 15 Tyne          |
|---------------------------|-----------------------------------|------------------|------------------|------------------|------------------|------------------|
| Mounting CAT              | Cat II                            |                  |                  |                  |                  |                  |
| Main Frame                | 75 x 40 or 100 x 50 Channel Frame |                  |                  |                  |                  |                  |
| Size of Tyne (Material)   | 25mm Thickness (EN8)              |                  |                  |                  |                  |                  |
| Tyne Type                 | Rigid Type                        |                  |                  |                  |                  |                  |
| Shovel (Material)         | 8 mm (EN - 42)                    |                  |                  |                  |                  |                  |
| Over All: L x W x H (mm)  | 635 X 1130 X 965                  | 635 X 1610 X 965 | 790 X 2020 X 965 | 790 X 2540 X 965 | 790 X 2995 X 965 | 790 X 3450 X 965 |
| Width Of Cut (mm Approx.) | 950                               | 1400             | 1950             | 2312             | 2768             | 3224             |
| Spacing Between Tyne      | 230                               |                  |                  |                  |                  |                  |
| Weight (Approx. in Kgs)   | 115                               | 135              | 210              | 252              | 292              | 350              |
| Suitable HP Range         | 35 - 50                           |                  | 55 - 70          |                  | 70 - 80          |                  |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- The cultivators loosens and aerates the soil to a depth of 9 inches.
- Extra Heavy Duty Rigid CULTIVATOR is designed for toughest operations.
- It is suitable for various soil conditions.
- It is multipurpose heavy duty CULTIVATOR.
- The tynes used in this CULTIVATOR have been cut at precise angles which ensure that the CULTIVATOR penetrates the land effectively with minimum load on the tractor. The tynes used in this CULTIVATOR have thickness which is matched to the soil conditions of the end-user

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# SPRING LOADED CULTIVATOR



| DESCRIPTION                      | 7 Tyne  | 9 Tyne           | 11 Tyne   | 13 Tyne          | 15 Tyne          |
|----------------------------------|---|------------------|---|------------------|------------------|
| Mounting CAT                     | Cat II (75 X 12)  |                  |   |                  |                  |
| Main Frame mm                    | 75 X 40 Channel, 65 x 65 x 5mm support angles for tynes |                  | 100 x 50 mm Channel, 65 x 65 x 6mm support angles for tynes |                  |                  |
| Size of Tyne (Material)          | 25mm Thickness (EN8)                                    |                  |   |                  |                  |
| Number of Coils (Nos)            | Spring Coils (50)                                       |                  |   |                  |                  |
| Over All LXWXH (Approx. mm)      | 900 X 1610 X 965  | 900 x 2020 x 965 | 900 x 2475 x 965  | 900 X 2932 X 965 | 900 x 3380 x 965 |
| Number of Spring                 | 14  | 18               | 22  | 26               | 30               |
| Shovel Thickness mm (Material)   | 8 mm (EN - 42)  |                  |   |                  |                  |
| Working Width Range (Approx. mm) | 1400  | 1856             | 2312  | 2768             | 3224             |
| Spacing Between Tyne             | 230   |                  |   |                  |                  |
| Weight (Approx. in Kgs)          | 225   | 280              | 340   | 393              | 425              |
| Suitable HP Range                | 35 - 50   |                  | 55 - 70   |                  | 70 - 80          |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Spring loaded Tyne assemblies derive their strength from heavy duty angles which once fixed to the immensely strong main frame cannot move or strain out of position.
- "Extra Heavy Duty Type Spring Loaded CULTIVATOR" is designed for toughest operations.
- It is suitable for hard top soil ,uproot stubbles and leaves.
- Provision for spacing adjustments between tines to be useful for various soil conditions and various crops.
- It can give the depth up to 7 to 9 inches in hard soil.
- The spring-loaded tines swing back under break-away pressure of 163Kg; pass over the obstruction and return to the working position without affecting the working depth of the implement.

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# INTER CULTIVATOR



3 Point Linkage



Bracket for Easy Adjustment



Point Bar



Hardening Bush

| Description                      | Inter Cultivator    |
|----------------------------------|---------------------|
| Number of Tynes                  | 5                   |
| Mounting CAT                     | Cat II              |
| Main Frame                       | 50 X 50 Solid Bar   |
| Size of Tyne (Material)          | 25mm Thickness. EN8 |
| Number Of Clamp                  | 5                   |
| Shovel (Material)                | 8 mm (EN - 42)      |
| Working Width Range (Approx. mm) | 2000 (Adjustable)   |
| Weight (Approx. in Kgs)          | 170                 |
| Suitable HP Range                | 35 - 50             |

## Features

- It is used to perform of inter cultivation & weeding operations in between rows of crops in a single pass
- The adjustable Tynes and shovels are used for pulverizing the bottom of furrow.
- Working depth adjustable
- An inter cultivator cum earthing up equipment was developed and fitted to a standard tractor drawn ridger. Three number of sweep type blades are affixed to the ridger frame for accomplishing the weeding operation in between standing rows of crops. Three ridger bottom fitted behind the sweep blade, work on the loosened soil mass and aid in earthing up by forming ridges and furrows. Weeding efficiency is 61 per cent.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# CULTIVATOR DUCK FOOT



Main Frame & 3 Point Linkage



Shovel



Tyne



Hardening Bush

| Description                            | Cultivator Duck Foot |
|--|----------------------|
| Number of Tynes                        | 5                    |
| Mounting CAT                           | Cat II               |
| Main Frame                             | Sq. 65 X 6           |
| Size of Tyne (Material)                | 30 mm Thickness.     |
| Shovel (Material)                      | 8 mm (EN-8)          |
| Over All: Length x Width x Height (mm) | 840 X 2000 X 1090    |
| Working Width Range (Approx. mm)       | 2000                 |
| Weight (Approx. in Kgs)                | 208                  |
| Suitable HP Range                      | 35 - 50              |

## Features

- Duck-foot cultivator is widely used in the black-cotton type soil.
- It is used for final field preparations and finer pulverization of the top soil immediately before sowing.
- It operates at light chisel plough.
- This cultivator is precisely manufactured by using the best grade raw material and modern technology.
- Useful for Cultivating the Land immediately after harvesting.
- Can cultivate land upto 6 inches & helpful in removal of left over weeds.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# DISC PLOUGH



Colter Disc



3 Point linkage



Round Heavy Duty Hingobar with locking



Boron Disc & Scraper

| Description                        | 2 Disc   | 3 Disc             | 4 Disc         | 5 Disc         |
|------------------------------------|--|--------------------|----------------|----------------|
| Mounting CAT                       | CatII  |                    |                |                |
| Main Frame                         | OD 168mm Tubular                                       |                    |                |                |
| Disc Size (Material)               | 660 mm x 516 mm 11k(High Carbon or Boron Steel)        |                    |                |                |
| Type Of Disc                       | Plain Disc   |                    |                |                |
| Colter Wheel (Dia)                 | 20"  |                    |                |                |
| Axel Type (Dia )/Material          | 30 mm / EN   |                    |                |                |
| Working Width Range (mm Approx.)   | 600-700  | 751-840            | 841-980        | 981-1120       |
| Working Depth Range (mm Approx.)   | 150-250 (Depends On soil moisture and field condition) |                    |                |                |
| Spacing Between Disc (mm)          | 560  |                    |                |                |
| Overall dimension (mm) (L x W x H) | 1865x950x1250  | 2400 X 1040 X 1250 | 3015x1340x1250 | 3630x1480x1250 |
| Weight (Approx. in Kgs)            | 285  | 385                | 515            | 600            |
| Suitable HP Range                  | 35 to 50   | 50 to 70           | 70 to 80       | 90 to 100      |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- In conformity with the soil conditions it is being produced with 2, 3, 4 & 5 bottom versions.
- It is directly mounted to the tractors
- Extra Heavy-duty pipe frame has high trash clearance allowing the plough to operate under heavy crop residue.
- It is used to open the new fields and to process the stony areas.
- It can be used easily at rocky and rooted areas.
- It is especially useful in hard and dry trashy land conditions and in soils where scouring is a major problem.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

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10



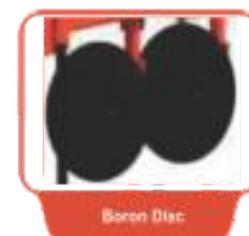
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# HYDRAULIC REVERSIBLE DISC PLOUGH



3 Point linkage



Boron Disc



Housing Assembly



Colter disc Arrangement

| Description                        | 2 Disc  | 3 Disc             |
|------------------------------------|---|--------------------|
| Mounting CAT                       | Cat II  |                    |
| Main Frame                         | Sq. Frame 100 X 100                                       |                    |
| Size of Disc                       | 660 x 5/6 mm thk  |                    |
| Type Of Disc                       | Boron Steel   |                    |
| Colter Wheel (Dia)                 | 20"   |                    |
| Overall dimension (mm) (L x W x H) | 1260 X 950 X 1862   | 1260 X 1270 X 2300 |
| Axel Type (Dia) /Material          | 30mm/EN 8   |                    |
| Working Width Range (mm Approx.)   | 600-750   | 751-840            |
| Working Depth Range (mm)           | 150-250<br>(Depends On soil moisture and field condition) |                    |
| Spacing Between Disc (mm)          | 560   |                    |
| Suitable HP Range                  | 35-50   | 55-70              |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- A. This Hydraulic Reversible disc plough is the most suitable and versatile to work on slopes because it is not necessary to open or close plowing frames, providing high plowing quality and performance, which can also be used for the construction of contour lines.
- B. It has multiple disc adjustments, such as height, swivel and inclination, ensuring the best adjustment for each soil type
- Leveling adjustments are simple to perform giving you an even cut at the appropriate depth, thus increasing your productivity in the field.
- Another feature is the reinforced chassis and the reduced amount of moving parts resulting in lowered maintenance costs.

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# HI-TECH HYDRAULIC REVERSIBLE MB PLOUGH (B)



3 Point linkage Of Casting



Easy to adjust plough



Shear bolt arrangement



Heavy duty frame

| Description                        | 2 Bottom               | 3 Bottom (2+1) |
|------------------------------------|------------------------|----------------|
| Size of Board in inch              | 12,14,16               |                |
| width of Cut in (Inches)           | 20,24,28               | 30,36,42       |
| Depth of Cut (Inches)              | 9 - 16                 |                |
| Size of frame mm                   | HD Sq. pipe 95 X 95 mm |                |
| Material of Shear Bar & Land slide | Boron Steel            |                |
| Material of Shear plate            | Boron Steel            |                |
| Actuation of change of Board       | Hydraulic              |                |
| Safety                             | Shear Bolt             |                |
| Weight (Approx.) in Kgs            | 415                    | 540            |
| Suitable HP Range                  | 50-60                  | 70-90          |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- It has a pair of Two & Three sets of mould board ploughs which can be changed or reversed to work in both directions. And its reversible action makes the ploughing operation faster & more economical.
- Since Two Furrows are used it reduces ploughing time.
- It perform the function of deep opening and loosing of soil.
- It lifts the soil-clod and throws it on the soil surface breaking the soil-clod into smaller particle size.
- The plough is capable for infinite angle adjustment for left hand and right hand work.
- The plough is protected against damage by an additional shear bolt device. Same plough can be used for various width of cut

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# MANUAL REVERSIBLE MB PLOUGH



3 Point Linkage



Handel to turn furrow



Long Lasting, Wear resistant Shear plate



Long Lasting, Wear resistant bar point

| Description                        | 2 Bottom           |     |          |     |
|------------------------------------|--------------------|-----|----------|-----|
|                                    | 10                 | 12  | 14       | 16  |
| Size of Board in (inch)            | 10                 | 12  | 14       | 16  |
| Depth of Cut inch                  | 8 to 12            |     |          |     |
| Leg thickness mm                   | 40                 |     |          |     |
| Bearing                            | 32211/C/NA 4917    |     |          |     |
| Main shaft (Ø in mm)               | 90                 |     |          |     |
| Size of Main Frame                 | Channel 75 X 40 mm |     |          |     |
| Material of Shear Bar & land slide | EN 45              |     |          |     |
| Bottom thickness (mm)              | 10                 |     |          |     |
| Material of Shear Point            | EN 8               |     |          |     |
| Actuation of change of Board       | Manual             |     |          |     |
| Weight (Approx.) in Kgs            | 260                | 315 | 350      | 380 |
| Suitable HP Range                  | 35 to 45           |     | 45 to 55 |     |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Reversible Mb Plough is a specially designed agricultural implement used for turning the soil levels up side down, incorporating soil residues and making available more fertile layer for the new crop. It provides deep seed bed preparation with proper aeration and drainage. MB Plough is used as a primary tillage implement for soft and hard soils.
- It has a pair of two sets of Mould board ploughs which can be changed or reversed to work in both direction
- Reversing of the Furrow easily done by tilting of a handle bar.
- It is easily used for deep-opening and loosening of the soil.
- It lifts the soil-cold and throws it on the soil surface breaking the soil-cold into smaller particle size

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# MOULD BOARD PLOUGH



H.D. Main Frame



Point Bar



Shear plate



3 point linkage

| Description                      | 2 MB Plough       | 3 MB Plough        | 4 MB Plough        |
|----------------------------------|-------------------|--------------------|--------------------|
| Furrow                           | 2                 | 3                  | 4                  |
| Complete width of Cut in (Inch)  | 24"               | 36"                | 48"                |
| Mounting CAT                     | Cat II            |                    |                    |
| Overall dimension mm (L X W X H) | 1370 X 920 X 1030 | 1700 x 1140 x 1030 | 2200 x 1340 x 1030 |
| 3 Point Linkage Flat             | 75 X 12T          |                    |                    |
| Depth of Cut (Inch)              | 8 to 12           |                    |                    |
| Beam thickness (mm)              | 100 X 20          | 100 X 25           |                    |
| Material of Shear Bar            | 40 X 25 (EN 45)   |                    |                    |
| Material of Shear Point          | EN 8              |                    |                    |
| Total Weight (Kgs. Approx.)      | 230               | 320                | 425                |
| Suitable HP Range                | 45 to 55          | 55 to 70           | 70 to 90           |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Bottom Mould Plough are tractor drawn conventional implement being widely used for primary tillage operations.
- Mould Board Plough can work & useful in very hard soil conditions and in soils where securing is a problem
- Made for high quality material and helps in better inversion of soil. The plough has special wear-resistant steel blade with bar points for toughest ploughing jobs.
- Low maintenance cost.
- Increase tractor stability.
- Bar point bottom ensures longer life as it can be extended or reversed and reused till the last possible length.

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# CHISEL PLOUGH RIPPER



| Model                          | CS - 5   |
|--------------------------------|----------|
| Width (mm)                     | 2150     |
| Length (mm)                    | 1120     |
| Height (mm)                    | 1270     |
| Working Depth(mm)              | 400      |
| Working Width (mm)             | 1800     |
| Number Of Tyne                 | 5        |
| Weight,(Kg)                    | 495      |
| Recommended Tractor Power (HP) | Above 65 |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Chisel Plough is primary tillage deep plough working up to 40 cm depth approx.
- To ensure development of crop root system of proper depth and environment.
- The Chisel Plough increase natural fertility of soil as deep tillage provides enough circulation of air , moisture and sunlight into soil.
- It is an inexpensive implement and it provided a simple and economical way to obtain boosting crop yield.
- Depth can be adjusted by leg hole & top links .
- Shear bolt protection available in all Chisel Plough
- Adjustable width of ploughing available for Chisel Plough

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# DISC HARROW ANGLE FRAME TYPE



Main Frame & 3 Point linkage



Boron Disc



Bearing Housing With Greasing Point



Gang adjustment on U clamp

| Description                     | 12 Disc                             | 14 Disc | 16 Disc | 18 Disc | 20 Disc | 22 Disc | 24 Disc |
|---------------------------------|-------------------------------------|---------|---------|---------|---------|---------|---------|
| Type of mounting                | Three point Hinged Linkage (CAT II) |         |         |         |         |         |         |
| Disc Dia (mm) (Optional)        | 560,610                             |         |         |         |         |         |         |
| Disc Type                       | Front: Notched, Rear: Plain         |         |         |         |         |         |         |
| Frame (mm)                      | 75 X 75 ( Angle Frame)              |         |         |         |         |         |         |
| Disc Spacing (mm)               | 225                                 |         |         |         |         |         |         |
| Gang Axle (mm)                  | 32 mm                               |         |         |         |         |         |         |
| Width of Cut (mm) ( Adjustable) | 1220                                | 1450    | 1680    | 1930    | 2220    | 2450    | 2650    |
| Bearings Hub                    | 4                                   |         | 4       |         | 6       |         | 8       |
| Suitable HP Range               | 35 - 50                             |         | 50 - 60 |         | 60 - 70 |         | 80 - 90 |

## Features

- Offset Disc Harrow is tractor hydraulic operated implement which trails behind the tractor and effectively breaks up clods with deeper penetration due to its heavy weight and design. Both disc gangs are offset at an angle to ensure no soil remains uncut and heavy crop residue with organic matter is effectively buried. Provision of handle screw enables it for the adjustment of inclination required for the disc penetration depth hence suitable for different cutting depths for varying soil conditions.
- In addition the implement being easily attached and transportable in top speeds, little time is lost between the shed and the field.
- Due to high quality built up and strong design and maintenance is low.
- High Quality Boron steel discs Tillage depth of the harrow is 4-6 inch
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# DISC HARROW CHANNEL FRAME TYPE



Main Frame & 3 Point linkage



Boron Disc



Bearing Housing With Greasing Point



Gang adjustment on U clamp

| Description                     | 12 Disc   | 14 Disc | 16 Disc | 18 Disc | 20 Disc | 22 Disc | 24 Disc | 28 Disc |
|---------------------------------|---|---------|---------|---------|---------|---------|---------|---------|
| Type of mounting                | Three Point Linkage (CAT II)                              |         |         |         |         |         |         |         |
| Disc Dia (mm) (Optional)        | 560 ,610 ,660   |         |         |         |         |         |         |         |
| Disc Type                       | Front: Notched, Rear: Plain                               |         |         |         |         |         |         |         |
| Frame (mm)                      | 75 X 40( Channel Frame)                                   |         |         |         |         |         |         |         |
| Disc Spacing (mm)               | 225   |         |         |         |         |         |         |         |
| Maximum Depth (mm)              | 100 - 150 (Depends on soil moisture and field conditions) |         |         |         |         |         |         |         |
| Gang Axle(mm)                   | 32 mm   |         |         |         |         |         |         |         |
| Width of Cut (mm) ( Adjustable) | 1220  | 1450    | 1680    | 1930    | 2220    | 2450    | 2650    | 2780    |
| Bearings Hub                    | 4   | 4       | 6       | 8       | 8       | 8       | 8       | 8       |
| Suitable HP Range               | 35 - 50   | 40 - 55 | 50 - 60 | 60 - 70 |         | 80 - 90 |         |         |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Offset Disc Harrow is tractor hydraulic operated implement which trails behind the tractor and effectively breaks up clods with deeper penetration due to its heavy weight and design. Both disc gangs are offset at an angle to ensure no soil remains uncut and heavy crop residue with organic matter is effectively buried.
- In addition the implement being easily attached and transportable in top speeds, little time is lost between the shed and the field.
- Due to high quality built up and strong design and maintenance is low.
- High Quality Boron steel discs
- Tillage depth of the harrow is 6 inch and can be adjusted with help of angle adjustment.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

**FALCON**  
— IMPLEMENTS —



# COMPACT DISC HARROW



Bearing Housing With Greasing point



3 Point linkage & Toebar



Boron Disc



Gang angle adjustable on handle.

| Description                    | 16 Disc   | 18 Disc | 20 Disc | 22 Disc |
|--------------------------------|---|---------|---------|---------|
| Type of mounting               | Three point Hinged Linkage (CAT II)                     |         |         |         |
| Disc Dia (mm)(Optional)        | 560, 610, 660   |         |         |         |
| Disc Type                      | Front: Notched, Rear: Plain                             |         |         |         |
| Frame                          | 100 X 100   |         |         |         |
| Disc Spacing (mm)              | 230   |         |         |         |
| Maximum Depth (mm)             | 150-200 (Depends on soil moisture and field conditions) |         |         |         |
| Gang shaft                     | 32 sq. Bar  |         |         |         |
| Width of Cut (mm) (Adjustable) | 1900  | 2100    | 2220    | 2450    |
| Bearings Hub                   | 6   | 8       | 8       | 8       |
| Suitable HP Range              | 50 - 60   | 60 - 70 |         | 80 - 90 |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- It can be used in both forms i.e. mounted as well as trailed.
- High quality boron steel disc with 48-52 HRC hardness.
- Tillage depth of the harrow is 150-200 mm.
- Easily transportable – as it gets easily attached and mounted.
- Adjustable gang axles angle up to 46°.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

**FALCON**  
— IMPLEMENTS —



# CENTER TYRE DISC HARROW



Bearing Housing With Greasing point



Boron Disc



Toe Bar System



Tyre Assembly Easy To Transport

| Description               | 18 Disc   | 20 Disc | 22 Disc      | 24 Disc | 28 Disc |
|---------------------------|---|---------|--------------|---------|---------|
| Type of mounting          | Three Point Hitch Linkage (CAT II)                      |         |              |         |         |
| Disc Dia (mm) (Optional)  | 660 / 610 / 560   |         |              |         |         |
| Disc Type                 | Front : Notched , Rear : Plain                          |         |              |         |         |
| Frame                     | 100 X 100 mm  |         | 125 X 125 mm |         |         |
| Disc Spacing (mm)         | 228,619   |         |              |         |         |
| Maximum Depth (mm)        | 150-200 (Depends on soil moisture and field conditions) |         |              |         |         |
| Width of Cut & Shaft (mm) | (Adjustable) , 50 X 50                                  |         |              |         |         |
| Bearing Hub               | 4   |         | 8            |         |         |
| Tyre Size                 | 8.25 X 16 Type  |         |              |         |         |
| Suitable HP Range         | 70-90   | 90-140  | 140-165      |         |         |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Designed to work easily in tough operating conditions. Can be used for both, surface disc harrowing (superficial ploughing) and intensive deep ploughing.
- Easy to transport on the tyres using the hydraulic system.
- The long lasting and reliable tyres and hydraulic mechanism enable the operator to control the cut depth and facilitate in easy transport.
- Due to center tyre moving from one place to another place is balance and easy.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

**FALCON**  
— IMPLEMENTS —



# COMPACT DISC HARROW WITH REAR TYRE



| Description             | 16 DCHRT  | 18 DCHRT | 20 DCHRT | 22 DCHRT | 24 DCHRT | 28 DCHRT |
|-------------------------|---|----------|----------|----------|----------|----------|
| Number of Disc          | 16  | 18       | 20       | 22       | 24       | 28       |
| Type of Mounting        | Three-point Hitch Linkage (CAT II)                      |          |          |          |          |          |
| Disc Dia, mm (Optional) | 560, 610, 660   |          |          |          |          |          |
| Disc Type               | Front: Notched, Rear: Plain                             |          |          |          |          |          |
| Frame, mm               | 100 x 100 (square pipe Frame)                           |          |          |          |          |          |
| Disc Spacing, mm        | 230   |          |          |          |          |          |
| Maximum Depth, mm       | 150-200 (Depends on soil moisture and field conditions) |          |          |          |          |          |
| Gang Axle, mm           | 32 mm sq. bar   |          |          |          |          |          |
| Width of Cut, mm (Adj.) | 1920  | 2150     | 2350     | 2350     | 2780     | 2995     |
| Weight, Kgs             | 860   | 980      | 1030     | 1030     | 1150     | 1270     |
| Bearings Hub            | 6   |          |          |          |          | 8        |
| Suitable HP Range       | 50-60   | 60-70    | 60-70    | 80-90    | 90-100   | 90-100   |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- It can be used in both forms i.e. mounted as well as trailed.
- High quality boron steel Disc with 48-52 HRC hardness.
- Tillage depth of the harrow is 150-200 mm.
- Easily transportable - as it gets easily attached and mounted.
- Adjustable gang axles angle up to 46°.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs
- Optional wheels are provided for easy transportation

**FALCON**  
— IMPLEMENTS —



# TANDEM DISC HARROW



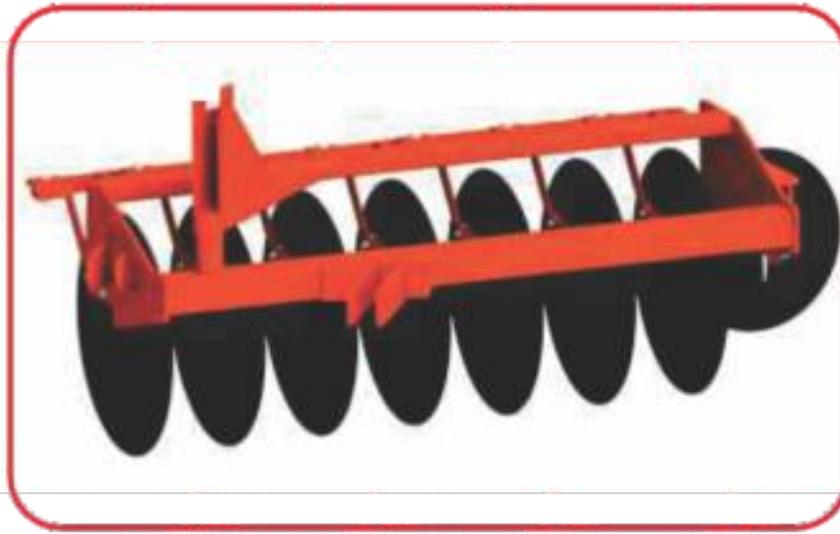
| Description                | 12 Disc   | 16 Disc | 18 Disc | 20 Disc |
|----------------------------|---|---------|---------|---------|
| Type of mounting           | Three - point Hitch Linkage (CAT II)                      |         |         |         |
| Disc Dia, mm               | 560, 610 (Optional)                                       |         |         |         |
| Disc Type                  | Front: Notched, Rear: Plain                               |         |         |         |
| Frame, mm                  | 100 x 100 with 100 x 50 mm main channel                   |         |         |         |
| Disc Spacing, mm           | 225   |         |         |         |
| Maximum Depth, mm          | 100 - 150 (Depends on soil moisture and field conditions) |         |         |         |
| Width of cut and shaft, mm | 32 x 32 (Adjustable)                                      |         |         |         |
| Bearings Hub               | 8   |         |         |         |
| Weight, kgs                | 325   | 420     | 490     | 575     |
| Width of cut, mm           | 1420  | 1820    | 2260    | 2720    |
| Suitable HP Range          | 35 - 40   | 45 - 50 | 50 - 55 | 55 - 60 |

## Features

- Tandem Disc harrow is designed in cross Disc angle. It is easy to use in tight corners because of its X type design Suitable for hard and medium soil conditions.
- Its heavy duty frame & heavy weight helps to break the clods. High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.
- High quality steel Discs.
- Tillage depth of the harrow is 6 inch. Maintenance is easy but need to be scheduled.
- Easily transportable as it gets easily attached and mounted.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# POLY DISC HARROW



Main Frame & 3 Point linkage



Cotter Disc



Heavy duty Spool



Quick Adjustable scrapper

| DESCRIPTION                            | 5 Poly Disc  | 6 Poly Disc        | 7 Poly Disc        |
|--|--|--------------------|--------------------|
| Mounting CAT                           | Cat II   |                    |                    |
| Main Frame                             | Sq. Pipe 100 X 100   |                    |                    |
| Size of Disc mm (Optional)             | 610, 660   |                    |                    |
| Type Of Disc                           | Plain Disc, Boron Steel                                      |                    |                    |
| Axel Type (mm)                         | 60 mm  |                    |                    |
| Working Depth Range (mm)               | 152 – 304 mm (Depends on soil moisture and field conditions) |                    |                    |
| Spacing Between Disc (mm)              | 225 or 250   |                    |                    |
| Over All: Length x Width x Height (mm) | 2016 X 1270 X 1150   | 2286 X 1270 X 1150 | 2556 X 1270 X 1150 |
| Weight (Approx. in Kgs)                | 400  | 470                | 510                |
| Suitable HP Range                      | 35-50  | 55-70              | 70-80              |
| Ball Bearing                           | 32209  |                    |                    |
| Bearing Housing                        | 2 Nos. (SG Iron)   |                    |                    |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Poly disc plough to tractor with three-point linkage system. The poly disc plough is designed specifically for paddy field & root instead ,sticky , stony and hard soil.
- The machine can also fit for dry-land. poly disc plough is used for chopping of stems and mixing with soil after harvesting. After using of plough on the field, you can use this disc plough for breaking of clods and crumbling of soils. Our poly disc plough is also used on all kinds of soils for making of seed bed, seeding bed, chopping of weeds, mixing of organic and inorganic fertilizers with soil and aeration as easily.
- It is ideal for rain feed areas for checking soil erosion by water and wind.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

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# ROTA VATOR



3 Point linkage



Boron Blade



PTO Shaft with Cover



Side Gear

| Description                       | 1 m   | 1.2 m   | 1.5 m   | 1.8 m   | 2.1 m   |
|-----------------------------------|---|---------|---------|---------|---------|
| Gear Box :                        | Single / Multi speed Gear Box*                      |         |         |         |         |
| Input RPM /Rotor RPMs :           | 540 or 1000 / 180 to 240                            |         |         |         |         |
| No. of Blades :                   | 24  | 30      | 36      | 42      | 48      |
| Type of Blades / Material         | L Type/c Type Boron Steel                           |         |         |         |         |
| No. of flange :                   | 5   | 6       | 7       | 8       | 9       |
| Blades Arrangement :              | 6 Blades on inner flanges & 3 Blades on end flanges |         |         |         |         |
| Side Drive :                      | Gear Type/Chain Type                                |         |         |         |         |
| Working Depth (depending on soil) | Min : 120 mm - Max : up to 210 mm                   |         |         |         |         |
| Anti Loosening                    | Nylock Nuts provided as a standard fitment          |         |         |         |         |
| Weight (Kg)                       | 250   | 280     | 355     | 467     | 490     |
| Suitable for HP :                 | 20 - 25   | 35 - 45 | 45 - 55 | 55 - 65 | 65 - 75 |

## Features

- This Rotary CULTIVATOR is Tractor PTO driven machine used for puddling the soil before rice transplantation, chopping and mixing of green manure, crop residue and stubbles into the soil to make it more fertile. As a secondary tillage implement, it prepares fine to accurate seed-bed in one go for sowing any type of crop.
- The drive to the blades from the gear box is by shaft and rugged gears to give long life and reliability.
- Choice of L-Blades, Spike-Blades.
- Adjustable mounting brackets.
- Single Speed / Multi Speed gear box.
- Spring loaded adjustable trailing board.
- Choice of chain drive or gear drive.
- Rotor speed standard 210 R.P.M. optional 235 R.P.M.
- Automatic spring loaded chain tensioner.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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— IMPLEMENTS —



# REVERSE / FORWARD ROTAVATOR



| MODEL  | WORKING WIDTH | RPM | HP    | WEIGHT APPROX. | NO. OF BLADES |
|--------|---------------|-----|-------|----------------|---------------|
| SAPL28 | 28 inch       | 540 | 15-27 | 150            | 18            |
| SAPL35 | 35 inch       | 540 | 15-27 | 160            | 22            |
| SAPL38 | 38 inch       | 540 | 15-27 | 170            | 24            |

## Features

- Reverse/Forward Rotavator series is specially designed for compact and small tractors 15 to 27 HP tractors it is particularly used for seed bed preparation, gardening and all kind of horticulture.
- This multi-functional Rotavator is side chain drive is giving best output of both side of application. Universal attachments system of the rotary tiller makes it more suitable of all kind of mini tractors.

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.



## FOR REVERSE APPLICATION

- Reverse Side Rotavator Is Suitable For 15 to 27 HP
- Reverse Application In This Rotavator Is Useful To Throw The Soil To The Crop To Make Bed.
- It Is Used In Sugarcane, Banana, Pomegranate, Grapes, Grange, Papaya, Cotton Etc..
- Side Chain Drive With Manual Tensioner Is Proper Mechanism For Reverse Application.
- Rotor With "J" Type Blade Is The Best Optional To Throw Soil On The Crop.



## FOR FORWARD APPLICATION

- Forward Side Rotavator Is Suitable For 15 to 27 HP Tractors.
- STANDARD Rotor "J" Type Blade for Best Option For Land Preparation before Seeding.
- Side Chain Drive with Manual Tensioner – Less Maintenance.
- Extra Ordinary Design And Powder Coating Make It More Powerful In The Field.

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# ROTAVATOR SERIES MODELS

## CLASSIC SERIES



| MODEL                          | CR-4   | CR-5   | CR-6   | CR-7   | CR-8   | CR-9   | CR-10   |            |
|--------------------------------|--------|--------|--------|--------|--------|--------|---------|------------|
| SIZE                           | 4 FEET | 5 FEET | 6 FEET | 7 FEET | 8 FEET | 9 FEET | 10 FEET |            |
| OVERALL LENGTH (MM)            | 1491   | 1727   | 2024   | 2321   | 2618   | 2915   | 3212    |            |
| OVERALL WIDTH (MM)             |        |        |        |        |        |        |         | 870        |
| OVERALL HEIGHT (MM)            |        |        |        |        |        |        |         | 1228       |
| 3-POINT HITCH TYPE             |        |        |        |        |        |        |         | CAT - 1    |
| WORKING WIDTH (MM)             | 1290   | 1511   | 1816   | 2111   | 2416   | 2721   | 3026    |            |
| NO. OF BLADES                  | 30     | 36     | 42     | 48     | 54     | 60     | 72      |            |
| TRACTOR POWER REQUIREMENT (HP) | 15-20  | 20-30  | 25-35  | 30-40  | 35-45  | 40-50  | 45-55   |            |
| SIDE TRANSMISSION TYPE         |        |        |        |        |        |        |         | GEAR DRIVE |
| MAX. WORKING DEPTH (MM)        |        |        |        |        |        |        |         | 127        |
| ROTOR TUBE DIAMETER (MM)       |        |        |        |        |        |        |         | 80         |
| ROTOR SWING DIAMETER (MM)      |        |        |        |        |        |        |         | 475        |
| WEIGHT (KG)                    | 195    | 250    | 305    | 360    | 415    | 470    | 525     |            |



## PRIME SERIES



| MODEL                     | DRP-5.5  | DRP-6  | DRP-6.5  | DRP-7  |            |
|---------------------------|----------|--------|----------|--------|------------|
| SIZE                      | 5.5 FEET | 6 FEET | 6.5 FEET | 7 FEET |            |
| OVERALL LENGTH (MM)       | 1852     | 2052   | 2141     | 2252   |            |
| OVERALL WIDTH (MM)        |          |        |          |        | 840        |
| OVERALL HEIGHT (MM)       |          |        |          |        | 1295       |
| 3-POINT HITCH TYPE        |          |        |          |        | CAT - 1    |
| TILLAGE WIDTH (MM)        | 1705     | 1905   | 1994     | 2105   |            |
| NO. OF BLADES             | 30       | 42     | 45       | 48     |            |
| TRACTOR POWER (HP)        | 15-25    | 20-30  | 25-35    | 30-40  |            |
| SIDE TRANSMISSION TYPE    |          |        |          |        | GEAR DRIVE |
| MAX. WORKING DEPTH (MM)   |          |        |          |        | 127        |
| ROTOR TUBE DIAMETER (MM)  |          |        |          |        | 80         |
| ROTOR SWING DIAMETER (MM) |          |        |          |        | 475        |
| WEIGHT (KG)               | 195      | 315    | 335      | 445    |            |



## ECO SERIES



| MODEL                     | ERE-5.5  | ERE-6  | ERE-7  |            |
|---------------------------|----------|--------|--------|------------|
| SIZE                      | 5.5 FEET | 6 FEET | 7 FEET |            |
| OVERALL LENGTH (MM)       | 1852     | 2052   | 2252   |            |
| OVERALL WIDTH (MM)        |          |        |        | 840        |
| OVERALL HEIGHT (MM)       |          |        |        | 1055       |
| WORKING WIDTH (MM)        | 1705     | 1905   | 2105   |            |
| NO. OF BLADES             | 48       | 54     | 60     |            |
| TRACTOR POWER (HP)        | 15-20    | 22-27  | 30-35  |            |
| NO. OF BLADES (1-40X7)    | 48       | 54     | 60     |            |
| SIDE TRANSMISSION TYPE    |          |        |        | GEAR DRIVE |
| MAX. WORKING DEPTH (MM)   |          |        |        | 127        |
| ROTOR TUBE DIAMETER (MM)  |          |        |        | 75         |
| ROTOR SWING DIAMETER (MM) |          |        |        | 475        |
| WEIGHT (KG)               | 175      | 225    | 275    |            |



Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# FALCON — IMPLEMENTS —



# LAND LEVELLER



3 Point linkage



Blade



One Piece Lower Hinge Bar



Hardening Bush

| Description                            | 5 Feet                   | 6 Feet             | 7 Feet             | 8 Feet             |
|--|--------------------------|--------------------|--------------------|--------------------|
| Working Width, mm                      | 1525                     | 1800               | 2100               | 2400               |
| Cutting Blade Thickness mm             | 10                       |                    |                    |                    |
| Support Flat (mm)                      | 75 X 12                  |                    |                    |                    |
| Blade Dim (mm)/Material                | 75 X 12/ EN8             |                    |                    |                    |
| Over All: Length x Width x Height (mm) | 1250 X 1525 X 1050       | 1875 x 1225 x 1050 | 2175 x 1225 x 1050 | 1250 X 2450 X 1050 |
| Mounting                               | 3 point linkage (Cat II) |                    |                    |                    |
| Weight Kgs                             | 140                      | 187                | 198                | 220                |
| Levelling direction                    | Regular                  |                    |                    |                    |
| Linkage Pin                            | 28 mm                    |                    |                    |                    |
| Suitable HP Range                      | 35 45                    | 45 50              | 50 60              | 60 70              |

## Features

- Land Leveller is ideal for leveling, filling, back filling and farmyard cleaning etc. Sharp edged hardened blades cuts weeds, clods, thrashes and uneven lands easily performing above expectations
- Soil retaining wings can be optionally fitted on both ends of the blade for carrying the soil without spillage.
- It is suitable for sticky soils as well.
- Heavy Duty Land Leveler is ideal for leveling, filling farm yard clearing etc.
- It is easily mountable with three point linkage and controlled by hydraulic system of tractor.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.



# TWO WAY LAND LEVELLER



3 Point linkage



Blade



Heavy frame



Hardening Bush

| Description                            | 5 Feet                   | 6 Feet             | 7 Feet             | 8 Feet             |
|--|--------------------------|--------------------|--------------------|--------------------|
| Working Width, mm                      | 1800                     | 1990               | 2100               | 2400               |
| Cutting Blade Thickness mm             | 10                       |                    |                    |                    |
| Support Flat (mm)                      | 125 X 65                 |                    |                    |                    |
| Blade Dim (mm)Material                 | 75 X 10                  |                    |                    |                    |
| Over All: Length x Width x Height (mm) | 1300 X 1830 X 1050       | 1300 X 1980 X 1050 | 1300 X 2135 X 1050 | 1300 X 2440 X 1050 |
| Mounting                               | 3 point linkage (Cat II) |                    |                    |                    |
| Weight Kgs                             | 190                      | 205                | 225                | 255                |
| Levelling direction                    | Two Way                  |                    |                    |                    |
| Linkage Pin                            | 28 mm                    |                    |                    |                    |
| Suitable HP Range                      | 45                       | 50 60              | 60 70              |                    |

## Features

- Soil retaining wings can be optionally fitted on both ends of the blade for carrying the soil without spillage.
- "Reversible Land Leveller" is ideal for levelling, filling, back fillings, farm yard clearing etc.
- Improved crop establishment by uniform spreading of water and fertilizer improves uniformity of crop maturity.
- Reduces weed problems and time of complete task of irrigation.
- Provision for usage in front as well as reverse direction ensures satisfactory front and back filling and leveling of the land.
- Sharp edged hardened blades cuts weeds, clods, thrashes and uneven lands easily performing above expectations.

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# LASER LAND LEVELLER



## BENEFITS

Laser Land leveller is leveling the field within certain degree of desired slope using a guided laser beam throughout the field. Unevenness of the soil surface has a significant impact on the germination, stand and yield of crops. Farmers also recognize this and therefore devote considerable time resources in leveling their fields properly. However, traditional methods of leveling land are cumbersome, time consuming as well as expensive.

## Description

|                  |   |
|------------------|---|
| Tractor Capacity | 50 H.P Plus                                 |
| Blade Box Height | 600 mm                                      |
| Blade Length     | 1850 mm                                     |
| Blade Capacity   | 0.6 Cu.m                                    |
| Hyd. Cylinder    | Double Acting Type 2.2 ton capacity @50 bar |
| Laser Control    | 12 V System                                 |
| Range            | 600 meter                                   |
| Make             | ASL   |

## Features

- Increase Productivity
- Save Irrigation water upto 40%
- Reduce weed in agriculture filed.
- Save fuel, electricity used in irrigation.
- Increase yield by 30%

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# LASER LAND LEVELER

## TECHNICAL SPECIFICATIONS

### MODEL

|                    |  |
|--------------------|--|
| MAIN FRAME         | HEAVY INNER STRUCTURE WITH OUTER BODY 5 MM         |
| FRONT HOOK         | ADJUSTABLE   |
| BUCKET SHEET       | 8MM (WITH BOTH SIDE ADJUSTMENT)                    |
| SCRAPING BLADE     | 125X12 MM  |
| BUCKET HEIGHT      | 590 MM   |
| BUCKET WIDTH       | 2133 MM (7FT)                                      |
| MAST               | MAST WITH MANUAL HEIGHT ADJUSTMENT                 |
| REAR AXLE FRAME    | SQ. TUBE 100X6 (FABRICATED WITH 5MM SHEET)         |
| TYRE SET           | 6.00-16 ZIG ZAG TYRE (WITH TAPER ROLLER BEARINGS)  |
| HYDRAULIC CYLINDER | 2 TON CAPACITY HEAVY DUTY (WITH UNDERBODY PIPINGS) |
| WORKING RANGE      | DIA 900 METERS                                     |
| BATTERY TYPES      | LEAD ACID RECHARGEABLE BATTERY                     |
| TRACTOR POWER REQ. | MIN. 50 HP & ABOVE                                 |
| WEIGHT             | 780 KG APPROX (WITH TRIPOD)                        |



**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# HAPPY SEEDER



| Model Number               | HSR9           | HSR10 | HSR11 |
|----------------------------|----------------|-------|-------|
| No. of Tyne                | 9              | 10    | 11    |
| No. Of Blades              | 18             | 20    | 22    |
| Gear Box                   | Single Speed   |       |       |
| No. Of Depth Control Wheel | 2 (Adjustable) |       |       |
| Tillage Width (inch)       | 75             | 83    | 91    |
| 3 Point linkage            | CAT - II       |       |       |
| Seed (Capacity Kg.)        | 40             | 50    | 60    |
| Fertilizer (Capacity Kg.)  | 40             | 50    | 60    |
| Seed & Fertilizer Dropping | Fluted Roller  |       |       |
| Weight (Kgs)               | 580            | 655   | 750   |
| Tractor(HP)                | 45 60          | 60 70 | 70 80 |

## Features

- It consists of a seed box, fertilizer box, seed and fertilizer metering mechanisms, furrow opener tynes, PTO drive gear box, cutter blades mounted on a shaft, drive wheel and adjustable depth wheels
- The sowing depth can be adjusted by depth wheel
- Seed & fertilizer quantities can be varied independently with the help of metering devices
- Cutter blades shred crop residue and forged tynes make furrow for sowing seeds on straw free residue seed bed
- Cutter blades cut residue and make it fit to be absorbed in soil as organic mass.

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# 4 ROW SEED DRILL



Main Frame & 3 Point linkage



Tyne



Seed drill Box With Fertilizer Box



Depth adjustment wheel

| DESCRIPTION                                     | Seed cum Fertilizer Drill 4 Tyne |
|---|----------------------------------|
| Main Frame (mm)                                 | Heavy Duty                       |
| Number Of Tyne                                  | 4 - 7                            |
| Tyne  | 20/25 mm Thk (Adjustable)        |
| Working Width Range (Approx. mm)                | 2080                             |
| Working Depth Range (Approx. mm)                | 150-200                          |
| Driving wheel dia                               | 470 (mm)                         |
| Over All Length x Width x Height in mm          | 2130 X 1574 X 1400               |
| Mounting  | 3 point linkage (Cat II)         |
| Suitable HP Range                               | 45 - 75                          |
| Seed Drill With Fertilizer & Without Fertilizer | Optional                         |

## Features

- It performs 4 function at a time, i.e., making beds, furrow, applying seeds and spreading fertilizer.
- Strong & robustly constructed frame with sturdy Tyness. High quality, chain, rubbers, gears and flexible pipes.
- There is no possibility of short or excess feed of seeds and fertilizer due to automatic cut of mechanism.
- Easy three point linkage mounting.
- It saves time and labour cost because sowing operation is hard and time consuming.
- This implement forms flat bed to address salt stress and provides better water management and fertilizer use efficiency. It is provided with placer wheel for the Placement of seed of proper depth.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# SEED CUM FERTILIZER DRILL



Main Frame & 3 Point linkage



Tyne



Seed Box with fertilizer



Metering Wheel

| Description                      | 5 Tyne                   | 7 Tyne | 9 Tyne | 11 Tyne | 13 Tyne | 15 Tyne |
|----------------------------------|--------------------------|--------|--------|---------|---------|---------|
| Main Frame (mm)                  | 100 X 50                 |        |        |         |         |         |
| Tyne                             | 22mm/25mm Thk            |        |        |         |         |         |
| Working Width Range (Approx. mm) | 1000                     | 1400   | 1950   | 2312    | 2768    | 3420    |
| Working Depth Range (Approx. mm) | 150 - 200                |        |        |         |         |         |
| Driving wheel Dia, mm            | 470                      |        |        |         |         |         |
| Mounting                         | 3 point linkage (Cat II) |        |        |         |         |         |
| Weight Kgs                       | 175                      | 255    | 335    | 338     | 360     | 400     |
| Suitable HP Range                | 35-45                    |        | 45-60  |         | 60-70   | 80      |

## Features

- Strong & robustly constructed frame with sturdy Tynes.
- High quality, chain, rubbers, gears and flexible pipes.
- There is no possibility of short or excess feed of seeds and fertilizer due to automatic cut of mechanism.
- Easy three point linkage mounting.
- It saves time and labour cost because sowing operation is hard and time consuming.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## ZERO SEED CUM FERTILIZER DRILL



|                                |                        |
|--------------------------------|------------------------|
| ZERO SEED SUM FERTILIZER DRILL | 911                    |
| Working Width                  | 1915mm                 |
| Diameter of Ground Wheel       | 324mm                  |
| Tractor Requirement            | 35 HP (minimum)        |
| No.of Tyne                     | 11                     |
| Row to Row Distance            | 185mm                  |
| Hitch type                     | Three Point linkage    |
| Seed Capacity                  | 75kg                   |
| Fertilizer Capacity            | 109kg                  |
| Seed Metering Device           | Fluted Roller Type     |
| Fertilier Metering Device      | Fluted Fed Roller Type |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# SEED CUM FERTILIZER DRILL



| Name                | Seed cum Fertilizer Drill       |       |        |        |        |        |
|---------------------|---------------------------------|-------|--------|--------|--------|--------|
| Model               | SFD-7                           | SFD-9 | SFD-11 | SFD-13 | SFD-15 | SFD-17 |
| Rows                | 7                               | 9     | 11     | 13     | 15     | 17     |
| Tractor H.P.        | 20-30                           | 35-40 | 40-45  | 45-50  | 50-55  | 55-60  |
| Row to Row Spacing  | 7" and Adjustable               |       |        |        |        |        |
| Fertilizer Metering | Agitator & Sliding Orifice type |       |        |        |        |        |
| Seed Metering       | Fluted Roller                   |       |        |        |        |        |

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# MULTICROP SEED CUM FERTILIZER DRILL & PLANTER



| Name                | Multicrop Seed cum Fertilizer Drill & Planter |                 |
|---------------------|---|-----------------|
| Model               | MSFD&P ( 11+9)                                | MSFD&P ( 13+11) |
| Rows                | 11  | 13              |
| Tractor H.P.        | 40-45   | 45-50           |
| Row to Row Spacing  | 7" Standard & Adjustable                      |                 |
| Fertilizer Metering | Agitator & Sliding Orifice Type               |                 |
| Seed Metering       | Fluted Roller and Inclined Plate              |                 |

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# ZERO TILL FERTI SEED DRILL



| Name                | Zero Till Ferti Seed Drill      |        |        |        |        |
|---------------------|---------------------------------|--------|--------|--------|--------|
| Model               | ZTD-9                           | ZTD-11 | ZTD-13 | ZTD-15 | ZTD-17 |
| Rows                | 9                               | 11     | 13     | 15     | 17     |
| Tractor H.P.        | 35-40                           | 40-45  | 45-50  | 50-55  | 55-60  |
| Row to Row Spacing  | 7" and Adjustable               |        |        |        |        |
| Fertilizer Metering | Agitator & Sliding Orifice Type |        |        |        |        |
| Seed Metering       | Fluted Roller                   |        |        |        |        |

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## DIRECT SEEDER FOR RICE (DSR)



| Name                | Direct Seeder for Rice                                     |        |        |
|---------------------|--|--------|--------|
| Model               | DSR-9  | DSR-11 | DSR-13 |
| No. of Rows         | 9  | 11     | 13     |
| Tractor H.P.        | 40-50  | 50-60  | 60-75  |
| Row to Row Spacing  | 8" Standard (Max) & Adjustable                             |        |        |
| Fertilizer Metering | Agitator & Sliding Orifice Type                            |        |        |
| Seed Metering       | Rotating Disc with cells on its periphery (Inclined Plate) |        |        |

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# ZERO TILL HAPPY SEEDER



| Name                | Zero Till Happy Seeder |         |
|---------------------|------------------------|---------|
| Model               | ZTHS-9                 | ZTHS-10 |
| Rows                | 9                      | 10      |
| Tractor H.P.        | 40-45                  | 45-50   |
| Row to Row Spacing  | 10" and Adjustable     |         |
| Fertilizer Metering | Fluted Roller          |         |
| Seed Metering       | Fluted Roller          |         |

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# SUPER SEEDER



|                     |                   |
|---------------------|-------------------|
| Name                | Super Seeder      |
| Model               | SS-11             |
| Rows                | 11                |
| Tractor H.P.        | 50 and Above      |
| Row to Row Spacing  | 8" and Adjustable |
| Fertilizer Metering | Fluted Roller     |
| Seed Metering       | Fluted Roller     |

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# POST HOLE DIGGER



Auger



3 point linkage with heavy duty tubular frame



Spring loaded for stabilizer



Replacing of augers easy with 6 bolt

| Description          | Specification                                   |     |     |     |     |     |
|----------------------|---|-----|-----|-----|-----|-----|
| Frame                | Heavy Duty Rectangular pipe                     |     |     |     |     |     |
| Three Point Linkage  | Category  |     |     |     |     |     |
| Gear Box             | Compatible with 55 Hp max, With ratio 3:1 Ratio |     |     |     |     |     |
| Output Shaft         | 2" (50mm)                                       |     |     |     |     |     |
| Input rpm            | 540   |     |     |     |     |     |
| PTO                  | Regular   |     |     |     |     |     |
| Auger length (APPOX) | 40"   |     |     |     |     |     |
| Auger Size           | 6"  | 9"  | 12" | 18" | 24" | 36" |
| Weight (Approx.)     | 133   | 142 | 148 | 179 | 215 | 256 |
| Tractor Power (Hp)   | 35  |     |     | 50  |     |     |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Post Hole Digger is a PTO driven machine that digs holes in rows on equal distances mechanically and economically. It is best suited for tree plantation. It can Also be used for making for electric poles and farm hedges.
- It is a PTO driven implement it is fastest method to dig hole in farm land.
- Removed soil will be placed around the pit which becomes easy to fill the pit back after plantation or erection work done.
- It has robust structure to ensure and excellent performance to the user.
- We replace auger with same frame s per 6,9,12,18,24,36 inches hole diameter required.
- Its heavy-duty gearbox encapsulates a best-in-class crown-pinion which provides a high output RPM to the auger blade.

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# POST HOLE DIGGER



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## 2 WHEEL TIPPING TRAILOR

### BENEFITS

It is used for transporting materials like seeds, fertilizers, implements etc. needed on the fields and also transporting the finished products to the warehouse/markets. The tipping mechanism allows the farmer to unload the goods from the trailer without the need of any additional labour and is also less time consuming than manual unloading. This results in higher cost-savings for the farmer.



Press Panel



Main Chassis



I-Bolt



Tyre Assembly

### Features

- It has been designed with a completely foldable layout. The front door is fixed while all other doors can be folded (dropped down) which ensures easy loading/unloading of materials.
- CNC machined Hubs & Axles used in this trailer have been designed for maximum durability & reliability. The bearings placed in these hubs have a very high load bearing capacity, ensuring minimum wear & tear even in toughest usage conditions. Bearing & Hub are protected against water & mud entry using superior quality seals.
- The Tipping Mechanism provided in the trailer makes use of best-in-class hydraulic jack & pressure pipes which ensures minimum wear & tear. This significantly reduces the maintenance costs for the farmer.
- Its robust chassis has been designed to ensure towing & loading stability, thereby providing a longer life to the trailer.
- Superior quality wider tyres have been used in this trailer to make sure that the trailer has a good grip on the land. This makes it more stable and ensures the operators safety.

| Description                | 5 Ton                       | 4 Ton         | 3 Ton        |
|----------------------------|-----------------------------|---------------|--------------|
| Number of Wheel            | 2                           | 2             | 2            |
| Chassis (Size) (feet)      | 10 X 6 X 1.75               | 10 X 6 X 1.75 | 10 X 6 X 1.5 |
|                            | 10 X 6 X 2                  |               |              |
| Tyres Size                 | 9.00 16/7.50 16 (16,20 ply) |               |              |
| Number of Axles            | Single                      |               |              |
| Tread Spacing (mm)         | 1545                        |               |              |
| Drawbar length (mm)        | 1470                        |               |              |
| Axel (mm)                  | 80                          |               | 60           |
| Hub Bolt (Nos)             | 8 (SG Iron)                 |               | 5 (SG Iron)  |
| Spring (Optional) ( Inch ) | 36 X 2.5 X (3/8) & (5/16)   |               |              |
| Disc type                  | Double Plate /Ring Disc     |               |              |
| Type Of Tipping            | Back                        |               |              |
| Plat Form                  | 3.14/4 mm Thick Sheet       |               |              |
| Main Chassis               | 6" X 3"                     | 8" X 3"       | 6" X 2"      |

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## 2 WHEEL NON TIPPING TRAILOR

### BENEFITS

It is used for transporting materials like seeds, fertilizers, implements etc. needed on the fields and also transporting the finished products to the warehouse/markets.



Press Panel



Main Chassis



I-Bolt



Tyre Assembly

| Description           | 5 Ton Non-Tipping Trailors | 4 Ton Non-Tipping Trailors | 3 Ton Non-Tipping Trailors |
|-----------------------|----------------------------|----------------------------|----------------------------|
| Number of Wheel       | 2                          | 2                          | 2                          |
| Chassis (Size) (feet) | 10 X 6 X 1.75<br>0 X 6 X 2 | 10 X 6 X 1.75              | 10 X 6 X 1.5               |
| Tyres Size            | 9.00-16 / 7.50-16          |                            |                            |
| Number of Axles       | Single                     |                            |                            |
| Disc type             | Double Plate / Ring Disc   |                            |                            |
| Tread Spacing (mm)    | 1545                       |                            |                            |
| Drawbar length (mm)   | 1470                       |                            |                            |
| Axle (mm)             | 80                         |                            |                            |
| Hub Bolt (Nos)        | 8 Bolt                     |                            | 5 Bolt                     |
| Spring (Optional)     | 42" / 36"                  |                            |                            |
| Plat Form             | 3.14/4 mm Think Sheet      |                            |                            |
| Main Chassis          | 6 X 3 / 8 X 3              |                            | 4 X 2                      |

### Features

- It has been designed with a completely foldable layout. The front door is fixed while all other doors can be folded (dropped down) which ensures easy loading/unloading of materials. Its robust chassis has been designed to ensure towing & loading stability, thereby providing a longer life to the trailer.
- CNC machined Hubs & Axles used in this trailer have been designed for maximum durability & reliability. The bearings placed in these hubs have a very high load bearing capacity, ensuring minimum wear & tear even in toughest usage conditions. Bearing & Hub are protected against water & mud entry using superior quality seals.
- Brake light reflector & turn indicators have been provided on the trailer to ensure the safety of the operator as well as the trailer.
- Superior quality wider tyres have been used in this trailer to make sure that the trailer has a good grip on the land. This makes it more stable and ensures the operators safety.

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# 4 WHEEL TIPPING TRAILOR

## BENEFITS

It is used for transporting materials like seeds, fertilizers, implements etc. needed on the fields and also transporting the finished products to the warehouse/markets. The tipping mechanism allows the farmer to unload the goods from the trailer without the need of any additional labour and is also less time consuming than manual unloading. This results in higher cost-savings for the farmer.



Press Panel



Main Chassis



I-Bolt



Tyre Assembly

| Description                 | 12 Ton                           | 10 Ton     | 8 Ton      | 6 Ton                     |
|-----------------------------|----------------------------------|------------|------------|---------------------------|
| Number of Wheel             | 4                                | 4          | 4          | 4                         |
| Chassis (Size) (feet)       | 12 X 6 X 2                       | 12 X 6 X 2 | 12 X 6 X 2 | 12 X 6 X 2                |
| Tyres Size                  | 9.00 - 20/10.00 - 20 (16,20 ply) |            |            | 9-16 /7.50-16 (16,20 ply) |
| Number of Axles             | Double                           |            |            |                           |
| Tread Spacing (mm)          | 1545                             |            |            |                           |
| Drawbar length (mm)         | 1470                             |            |            |                           |
| Axle (mm)                   | 80                               |            |            |                           |
| Hub Material                | Steel Casting                    |            |            |                           |
| Spring (Optional)           | 42" /36"                         |            |            |                           |
| Disc type                   | Double Plate /Ring Disc          |            |            |                           |
| Type Of Tipping             | Side                             |            | Back/Side  |                           |
| Plat Form                   | 3.14/4 mm Think Sheet            |            |            |                           |
| Main Chassis (Channel Size) | 6 X 3                            | 6 X 3      | 5 X 2.5    |                           |

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- It has been designed with a completely foldable layout. The front door is fixed while all other doors can be folded (dropped down) which ensures easy loading/unloading of materials.
- CNC machined Hubs & Axles used in this trailer have been designed for maximum durability & reliability. The bearings placed in these hubs have a very high load bearing capacity, ensuring minimum wear & tear even in toughest usage conditions. Bearing & Hub are protected against water & mud entry using superior quality seals.
- The Tipping Mechanism provided in the trailer makes use of best-in-class hydraulic jack & pressure pipes which ensures minimum wear & tear. This significantly reduces the maintenance costs for the farmer.
- Its robust chassis has been designed to ensure towing & loading stability, thereby providing a longer life to the trailer.
- Superior quality wider tyres have been used in this trailer to make sure that the trailer has a good grip on the land. This makes it more stable and ensures the operators safety.

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# 4 WHEEL NON TIPPING TRAILOR

## BENEFITS

It is used for transporting materials like seeds, fertilizers, implements etc. needed on the fields and also transporting the finished products to the warehouse/markets.



Press Panel



Main Chassis



I-Bolt



Tyre Assembly

| Description           | 5 Ton Non-Tipping Trailors | 4 Ton Non-Tipping Trailors | 3 Ton Non-Tipping Trailors |
|-----------------------|----------------------------|----------------------------|----------------------------|
| Number of Wheel       | 2                          | 2                          | 2                          |
| Chassis (Size) (feet) | 10 X 6 X 1.75<br>0 X 6 X 2 | 10 X 6 X 1.75              | 10 X 6 X 1.5               |
| Tyres Size            | 9.00-16 / 7.50-16          |                            |                            |
| Number of Axles       | Single                     |                            |                            |
| Disc type             | Double Plate /Ring Disc    |                            |                            |
| Tread Spacing (mm)    | 1545                       |                            |                            |
| Drawbar length (mm)   | 1470                       |                            |                            |
| Axle (mm)             | 80                         |                            |                            |
| Hub Bolt (Nos)        | 8 Bolt                     | 5 Bolt                     |                            |
| Spring (Optional)     | 42" /36"                   |                            |                            |
| Plat Form             | 3.14/4 mm Think Sheet      |                            |                            |
| Main Chassis          | 6 X 3 /8 X 3               | 4 X 2                      |                            |

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- It has been designed with a completely foldable layout. The front door is fixed while all other doors can be folded (dropped down) which ensures easy loading/unloading of materials. Its robust chassis has been designed to ensure towing & loading stability, thereby providing a longer life to the trailer.
- CNC machined Hubs & Axles used in this trailer have been designed for maximum durability & reliability. The bearings placed in these hubs have a very high load bearing capacity, ensuring minimum wear & tear even in toughest usage conditions. Bearing & Hub are protected against water & mud entry using superior quality seals.
- Brake light reflector & turn indicators have been provided on the trailer to ensure the safety of the operator as well as the trailer.
- Superior quality wider tyres have been used in this trailer to make sure that the trailer has a good grip on the land. This makes it more stable and ensures the operators safety.

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# BALER

## ADVANTAGES

- Baler can be operated in lower Hp-tractor
- Trouble free Binding Easy Adjustment
- Easy to pick , store & transport
- Lubrication system with self cleaning brush
- Bale Counter



Bale Counter



centralised self lubrication system with cleaning brush



Hydraulic Bale Ejection System



Pick up Unit

| Model                          | SuperAB 1050                  | MediumAB 1000      | MiniAB 800         |
|--------------------------------|-------------------------------|--------------------|--------------------|
| Operating Type                 | Tractor PTO Operated          |                    |                    |
| Dimension in mm (L X W X H)    | 1740 X 1450 X 1250            | 1550 X 1450 X 1250 | 1435 X 1450 X 1250 |
| Pickup Width (With Side Cover) | 1060 mm                       |                    |                    |
| Tractor Power                  | 35 - 45 HP (Dual Clutch Must) |                    |                    |
| Bale Dimension                 | D-610 X W-1050mm              | D-610 X W-930mm    | D-610 X W-930mm    |
| Bale Weight                    | 20 - 35 Kgs                   |                    |                    |
| Binding Type                   | Jute Twine                    |                    |                    |
| PTO Input Speed                | 540 RPM                       |                    |                    |
| Hitching                       | II 3 Point Linkage            |                    |                    |
| Weight (KGs)                   | 670                           | 625                | 515                |

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Automatically operated twine-binding system
- Automictically operated centralised lubrication system
- Bale density can be adjusted
- The larger tires absorb shock load in rough terrain and import flotation soft ground
- Spring-loaded bale ramp allow the bale to roll away from the baler
- No external power supply required to operated hydraulic system.

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# BALER

## TECHNICAL SPECIFICATIONS

| MODEL                     | KE 565                       |
|---------------------------|------------------------------|
| Bale Dimensions           | 360 x 460 mm                 |
| Stroke                    | 780 mm                       |
| Piston Speed              | 93 Stroke/ min               |
| Feeding Opening           | 1800 cm <sup>2</sup>         |
| Bale Length               | 300 - 1350 mm                |
| Bale Weight               | 20-35 kg                     |
| Productivity              | 250 bale/h                   |
| Knotter Set               | 2 Twines / Wire              |
| Pick-Up Width             | 1860 mm                      |
| Bar Gap                   | 70 mm                        |
| Tine Bars                 | 5 Bars pcs                   |
| Number of Tines           | 115 pcs                      |
| Tire Right                | 255 / 70 / R15               |
| Tire Left                 | 10.0 / 75 - 15.3 Tubes 10 PR |
| Rear Middle Support Wheel | 16.5 x 6.50 - 8.6 PR         |
| Support Wheel             | 400 x 8 - 6 PR               |
| Weight                    | 1915 Kg                      |
| Length of Baler (On Road) | 5150 mm                      |
| Length of Baler (On Duty) | 6180 mm                      |
| Width of Baler            | 2580 mm                      |
| Height of Baler           | 1850 mm                      |
| Minimum Power Requirement | 45 HP                        |
| PTO Drive                 | 540 RPM                      |
| Transmission              | 2 Shafts                     |

Note : Since product improvement is a continuous process specifications & details provided are subject to change without prior information.

## TECHNICAL SPECIFICATIONS

| MODEL                                      | Monster 870 XL CUT         |
|--|----------------------------|
| Chamber                                    | Variable with Belts        |
| No./ Type of Belts                         | 3 Endless Belts            |
| P.T.O. RPM                                 | 540                        |
| Power Requirement                          | 100 H.P.                   |
| Total Width Pickup                         | 225                        |
| Cutting Blades                             | 15(0-7-15)                 |
| Cutting Length                             | 70 mm                      |
| Bars Teeth-Holder/ Each Bar                | 4/30 XL Version            |
| Unblocking System                          | Standard                   |
| Electronic Net Binding                     | Standard                   |
| Electronic Twine Binding                   | Optional                   |
| Automatic Chain Lubrication                | Standard                   |
| Centralized Greasing                       | Standard                   |
| Front Wheel                                | 15 x 6.00-6                |
| Main Wheel                                 | 19.0/45-17                 |
| Comb-Feeder                                | Rotary with Cutting System |
| P.T.O. Shaft with Automatic Torque Limiter | Standard                   |
| Bales Counter                              | 10 Customizable Counters   |
| Electric Supply                            | 12V - 30A                  |
| Hydraulic Requirements                     | 2xDE                       |
| Width with Front Wheels                    | 239 cm                     |
| Width with Main Wheels                     | 250 cm                     |
| Height                                     | min 266 cm - max 270 cm    |
| Length                                     | 455 cm                     |
| Empty Weight(without Optionals)            | 3320 kg                    |



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# HYDRAULIC BOOM SPRAYER

| Model No                  | BMS-300                                | BMS-400 | BMS-500 | BMS-600 | BMS-800 |
|---------------------------|--|---------|---------|---------|---------|
| Tank Capacity ( ltr)      | 300                                    | 400     | 500     | 600     | 800     |
| Type of pump              | High Pressure Diaphragm Pump (Italian) |         |         |         |         |
| Pump Capacity (lpm),      | 55, 6                                  | 55, 8   | 55,10   | 65, 12  | 65,15   |
| Boom Length (m)           |  |         |         |         |         |
| Boom height Adjustment, m | 1                                      |         |         |         |         |
| Ground Clearance, mm      | 250                                    |         |         |         |         |
| Number of Nozzles         | 12                                     | 16      | 20      | 24      | 30      |
| Nozzle Spacing (cm)       |  |         |         |         |         |
| Nozzle Type               | Anti Drip                              |         |         |         |         |
| Boom Folding Actuation    | Manual (Hydraulic Optional)            |         |         |         |         |
| Boom Height Adjustment    | Mechanical (Hydraulic Optional)        |         |         |         |         |
| No. of Boom Sections      | 3                                      |         |         | 5       |         |
| No. of Supply Section     | 3                                      |         |         | 4       |         |
| Manifold Levers           | 3                                      |         |         |         |         |
| Boom Folding Type         | Line                                   |         |         | Cross   |         |
| Anti-Accident Action      | Spring Loaded                          |         |         |         |         |
| Tractor HP                | 24-36                                  | 36-45   | 40-50   | 50-60   | 60-70   |
| Mounting                  | CAT - I                                |         |         |         |         |
| Working pressure, bar     | 10                                     |         |         |         |         |
| Types of filter           | 80 mesh suction filter                 |         |         |         |         |

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.



## Features

- The control of insects, diseases and weeds is important for the growing of high - yielding crops or pasture of good quality. Applying the right amount of chemical at the right time is a major factor in ensuring successful control. Too many chemicals, particularly herbicides, may damage the crop and harm the environment; it will certainly waste money. Too little will also waste money because it will fail to give proper control.
- Tractor Mounted & Operated with the help of PTO pump.
- Spring loaded boom sections which avoid deflection of plants
- Water flow direction mixture tank suction filter pump control nozzle

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# MANUAL BOOM SPRAYER



| Parameters            | BMS-300               | BMS-400               | BMS-500               | BMS-600               | BMS-800               |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Tank Capacity         | 300 ltrs              | 400 ltrs              | 500 ltr               | 600 ltrs              | 800 ltrs              |
| Pump Capacity & Type  | 55 lpm<br>(Diaphragm) | 55 lpm<br>(Diaphragm) | 55 lpm<br>(Diaphragm) | 65 lpm<br>(Diaphragm) | 65 lpm<br>(Diaphragm) |
| Boom Length (Meters)  | 6                     | 8                     | 10                    | 12                    | 15                    |
| No. of Nozzles        | 12                    | 16                    | 20                    | 24                    | 30                    |
| Nozzle Spacing (cm)   | 50                    | 50                    | 50                    | 50                    | 50                    |
| Nozzle Type           | Anti Drip             |
| Boom Folding Acuation | Manual                | Manual                | Manual                | Manual                | Manual                |
| Boom Hight Adjustment | Mechanical            |                       |                       |                       |                       |
| No. of Boom Sections  | 3                     | 3                     | 3                     | 5                     | 5                     |
| No. of Supply Section | 3                     | 3                     | 3                     | 4                     | 4                     |
| Menifold Levers       | 3                     | 3                     | 3                     | 3                     | 3                     |
| Boom Folding Type     | Line                  | Line                  | Line                  | Cross                 | Cross                 |
| Anti Accident Action  | Spring Loaded         |
| Tractor HP            | 24-36                 | 36-45                 | 40-50                 | 50-60                 | 60-70                 |
| Mounting              | CAT-I                 | CAT-II                | CAT-II                | CAT-II                | CAT-II                |

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- The control of insects, diseases and weeds is important for the growing of high - yielding crops or pasture of good quality. Applying the right amount of chemical at the right time is a major factor in ensuring successful control. Too many chemicals, particularly herbicides, may damage the crop and harm the environment; it will certainly waste money. Too little will also waste money because it will fail to give proper control.
- Tractor Mounted & Operated with the help of PTO pump.
- Spring loaded boom sections which avoid deflection of plants
- Water flow direction mixture tank suction filter pump control nozzle

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# SBP600 BLOWER



Italian Nozzle



50 lpm imported pump



Suction Filter



fan assembly

| MODEL                 | SBP600                                    |
|-----------------------|---|
| POWER REQUIRED        | 24 HP AND ABOVE TRACTORS                  |
| PUMP                  | 50/60 LPM HTP / DIAPHRAGM PUMP (OPTIONAL) |
| DISCHARGE(FREE)       | 48 LPM                                    |
| WORKING PRESSURE      | 20-25 BAR                                 |
| PUMP RPM              | 540                                       |
| BLOWER RPM            | 2500                                      |
| TOTAL NO. OF NOZZLE   | 10  |
| WEIGHT                | 280 kg (approx.)10                        |
| SIZE L X W X H(IN MM) | 2550 X 1020 X 1350                        |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Suitable for 24 HP and above tractors
- Easily attach with tractor
- Galvanized chassis prevent corrosion
- Tank consist of two hydraulic agitator for maintain a proper fertilizer mix in the spray tank
- Deflector change the air flow in required direction
- Spare parts are easily available at reasonable rate
- 50/60 lpm imported diaphragm pump (optional)
- Maintenance cost is very low
- Tubeless tyre and mud scraper
- Guideline & necessary instruction stickers on tank
- Line filter for nozzle safety
- Quick service after sale
- 600 lit tank capacity
- Tractor run without load & save fuel

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# STF-600 BLOWER



Italian Nozzle



Linear fan(SS)



50 lpm Imported fan



Suction filter

| MODEL                  | STF600                                  |
|------------------------|---|
| POWER REQUIRED         | 24 HP AND ABOVE TRACTORS                |
| PUMP                   | 50/60 LPM HTP/DIAPHRAGM PUMP (OPTIONAL) |
| DISCHARGE (FREE)       | 48/58 LPM                               |
| WORKING PRESSURE       | 20 - 25 BAR                             |
| PUMP RPM               | 540                                     |
| BLOWER RPM             | 2500                                    |
| TOTAL NO. OF NOZZLES   | 10                                      |
| WEIGHT                 | 310 kgs Approx..                        |
| SIZE L X W X H (IN MM) | 2450 X 1020 X 1350                      |

## Features

- Suitable for the 24 HP and above tractors
- 100% coverage
- 600 lit tank capacity
- SS fan assembly
- 50/60 lpm HTP/Diaphragm pump (optional)
- Top fan unit with instantaneous variable pitch
- Heavy duty, Galvanized chassis prevent corrosion
- Low maintenance cost
- Air rectifying cone
- Guidelines and necessary instruction stickers on tractor
- Tank consist of two hydraulic agitator for maintain a proper fertilizer mix in the spray tank
- Spare parts are easily available at reasonable rate
- Quick service after sale

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# SDF-200 BLOWER

"This Model is Also Available In Belt & Pulley Type"



Italian Nozzle



Drain valve



Control unit



65 lpm imported diaphragm pump

| Model                 | SDF200                             |
|-----------------------|------------------------------------|
| POWER REQUIRED        | 18 HP AND ABOVE TRACTORS           |
| PUMP                  | 65 LPM DIAPHRAGM PUMP (ITALY MAKE) |
| TANK CAPACITY         | 200 LTR                            |
| WORKING PRESSURE      | 20-25 BAR                          |
| DISCHARGE(FREE)       | 63 LPM                             |
| PUMP RPM              | 540                                |
| BLOWER RPM            | 2500                               |
| TOTAL NO. OF NOZZLE   | 10                                 |
| WEIGHT                | 210 kg (approx.)                   |
| SIZE L X W X H(IN MM) | 1550 X 950 X 1250                  |

## Features

- Suitable for 18 HP and above tractors
- Heavy duty single / multi speed gear box (optional).
- Tank consist of one hydraulic agitator for maintain a proper fertilizer mix in the spray tank
- 200 lit chemical tank
- Galvanized chassis prevent corrosion
- Having air distributor
- 65 lpm diaphragm pump (Italy make)
- To control powdery mildew, Downy mildew and mites
- It gives 100% coverage
- With air recovery system
- Tractor run without load & save fuel
- Dia. 610mm, adjustable & advance technology single/double fan (optional).
- SS/GI fan assembly (Optional)
- Accurate direction for air because of long deflector
- Low maintenance cost
- Guidelines & necessary instruction stickers on tank
- Spare parts are easily available at reasonable rate
- Indian design and quality according to Indian climatic condition
- Quick service after sale

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

# SDF - 600 BLOWER

"This Model is Also Available  
In Belt & Pulley Type"



Italian Nozzle



3-way valve connection



fan assembly



75 lpm Imported  
diaphragm pump

| MODEL                | SDF600                             |
|----------------------|------------------------------------|
| POWER REQUIRED       | 24 HP AND ABOVE TRACTORS           |
| TANK CAPACITY        | 600 LTR.                           |
| PUMP                 | 'ITALY MAKE' 75 LPM DIAPHRAGM PUMP |
| DISCHARGE (FREE)     | 73 LPM                             |
| PUMP RPM             | 540                                |
| BLOWER RPM           | 2500                               |
| TOTAL NO. OF NOZZLES | 10                                 |
| WORKING PRESSURE     | 25-30 BAR                          |
| WEIGHT               | 300 kg (approx.)                   |

## Features

- Suitable for 24 HP and above tractors
- Galvanized chassis prevent corrosion
- Heavy duty drawbar having wide angle with PTO to easy turning (optional )
- To control powdery mildew, Downy mildew and mites
- Inlet valve balancing air to get 100% coverage
- 'Italy make' 75 lpm diaphragm pump
- SS fan assembly, such a way that it rotate in both direction (Clockwise & Anti clockwise)
- Dia. 610 mm fan with having facility to change the required degree
- Best quality and heavy duty 2 speed + Neutral gearbox
- 'Imported' 600 lit main tank, washing tank & hand wash tank.
- Tank consist of two hydraulic agitator for maintain a proper fertilizer mix in the spray tank
- Auto water suction facility upto 8 ft.
- Deflector change the air flow in required direction
- Tractor run without load & save fuel
- Guideline & necessary instruction stickers on tank
- Spare parts are easily available at reasonable rate
- Imported quality Indian design according to Indian climatic condition
- Quick service after sale

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# SELF PROPELLED COMBINE HARVESTER

## ENGINE

|                |                              |
|----------------|------------------------------|
| Model / Make   | BS-IV Ashok Leyland / Eicher |
| Power          | 101/134/137 HP @ 2200 RPM    |
| No of Cylinder | Six                          |
| Air Cleaner    | Combination of Dry           |
| Cooling System | Water Cooled                 |

## CLUTCH

|                |                               |
|----------------|-------------------------------|
| Type of Clutch | Single, Heavy Duty Dry Clutch |
| Dia. (mm)      | 330 (mm)                      |

## TRANSMISSION

|                        |           |           |
|------------------------|-----------|-----------|
| No. of Gears           | 3 Forward | 1 Reverse |
| Gears Speeds (Km./Hr.) |           |           |
| Forward                | L         | H         |
| 1st Gear               | 2         | 4         |
| 2nd Gear               | 4         | 8         |
| 3rd Gear               | 10        | 30        |
| Reverse                | 4         | 8         |

## CUTTER BAR

for Wheat, Paddy & Others

|                     |                    |
|---------------------|--------------------|
| Width               | 14 Feet ( 4265 mm) |
| Cutting Height (mm) | 25-1250 mm         |
| No. of Blades       | 57                 |
| No. of Guards       | 58                 |
| Stroke (mm)         | 89                 |
| Reel (rpm)          | 25-50              |
| Dia (mm)            | 1016               |

## THRESHING MECHANISM

| Thresher Drum             | Wheat (Rasp Bar)                | Paddy (Peg Tooth) |
|---------------------------|---------------------------------|-------------------|
| Width (mm)                | 1257                            | 1258              |
| Dia of Thresher Drum (mm) | 606                             | 602               |
| Speed (rpm)               | 562-960                         |                   |
| Speed Adjustment          | By Means of Mechanical Variator |                   |

## CONCAVE

| Clearance  | Wheat      | Paddy |
|------------|------------|-------|
| Front (mm) | 18-30      | 8-46  |
| Rear (mm)  | 7-12       | 4-16  |
| Adjustment | Mechanical |       |

## STRAW WALKER

|                     |      |                       |      |
|---------------------|------|-----------------------|------|
| No. of Straw Walker | 5    | Width (mm)            | 8300 |
| No. of Steps        | 5    | Height (mm)           | 4740 |
| Length (mm)         | 3770 | Ground Clearance (mm) | 3810 |
| Width (mm)          | 234  |                       | 380  |

## CLEANING

|                        |      |                     |              |
|------------------------|------|---------------------|--------------|
| Area (m <sup>2</sup> ) |      | Length (mm)         | 12280        |
| Upper Sieve Area       | 1.33 | Width (mm)          | 3130         |
| Lower Sieve Area       | 1.35 | Height (mm)         | 3810         |
|                        |      | Total Weight (K.g.) | 9125 approx. |

## CAPACITY

|                 |     |
|-----------------|-----|
| Grain Tank (m)  | 2.7 |
| Fuel Tank (Lt.) | 370 |

## BATTERY

|                     |   |
|---------------------|---|
| No. of Batteries    | 2 |
| Capacity & Rating o |   |



MAIZE CUTTER



SUPER STRAW MANAGEMENT SYSTEM



MUSTARD CUTTER



4X4 REAR AXLE

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# SELF PROPELLED COMBINE HARVESTER

Combine Chassis 41'(1041 mm)  
 Straw Walker 5 Nos(5 Step)  
 Cutter Bar 3657 mm(12 Feet)

## ENGINE

Make Ashok Leyland/ Eicher  
 Engine Power 101 HP @ 2500 RPM  
 No. of Cylinder Four  
 Air Cleaner Dry  
 Cooling System Water Cooler

## TRANSMISSION

No. of Gears 3 Forward 1 Reverse

## THRESHING SYSTEM

|                | Wheat  | Paddy  |
|----------------|--------|--------|
| Thresher Width | 970 mm | 990 mm |
| Width          | 600 mm | 620 mm |
| Diameter       |        |        |

## CONCAVE

|               | Wheat | Paddy |
|---------------|-------|-------|
| Concave Width | 1025  | 1025  |
| Width         |       |       |

## RANGE OF CLEARANCE

|           | Front                             | Rear                              |
|-----------|-----------------------------------|-----------------------------------|
| Clearance | 21.5mm to 37.4mm/11.8mm to 35.7mm | 12.5mm to 17.6mm/20.0mm to 21.5mm |

## CLEANING SIEVES

|                             |                     |
|-----------------------------|---------------------|
| Top Sieve effective area    | 1.61 m <sup>2</sup> |
| Bottom Sieve effective area | 1.05 m <sup>2</sup> |



CNC CUTTING MACHINE



HEAVY DUTY GEAR BOX



LOAN FACILITY AVAILABLE



SUBSIDY AVAILABLE



## TYRE

|       |               |
|-------|---------------|
| Front | 16.9-28, 12PR |
| Rear  | 7.50-16, 8PR  |

## CUTTING MECHANISM

|                  |                  |
|------------------|------------------|
| Cutter Bar Width | 12 Feet (3657mm) |
| Cutting Height   | 50-1250 mm       |

## GRAIN TANK CAPACITY

|                      |            |
|----------------------|------------|
| Paddy                | 14 QTL     |
| Wheat                | 16 QTL     |
| Diesel Tank Capacity | 360 Litres |

## OVERALL DIMENSIONS

|               | TRANSPORTATION | WORKING |
|---------------|----------------|---------|
| Length        | 10972 mm       | 8229 mm |
| Width         | 2926 mm        | 4000 mm |
| Height        | 3749 mm        | 3749 mm |
| Weight approx | 7000 kg        | 6705 kg |

## CUTTING CAPACITY APPROX.

|       |             |
|-------|-------------|
| Wheat | 3 Acre/Hour |
| Paddy | 2 Acre/Hour |

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# MINI SELF COMBINE HARVESTER

|                           | 9 Feet                               | 10 Feet           |              |              |
|---------------------------|--------------------------------------|-------------------|--------------|--------------|
| Combine Chassis           | 31' (914.4 mm)                       | 36' (914.4 mm)    |              |              |
| Straw Walker              | 4 No.s                               | 4 No.s            |              |              |
| Cutter Bar                | 9 feet (2743.2 mm)                   | 10 Feet (3048 mm) |              |              |
| <b>ENGINE</b>             | <b>ASHOK LEYLAND</b>                 |                   |              |              |
| Model                     | ALU W04d                             |                   |              |              |
| Power                     | 76 HP @ 2200 rpm                     |                   |              |              |
| No of Cylinder            | Four                                 |                   |              |              |
| Air Cleaner               | Dry Type                             |                   |              |              |
| Cooling System            | Water Cooled                         |                   |              |              |
| Clutch System             | Single, Heavy Duty Dry Clutch        |                   |              |              |
| Dia (mm)                  | 310 (mm)                             |                   |              |              |
| Transmission              | 3 Forward & 1 Reverse (Double Lever) |                   |              |              |
| <b>THRESHING SYSTEM</b>   |                                      |                   |              |              |
| Thresher Width            | 760 mm                               | 887 mm            |              |              |
| Diameter                  | 510 mm                               | 510 mm            |              |              |
| <b>RANGE OF SPEED</b>     |                                      |                   |              |              |
| Minimum                   | 680@1000 rpm                         | 680@1850 rpm      |              |              |
| Maximum                   | 785@1000 rpm                         | 870@1850 rpm      |              |              |
| <b>CONCAVE</b>            |                                      |                   |              |              |
| Concave Width             | 766 mm                               | 895 mm            |              |              |
| <b>RANGE OF CLEARANCE</b> | <b>WHEAT</b>                         | <b>PADDY</b>      | <b>WHEAT</b> | <b>PADDY</b> |
| Front                     | 13 mm                                | 32 mm             | 13 mm        | 32 mm        |
| Rear                      | 17 mm                                | 40 mm             | 17 mm        | 40 mm        |

| <b>CLEANING SIEVES</b>          |                      |                       |                  |                       |                |
|---------------------------------|----------------------|-----------------------|------------------|-----------------------|----------------|
| Top Sieve Effective Area        | 1.076 m <sup>2</sup> | 1.120 m <sup>2</sup>  |                  |                       |                |
| Bottom Sieve Effective Area     | 0.804 m <sup>2</sup> | 0.960 m <sup>2</sup>  |                  |                       |                |
| <b>TYRE</b>                     |                      |                       |                  |                       |                |
| Front                           | 14.9x28 12 PR        |                       |                  |                       |                |
| Rear                            | 7.50 x 15.8 PR       |                       |                  |                       |                |
| <b>CUTTING MECHANISM</b>        |                      |                       |                  |                       |                |
| Cutter Bar Width                | 9 feet (2743.2 mm)   | 10 Feet (3048 mm)     |                  |                       |                |
| Cutting Height                  | 30-1290 mm           | 30-1290 mm            |                  |                       |                |
| <b>GRAIN TANK CAPACITY</b>      |                      |                       |                  |                       |                |
| Paddy                           | 900 Kg               | 1000 Kg               |                  |                       |                |
| Wheat                           | 1000 Kg              | 1100 Kg               |                  |                       |                |
| Diesel Tank                     | 200 Liter            | 200 Liter             |                  |                       |                |
| <b>OVERALL DIMENSIONS</b>       |                      | <b>TRANSPORTATION</b> | <b>WORKING</b>   | <b>TRANSPORTATION</b> | <b>WORKING</b> |
| Length                          | 9470 mm              | 6680 mm               | 8775 mm          | 6680 mm               |                |
| Width                           | 2530 mm              | 3180 mm               | 2530 mm          | 3400 mm               |                |
| Height                          | 3170 mm              | 3170 mm               | 3170 mm          | 3170 mm               |                |
| Total Weight                    | 5400 Kg. Approx.     |                       | 5908 Kg. Approx. |                       |                |
| <b>CUTTING CAPACITY APPROX.</b> |                      |                       |                  |                       |                |
| Wheat                           | 1.5 Acres/ Hours     |                       |                  | 1.75 Acres/ Hours     |                |
| Paddy                           | 1.0 Acres/ Hours     |                       |                  | 1.25 Acres/ Hours     |                |



## SPECIAL FEATURES

- Available in 4 Straw walkers.
- 4x4 Available on Order.
- Best in segment grain unloading speed.
- Under body Diesel Tank.
- Extra Size sieves for better cleaning area.

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# TRACK COMBINE HARVESTER



## TECHNICAL SPECIFICATIONS

### ENGINE

MAKE ASHOK LEYLAND  
POWER 75 HP @ 2200 RPM

### CUTTING MECHANISM

CUTTER BAR EFFECTIVE WIDTH 2134 MM  
CUTTING HEIGHT 30-900 MM

### REEL

TYPE TINE BAR PICK UP  
DIA 945 MM  
WIDTH 2050 MM  
HEIGHT ADJUSTMENT HYDRAULIC

### FEEDER

TYPE COMB AND CHAIN  
WIDTH 550 MM

### THRESHING DRUM

LENGTH 1963 MM  
DIA(WITH SPIKE) 627 MM  
SPEED 550-600 RPM

### CONCAVE

NO. OF CONCAVE ONE  
LENGTH 1497 MM  
WIDTH 782 MM  
AREA 1.17 M<sup>2</sup>

### CLEANING SIEVES

LENGTH 720 MM  
WIDTH 774 MM  
**CAPACITY**  
FUEL TANK 65 LITER  
GRAIN TANK(PADDY) 800 KG.  
**TRACK ASSEMBLY**  
SIZE 500X56X90  
NO. S. OF RUBBER GROUSERS(EACH SIDE) 6  
SIZE OF RUBBER GROUSERS 45 MM

### TRANSMISSION

TYPE HYDROSTATIC  
PUMP DOUBLE PUMP  
MOTOR DOUBLE PUMP

### OVERALL DIMENTIONS

LENGTH 4990 MM  
WIDTH 2340 MM  
HEIGHT 2680 MM  
WEIGHT 4000 KG.  
GROUND CLEARANCE 380 MM

### FRONT

720 MM  
774 MM

### REAR

320 MM  
774 MM



#### Engine

- Powerful and efficient power.
- 4 cylinder inline.
- Rated power 75 HP.



#### Canopy Fan

- Prevents operator from dust.
- Provides a breeze of air in hot weather.



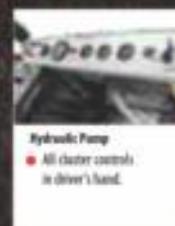
#### Unloading Auger

- 180° unloading auger for fast task emptying.
- Balanced for direct loading into trucks.



#### Track Tensioner

- Helps in keeping the track tight for perfect work.



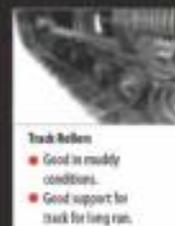
#### Hydraulic Pump

- All cluster controls in driver's hand.



#### Control Panel

- High quality Eaton Hydraulic Pump for uninterrupted work.



#### Track Rollers

- Good in muddy conditions.
- Good support for track for long run.



#### Track System

- Entertainment on track to keep operator in work mood.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# TRACK COMBINE HARVESTER

## ENGINE

|                |                      |
|----------------|----------------------|
| Make           | : Ashok Leyland      |
| Model Power    | : ALU-W04D           |
| Power          | : 76 H.P. @2200 rpm  |
| Air Cleaner    | : Combination of Dry |
| Cooling System | : Water Cooled       |

## CUTTING MECHANISM

|                           |              |
|---------------------------|--------------|
| Cutting Bar Working Width | : 2285 mm    |
| Cutting Height            | : 55-1250 mm |

## REEL

|                   |                    |
|-------------------|--------------------|
| Type              | : Tine Bar Pick up |
| Dia               | : 960 mm           |
| Width             | : 2223 mm          |
| Height Adjustment | : Hydraulic        |

## FEEDER

|       |                |
|-------|----------------|
| Type  | : Comb & Chain |
| Width | : 777 mm       |

## THRESHER DRUM

|                        |               |
|------------------------|---------------|
| Width                  | : 762 mm      |
| Dia. (Including Spike) | : 508 mm      |
| Speed                  | : 750-850 RPM |

## CONCAVE

|            |                                  |
|------------|----------------------------------|
| Width      | : 774 mm                         |
| Clearance  | : Front 13-35 mm<br>Rear 9-12 mm |
| Adjustment | : Mechanical                     |

## CLEANING SIEVES

|        | FRONT     | REAR     |
|--------|-----------|----------|
| Length | : 1219 mm | : 457 mm |
| Width  | : 703 mm  | : 703 mm |

## CAPACITY

|            |             |
|------------|-------------|
| Fuel Tank  | : 150 Ltrs. |
| Grain Tank | : 700 Kg.   |

## TRACK ASSEMBLY

|                                     |                    |
|-------------------------------------|--------------------|
| Size                                | : 450x60x90x5F(8P) |
| Track Width                         | : 1437 mm          |
| Wheel Base                          | : 1960 mm          |
| Nos. of Rubber Grousers (Each Side) | : Five Nos.        |
| Size of Rubber Grousers (Each Side) | : 60 mm            |

## TRANSMISSION

|       |               |
|-------|---------------|
| Type  | : Hydrostatic |
| Pump  | : Double Pump |
| Motor | : Double Pump |

## OVERALL DIMENSIONS

|        |           |
|--------|-----------|
| Length | : 6450 mm |
| Width  | : 2620 mm |
| Height | : 2880 mm |
| Weight | : 4800 kg |



BRIDGESTONE  
MAKE TRACK



SPECIALLY  
DESIGNED BLADES



HIGH GROUND  
CLEARANCE



SPECIALLY DESIGNED  
STRAW WALKERS



HIGH QUALITY  
SPARES

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# TRACTOR MOUNTED COMBINE HARVESTER



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# MAIZE HEADER



EXTRA LONG STOCK ROLLERS



GEAR BOX CLUTCH MECHANISM



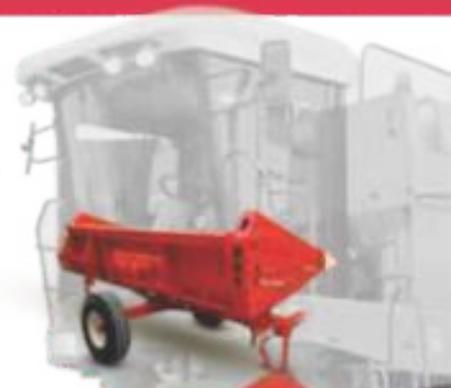
HEAVY DUTY SPROCKET & CHAIN



HEAVY DUTY PLATE BODY



HEAVY DUTY OIL BATH GEAR BOX



## TECHNICAL SPECIFICATIONS

| Model                                 | DMH5   | DMH6              | DMH7              |
|---------------------------------------|--|-------------------|-------------------|
| Effective cutter bar Width(mm)        | 3048-3352  | 3352-3790         | 3352              |
| Working Width with shoes(mm)          | 2819.4-3124.2                                    | 3124.2-3430       | 3124.2            |
| No. of Guide Plates                   | 5  | 6                 | 7                 |
| Distance between two guide plates(mm) | 460-610  | 460-610           | 460               |
| Type of Guide plates                  | Triangular shape, MS sheet fabricated            |                   |                   |
| Size of Guide Plate(mm)               | Length: 800, Base Width: 460-530, Height: 250    |                   |                   |
| Type of crop feed augers              | Screw Auger                                      |                   |                   |
| Type of snap rollers                  | Rectangular fitted with 4 nos. of Cutting Blades |                   |                   |
| Size of snap Rollers(mm)              | Length: 800, Cross Section: 70x70                |                   |                   |
| No. of Snap Rollers                   | 10   | 12                | 14                |
| Number of Cutting Blades              | 40   | 48                | 56                |
| Size of Cutting Blades mm             | Length: 550, Width: 63, Thickness: 5             |                   |                   |
| Width of Cutting edge(mm)             | 4  |                   |                   |
| Number & type of Crop Conveyor(mm)    | 10, Chain & Scoop                                | 12, Chain & Scoop | 14, Chain & Scoop |
| Weight                                | 1890 Kg  | 2020 Kg           | 2250 Kg           |
| Trailer Size                          | 17.5 Feet  | 18.5 Feet         | 18.5 Feet         |
| Tyre Size                             | 7x50x16  | 9x16              | 9x16              |

| Model                                 | DMH 3                             |
|---------------------------------------|-----------------------------------|
| Effective cutter bar Width(mm)        | 1960                              |
| Working Width with shoes(mm)          | 1638                              |
| No. of Guide Plates                   | 4                                 |
| Distance between two guide plates(mm) | 460-610                           |
| Type of Guide plates                  | Triangular Shape, MS Sheet Fabric |
| Size of Guide Plate(mm)               | L-660, W-520, H-240               |
| Type of crop feed augers              | Screw Auger                       |
| Type of snap rollers                  |                                   |
| Size of snap Rollers(mm)              | L-635, Cross Section- 70x70       |
| No. of Snap Rollers                   | 6                                 |
| Number of Cutting Blades              | 24                                |
| Size of Cutting Blades(mm)            | L-400, W-61, T - 5                |
| Width of Cutting edge(mm)             | 4                                 |
| Number & type of Crop Conveyor(mm)    | 6, Chain & Scoop                  |
| Weight                                | 645 Kg                            |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# ROTARY RAKE

## TECHNICAL SPECIFICATIONS

| MODEL 903  | ROTARY RAKE |
|--|-------------|
| Position of Center of Gravity A                  | 1250 mm     |
| Total Length of the Machine W                    | 3300 mm     |
| Total Width of Machine L (Working Step)          | 3500 mm     |
| Total Height of the Machine H (Working Step)     | 1350 mm     |
| Total Width of the Machine L1 (Transport Phase)  | 1400 mm     |
| Total Height of the Machine H1 (Transport Phase) | 2820 mm     |
| Total Mass                                       | 360 n.      |
| Arms   | 8 n.        |
| Harvest Times                                    | 27 n.       |
| PTO Shaft  |             |
| Torque Limiter                                   | 300 Nm      |

### FEATURES OF THE TYRES

|                             |          |
|-----------------------------|----------|
| Dimensions of Machine Tyres | 16x6.5-8 |
| Inflation Pressure          | 2.5 Bar  |

### TRACTOR REQUIREMENTS

|                                  |              |
|----------------------------------|--------------|
| Minimum Power                    | 20 CV        |
| Recommended Power                | 35 CV        |
| Rear Lifting Unit                | 1/2 Category |
| PTO Rotation Rate                | 540 rpm      |
| Splined Profile of the PTO Shaft | 1" 3/8 2-6   |

### NOISE LEVEL

|   |           |
|---|-----------|
| Sound Level that is Detected at the Driver Seat | 75 db (A) |
| Weight  | 350 kg.   |



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# STRAW REAPER



## TECHNICAL SPECIFICATIONS

Chassis : 56" (1423 mm)  
Thresher Dia : 22" (558 mm)

### CUTTING MECHANISM

Cutter Bar Width : 7 Feet (2134 mm)  
Tyres : 6.50.20

### DOUBLE BLOWER

Grain Tank provided for grain storage from waste. Stone trap tray provided for safety of machine.

### OVERALL DIMENSIONS ( IN TRANSPORTING)

Length : 3370 mm  
Width : 2450 mm  
Height : 2015 mm  
Weight : 2000 Kg.

Cutting Capacity : 1-2 Acres per hour.

- FREE SPARE PARTS & TOOL KIT
- SPARES ARE AVAILABLE IN ALL PLACES.
- WARRANTY : FOR ONE SEASON

### WORKING OF THE STRAW REAPER

The tines fixed on the reel pipes push the straw of wheat crop left after combine operation towards the oscillating cutter bar after which the harvested straw reaches the threshing drum. The wheat straw gets crushed in very small pieces in the threshing unit. The product fine straw is sucked by the blowers and is then pushed towards the outlet pipe by blower and which is collected in the trailer fitted with wire mesh.

## SALIENT FEATURES

- ▶ Heavy Duty Plate Body Chassis
- ▶ Straw Reaper Manufactured by Laser Cutting and CNC machines
- ▶ Powder Coating Paint
- ▶ High Quality Blades

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# PNEUMATIC PLANTER



|                     |                                 |       |
|---------------------|---------------------------------|-------|
| Name                | Pneumatic Planter               |       |
| Model               | PP                              |       |
| Rows                | 4                               | 6     |
| Tractor H.P.        | 50-60                           | 70-90 |
| Fertilizer Metering | Agitator & Sliding Orifice Type |       |
| Seed Metering       | Vacuum Rotating Disc            |       |

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## MAIZE / MULTI CROP PLANTER



| Name                | Multi Crop Planter   |       |       |       |
|---------------------|--|-------|-------|-------|
| Model               | MCP-3  | MCP-4 | MCP-5 | MCP-6 |
| No. of Rows         | 3  | 4     | 5     | 6     |
| Tractor H.P.        | 30-35  | 35-40 | 40-50 | 50-65 |
| Row to Row Spacing  | 24" Standard (Max) & Adjustable                            |       |       |       |
| Fertilizer Metering | Agitator & Sliding Orifice Type                            |       |       |       |
| Seed Metering       | Rotating Disc with cells on its periphery (Inclined Plate) |       |       |       |

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# MULTI CROP RIDGE PLANTER



| Name                | Multi Crop Ridge Planter                                   |        |        |
|---------------------|--|--------|--------|
| Model               | MCRP-3   | MCRP-4 | MCRP-5 |
| No. of Rows         | 3  | 4      | 5      |
| Tractor H.P.        | 40-50  | 50-60  | 60-75  |
| Row to Row Spacing  | 24" Standard (Max) & Adjustable                            |        |        |
| Fertilizer Metering | Agitator & Sliding Orifice Type                            |        |        |
| Seed Metering       | Rotating Disc with cells on its periphery (Inclined Plate) |        |        |

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## RAISED BED PLANTER-WIDE BED



|                     |  |
|---------------------|--|
| Name                | Raised Bed Planter - WIDE BED                                |
| Model               | RBP-WB   |
| Rows                | 4 Rows   |
| Tractor H.P.        | 45-55  |
| Row to Row Spacing  | 24" and Adjustable   |
| Fertilizer Metering | Agitator & Sliding Orifice Type                              |
| Seed Metering       | Rotating Disc with cells on its periphery ( Inclined Plate ) |

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## RAISED BED PLANTER- NARROW BED



|                     |                                 |
|---------------------|---------------------------------|
| Name                | Raise Bed Planter - Narrow Bed  |
| Model               | RBP-NB                          |
| Rows                | 4 Rows                          |
| Tractor H.P.        | 45-50                           |
| Row to Row Spacing  | 7" and Adjustable               |
| Fertilizer Metering | Agitator & Sliding Orifice Type |
| Seed Metering       | Fluted Roller & Inclined Plate  |

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## MULTI CROP PLANTER (FURROW SOWING)



| Name                | Multi Crop Planter (Furrow Sowing)                         |       |       |
|---------------------|--|-------|-------|
| Model               | MCP-3  | MCP-4 | MCP-5 |
| No. of Rows         | 3  | 4     | 5     |
| Tractor H.P.        | 40-50  | 50-60 | 60-75 |
| Row to Row Spacing  | 24" Standard (Max) & Adjustable                            |       |       |
| Fertilizer Metering | Agitator & Sliding Orifice Type                            |       |       |
| Seed Metering       | Rotating Disc with cells on its periphery (Inclined Plate) |       |       |

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## MULTICROP PLANTER (FOR MINI TRACTOR)

## SEED CUM FERTILIZER DRILL (FOR MINI TRACTOR)



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**ZERO TILL MULTI CROP PLANTER  
FOR 2 WHEEL TRACTOR (DIRECT HIRCH)**



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## VEGETABLE NURSERY TRANSPLANTER



## MULTI CROP PLANTER FOR MINI POWER TILLER



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## AXIAL FLOW VEGETABLE SEED EXTRACTOR



## GROUNDNUT DIGGER



## FERTILIZER SPREADER



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# PADDY THRESHER



| P-55 5 FAN                           |  |                      |
|--------------------------------------|--|----------------------|
| TYPE                                 |  | PADDY THRESHER       |
| DRIVE                                |  | TRACTOR PTO OPERATED |
| REQUIRED POWER                       |  | 35 H.P. OR ABOVE     |
| TYRES                                |  | 6.00.16              |
| CROPS                                |  | PADDY                |
| SPEED                                |  | CONSTANT             |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |  |                      |
| LENGTH                               |  | 4415 MM              |
| HIGHT                                |  | 2460 MM              |
| WIDTH                                |  | 2480 MM              |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |  |                      |
| DRUM SIZE                            |  | 36X70"               |
| NO. OF BLOWERS                       |  | 5                    |

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# MULTI-CROP THRESHER



## P-77 WITH SIDE BASKET

|                |   |
|----------------|---|
| TYPE           | MULTI CROP THRESHER   |
| DRIVE          | TRACTOR PTO OPERATED  |
| REQUIRED POWER | 35 H.P. OR ABOVE  |
| TYRES          | 6.00.16   |
| CROPS          | PADDY, WHEAT, MUSTARD, SOYABEAN, CHICKPEAS,<br>RED GRAM , BLACK GRAM AND GREEN GRAM |
| SPEED          | FIX FAN SPEED   |

## OVERALL DIMENSIONS (APPROX:)

|        |         |
|--------|---------|
| LENGTH | 4110 MM |
| HIGHT  | 2640 MM |
| WIDTH  | 3110 MM |

## THRESHING DRUM SIZE (APPROX:)

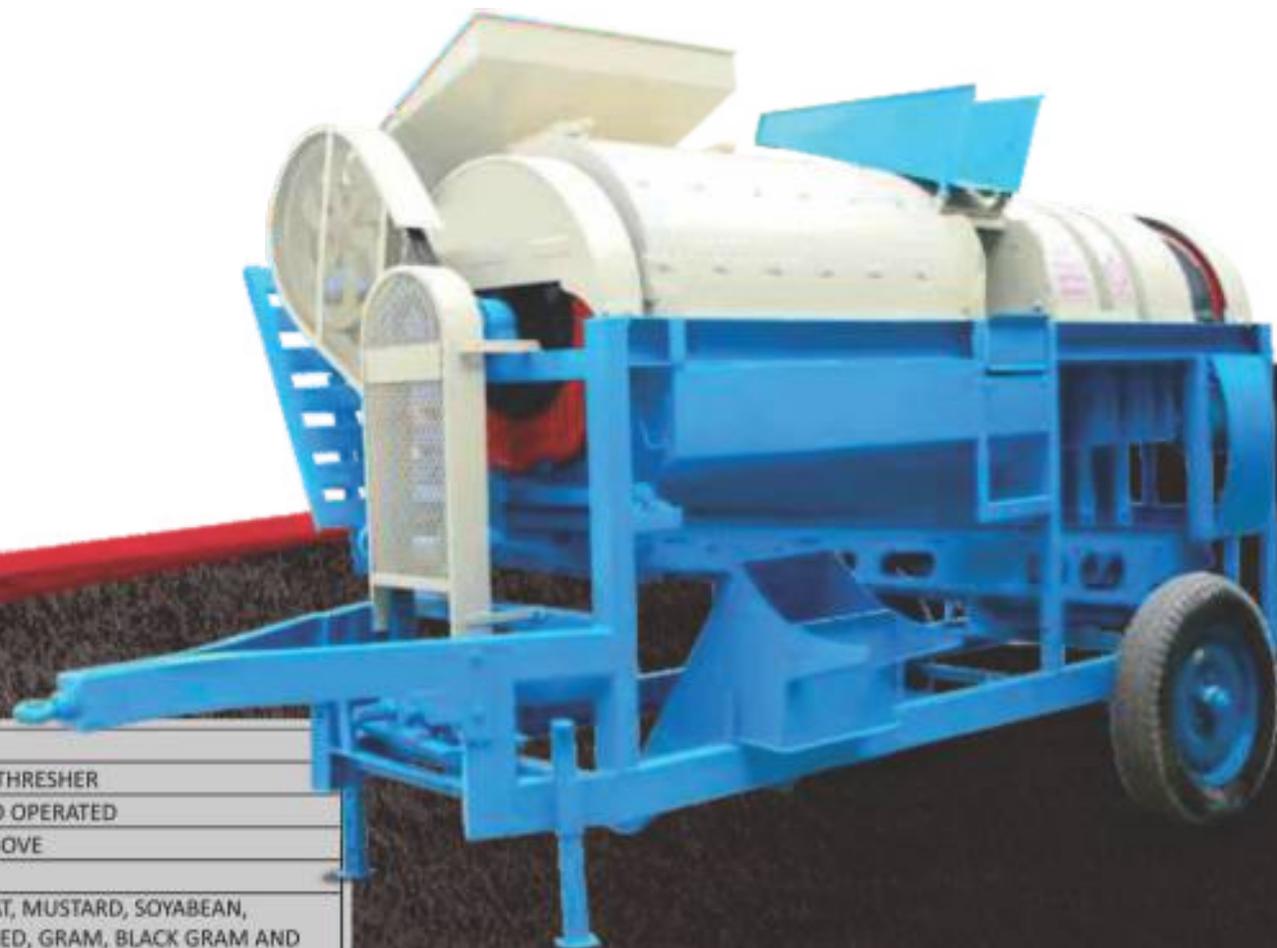
|                |        |
|----------------|--------|
| DRUM SIZE      | 36X62" |
| NO. OF BLOWERS | 4      |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# MULTI-CROP THRESHER



## P-80 WITH HOPPER

|                                      |  |
|--------------------------------------|--|
| TYPE                                 | MULTI CROP THRESHER  |
| DRIVE                                | TRACTOR PTO OPERATED   |
| REQUIRED POWER                       | 35 H.P. OR ABOVE   |
| TYRES                                | 6.00.16  |
| CROPS                                | PADDY, WHEAT, MUSTARD, SOYABEAN, CHICKPEAS, RED, GRAM, BLACK GRAM AND GREEN GRAM |
| SPEED                                | FAN SPEED VARIABLE   |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |  |
| LENGTH                               | 4210 MM  |
| HIGHT                                | 2465 MM  |
| WIDTH                                | 2595 MM  |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |  |
| DRUM SIZE                            | 36X62"   |
| NO. OF BLOWERS                       | 4  |

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# MULTI-CROP THRESHER



## P-80 WITH SIDE BASKET

|                                      |   |
|--------------------------------------|---|
| TYPE                                 | MULTI CROP THRESHER   |
| DRIVE                                | TRACTOR PTO OPERATED  |
| REQUIRED POWER                       | 35 H.P. OR ABOVE  |
| TYRES                                | 6.00.16   |
| CROPS                                | PADDY, WHEAT, MUSTARD, SOYABEAN, CHICKPEAS , RED GRAM , BLACK GRAM AND GREEN GRAM |
| SPEED                                | FAN SPEED VARIABLE  |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |   |
| LENGTH                               | 4210 MM   |
| HIGHT                                | 2940 MM   |
| WIDTH                                | 3110 MM   |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |   |
| DRUM SIZE                            | 36X62"  |
| NO. OF BLOWERS                       | 4   |

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# MAIZE SHELLER



## P-225 MINI MAIZE SHELLER

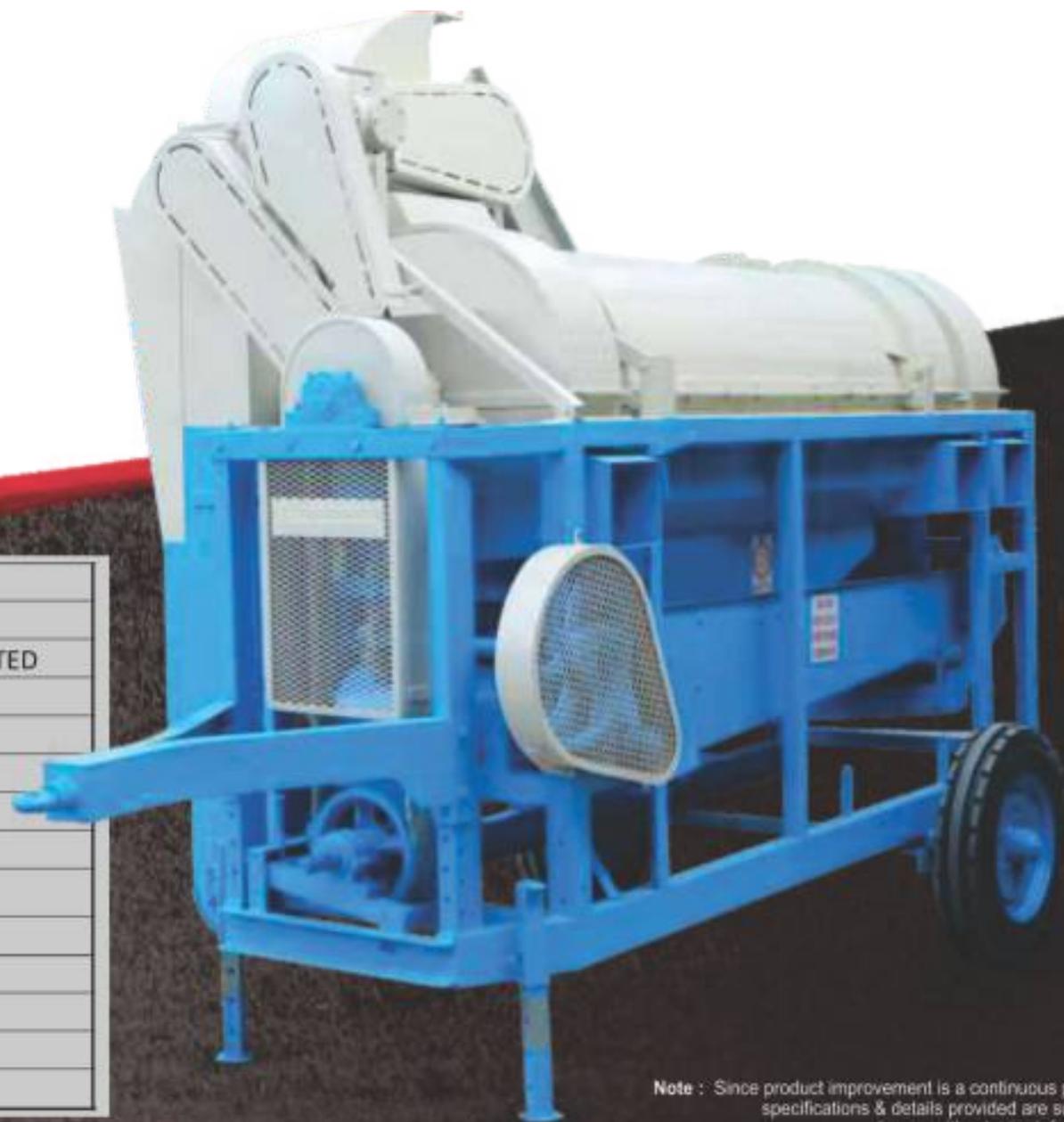
|                                      |                      |
|--------------------------------------|----------------------|
| TYPE                                 | MAIZE SHELLER        |
| DRIVE                                | TRACTOR PTO OPERATED |
| REQUIRED POWER                       | 25 H.P OR ABOVE      |
| TYRES                                | 6.00.16              |
| CROPS                                | MAIZE                |
| SPEED                                | CONSTANT             |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |                      |
| LENGTH                               | 3020 MM              |
| HIGHT                                | 1872 MM              |
| WIDTH                                | 1445 MM              |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |                      |
| DRUM SIZE                            | 40X19"               |
| NO. OF BLOWERS                       | 1                    |
| WEIGHT                               | 440 KG               |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# MAIZE DEHUSKER



## P-245 WITH BELT CONVEYOR

|                |                      |
|----------------|----------------------|
| TYPE           | MAIZE DEHUSKER       |
| DRIVE          | TRACTOR PTO OPERATED |
| REQUIRED POWER | 35 H.P. OR ABOVE     |
| TYRES          | 6.00.16              |
| CROPS          | MAIZE                |
| SPEED          | CONSTANT             |

## OVERALL DIMENSIONS (APPROX:)

|        |         |
|--------|---------|
| LENGTH | 4215 MM |
| HIGHT  | 2750 MM |
| WIDTH  | 1798 MM |

## THRESHING DRUM SIZE (APPROX:)

|                |        |
|----------------|--------|
| DRUM SIZE      | 64X28" |
| NO. OF BLOWERS | 4      |

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# CUTTING THRESHER

| P-445                         |                      |
|-------------------------------|----------------------|
| TYPE                          | CUTTING THRESHER     |
| DRIVE                         | TRACTOR PTO OPERATED |
| REQUIRED POWER                | 35 H.P. AND ABOVE    |
| TYRES                         | 6.00.16              |
| CROPS                         | WHEAT                |
| HEAD SPEED                    | REVRSE-FORWARD       |
| GEAR AND HEAD TYPE            | 2 JOINT              |
| OVERALL DIMENSIONS (APPROX:)  |                      |
| LENGTH                        | 4655 MM              |
| HIGHT                         | 2270 MM              |
| WIDTH                         | 1695 MM              |
| THRESHING DRUM SIZE (APPROX:) |                      |
| DRUM SIZE                     | 32X37"               |
| NO. OF BLOWERS                | 3                    |



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# MULTI-CROP THRESHER

## P-535 BACK BASKET

|                                      |   |
|--------------------------------------|---|
| TYPE                                 | MULTI CROP THRESHER   |
| DRIVE                                | TRACTOR PTO OPERATED  |
| REQUIRED POWER                       | 35 H.P. OR ABOVE  |
| TYRES                                | 6.00.16   |
| CROPS                                | PADDY, WHEAT, MUSTARD, SOYABEAN, CHICKPEAS, RED GRAM, BLACK GRAM AND GREEN GRAM |
| SPEED                                | FAN SPEED VARIABLE  |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |   |
| LENGTH                               | 5185 MM   |
| HIGHT                                | 2640 MM   |
| WIDTH                                | 2705 MM   |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |   |
| DRUM SIZE                            | 36X62"  |
| NO. OF BLOWERS                       | 4   |



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# MULTI-CROP THRESHER



**P-825**

|                                      |   |
|--------------------------------------|---|
| TYPE                                 |   |
| DRIVE                                | TRACTOR PTO OPERATED  |
| REQUIRED POWER                       | 25 HP   |
| TYRES                                | 6.00.16   |
| CROPS                                | WHEAT, SOYABEAN, MUSTARD, RED GRAM, BLACK GRAM, GREEN GRAM, CORIANDER, KLONJI, CUMIN AND PEAS |
| SPEED                                | VARIABLE VIA PULLEY   |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |   |
| LENGTH                               | 4335  |
| HIGHT                                | 2647  |
| WIDTH                                | 1665  |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |   |
| DRUM SIZE                            | 32.25"X30"  |
| NO. OF BLOWERS                       | 3   |
| WEIGHT                               | 1820 KG   |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# BASKET THRESHER



## P-1060

|                                      |   |
|--------------------------------------|---|
| TYPE                                 | BASKET THRESHER   |
| DRIVE                                | TRACTOR PTO OPERATED  |
| REQUIRED POWER                       | H.P. OR ABOVE   |
| TYRES                                |   |
| CROPS                                | WHEAT, SOYABEAN, MUSTARD, RED GRAM, BLACK GRAM, GREEN GRAM, CORIANDER, KLONJI, CUMIN AND PEAS |
| SPEED                                | VARIABLE VIA PULLEY   |
| <b>OVERALL DIMENSIONS (APPROX:)</b>  |   |
| LENGTH                               | 5475 MM   |
| HIGHT                                | 2605 MM   |
| WIDTH                                | 2295 MM   |
| <b>THRESHING DRUM SIZE (APPROX:)</b> |   |
| DRUM SIZE                            | 38.5X50"  |
| NO. OF BLOWERS                       | 4   |

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# SHREDDER



Gear box with over running clutch



Rear Roller



Rotary with hammer



Side Belt Drive

| Model                       | AS105                | AS150             |
|-----------------------------|----------------------|-------------------|
| Type                        | Tractor PTO Operated |                   |
| Dimension in mm (L X W X H) | 1125 X 780 X 700     | 1720 X 1150 X 855 |
| Working Width               | 1050 mm              | 1500 mm           |
| Tractor Power               | 18 - 24 HP           | 40 & Above Hp     |
| Side Transmission Drive     | Toothed Belt         |                   |
| No. Of Blades               | 40/20                | 22                |
| Type Of Blades              | Y Type/Flat Hammer   | Flat Hammer       |
| No. of Belts                | 2                    | 3                 |
| PTO Input Speed             | 540 RPM              |                   |
| Hitching                    | Cat -                | Cat -             |
| Weight (KGs)                | 115                  | 358               |

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Shredder is reliable implement for shredding grass and bushes. When it is passed on the grass, clipping remains trapped inside the frame until they are cut into the pieces. Shredder returns the cut grass piece onto the yard where they quickly decompose and improving overall organic structure of the soil.
- Suitable for cutting coconut leaf, sugarcane trashes and cotton twigs.
- Suitable for grass cutting as well as cutting of small twinge in vine yards green manure and orchards.
- Shredding directly the entire cotton plant after harvesting.

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# DISK RIDGER



3 Point linkage



Boron Disc



Bearing Housing



Adjustable angle of Disc & Scraper

| DESCRIPTION                      | 2 Disk   | 4 Disk   |
|----------------------------------|--|--|
| Mounting CAT                     | Cat II   |  |
| Main Frame                       | 100 X 100 (Square pipe Frame)                                  |  |
| Size of Disk                     | 660 mm x 5/6 mm thick  |  |
| Type Of Disk (Material)          | Plain (High Carbon/Boron)                                      |  |
| Working Width Range (mm Approx.) | 1420<br>(Depends On working with Adjustment and soil moisture) | 2400<br>(Depends On working with Adjustment soil moisture) |
| Spacing Between Disk             | Adjustable   |  |
| Over All: L x W x H (mm)         | 910 x 2000 X 1385  | 1700 X 2550 X 1485   |
| Working Depth Range (mm Approx.) | 150 - 300 (Depends On soil moisture and field condition)       |  |
| Weight (Approx. in Kgs)          | 190  | 400  |
| Suitable HP Range                | 35 - 50  | 50 Above   |

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Fully or easily adjustable for row spacing size and depth.
- Available in 2 bottoms and 4 bottoms to make one and 2 ridges resp.
- It is easily operated in each and every type of soil.
- Its high quality boron steel given extra life to equipment.
- High quality bearings and hubs ensure smooth operation and put minimum load on the tractor.
- High quality seals prevent the entry of mud and water into the bearings and hubs.

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# RIDGER WITH TYRE



Main Frame & 3 Point linkage



Furrow



Easy to adjust the tyne width and depth



Easy to control depth with help of tyres

| Description                      | 4 Furrow                 | 5 Furrow |
|----------------------------------|--------------------------|----------|
| Mounting                         | 3 Point Linkage (Cat II) |          |
| Main Frame (mm)                  | 100 X 50                 |          |
| Furrow                           | 5 mm thick               |          |
| Type Of Furrow                   | M.S                      |          |
| Working Width Range (mm Approx.) | Adjustable               |          |
| Spacing Between                  | Adjustable               |          |
| Working Depth Range (mm Approx.) | 210 to 250               |          |
| Weight (Approx. in Kgs)          | 350                      | 490      |
| Suitable HP Range                | 50-70                    | 70-90    |

## Features

- It is best suited for medium to light soils. It is used for simple ridge making which makes it useful for planting vegetables & crops and allows water management in the fields. It is a basic implement which makes it very easy to use. It can be easily transported by mounting it directly to the three point linkage of the tractor.
- Its robust pipe frame provides adequate weight & strength to the ridger, allowing it to make bunds / ridges properly.
- The distance between furrows can be adjusted which allows the farmer to vary the height width of the ridge/bund.
- The ergonomically designed shovels used in this CULTIVATOR have a unique composition which ensures high durability & efficient working.
- The working depth of the ridge/bund can be controlled using the tyres provided with the Ridger

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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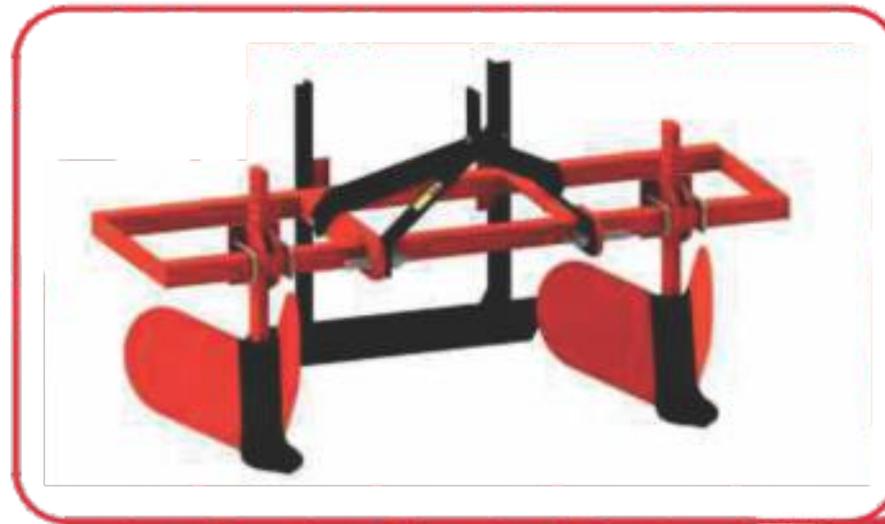
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# BED FORMER



Main Frame & 3 Point linkage



Heavy Foot



Tyne can adjust easily with help of clamp



Harrowing Bush

| DESCRIPTION             | BED FORMER      |
|-------------------------|-----------------|
| Number of Tynes         | 2               |
| Mounting CAT            | Cat II          |
| Main Frame (mm)         | 50 X 50 Sq pipe |
| Number Of Clamp         | 2               |
| Bed Size                | Adjustable      |
| Weight (Approx. in Kgs) | 250             |
| Suitable HP Range       | 35-50           |

## Features

- It is used for cultivation of multi crops Groundnut, Bellary onion, Ragi, Maize, Black Gram, Coriander, Vegetables, Banana, Papaya, Sappota, Bitter gourd with this Implement it is possible to lay levelled beds, bunds and irrigation channels etc., quickly and perfectly.
- This Implement is multi operational to lay levelled beds, bunds and irrigation channels etc.,
- It works quickly and perfectly.
- It can conveniently be converted as bundformer with ridger by removing the leveller.

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# BUNDING MACHINE



3 Point linkage



Hyd. System



Furrow attachment



Harrowing Bush

| Description                           | Bunding Machine          |
|---------------------------------------|--------------------------|
| Main Frame (mm)                       | 75 X 40                  |
| Operated By                           | Hydraulic Cylinder       |
| Working Width Range (Approx. mm)      | 1930                     |
| Working Depth Range (Approx. mm)      | 150 - 200                |
| Driving wheel Dia, mm                 | 470                      |
| OverAll: Length x Width x Height (mm) | 1070 X 2070 X 1000       |
| Mounting                              | 3 point linkage (Cat II) |
| Weight (Kgs)                          | 275                      |
| Suitable HP Range                     | 35 - 45                  |

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## Features

- It is Used for forming bunds in well prepared soil to facilitate formation of plots, irrigation and identification.
- It is drawn with the help of a tractor in fields.
- It is mostly used for water conservation in dry area.
- It can store 6 to 8 inches rain water and conserve it.
- It is used full for cultivation of Groundnut, Bellary onion, Ragi, Maize, Black Gram, Coriander, Vegetables, Banana, Papaya, Sappota, Bitter gourd with this Implement it is possible to lay levelled beds, bunds and irrigation channels etc., quickly and perfectly.

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# MULCHING MACHINE



Main Frame & 3 Point linkage



Back Furrow



Fertilizer arrangement



Dripping pipe arrangement

| Description                               | Mulching Machine                   |
|---|------------------------------------|
| Main Frame (mm)                           | 65 X 65 mm                         |
| Mulching Paper (Size feet)                | 3.5/4 Roll                         |
| Bed Preparation Height Range (Approx. mm) | 4" to 8"                           |
| Drip Pipe Laying                          | Adjustable for all types of rolls. |
| Marking & Hole Punching                   | Adjustable                         |
| Mounting                                  | CAT II                             |
| Weight Kgs (Approx.)                      | 310 Kg                             |
| Suitable HP Range                         | 35 to 55                           |
| Overall Length x Width x Height in mm     | 1730 X 1805 X 2030 mm              |
| Hole Punching System                      | 4,8,12,16,20 (Inch)                |

## Features

- It is multi operational equipment used to raise bed preparation, lying of dripping pipe and mulching film and fertilizing.
- Main purpose of this machine is save time and money and water also.
- It is the best path to recover and redevelop your farming.
- Hole Punching (Distance can be maintained) & Marking Lays 2.5 FT, 3 FT, 3.5 FT, 4 FT, 4.5 FT Plastic Mulch
- Marking & Hole Punching (Adjustable Single, Double and Zigzag 4 , 8 , 12 , 16 , 20 , 24 , 48 inch)
- Fertilizer Spreading

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# SUGARCANE PLANTER



Main Frame & 3 Point linkage



Furrow



Fertilizer arrangement



PTO shaft with cover

| Description                       | Sugarcane Planter                                      |
|-----------------------------------|--|
| Number of Furrows                 | 2  |
| Mounting CAT                      | Cat II   |
| Main Frame (mm)                   | 100 X 50 channel                                       |
| Farrow Bases thickness (in mm)    | 25   |
| Number Of Clamp                   | 2  |
| Working Width Range (Approx. )    | 4,4.5,5 Feet   |
| Overall Dimensions (L X W X H) mm | 1830 X 1885 X 2745                                     |
| Maximum Depth (mm)                | 150-250(Depends on soil moisture and field conditions) |
| Suitable HP Range                 | 45 Above   |
| Total Weight (Approx.)Kgs         | 850  |

## Features

- "Sugarcane Planter" covers six operations at a time.
- It consist of sugarcane cutting block and fertilizer box.
- The gear box operates the PTO shaft according to the tractor speed.
- There is sitting arrangement with two chair for sugarcane placing.
- The given ridger is useful for making deep farrow openings.
- This Ridger prior to planting / sowing operations.
- It having arrangement for changing the size of row.

**Note :** Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# SUGARCANE STRUBBER



3 Point Linkage



Blades



Adjustable Tyne



Heavy Duty Gear Box

| DESCRIPTION                            | SUGARCANE STRUBBER  |
|--|---------------------|
| Number Of Blades                       | 8                   |
| Mounting CAT                           | Cat II              |
| Main Frame                             | 50 X 50 mm Sq Pipe  |
| Blades                                 | Boron Steel         |
| Number OF Tyne                         | 2                   |
| Drive/Out                              | PTO 540 RPM/180 RPM |
| Over All: Length x Width x Height (mm) | 1580 x 1800 x 1060  |
| Weight (Approx. in Kgs)                | 249                 |
| Suitable HP Range                      | 35 To 55            |

## Features

- Row spacing Size and depth of the ridge can be adjusted.
- This machine is used for the chopping of sugarcane stems with ground level.
- Improve germination of shoots and no chances of pests and fungus attack.
- It serve preparation cost and labour cost and time also.
- Performs Inter-culture operations
- Reduces frequency and duration of irrigation
- Reduces total cost of production of Sugarcane crop

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# HYDRAULIC BUCKET / ARM



3 Point linkage



Bucket



Easy turning arrangement



Hydraulic arrangement

| Model Number                                | ARM-01                           |
|---|----------------------------------|
| Main Frame                                  | 100 X 100 mm Sq Pipe             |
| Match Tractor                               | for 45 - HP tractor              |
| Bucket Capacity (M3):                       | 0.2                              |
| Bucket Width:                               | 0.8 m                            |
| Overall Dimensions (During Transportation): | 1875 X 840 X 1528 mm (L X W X H) |
| Bucket Rotating Angle (Degree):             | 120°                             |
| Discharging Height (mm)                     | 1800 (Approx.)                   |
| Control Level                               | 1 (Hydraulic Cylinder)           |

## Features

- The Hydraulic Bucket is ideal for loading trucks, carts and other.
- It is fabricated with the highest quality steel plates and hydraulic tilting.
- It is mostly used for farm goods and waste loading.
- Ruggedly constructed from tabular steel, the crane is capable of lifting a load up to 200-300 kg. The goose-neck design makes it particularly handy for loading and unloading trucks and trailers.
- Used almost daily on any farm.
- Simple - One minute attachment.
- It is recommended that the stabilizer bar chain be used if transporting over rough ground.
- Height of lift is adjustable with help of hydraulic system

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# ROTARY SLASHER

## BENEFITS

The grass cutter mower horizontal slashing is the most versatile method of grass cutting. Rotary slasher is powerful enough to cope with tall weeds and small bushes, yet giving a satisfactory fine cut on turf areas mounted with optional front and rear rollers, scalping is minimal. Tractor-mounted rotary slasher provides a very cost-effective grass cutting solution. Rotary slasher is one of the best machines in itself for cutting unwanted wild grass



3 Point Linkage



Blade



Gear Box



Rubber or chain Safety

| Description                           | Light Dusty 5 | Heavy Duty 6  | Heavy Duty 7  |
|---------------------------------------|---------------|---------------|---------------|
| No of Blades                          | 2             | 2             | 2             |
| Size of Board in (Inch)               |               | 10            |               |
| Complete width of Cut in (mm)         | 1524          | 1830          | 2130          |
| Mounting CAT                          |               | Cat II        |               |
| 3 Point Linkage Flat                  |               | 75 X 12T      |               |
| Size of frame (mm)                    |               | 100 x 25      |               |
| PTO Rpm                               |               | 540           |               |
| Material of Blades                    |               | EN 8          |               |
| Over All Length x Width x Height (mm) | 2050X1675X950 | 2050X1930X950 | 2050X2235X950 |
| Suitable HP Range                     | 45 to 55      | 55 to 70      | 70 to 90      |

## Features

- Designed for fast application to any type of 35-50 HP tractors with three point linkage.
- Safety chain shield standard.
- Tractor driven suitable for P.T.0.540 rpm.
- Rotary slasher and grass slasher having reversible steel blades for cutting wild grass, shrubs, weeds, sugarcane stacks, etc.
- Cutting width : approx.6 feet & 7 Feet.

Note : Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

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# ROTARY HAY RACK



| Model                            | Description  |
|----------------------------------|--------------|
| Mounting CAT                     | Cab          |
| Dia. of Rotor wheel (mm)         | 2900         |
| Total number of Arm              | 9            |
| PTO kpm                          | 450          |
| Tension Method                   | Spring       |
| NO. OF double Tines Per Arm      | 3            |
| Working width Range (mm Approx.) | 2500 mm      |
| Weight (Approx. in Kgs)          | 450          |
| Suitable HP Range                | 45 and Above |

Note :- Since product improvement is a continuous process, specifications & details provided are subject to change without prior information.

## Features

- Hay Rake especially designed for collecting cut hay or straw into windrows. Then collect those straw by Round or Square Baler.
- Heavy Machine Construction
- Simple Mechanism & Low Maintenance
- Easily Height Adjusting by Level Arm
- Easy Baling for Round / Square Baler
- Uniformity Raking

