



**PRINOTH**  
HYDRAULIC DRIVEN  
MULCHERS

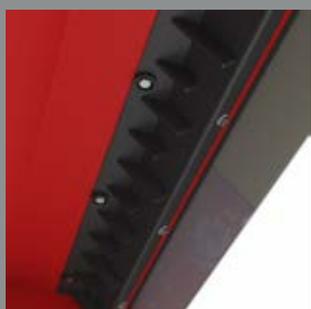


# M450h

The M450h is a lightweight mulcher for universal use with skid steer loaders in the power range of 80-220 HP.

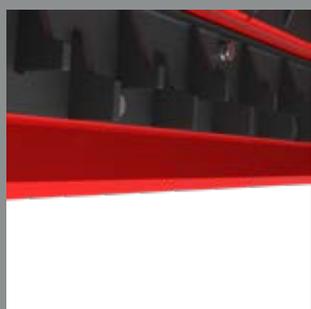
## Benefits for you

- + Extremely lightweight
- + Reduced power requirement
- + Simple handling



### Rotor blocking protection

The three-stage counter blades prevent large objects infiltrating and blocking the rotor.



### Two-stage counter blades

The two-stage counter blades reduce the power requirement and increase the shredding quality. (Optional)



### Centre of gravity

As the mulcher is arranged in an upright position, the centre of gravity is very close to the carrier vehicle.



### Variable displacement motor

The 80 cc motor with high-pressure variable displacement allows individual adjustment with maximum torque.

| WORKING WIDTH IN [MM]     | 62 [1600]            | 87 [2200]            | 106 [2700]      |
|---------------------------|----------------------|----------------------|-----------------|
| Power range HP            | 80-130               | 80-130               | 120 - 220       |
| Volume flow l/gpm [l/min] | 17-35 [80-160]       | 17-35 [80-160]       | 26-57 [120-260] |
| Total width in [mm]       | 75 [1900]            | 98 [2500]            | 118 [3000]      |
| Weight* lbs [kg]          | 2180 [990]           | 2888 [1310]          | 3483 [1580]     |
| Tools                     | 40 x UPTs / 32 x BCS | 56 x UPTs / 48 x BCS | 56 x BCS        |
| Power transfer            | V-belt               | V-belt               | V-belt          |

Changes due to technical improvements reserved.

\*Weight information refers to the configuration without push bar and without counter blades installed on the flap.



# M450s



The M450s mulcher is dedicated for the compact loader segment or other hydraulic-driven carriers. Developed for a range of carrier vehicles from 80-150 HP.

#### Benefits for you

- + Perfect visibility
- + Lightweight
- + Plug & Mulch



#### Plug & Mulch

Hydraulic hoses with standard fittings are included in the package and already delivered from factory.



#### Powerful

Equipped with a strong 107 cc Rexroth HD variable axial piston motor, the low maintenance polybelt concept saves time.



#### BCS Bite-Control-System

BCS-Rotor with steel knives or carbide teeth. Best balanced rotor for less wear on bearings, high productivity and perfect finishing.



#### Maximum Safety

For maximum safety the M450s is equipped with anti-slip stripes on top of the housing with two steps for a safe access to the carrier.

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>WORKING WIDTH IN [MM]</b>     | 75 [1900]                         |
| <b>Power range HP</b>            | 80-150                            |
| <b>Volume flow l/gpm [l/min]</b> | 26-53 [100-200]                   |
| <b>Total width in [mm]</b>       | 87 [2200]                         |
| <b>Weight* lbs [kg]</b>          | 3483 [1580]                       |
| <b>Tools</b>                     | 48 x UPTs / 40 x BCS / 48 x HDT01 |
| <b>Power transfer</b>            | Tooth belt                        |

Changes due to technical improvements reserved.

\*Weight information refers to the configuration without push bar and without counter blades installed on the flap.

# M550h



The M550h is a mulcher for medium-heavy applications with a rotor diameter of 21.6 in (550 mm). It is suitable for hydraulic carrier vehicles with 150-300 HP.

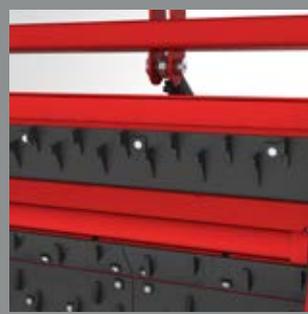
## Benefits for you

- + Protected hydraulic hoses
- + Reduced power demand
- + Easy to use



## Body lining

Highly wear-resistant steel with counter blades reduces wear and tear and shreds the material more finely.



## Two-stage counter blades

The offset blade arrangement requires less power and increases the shredding quality. (Optional)



## Flexible linkage

A universal flat face allows to install the mulcher to a very wide range of hydraulic carrier vehicles.



## Variable displacement motor

The 80 cc motor with high-pressure variable displacement allows individual adjustment with maximum torque. (107 cc possible)

|                           |                      |                      |
|---------------------------|----------------------|----------------------|
| WORKING WIDTH IN [MM]     | 83 [2110]            | 95 [2410]            |
| Power range HP            | 100-300              | 100-300              |
| Volume flow l/gpm [l/min] | 80 [300]             | 80 [300]             |
| Total width in [mm]       | 98 [2500]            | 110 [2800]           |
| Weight* lbs [kg]          | 4520 [2050]          | 5511 [2200]          |
| Tools                     | 52 x UPTs / 56 x BCS | 60 x UPTs / 64 x BCS |

Changes due to technical improvements reserved.

\*Weight information refers to the configuration without push bar and without counter blades installed on the flap.

# M650h



The M650h is a mulcher for medium-heavy applications with a rotor diameter of 25.6 in (650 mm). It is suitable for hydraulic carrier vehicles with 200-450 HP.

#### Benefits for you

- + Protected hydraulic hoses
- + Reduced power demand
- + Easy to use



#### Body lining

Highly wear-resistant steel with counter blades reduces wear and tear and shreds the material more finely.



#### Two-stage counter blades

The two stage blade arrangement requires less power and increases the shredding quality. (Optional)



#### Flexible linkage

A universal adapter can be mounted to the standard 3-point-hitch to be attach to any carrier vehicle.



#### Power belt

The spring tension of the belts reduces wear and tear and ensures optimum power transmission.

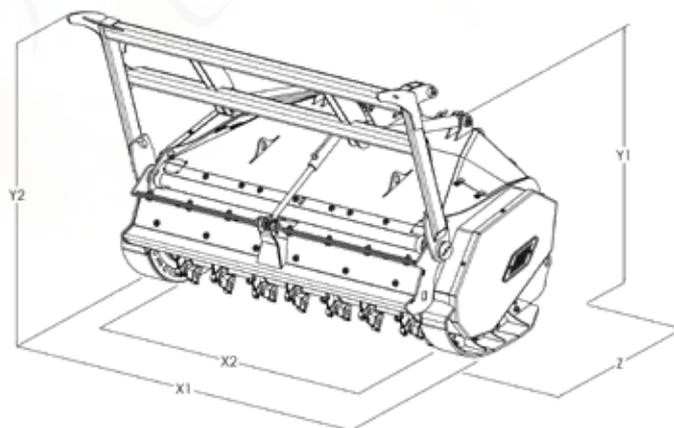
| WORKING WIDTH IN [MM]     | 80 [2050]              | 93 [2350]               | 100 [2550]              |
|---------------------------|------------------------|-------------------------|-------------------------|
| Power range HP            | 200-400                | 200-400                 | 200-400                 |
| Volume flow l/gpm [l/min] | 63-106 [240-400]       | 63-106 [240-400]        | 63-106 [240-400]        |
| Total width in [mm]       | 98 [2500]              | 110 [2800]              | 118 [3000]              |
| Weight* lbs [kg]          | 5842 [2650]            | 6173 [2800]             | 6834 [3100]             |
| Tools                     | 48/60x UPTs / 60 x BCS | 56/72 x UPTs / 68 x BCS | 64/80 x UPTs / 76 x BCS |

Changes due to technical improvements reserved.

\*Weight information refers to the configuration without push bar and without counter blades installed on the flap.

# TECHNICAL DATA

|              | Volume flow<br>gpm (l/min) | Working width<br>in [mm]<br>(X2) | Total width<br>in [mm]<br>(X1) | Height<br>in [mm]<br>(Y1) | Depth<br>in [mm]<br>(Z) | Weight<br>lbs [kg] | Tools    | Belt<br>Transmission |
|--------------|----------------------------|----------------------------------|--------------------------------|---------------------------|-------------------------|--------------------|----------|----------------------|
| <b>M450h</b> | 17-35 [80-160]             | 63 [1600]                        | 75 [1900]                      | 40 [1010]                 | 27 [686]                | 2183 [990]         | 40/32    | 3 (1x)               |
|              | 26-53 [100-200]            | 75 [1900]                        | 87 [2200]                      | 40 [1010]                 | 27 [686]                | 2535 [1150]        | 48/40    | 3 (1x)               |
|              | 17-35 [80-160]             | 86 [2200]                        | 98 [2500]                      | 40 [1010]                 | 27 [686]                | 2888 [1310]        | 48/56    | 3 (1x) / 3 (2x)      |
|              | 26-57 [120-260]            | 106 [2700]                       | 118 [3000]                     | 40 [1010]                 | 34 [867]                | 3483 [1580]        | 56       | 3 (2x)               |
| <b>M450s</b> | 26-53 [100-200]            | 75 [1900]                        | 87 [2200]                      | 40 [1010]                 | 31 [778]                | 3483 [1580]        | 40/48    | 1                    |
| <b>M550h</b> | 80 [300]                   | 83 [2110]                        | 98 [2500]                      | 47 [1203]                 | 54 [1369]               | 4519 [2050]        | 52/56    | 4 (2x)               |
|              | 80 [300]                   | 95 [2410]                        | 110 [2800]                     | 47 [1203]                 | 54 [1369]               | 4850 [2200]        | 60/64    | 4 (2x)               |
| <b>M650h</b> | 63-106 [240-400]           | 80 [2050]                        | 98 [2500]                      | 49 [1253]                 | 60 [1520]               | 5842 [2650]        | 48/60/60 | 6 (2x)               |
|              | 63-106 [240-400]           | 93 [2350]                        | 110 [2800]                     | 49 [1253]                 | 60 [1520]               | 6173 [2800]        | 56/72/68 | 6 (2x)               |
|              | 63-106 [240-400]           | 100 [2550]                       | 118 [3000]                     | 49 [1253]                 | 60 [1520]               | 6834 [3100]        | 64/80/76 | 6 (2x)               |



Changes due to technical improvements reserved.

# TOOLS

Our tools are designed to prevent the build-up of mounds in the middle of the mulching strip and reduce the risk of unbalance to a minimum.

To avoid unbalancing opposite tools should always be changed at the same time. In our system the opposing counterpart of the tool to be changed is easy to identify.

Our tool systems are suitable for all ground conditions, vegetation types and densities.

Depending on their layout, tools can be rotated when worn.

## UPTs ROTOR SYSTEM

- + Long lifetime
- + Reduced power demand
- + Safe fit under extreme conditions
- + Universal for use above and in the ground



## BCS ROTOR SYSTEM

- + Very high cutting performance
- + Perfect depth control
- + For jobs working above the ground or with slight ground contact



## Rotovators



## Biomass harvesting



## Mulching carriers





Other sales and service sites can be found on [www.prinoth.com](http://www.prinoth.com)

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