End users - Applications - Tractors

End users:

- Farmers
- Contractors
- Upkeepers of green areas
- Councils

Type of application:

- Vegetation mowing

Tractor Power: 100 ÷ 160 HP

<table>
<thead>
<tr>
<th>Tractor HP</th>
<th>90</th>
<th>100</th>
<th>110</th>
<th>120</th>
<th>130</th>
<th>140</th>
<th>150</th>
<th>160</th>
<th>170</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZHE2500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

- Lower linkage Cat II and Cat III
Standard equipment & Options

**Standard:**
- Rotor with Hammer blades
- PTO 540 Rpm
- Hydr. Hoses with quick coupling
- Replaceable and wear resistant side skids
- 5 belt transmission with protection cover
- Gear box with free wheel
- CE guards
- Front protection with steel flaps
- Rear protection with rubbercloth
- Height adjustable rear roller
- Right Hand drive

**Option:**
- Y flails
- Wideangle PTO SHAFT
Flail head dimensions

(*) including the protecting steel tube
(**) with the roller in the lowest position

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit</th>
<th>ZHE2500</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 (*)</td>
<td>Cm/in</td>
<td>261 – 102”</td>
</tr>
<tr>
<td>A2 (*)</td>
<td>Cm/in</td>
<td>308 – 121”</td>
</tr>
<tr>
<td>B (*)</td>
<td>Cm/in</td>
<td>117 – 46”</td>
</tr>
<tr>
<td>C1 (**)</td>
<td>Cm/in</td>
<td>62 – 24”</td>
</tr>
<tr>
<td>C2 (**)</td>
<td>Cm/in</td>
<td>103 – 40”</td>
</tr>
</tbody>
</table>
Rotor

Helical spiral rotor (overlap) which permits a high coverage and a correct balancing with less vibrations.

Rotor is equipped with balance plates which permit an accurate balancing and at the same time they function as impurity safety labyrinth system.

Rotor dia 7.63” mm and 0.40” thick – hammer and Y flail are interchangeable on the same rotor.

Forged hammer blades for: wood, grass, twigs
diam. max 2”

Multi-use “Y” blades for: Grass, bushed, shrubs, sticks.
diam. max 1 ½”

<table>
<thead>
<tr>
<th>Hammer q.ty</th>
<th>Y falils q.ty</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>78</td>
</tr>
</tbody>
</table>
The rear roller is secured to the side wall through bolts. The roller is adjustable in 4 positions.

Free discharge area is after the roller. The cut material is not pressed by the roller and the roller stays cleaner.

Rear roller provided with scraper.

Rear roller dia.: 6.61”
Roller thickness: 1.77”
3 P Linkage

3P linkage suitable for CAT II and CAT III

Parallel arms

Ferri:
Arc 4.72" x 4.72' x 0.31"

Ferri:
arm 5.5" x 3.15"x 0.24” mm
Counter blade and stands

**Counter blade**

An Adjustable counterblade is provided, the cutting quality can be arranged by the customer depending on the blades utilized.

**Stands**

For better stability 2 stands are provided.
Housing : thickness and side skids

**Housing thicknesses**

- Side walls: 0.4”
- Outer skin: 0.2”
- Inner skin: 0.2”

**SIDE SKIDS**

Side skid are rounded to allow less friction during the side shift in operation.
Frame protections

Rear protection with rubbercloth.

Tube for front edge protection in case of hitting obstacles (beams, trees, posts)

If damaged the tube can be easily replaced

Front protection with steel flaps
Hydraulic system: hoses and valves

**Built in block valve positioned on the ram inside the parallel arms**
- The secure the rigidity of the flail head and structure during transfer
- No need to use locking pins

**Tap on the line controlling the head rotation**

All pipes of the two rams controlling the sideshift and flailhead angle are equipped with quick couplings
Belt transmission

Greaser is positioned in a protected place

5 belts provided

Belt tensioning is obtained by sliding the gearbox support after loosening the bolts that secure it on the frame.
**Frame features**

**FLOATING HEAD**
Thanks to a slot in the ram support the flail head has got a little play in order to better follow the ground contours. The floating can be disengaged by a locking pin.

**Flail head angle** +90° a -60°.

**ADJUSTABLE RAM INSIDE THE PARALLEL ARMS**
The ram inside the parallel arm can be adjusted in order to avoid possible interfernces between PTO shaft and mainframe.

*Thanks to a slot in the ram support the flail head has got a little play in order to better follow the ground contours. The floating can be disengaged by a locking pin.*
The main housing frame is provided by a double skin structure. The lower and upper layers. The goal is to provide the right rigidity and strength for the torsion and forces the machine is subject when in the field.

Particular attention was given to strengthen the main pivot point.

To allow the presence of a large rear hood for rotor inspection, a quite important reinforcement is given by a 100x60x5mm longitudinal tube.

**DOUBLE SKIN**
Spring assisted breakaway system

SPRING ASSISTED BREAKAWAY SYSTEM
Two springs allow an 8° breakaway in case of obstacles.
The pivot point on the 3P linkage allows the frame to move up to 10° upwards allowing the overcoming of small obstacle on the field during the job.
<table>
<thead>
<tr>
<th>Specification</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tot weight without PTO</td>
<td>Lbs</td>
<td>3130</td>
</tr>
<tr>
<td>Working width</td>
<td>Inches</td>
<td>98.4”</td>
</tr>
<tr>
<td>Cutting width (hammer and Y flails)</td>
<td>mm</td>
<td>95”</td>
</tr>
<tr>
<td>Max power absorption</td>
<td>HP / kW</td>
<td>78 / 57.3</td>
</tr>
<tr>
<td>Belt drive</td>
<td>n° / Type</td>
<td>5 / SPBX</td>
</tr>
<tr>
<td>Ram max pressure</td>
<td>PSI</td>
<td>2900</td>
</tr>
<tr>
<td>PTO</td>
<td>RPM</td>
<td>540</td>
</tr>
<tr>
<td>Rotor</td>
<td>RPM</td>
<td>~2140@540PTO</td>
</tr>
<tr>
<td>Blade tip speed</td>
<td>feet/s</td>
<td>~170@540PTO</td>
</tr>
<tr>
<td>Rear roller diameter and thickness</td>
<td>inches</td>
<td>6.6” / 1.77”</td>
</tr>
</tbody>
</table>