## Mounting possibilities 300\textsuperscript{plus}

<table>
<thead>
<tr>
<th>345\textsuperscript{plus}</th>
<th>360\textsuperscript{plus}</th>
<th>375\textsuperscript{plus}</th>
<th>390\textsuperscript{plus}</th>
</tr>
</thead>
<tbody>
<tr>
<td>8100, 8200, 8300, 8400, 8500</td>
<td>8100, 8200, 8300, 8400, 8500</td>
<td>8300, 8400, 8500</td>
<td>8400, 8500</td>
</tr>
<tr>
<td>8600, 8700, 8800</td>
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To be able to drive legal on public roads with the 390\textsuperscript{plus} it could be necessary to order the comfort support wheel. This depends on local regulations.
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<tbody>
<tr>
<td>7200, 7300, 7400, 7500</td>
<td>7300, 7400, 7500</td>
<td>7400, 7500, Allrad</td>
<td>7750, 7950</td>
</tr>
<tr>
<td>7250, 7350, 7450, 7550</td>
<td>7350, 7450, 7550</td>
<td>7450, 7550</td>
<td>7750, 7950</td>
</tr>
<tr>
<td>7180, 7280, 7380, 7480, 7580</td>
<td>7280, 7380, 7480, 7580</td>
<td>7480, 7580</td>
<td>SPFH from model year 2010 on 7780, 7980</td>
</tr>
<tr>
<td></td>
<td>7700, 7800, Allrad</td>
<td>7700, 7800, Allrad</td>
<td>7780, 7980</td>
</tr>
<tr>
<td></td>
<td>7750, 7850, 7950</td>
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To be able to drive legal on public roads with the 390\textsuperscript{plus} it could be necessary to order the comfort support wheel. This depends on local regulations.
## Technical specifications

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<tr>
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<th>360 plus</th>
<th>375 plus</th>
<th>390 plus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length</strong></td>
<td>1.6 m</td>
<td>1.73 m</td>
<td>1.73 m</td>
<td>1.73 m</td>
</tr>
<tr>
<td><strong>Working width</strong></td>
<td>4.5 m</td>
<td>6 m</td>
<td>7.5 m</td>
<td>9 m</td>
</tr>
<tr>
<td><strong>Transport width</strong></td>
<td>3 m</td>
<td>3 m</td>
<td>3 m</td>
<td>3.3 m</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Ca. 2025 kg</td>
<td>Ca. 2400 kg</td>
<td>Ca. 3250 kg</td>
<td>Ca. 4100 kg</td>
</tr>
</tbody>
</table>
Transport position 300 plus series

Minimal length and width
- Transport width 3.0 m (345 plus, 360 plus & 375 plus)
- Transport width 3.3 m (390 plus)
- Length 1.6 m
- Build short
- Less counter weights
- Less load on front axle
- Driving curves easily
Main drive 300 \textit{plus} series (only 7000 series)

2-speed transmission
For longer length of cut (LOC)
17.5\% speed increase
\begin{itemize}
  \item 1st gear 1:1
  \item 2nd gear 1:1.175
\end{itemize}
Main drive 300 plus series (only 7000 series)

2-speed transmission
Optional 345 plus & 360 plus
Standard for 375 plus and 390 plus
Standard header drive connection (8000 series)
Optional automatic PTO coupler for header drive (8000 series)

Coupler part automatically slides into the counter part on the SPFH

- Easier to attach and detach the header
- Time saving and increased comfort
Liquid cooled friction clutches

Standard
Optional 345 plus
Coolant reservoir 1.3 litre
Friction discs
Spring pack
Housing
Driveline 300 plus series

Power is transmitted by closed oil bath gearboxes and safety clutches
Driveline 300 plus series

Power is transmitted by closed oil bath gearboxes and safety clutches
Cutting system 300 \textit{plus} series

Row independent cutting system
Closed saw blade circle
Intake finger locks up every plant
Cutting system 300 plus series

Fast running mowing rotor
Cuts even under extreme circumstances
• Weeds
• Thin stemmed plants
• etc.

Replaceable segments
Tungsten carbide coated blades

- Sharpness does not diminish with increasing use
- Reduced load placed on clutches and transmission
- 3 times longer service life
- Fewer blade changes
- Exclusive from John Deere

*Service set LCA79040*
4 blades right, 4 Blades left, 8 scrapers, special bolts and nuts

*Non coated blades:*
*Service set LCA78553*
8 blades, 8 scrapers, special bolts and nuts

<table>
<thead>
<tr>
<th>Necessary sets per machine</th>
<th>345 plus</th>
<th>360 plus</th>
<th>375 plus</th>
<th>390 plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>
Feeding system 300 plus series

- Gathering drums rotating at low speeds ensure uniform crop to the chopping unit in a lengthwise flow direction
- **Excellent even cutting**
Special scrapers 300 \textit{plus} series

- No sharp stubble
- Saves tyres
- Accelerate stubble decay
- Corn borer can hardly survive in a rotten stubble
Bolt on wear plates 300 plus series

Extra protection of the main frame
Optional 345 plus & 360 plus
Standard for 375 plus & 390 plus
Integrated into the attachment frame
Floating 4,5° oscillation
Standard on the 375 plus and 390 plus
Optional for 345 plus & 360 plus
Optional for 360 plus mechanical floating frame for attachment on comfort support wheel 300F
- Springs automatically block in transport position
- Side wings folded up → chain tensioned → floating frame blocks
Advanced Header Control (AHC)

Active control with sensors
Accurate guidance of the header height and its lateral position
  • Header height – lifting of the header with the SPFH
  • Lateral position – with cylinder
Equal harvesting also higher stubbles within the in sensor range
  • Minimises soil contamination
  • Lower wear costs (Minimum soil contact)
Advanced Header Control

Available for all SPFH with AHC, Code–Nr. 2415 of the SPFH
AHC optional for 360 plus, 375 plus & 390 plus
(Central sensor and cylinder on the header - 7000 series, integrated in the SPFH - 8000 series)
New design of AHC sensor

- Optimized guidance of the header height
- Less wear
- Upgrade bundle is available for the harvest 2017
- Only for 375 Plus and 390 Plus
Optional - Steering sensor

New Kemper sensor for RowTrak & AutoTrac/RowSense
- New sensor in the middle pointer
- Black sensor measures on two sides (green) the distance (red)
- Special wiring harness for attachment to new SPFH from MY 2011 on
  - SPFH software will compensate for suddenly missing signal on one side
  - Sensor for SPFH 7000 series build from MY 2011 on
  - Sensor for SPFH 8000 series
Advantages automatic steering

- Higher operating speeds day and night, increasing your performance
- Full attention to the header and spout functions for increased productivity
- Reduction of fatigue and risk of forage waste
- Special advantage of the new Kemper sensor
  - If one row is missing the SPFH will still drive straight on as the software will compensate for the suddenly missing signal on one side
  - No moving potentiometers means less wear
Comfort support wheel

Optional 360\textsuperscript{plus} & 375\textsuperscript{plus}

Required on public roads for the 390\textsuperscript{plus}

Perfect and legal transport solution

- Transportwidth 360\textsuperscript{plus} & 375\textsuperscript{plus} - 3,0 m
- Transportwidth 390\textsuperscript{plus} - 3,3 m

Optional: ‘Safety equipment Bavaria package’
with additional warning signs and reflective strip
Comfort support wheel

No descending, no uncomfortable mounting of transport guards

- fully automatic folding of the two side covers
- fully automatic coupling of the electronic connection
- integrated and protected lights
- No need to leave the cabin
Comfort support wheel

More time for harvesting instead of mounting the safety guards:
- significant reduction of wasted time when changing fields

Driving safely from field to field because of:
- completely integrated safety guards and lights
- ‘Forgetting’ or losing the safety guards is no longer possible

Excellent driving comfort and optimal handling through:
- Long wheel base between the front axle of the SPFH and the support wheel
- 360 degrees rotating follow up controlled wheel
Comfort support wheel

Perfect field use

- Wheel is parked while chopping, no extra ballast on the header in difficult field conditions
- Easy access to the chopping unit
Comfort support wheel
Optional – Fixed crop lifters

Specially for extreme down crop

- 345 plus = (12 pieces)
- 360 plus = (16 pieces)
- 375 plus = (20 pieces)
- 390 plus = (24 Pieces)
- Bundle LCA79050
  (4 crop lifters + Bolts, washers and nuts)

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<td>345 plus</td>
</tr>
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300 plus – The ‘multi crop header’

Besides maize this header cuts all thin stemmed crops!

Major advantage compared to specialized WCS headers

- No extra investment
- Larger working width (up to 9.0m!)
- Higher productivity (long set up time eliminated)
  - Foldable within 3.3m Transport width
- Better chopping quality
  - Lengthwise feeding no auger
- Stones and sand not aspired into the SPFH

One header for ALL crops!
Active feeding towards the feedrolls of the SPFH

300 series
Active feeding towards the feed rolls of the SPFH

Low angled feeding drums (red)
- Active feeding on the bottom of the crop flow
- More space for large amounts of crop (fits for cutter heads up to 1 m)
Active feeding towards the feedrolls of the SPFH

Extensions on top of the cross feed drums (red)

- More space for the plants to go around the corner
Active feeding towards the feedrolls of the SPFH

Height angled feeding drums depending on the working width

- Higher angled drums for the headers 345 plus and 360 plus
- Three teeth rows
  - Active feeding of the crop package
- Lower angled drums for the wide headers 375 plus and 390 plus
- Two teeth rows
  - Throughput designed for large crop quantities
Optimized cross feed drum covers

Closed cross feed drum covers
- Completely closed covers, no need for setting
- Reduced blocking potential
  - Even better cross feeding of difficult crops
390 plus – The ‘multi crop header’

Potential blocking points eliminated

- Scrapers attachments outside the crop flow (green)
- Divider pointer attachment outside the crop flow (red)
All cleaners are bolted (red)

Better performance under difficult circumstances
- Easy to change
- Easy to adjust

Maintenance friendly
- Bolting easier than welding
Redesigned outer crop divider and outer drum

Special low outer crop divider (red) supports down crop

- Outer drum with extra triangular tower for perfect down crop handling (green)
- Better view during transport
Redesigned outer crop divider and outer drum

Special low outer crop divider supports down crop
Height adjustable pointers for better down crop handling (bundle)

Pointer extensions for extreme down crop
- available for the season 2017
  - Improved capability for picking up down crop
  - Lifts up the down crop
  - Better following of the ground contours
Round tube cob savers

- Smoother guidance of the plants into the machine
- Higher support (red arrow), lifts up the plants and the cobs stay away from the drum teeth
New central ‘table’ extension

- Standard for 375 plus and 390 plus
- Better crop guidance when feeding small crop, single rows, etc.
New optional guiding tube for bush bar

Extra guide tube helpful for:
- Narrow row spacing
- Small plants

Prevents material accumulation

Better guidance into the cross feed channel
300 plus benefits for you

Base for perfect chop quality because of:
- Lengthwise feeding towards the chopping unit, perfect bundeling

Low axle load, better view on the road during transport because of:
- Short and compact build machine

Reliable cutting also under most difficult field conditions because of:
- Fast turning cutting rotors

Low maintenance, low wear and minimal daily service time because of:
- No chains, so chain wear
- Connections of gear boxes without PTO shafts
- Minimum number of grease nipples
- Scrapers can be used both ways and are simply adjustable

Longevity and high stable value