The mobile chipper model 806.3 STC is a wood chipper to be used off road or at roadside for the production of fuel chips from forest residues. The chipper has a capacity to process full-length trees and logs up to a diameter of 50 cm (Max. 40 cm for hardwood) as well as brushwood.

The 806.3 STC, our most successful mobile chipper concept, consists of a highly efficient chipper with its own engine, and chip bin. The chipping unit sits on a frame to be installed on an off-road vehicle such as a forwarder with crane.

To ensure the most efficient chipping operation the chipping unit is electronically controlled by our new IMC, Intelligent Mobile Chipping, control system.

The 806.3 STC enables cost-efficient production of high-quality fuel chips from forest residue with just one operator and one machine.

The simple and robust design combined with our customized configuration will give you the machine for your demands and ensure a smooth operation to a low cost!

Read more
transport height, the chip bin is equipped with hydraulically foldable side panels. There is a rubber containment curtain at the rear, that is elevated by the side panels. There are also notches for parking the crane into, or through the bin.

Dimensions: volume 21 - 25 m³, outer width 2.8 - 2.95 m.

High Lifting Dumping Yokes

High lifting and side dumping dumping yokes with 80 cm lifting height gives a displacement of the chip bin laterally to facilitate dumping into another vehicle or container. When tipping onto the ground it facilitates dumping the chips away from the machine. The dumping yokes are equipped with pre-routed lubrication points.

Diesel-engine Scania DC13 313A

A powerful stage V engine with low fuel consumption. The engine is certified according to EU Stage V. Complete installation includes side mounted *side by side* radiator, transmission, starter batteries, fuel tank 350 L, AdBlue tank and exhaust system.

Power 368 kW, 500 hp- 2500 Nm

Hydraulic System

The hydraulic system is a load sensing type and is powered by a variable displacement pump. The infeed, lifting and dumping of the chip bin is controlled by proportional valves to enable exact operation. The chip accelerator is powered by a hydrostatic pump which enables the accelerator to run at a constant speed regardless of the engine rpm. The cooler fans are hydraulically powered with the possibility to reverse for cleaning the cooler. There is an electrical pump be used when operating hydraulic functions with the engine switched off, for example when changing knives during maintenance.

Electrical and control system IMC

Our new control system built on a well-proven platform of hardware and our software IMC - Intelligent Mobile Chipping gives a complete electrical control and monitoring system for the chipper unit. The chipper and engine functions are operated from the cabin from where the operator can monitor all the engine parameters as well as the hydraulic system.

There are also monitoring equipment and automatics for chipper safety functions such as anvil holders position and electronic infeed load control.

The controls for operating the chippers will be mounted besides the crane levers and the large touchscreen will be placed in a good sight angle for the operator. The color screen can also be connected to external cameras. The screen can be described as the communication port from the operator to the chipper functions, monitoring and settings.

The new easy remote connection via a GSM mobile phone gives the possibility to easy online troubleshooting from Bruks support.

TECH SPECIFICATION:
Product data sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Transport height (A) [mm]</td>
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<tr>
<td>Length (B) [mm]</td>
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<tr>
<td>Transport width(C) [mm]</td>
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<td>Width infeed table (D) [mm]</td>
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<td>Width infeed (E) [mm]</td>
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<td>Weigth complete unit approx [ton]</td>
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<td>Diameter chipper drum [mm]</td>
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<td>Infeed opening W x H [mm]</td>
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<td>Adjustable chip length [mm]</td>
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<td>Max diameter, softwood [mm]</td>
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<td>Max diameter, hardwood [mm]</td>
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<tr>
<td>Capacity [m³/h]</td>
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<tr>
<td>Power Scania industry engine,DC13 313A</td>
<td>500 hp - 2500 Nm</td>
</tr>
</tbody>
</table>

Files:
Product Data Sheet 806.3 STC 2022 (185.34 KB)

ACCESSORIES:
Optional Accessories:
- Drum with two half lengths knife for round log chipping
- Combination drum, full or half lengths knife
- Drum with 4-knives for "Micro Chips"
- Chip screens in different sizes
- Infeed table with different numbers of rollers and different table sides
• Chip Tubes in different sizes
• Chip deflectors, basic or dual
• Chip bin in different sizes, 21 and 25 m³
• Extra high lifting Dumping Yokes
• Hydraulic oil, different brands and quality
• Painting in customer unique color

Accessories

• Installation kit for a number of different carriers
• Automatic Fire Extinguishing System
• Foot Pedal
• Reversing Camera System
• Filling equipment for fuel and hydraulic oil
• Engine Preheater, Webasto
• Knife Box
• LED work lights
• Weighing equipment for the chips in bin
• Radio Remote Control
• Remote dialing modem for easy troubleshooting
• Kits with knives, filters and wear parts

RELATED PRODUCT ARTICLES:

• 806.2 Chipper
• Mobile Chipper 806.2 PT Trailer
• Mobile Chipper 806.3 ST
• Mobile Chipper 806.2 PT Truck
• Mobile Chipper 806.2 PTC Truck
• 1006 Chipper
• Mobile Chipper 1006.2 ST
• Mobile Chipper 1006 PT Truck