BRUKS Siwertell
BULK HANDLING & WOOD PROCESSING

MOBILE CHIPPER 806.3 STC

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The 806.3 STC mobile chipper model is equally adapted to working off-road and at the roadside, producing fuel wood chips from forest residues. It has the capacity to process full-length trees and logs up to a diameter of 50cm for softwood and up to a maximum diameter of 40cm for hardwood, as well as brushwood.

The 806.3 STC, is one of our most popular mobile chipper units. It consists of a highly efficient chipper with its own engine and chip bin. The chipping unit is mounted on a frame, which is installed on an off-road vehicle such as a forwarder with a crane.

To ensure the most efficient chipping operation the chipping unit is electronically controlled by our latest intelligent mobile chipping (IMC) control system.

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

It simple, robust design, combined with our customized configurations, provides users with a flexible chipper that can meet a variety of demands, delivering smooth operations at minimal costs.

Read more

PRODUCT INFORMATION:

Drum Chipper

The 806.3 STC chipper uses a robust drum chipper with a powerful infeed and closed drum for best chip quality; chip output is via a chip accelerator and chip tube. This combination provides the most energy-efficient chipping process and a consistently high chip quality. [altered text]

Mounting Frame

The chipper unit stands on a mounting frame with integrated brackets for the chipper and engine installation. Spring-loaded brackets for the carrier vehicle chassis allow for a degree of independent movement by the chipping unit and carrier frame. A fold-down service platform is available for knife exchange and maintenance, and a roofed cage with hatches protects the diesel engine.

Chip Bin

FACTS

TAGS:

- OFF ROAD

SUMMARY:

The best chip quality, reliability, performance, and overall chipping economy

PRODUCT AREA:

- CHIPPING

PRODUCT:

- CHIPPING

PLEASE CONTACT US FOR MORE INFORMATION

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And view the Page online, where you will have access to more information

To enable full-volume chip production during operation, but meet any height restrictions for transport, the chip bin is equipped with hydraulically foldable side panels. Sturdy, fine mesh nets are fitted between these panels, helping to contain any loose chips. There are also notches for parking the crane into, or through the bin. The chip bin has a capacity of 21 to 25m3, with an outer width ranging from 2.8 to 2.95m.

High-lifting dumping yokes

High-lifting and side-dumping yokes, with an 80cm lifting height, enable the chip bin to move laterally so that wood chips can be discharged into another vehicle or container. When tipping onto the ground, it facilitates discharging the chips away from the machine. The dumping yokes are equipped with pre-routed lubrication points.

Diesel-engine Scania DC13 313A

The 806.3 STC mobile chipper features a powerful Scania DC13 313A EU Stage V certified engine with low fuel consumption. It has a power output of 368 kW (500hp/2500 Nm). The complete installation includes a side-mounted radiator, transmission, starter batteries, a 350-liter fuel tank, AdBlue tank and exhaust system.

Hydraulic system

This chipper has a load-sensing-type hydraulic system and is powered by a variable displacement pump. The chip accelerator is powered by a hydrostatic pump, which enables the accelerator to run at a constant speed regardless of the engine's revolutions. The cooler fans are hydraulically powered and can be reversed for cleaning the cooler. A standby electrical pump can be used when operating the hydraulic functions when the engine is switched off, for example, when changing the knives during maintenance.

Electrical and control system (IMC)

Our advanced control system is built on a well-proven platform of hardware and our own in-house software, intelligent mobile chipping (IMC). Together, these provide a complete electrical control and monitoring system for the chipper unit. The chipper and engine functions are operated from the cabin where the operator can monitor all the engine's parameters as well as the hydraulic system.

There is also monitoring equipment and automatic controls for chipper safety functions, such as the anvil holder's position and electronic infeed load control.

Chipper controls are mounted besides the crane levers and the large touchscreen is positioned at an ideal viewing angle for the operator. The color screen can also be connected to external cameras. It is designed to be an intuitive communication link between the operator and monitoring and setting the chipper functions.

The chipper also features a remote connection via a GSM mobile phone to deliver easy online troubleshooting from Bruks Siwertell's support centre.

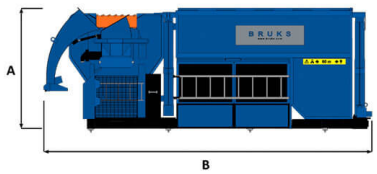
TECH SPECIFICATION:

Product data sheet

Type	Value
Transport height (A) [mm]	2590
Length (B) [mm]	6400-6600
Transport width(C) [mm]	2800-2950
Width infeed table (D) [mm]	2100
Width infeed (E) [mm]	850
Weight complete unit approximately [metric ton]	14
Diameter chipper drum[mm]	800
Infeed opening W x H [mm]	850 x 720
Adjustable chip length [mm]	10-45
Max diameter, softwood[mm]	500
Max diameter, hardwood[mm]	400
Capacity [m^3/h]	100-200
Power Scania industry engine,DC13 313A	368kW (500hp), 2500 Nm

Files:

Product Data Sheet 806.3 STC 2022 (185.34 KB)



ACCESSORIES:

Optional Accessories:

Alternative Equipment

- Combination drum, full or half-length knives
- Drum with four-knives for micro-chips
- Chip screens available in various sizes
- Infeed table with a range of roller numbers and different table sides
- Chip tubes available in various sizes

- Chip deflectors, basic or dual
- Chip bin available in different sizes; 21 to 25m3
- Extra high lifting dumping yokes
- Hydraulic oil available in different brands and qualities
- Customized paintwork

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
- 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
- Mobile Chipper 1006.3 RT