MOBILE CHIPPER 1006.2 ST

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The 1006.2 ST model wood chipper can be used within a terminal or at the roadside for the high-capacity production of fuel chips from energy wood and forest residues. The chipper has the ability to process full-length trees and logs up to a diameter of 60cm for softwood and up to a maximum diameter of 50cm for hardwood, as well as brushwood.

PRODUCT INFORMATION:

Base machine

The chipping unit consists of a 1006 drum chipper, complete with its own diesel engine and electrical and hydraulic systems, with everything built on a robust mounting frame. It is principally dimensioned for processing energy wood, brushwood and parts of trees, and should be installed on a carrier vehicle with corresponding payload capacity and dimensions. These particular units are typically installed on forwarders, trucks or other suitable carriers.

Drum chipper

The drum chipper is driven by a 585kW (796hp) diesel engine, ensuring the high-torque properties needed for very high capacity chip production.

The 1006 chipper is designed for heavy-duty conditions. It is a chipper with a powerful infeed and closed drum for best chip quality, with chip output via a chip accelerator and chip tube. This combination provides the most energy-efficient chipping process and a consistently high chip quality.

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. The frame can be equipped with a slewing ring that provides a rotatable unit, which can be operated from either side. A fold-down service platform is also available for knife exchange and maintenance, and a roofed cage with hatches protects the diesel engine.

Diesel-engine Volvo TWD 1683VE

The latest 1006.2 ST units are fitted with Volvo's state-of-the-art TWD 1683VE diesel engines, which meet the European Union (EU) Stage V regulations. The engine offers a power output of 585kW (796hp) and a torque rated at a

FACTS

TAGS:

- ON ROAD
- TERMINAL
- OFF ROAD

SUMMARY:

Model 1006.2 ST is a wood chipper to be used on terminals or roadside for the production of fuel chips from energy wood and forest residues.

PRODUCT AREA:

- CHIPPING

PRODUCT:

- CHIPPING

PLEASE CONTACT US FOR MORE INFORMATION

Sales Sweden / Norway / Denmark - Mobile Chippers

Daniel Larsson-Snygg
+46 70 670 17 65
daniel.larsson-snygg@bruks-siwertell.com

Sales Support - Mobile Chippers

Jonas Delin
+46 72 522 98 75
jonas.delin@bruks-siwertell.com

Export Sales - Mobile Chippers

Peter Håkansson
+46 70 821 08 20
peter.hakansson@bruks-siwertell.com

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maximum of 3,650Nm, delivering more power and torque in the speed range used during chipping. Especially favorable for chipping, is the high, straight torque curve down to lower engine speeds where, at 1,000 rpm, the torque is at just over 3,500Nm. These precise power and torque curves are also extremely helpful when it comes to attaining an even lower fuel consumption during chipping.

The complete installation includes a side-by-side mounted radiator, reversible fan, starter batteries, double centrifugal cleaner, a 1000-liter fuel tank, and exhaust system. Power transmission is via a pump distribution box, cardan shaft and belt transmission.

Hydraulic system

1006.2 ST chippers feature an advanced hydraulic system. Their 120-liter stainless-steel hydraulic oil tanks have a patented CycloneConcept insert. This vents the return oil and allows the necessary volumes of hydraulic oil to be vastly reduced, along with the size of the stainless-steel tank. The overall result minimizes environmental impact and operating costs.

The hydraulic system is a load-sensing type and it powered using a variable pump. Proportional valves enable the exact operation and control of the infeed. A hydrostatic pump enables the chip accelerator to run at a constant speed regardless of engine's revolutions. As an option, the machine can be equipped with a hydraulic pump for a crane.

The hydraulic cooler is located in front of the engine cooler system, with a 24V electric-drive hydraulic pump used as a service pump to operate the hydraulic functions when the engine is switched off, for example, changing the knives during maintenance.

Electrical system

The chipper features a complete control system with monitoring and safety features, including hydraulic oil levels, temperature and filter controls. Electronically monitored infeed load control provides the most effective high-capacity chipping. Everything is controlled via a central Windows-based computer located in the driver's cabin.

The system has a color touchscreen with instruments and control devices for all hydraulic functions. A set of push buttons for operating the chipper functions are located near the crane control levers.

TECH SPECIFICATION:

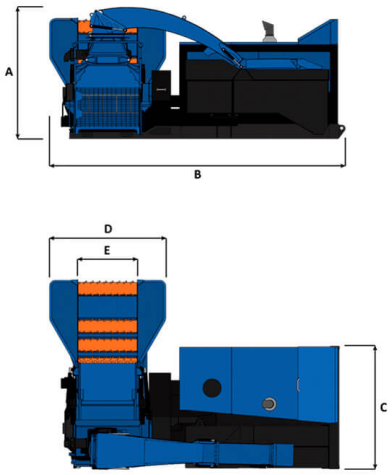
Product data sheet

Type	Value
Transport height (A) [mm]	2700
Length (B) [mm]	6000
Transport width (C) [mm]	2500
Width infeed table (D) [mm]	2350
Width infeed (E) [mm]	1200
Weight complete unit approximately [metric ton]	17
Diameter chipper drum [mm]	1000
Infeed opening W x H [mm]	1200 x 750
Adjustable chip length [mm]	10-45

Max diameter, softwood [mm]	600
Max diameter, hardwood [mm]	500
Capacity [m^3/h]	200-350
Power Volvo Penta engine TWD 1683VE	585kW/796hp, 3650Nm

Files:

Product Data Sheet 1006.2 ST 2021 EN (311.59 KB)



ACCESSORIES:

Optional Accessories:

Alternative Equipment

- Knife settings and configurations for different conditions
- 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
- Customized paintwork

Accessories

- LED work lights
- Kits with knives and wear parts

RELATED PRODUCT ARTICLES:

- 806.2 Chipper
- Mobile Chipper 806.2 PT Trailer
- Mobile Chipper 806.3 ST
- Mobile Chipper 806.3 STC
- Mobile Chipper 806.2 PT Truck
- Mobile Chipper 806.2 PTC Truck
- 1006 Chipper
- Mobile Chipper 1006 PT Truck
- Mobile Chipper 1006.3 RT