

Salesgram

September 2003

T-121C Brushcutter for Cat® IT14G Integrated Toolcarriers



Caterpillar is pleased to announce the availability of the T-121C Brushcutter for use with the Cat IT14G Integrated Toolcarrier. The T-121C, manufactured by Little and Company, is a versatile work tool for roadside clearing and maintenance.

Little and Company is located in Albany, OR and is recognized by Caterpillar as an approved manufacturer of the T-121C Brushcutter for use with the IT14G Integrated Toolcarrier. The addition of the T-121C Brushcutter further enhances Caterpillar's work tool offerings for specific application requirements.

For Dealer Sales Personnel



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T-121C Brushcutter



The Little and Company T-121C Brushcutter is typically used by state and local governments, highway maintenance operations, and utility, irrigation and water districts for roadside clearing and maintenance applications.

The T-121C boom and cutter head housing is constructed of high quality steel to withstand the most abusive cutting conditions. With 140 degrees of boom swing, the brushcutter easily reaches up and over obstacles such as guardrails, signs and waterways to cut trees and brush up to 6 in (152 mm) in diameter or other vegetation up to 3 ft (0.9 m) tall in one pass. With a long reach of 18 ft (5.5 m), the IT14G can safely operate on the roadbed while reaching far into a ditch or high overhead.

The T-121C is available in three boom lengths – 19, 20 and 22 ft (5.8, 6.1 and 6.7 m), and two cutter head widths – 48 and 60 in (1219 and 1524 mm).

Features



Versatility

After initial installation, the brushcutter can be removed in approximately two hours, allowing the operator the versatility to use buckets, forks or other work tools for year round operation.

Performance & Design

- Utilizes IT14G hydraulics to provide efficient brushcutter performance and control.
- Cuts trees up to 6 in (152.4 mm) in diameter and brush or other vegetation up to 3 ft (0.914 m) tall in one pass.
- Flail cutter head produces less flying debris than typical rotary mowers with the added benefit of mulching cut material, eliminating the need for a clean-up crew.
- Durable boom and cutting head made of T-1 steel provide a robust design for extra long life.

Ease of Operation

- Productivity is maximized when coupled to the Cat Integrated Toolcarrier. The IT14G's **Engine Speed Control**, **hydrostatic transmission** and **Creep Control** combine to create a system with exceptional controllability, resulting in increased operator comfort and productivity.
 - **Engine Speed Control (ESC)** allows operator to set the engine rpm at a constant rate, providing full hydraulic flow to the brushcutter and eliminating the need to constantly engage the foot throttle. The operator can partially apply the brake to reduce ground speed without disconnecting the ESC. ESC disconnects when the brake pedal is fully engaged.
 - The **hydrostatic transmission** provides infinitely variable ground speed and allows for excellent inching capability and smooth operation.
 - **Creep Control** allows operator to vary ground speed at set engine rpm using a hand-operated control lever. This feature, combined with Engine Speed Control, allows the operator to focus on mowing production and steering instead of speed control.
- The weight of the machine provides increased stability over agriculture-tractor systems. ROPS certification is maintained with the brushcutter installed, further improving operator confidence when compared to conventional systems.
- A multifunction electronic joystick provides full control of the brushcutter with one hand.
- The front-mounted design and high cab mounting provides superior visibility to the brushcutter compared to competitive units with rear or side mounted systems. This allows the operator to place the brushcutter head slightly in front of the cab, reducing the need to continuously look behind the machine during operation. Increased visibility greatly improves accuracy, operator comfort and productivity, which have been identified as critical issues among current operators of conventional systems.

Specifications

T-121C	English	Metric
Boom Reach Out* (20 ft /6.1 m Boom) – ft (m)	20	6.1
Boom Reach Up – ft (m)**	18	5.5
Boom Reach Diagonally Down – ft (m)	17.4	5.3
Boom Reach Down – ft (m)***	4.3	1.7
Flail Head Width - in (mm)	48, 60	1219, 1524
Boom Articulation – degrees	140	
Cutting Head Rotation – degrees	165	
Flail Cutter Speed – rpm	2000	
Machine Weight w/Brushcutter – lb (kg)	21,311	9665
Brushcutter Weight**** – lb (kg)	4500	2041
Wheel Weight – lb (kg)	680	308
Flail Head Weight (48 in/1219 mm) – lb (kg)	760	345
Flail Head Weight (60 in/1524 mm) – lb (kg)	850	385

*Available in 19, 20 and 22 ft. boom lengths, measured from centerline to furthest cut.

**With boom and stick cylinders fully collapsed, measured from ground level.

***With stick vertical, measured from ground level.

****Includes boom, stick, counterweight, mounting bracket and 48 in. cutting head.

- Boom constructed from T-1 Steel with internal and external reinforcements. Cutting head also constructed from T-1S Steel. (Minimum yield and tensile strengths of 100,000 psi and 130,000 psi.)
- Boom pins same strength, material and hardness as loader pins.
- Breakaway Swing Relief – adjustable setting designed to allow boom to swing free when it unexpectedly comes into contact with obstructions. Helps prevent damage to the boom, frame, loader arms and brushcutter.
- Built-in stand for use when brushcutter is removed from machine.
- Lift-arm restraints secure loader arms in fixed position for safe and stable operation.
- Boom hydraulic cylinders are mounted on top of booms for protection from guardrails, traffic barriers, and other possible obstructions.
- Cutting head accepts four types of cutting devices for use with different vegetation.

Ordering Information

Please refer to the SWL price list for IT14G ordering information. Currently, MA #24 is the recommended host machine configuration for the Little and Co. T-121C Brushcutter. This system-matched MA includes creeper control and engine speed control, requires the 12-volt accessory option and is recommended for use with your choice of 17.5 x 25 tires.

The following items must be ordered direct from Little and Company. Contact information is listed below.

- Brushcutter – Model T-121C: 19, 20 or 22 ft. (5.8, 6.1 or 6.7 m) boom
- Brushcutter head
- Wheel weights
- Brushcutter frame counterweights

The brushcutter installation kit is required. It is to be ordered on a Miscellaneous Machine Shipping Order (MSO) from Clayton, NC, arrangement number 212-5949. Refer to SWL price pages for further information and shipping details.

Installation Information

Caterpillar provides installation instructions discussing initial and subsequent installations. Initial installation is done at the dealership and typically takes two days to complete. Removal and subsequent installations take approximately two hours each by the customer.

The T-121C Brushcutter is available for installation on Cat IT14G machines after serial number 1WN01462. Machines with serial number 1WN01462 to 1WN01938 REQUIRES a new Lube Plate Group for 11,000 Kg ROPS/FOPS certification.

Little and Company
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Contact and Shipping Information

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