

## 845E/L845E FELLER BUNCHER

### THE 845E

An efficient and agile, high performance mid-sized feller buncher with limited tail-swing and outstanding service access.



### THE L845E

Equipped with Tigercat's leveling system, the L845E is an agile and efficient mid-sized leveling feller buncher with limited tail-swing and outstanding service access.



## THE EFFICIENT AND AGILE, MID-SIZED 845E FELLER BUNCHER.

Powerful and extremely fuel efficient, the E-series 845 is a high performance feller buncher best suited to small diameter plantation timber and mixed natural stands. The 845E series enhancements include a redesigned cab with improved comfort, convenience and ergonomics.

## POWER AND ACCESS

### EFFICIENT HIGH CAPACITY COOLING SYSTEM

Automatic variable fan speed for improved fuel efficiency and automatic reversing cycle to clean the heat exchangers.

### CLAMSHELL STYLE RETRACTING ROOF ENCLOSURE AND NEAT, COMPARTMENTALIZED COMPONENT ARRANGEMENT.

Large swing-out doors for clear access to both sides of the engine and all daily service points. Hydraulic components are compartmentalized, separating the engine from the hydraulic pumps and valves.

**Tigercat**  
by **FPT**  
POWERTECH TECHNOLOGIES

### TIGERCAT FPT ENGINE TECHNOLOGY

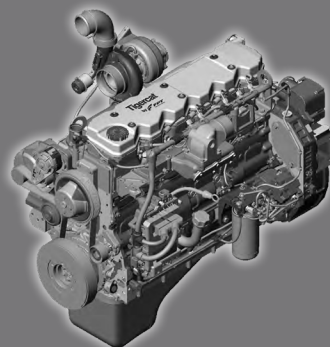
Tigercat FPT Tier 2 and Tier 4f engines offer quick load response, low operating costs and high power density, combined with excellent fuel economy.

The second-generation common rail fuel injection system provides top performance in the most demanding applications.

Tigercat FPT Tier 4f emission technology is simple and reliable. The Tier 4f configuration meets emission standards without complex add-on components. The key is the patented selective catalyst reduction (SCR) after-treatment system.

Tigercat FPT engines offer improved reliability and lower long-term maintenance costs – the clear power choice for forestry and off-road industrial applications.

**TIGERCATPOWER.**  
**TIGERCATSUPPORT.**







### **REDESIGNED OPERATOR'S STATION**

- Clear view of the tracks with full-length front window
- Narrow side posts for improved visibility to each side
- Optimally positioned controls and large touch screen display
- Reduced noise levels
- Auxiliary input port, Bluetooth® audio, hands free calling and Sirius ready (North America only)
- Redesigned hinge geometry for easy close front door
- skyVIEW and rearVIEW camera equipped



### **EXTREME DUTY LEVELING SYSTEM**

Field proven, millions of hours of operation. Long frames and wide stance for excellent stability. Thick steel plate, massive cylinders and tapered roller bearings. Unique patented geometry improves machine stability on sloping terrain.



## EFFICIENCY AND VERSATILITY

Equipped with ER and Tigercat FPT power, the 845E series feller bunchers are highly efficient and productive. The 845E series is also versatile. Equipped with a Tigercat bunching saw or shear, the 845E is a force in small diameter, high-cycle plantations. In mature timber, the 845E can be matched to the 5400 or 5702 felling saw.

### FOR FELLING SMALL DIAMETER TIMBER



**2000  
BUNCHING SHEAR**



**5000  
BUNCHING SAW**



**5400  
FELLING SAW**



**5702  
FELLING SAW**

## HIGH SPEED, HIGH PERFORMANCE, HIGH EFFICIENCY

Tigercat's patented ER<sup>®</sup> technology allows the machine operator to extend and retract the boom on a horizontal plane smoothly and quickly using a single joystick. But the benefit goes beyond reducing operator fatigue.

Key to ER technology is reduced energy consumption. The ER system transfers energy back and forth between the main and the stick boom functions, reducing the total energy required to move the boom system. This reduces demands for power, pump flow and system cooling. The result is increased productivity and reduced fuel consumption per unit of production.

**ER**  
technology

**ENERGY RECOVERY  
EASY REACH**

ER improves efficiency and productivity, especially in high-cycle plantation felling applications.



## 845E

## L845E

## DIMENSIONS WITH STANDARD TRACK SHOE

WIDTH	3 380 mm (133 in)	3 430 mm (135 in)
LENGTH less boom	4 900 mm (193 in)	4 900 mm (193 in)
HEIGHT less skylight	3 360 mm (132 in)	3 730 mm (147 in)
GROUND CLEARANCE	710 mm (28 in)	685 mm (27 in)
WEIGHT less attachment	26 760 kg (59,000 lb)	34 925 kg (77,000 lb)
TAIL SWING RADIUS	2 665 mm (105 in)	2 665 mm (105 in)

## DIMENSIONS WITH OPTIONAL NARROW UNDERCARRIAGE

WIDTH	3 000 mm (118 in)	3 000 mm (118 in)
WEIGHT less attachment	26 535 kg (58,500 lb)	36 060 kg (79,500 lb)

## POWER

ENGINE Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f
► RATED	212 kW (284 hp) @ 2,200 rpm	212 kW (284 hp) @ 2,200 rpm
► PEAK	212 kW (284 hp) @ 2,200 rpm	212 kW (284 hp) @ 2,200 rpm
ENGINE Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2
► RATED	205 kW (275 hp) @ 2,100 rpm	205 kW (275 hp) @ 2,100 rpm
► PEAK	212 kW (284 hp) @ 2,000 rpm	212 kW (284 hp) @ 2,000 rpm
AIR FILTRATION	Precleaner and 2-stage engine air cleaner	Precleaner and 2-stage engine air cleaner
COOLING	Aluminum side by side radiator, oil cooler and charge air cooler Removable intake debris screen	Aluminum side by side radiator, oil cooler and charge air cooler Removable intake debris screen
FAN	Hydraulically driven, automatic variable speed, reversible	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY	800 L (210 US gal)	800 L (210 US gal)
DEF CAPACITY	80 L (21 US gal)	80 L (21 US gal)

## TOP SPEED

LOW RANGE	1,9 km/h (1.2 mph)	1,8 km/h (1.1 mph)
HIGH RANGE	4,2 km/h (2.6 mph)	4,2 km/h (2.6 mph)

## HYDRAULIC SYSTEM

PUMP, MAIN	Piston	Piston
PUMP, SAW*	Piston	Piston
PUMP, CLAMP ARMS	Piston	Piston
PUMP, COOLING FAN	Piston	Piston
RESERVOIR	190 L (50 US gal)	190 L (50 US gal)
FILTRATION	(5) Spin-on, 7 micron full flow; (1) Water absorbing	(5) Spin-on, 7 micron full flow; (1) Water absorbing
CYLINDER, HOIST	140 mm (5.5 in) bore	140 mm (5.5 in) bore
CYLINDERS, STICK/ER	(2) 110 mm (4.3 in) bore	(2) 110 mm (4.3 in) bore
CYLINDER, TILT	130 mm (5.2 in) bore	130 mm (5.2 in) bore
CYLINDERS, LEVELING	N/A	(2) 180 mm (7 in) bore
HORSE POWER CONTROL	Electronic speed sensing; All-speed antistall	Electronic speed sensing; All-speed antistall

## UNDERCARRIAGE

TRACK FRAMES	R6-152-5 heavy-duty forestry Integral track guides/ramp angles	R7-163L super-duty forestry Integral track guides/ramp angles
TRACK CHAIN	F8/D6D 203 mm (8 in) pitch sealed and greased	FH400 215 mm (8.5 in) pitch
FINAL DRIVE	(2) Piston motors with brakes valves; Infinitely variable speed	(2) Piston motors with brake valves; Infinitely variable speed
TRACTIVE EFFORT	280 kN (62,300 lbf)	367 kN (82,600 lbf)
GEARBOX	Triple reduction planetary type with brake	Triple reduction planetary type with brake
FRONT IDLER	Hydraulic track adjuster; Spring shock absorber	Hydraulic track adjuster; Spring shock absorber
SLIDES, UPPER	Replaceable, bolt-on; Optional rollers	Replaceable, bolt-on
ROLLERS, LOWER	(9) D6 single/double flange tractor type	(10) FH400 single/double flange excavator type
TRACK SHOE	610 mm (24 in) single/double grouser	610 mm (24 in) single grouser
► Optional	710 mm (28 in) single grouser tri-track 760 mm (30 in) double grouser tri-track 915 mm (36 in) triple grouser tri-track	710 mm (28 in) single grouser
LEVELING	N/A	20° forward; 6° rear; +/-17° side

## BRAKES

TRACK	Friction disc; Automatic spring applied, hydraulic release	Friction disc; Automatic spring applied, hydraulic release
SWING	Friction disc; Manual spring applied, hydraulic release	Friction disc; Manual spring applied, hydraulic release

\* For disc saw felling attachments only.



## 845E

## L845E

### ROTATING UPPER

SWING DRIVE	7 rpm variable speed; 360° continuous rotation; Double reduction, swing drive planetary gearbox with brake; Piston swing motor	
SWING BEARING	1 190 mm (47 in) ball circle diameter	
ENCLOSURE	Hydraulically operated, retracting roof; Hinged access doors for engine and pump stack; Rear air intake for cooling system and engine	

### ER BOOM SYSTEM

MAXIMUM CUT RADIUS	8 534 mm (336 in)	8 534 mm (336 in)
MINIMUM CUT RADIUS	3 606 mm (142 in)	3 606 mm (142 in)
BARE PIN LIFT full reach	5 760 kg (12,700 lb)	5 760 kg (12,700 lb)

### ELECTRICAL

BATTERY	(2) 12 v	(2) 12 v
ALTERNATOR	110 amp, 24 v	110 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v
LIGHTING	(14) LED; (4) LED service lights, engine enclosure	(14) LED; (4) LED service lights, engine enclosure
► Optional	High output LED lighting package	High output LED lighting package

### OPERATOR'S STATION

CAB	Insulated, pressurized and isolation mounted; A/C, heater, defroster; skyVIEW and rearVIEW camera system; Full length polycarbonate windshield/entry door Polycarbonate right and left side windows; One-piece polycarbonate side door window with steel guarded upper sliding section for ventilation; AM/FM digital stereo and auxiliary input port; Bluetooth® audio and hands-free calling; (2) Power points	
CONTROLS	Hydraulic proportional for boom/travel/swing/head tilt with electronic speed control limiter (for tracks); Electronic for clamp/accumulating arms/wrist; Electric switch for swing brake; Electronic control system with colour LCD display screen for machine monitoring and function adjustment	
SEAT	Full suspension air ride, fully adjustable with angled mounting, heated and cooled; Armrest mounted Tigercat joysticks	

### OTHER STANDARD EQUIPMENT

Power-link; Fuel suction strainer; Alarm for track movement	Power-link; Fuel suction strainer; Alarm for track movement
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### OPTIONAL EQUIPMENT

High rotation wrists: 110°, 340°; Cold weather kit Ground level fueling system; Various counterweights R7-150-2 undercarriage; RemoteLog™ telematics system	High rotation wrists: 110°, 340°; Cold weather kit Ground level fueling system RemoteLog™ telematics system
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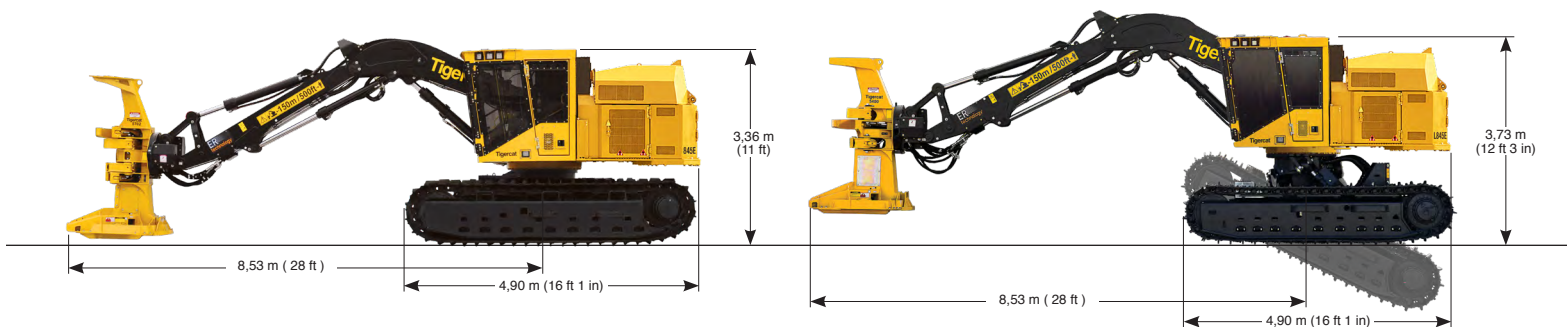
### FELLING HEAD

Flexible hydraulic system to accept various felling heads	Flexible hydraulic system to accept various felling heads
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ALL ENGINE POWER VALUES ARE QUOTED AT NET POWER, AS PER SAE J1349.  
TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE.  
WEIGHTS AND DIMENSIONS MAY VARY SUBJECT TO MACHINE OPTIONS AND CONFIGURATIONS.  
FOR THE MOST CURRENT SPECIFICATIONS PLEASE REFER TO THE TIGERCAT WEBSITE OR MOBILE APP.

## 845E FELLER BUNCHER

## L845E FELLER BUNCHER



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