855E/L855E FELLER BUNCHER

THE 855E

Well matched to a wide variety of large volume applications from high-cycle plantations to large diameter timber stands.

THE L855E

Equipped with Tigercat's leveling system, the L855E is an excellent choice for steep slopes and big timber.

THE TIGERCAT 855E IS A HIGH PERFORMANCE, FUEL EFFICIENT FELLER BUNCHER.

The Tigercat FPT powered 855E series feller bunchers are extremely efficient and well suited to disc saw and shear felling heads as well as the Tigercat 5185 fixed felling saw.

Tigercat®
Tough • Reliable • Productive

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.

EFFICIENT HIGH CAPACITY COOLING SYSTEM

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

Tigercat by FPT POWERTRAIN 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.

TIGERCAT**POWER.**
TIGERCAT**SUPPORT.**™

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.

TWIN SWING DRIVES

Powerful swing torque and reduced pinion loads for extended swing system life.

EFFICIENCY AND VERSATILITY

Equipped with ER and Tigercat FPT power, the 855E series feller bunchers are highly efficient and productive. The 855E series is also versatile. Equipped with a Tigercat bunching saw or shear, the 855E is a force in small diameter, high-cycle plantations. In mature timber, the 855E can be matched to the 5702 felling saw. In oversize timber and steep slope applications, the 5185 fixed felling saw handles large diameter wood and can do double duty – shovelling timber to better ground.

FOR FELLING SMALL DIAMETER TIMBER

5000
BUNCHING SAW

2000
BUNCHING SHEAR

FOR FELLING LARGE DIAMETER TIMBER

5702
BUNCHING SAW

5185
FIXED FELLING SAW

HIGH SPEED, HIGH PERFORMANCE, HIGH EFFICIENCY

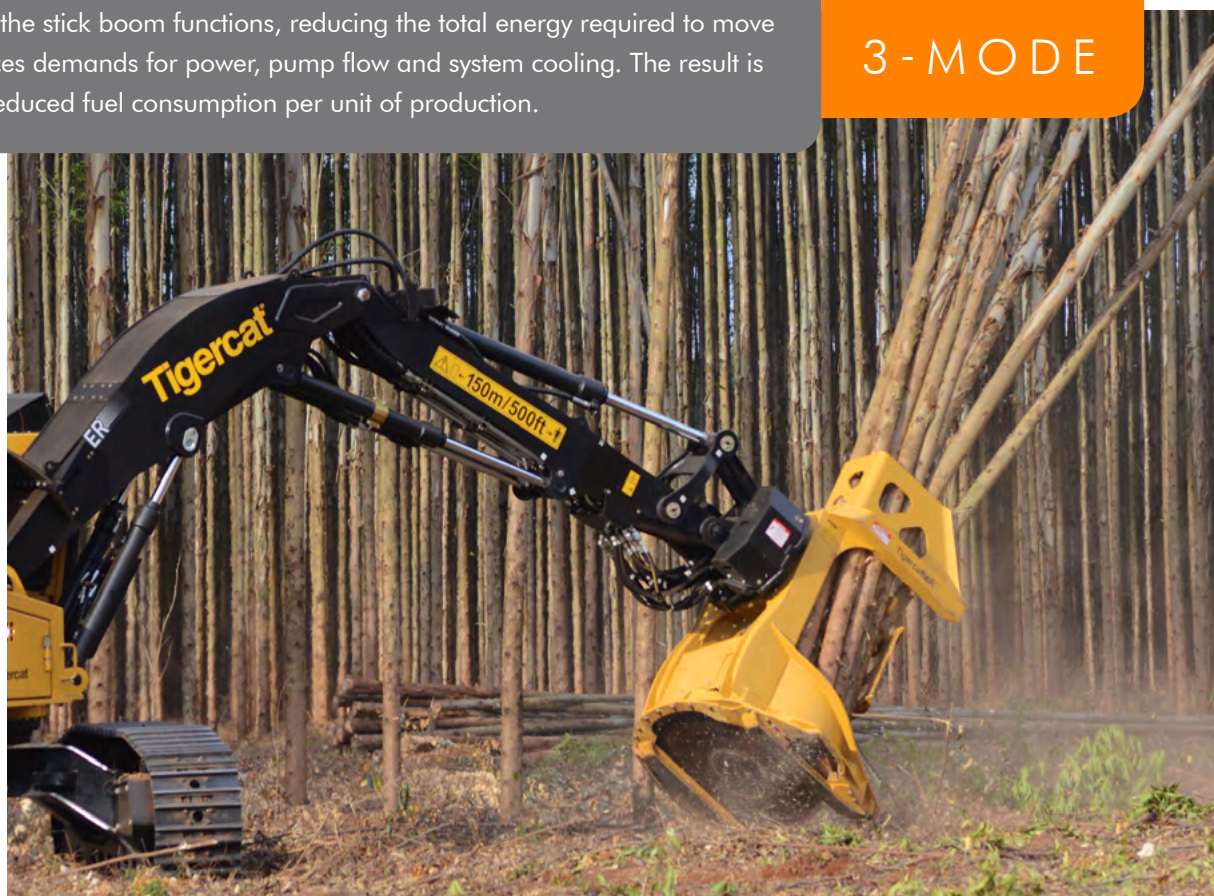
Tigercat's patented ER® technology allows the machine operator to extend and retract the boom on a horizontal plane smoothly and quickly using a single joystick. But the benefit goes beyond reducing operator fatigue.

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

3-MODE



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

SPECIFICATIONS

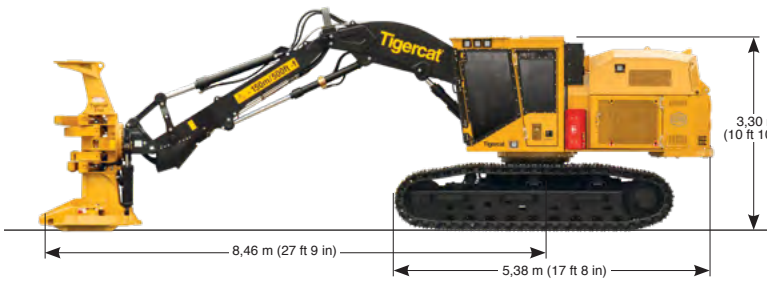
Tigercat®

	855E	L855E
DIMENSIONS WITH STANDARD TRACK SHOE		
WIDTH	3 380 mm (133 in)	3 430 mm (135 in)
LENGTH less boom	5 380 mm (212 in)	5 280 mm (208 in)
HEIGHT less skylight	3 290 mm (130 in)	3 710 mm (146 in)
GROUND CLEARANCE	710 mm (28 in)	710 mm (28 in)
WEIGHT less attachment	30 845 kg (68,000 lb)	38 780 kg (85,500 lb)
TAIL SWING over side	1 385 mm (54 in)	1 360 mm (54 in)
POWER		
ENGINE Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f
▸ RATED	210 kW (282 hp) @ 2,200 rpm	210 kW (282 hp) @ 2,200 rpm
▸ PEAK	210 kW (282 hp) @ 2,200 rpm	210 kW (282 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	210 kW (282 hp) @ 2,000 rpm	210 kW (282 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 (211 US gal)	800 L (211 US gal)
DEF CAPACITY	80 L (21 US gal)	80 L (21 US gal)
HYDRAULIC SYSTEM		
PUMP, MAIN	Piston	Piston
PUMP, SAW*	Piston	Piston
PUMP, CLAMP ARMS	Piston	Piston
PUMP, COOLING FAN	Piston	Piston
RESERVOIR	225 L (60 US gal)	225 L (60 US gal)
FILTRATION	(5) Spin-on, 7 micron full flow; (1) Water absorbing	(5) Spin-on, 7 micron full flow; (1) Water absorbing
CYLINDERS, HOIST	(2) 120 mm (4.7 in) bore	(2) 120 mm (4.7 in) bore
CYLINDERS, STICK/ER	(2) 110 mm (4.7 in) bore	(2) 110 mm (4.7 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 heavy-duty forestry Integral track guides/ramp angles	R7-163L super-duty forestry leveling Integral track guides/ramp angles
TRACK CHAIN	F8 203 mm (8 in) pitch sealed and greased	FH400 215 mm (8.5 in) pitch sealed and greased
FINAL DRIVE	(2) Piston motors with brake valves; Infinitely variable speed	(2) Piston motors with brake valves; Infinitely variable speed
TRACTIVE EFFORT	277 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
ROLLERS, UPPER	(2) D6D excavator type	N/A
SLIDES, UPPER	Optional, bolt-on	Bolt-on
ROLLERS, LOWER	(9) D6 single/double flange tractor type	(10) FH400 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
MAXIMUM CUT RADIUS	8 460 mm (333 in)	8 460 mm (333 in)
MINIMUM CUT RADIUS	4 800 mm (189 in)	4 800 mm (189 in)
BARE PIN LIFT full reach	8 440 kg (18,600 lb)	8 440 kg (18,600 lb)
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

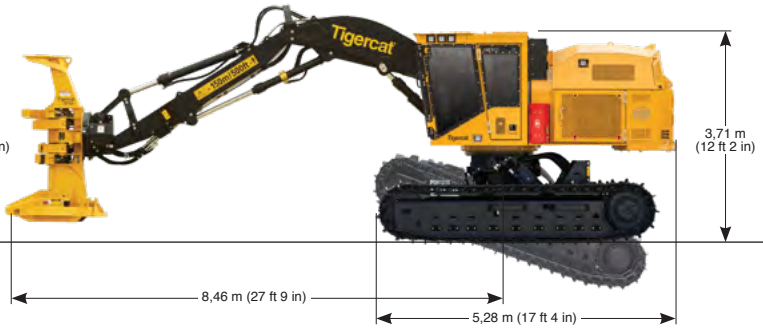
* For disc saw felling attachments only.

	855E	L855E
ROTATING UPPER		
SWING DRIVE	8 rpm variable speed; 360° continuous rotation; Double reduction, twin swing drive planetary gearboxes; Twin piston swing motors	
SWING BEARING	1 190 mm (47 in) ball circle diameter	
ENCLOSURE	Perforated plate on doors for ventilation; Hydraulic operated engine enclosure with manual back-up; Vandal protection; Smooth exterior Rear air intake for cooling	
ELECTRICAL		
BATTERY	(2) AGM, 12 v	(2) AGM, 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
OPERATOR'S STATION		
CAB	Insulated, pressurized and isolation mounted A/C, heater, defroster; skyVIEW and rearVIEW camera systems 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; LogOn™ telematics system	
CONTROLS	Hydraulic proportional for boom/travel/swing with electronic travel speed control limiter; Electronic for leveling; Electric switch for swing brake and 3-mode ER control; Electronic control system with colour LCD display screen for machine monitoring and function adjustment	
SEAT	Full suspension air ride, fully adjustable, angled mounting; Armrest mounted Tigercat joysticks	
OTHER STANDARD EQUIPMENT		
	Fuel suction strainer; Alarm for track movement	Fuel suction strainer; Alarm for track movement
OPTIONAL EQUIPMENT		
	Counterweight kit; Cold weather kit; Bolt-on tool box R6-152 undercarriage; Electric hydraulic oil fill pump RemoteLog™ telematics system	Cold weather kit; Bolt-on tool box; Electric hydraulic oil fill pump RemoteLog™ telematics system
FELLING HEAD		
	Flexible hydraulic system to accept various felling heads	Flexible hydraulic system to accept various felling heads

855E FELLER BUNCHER



L855E FELLER BUNCHER



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.

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