

# 822E FELLER BUNCHER

## TIGERCAT 822E FELLER BUNCHER

Designed for challenging thinning and final felling. Powerful lift capacity, tight-tuck ER boom geometry and compact tail-swing minimize site impact in selective felling applications.



## BENEFITS AND ADVANTAGES:

### Powerful, efficient Tigercat FPT engine

- Non-certified, Tier 4f and Stage V options available

### Efficient high-capacity cooling system

- Automatic variable fan speed for improved fuel efficiency
- Automatic reversing cycle to easily clean the heat exchangers
- Cooling air is drawn from the rear, away from saw discharge

### Debris management

- Improved roof access for clearing debris
- Boom slider reduces debris build-up

### Efficient, responsive ER® boom system

- Improves fuel efficiency and increases productivity, while reducing operator fatigue

### Ultimate access to components and daily service

- Power operated clamshell style engine enclosure
- Side platform for daily service access
- Easy access to all sides of the engine

### Excellent operator visibility

- Clear view of the tracks with full-length front window
- Narrow side posts for excellent visibility to each side
- skyVIEW camera equipped

### Quiet, climate-controlled cab

- Durable, spacious, heated and cooled air ride seat
- Optimally positioned controls and large touchscreen display
- Auxiliary input port, Bluetooth® audio, hands free calling
- Additional storage locations

## 822E

### DIMENSIONS with standard track shoe

WIDTH	3 388 mm (133 in)
LENGTH less boom	4 930 mm (194 in)
HEIGHT	3 330 mm (131 in)
GROUND CLEARANCE	760 mm (30 in)
WEIGHT less attachment	28 350 kg (62,500 lb)
TAIL SWING RADIUS	2 095 mm (82.5 in)

### POWER

ENGINE, Stage V	Tigercat FPT N67 210 kW (282 hp) @ 2,100 rpm
ENGINE, Tier 4f	Tigercat FPT N67 210 kW (282 hp) @ 2,100 rpm
ENGINE, Non-certified	Tigercat FPT N67 210 kW (282 hp) @ 2,100 rpm
AIR FILTRATION	Precleaner and 2-stage engine air cleaner

COOLING	Aluminum side-by-side radiator, oil cooler, charge air cooler; Removable intake debris screen
FAN	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY	585 L (155 US gal)
DEF CAPACITY	80 L (21 US gal)

### HYDRAULIC SYSTEM

PUMP, MAIN	Piston
PUMP, SAW	Piston
PUMP, CLAMP/ACCUM. ARMS	Piston
PUMP, COOLING FAN	Piston
RESERVOIR	204 L (54 US gal)
FILTRATION	(5) Spin-on, 7 micron full flow; (1) Water absorbing
CYLINDERS, HOIST	140 mm (5.5 in) bore
CYLINDERS, STICK/ER	(2) 110 mm (4.3 in) bore
CYLINDER, TILT	130 mm (5.2 in) bore
HORSE POWER CONTROL	Electronic speed sensing; All-speed antistall

### UNDERCARRIAGE

TRACK FRAMES	R6-152-5 heavy-duty forestry Integral track guides/ramp angles
TRACK CHAIN	F8/D6D 203 mm (8 in) pitch sealed and greased
FINAL DRIVE	(2) Axial piston motors; Infinitely variable speed
TRACTIVE EFFORT	280 kN (63,000 lbf)
GEARBOX	Triple reduction planetary type with brake
FRONT IDLER	Hydraulic track adjuster; Spring shock absorber
SLIDES, UPPER	Replaceable, bolt-on; Optional rollers
ROLLERS, LOWER	(9) D6 single/double flange tractor type
TRACK SHOE	610 mm (24 in) single/double 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

### TOP SPEED

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

### BRAKES

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

### 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	Hydraulic operated engine enclosure; Rear air intake for cooling system and engine; Vandal protection Smooth exterior

### ER® BOOM SYSTEM

MAXIMUM CUT RADIUS	8 430 mm (332 in)
MINIMUM CUT RADIUS	3 500 mm (138 in)
BARE PIN LIFT full reach	5 760 kg (12,700 lb)

### ELECTRICAL

BATTERY	(2) 12 v
ALTERNATOR	110 amp, 24 v
SYSTEM VOLTAGE	24 v
LIGHTING	(14) LED; (4) LED service lights, engine enclosure

### OPERATOR'S STATION

CAB	Insulated, pressurized and isolation mounted; A/C, heater, defroster; skyVIEW 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; Built-in tray, door pocket, and mesh pocket for storage
CONTROLS	Hydraulic proportional for boom/travel/swing/rotate with electronic speed control limiter (for tracks) Electronic for clamp/accumulating arms/wrist Electric switch for swing brake; Electronic control system with colour LCD touchscreen for machine monitoring and function adjustment
SEAT	Full suspension, air ride, heated and cooled Fully adjustable height, seatback recline, lumbar support and armrest mounted Tigercat joysticks

### OTHER STANDARD EQUIPMENT

	LogOn™ local wifi machine monitoring system Fuel suction strainer; Alarm for track movement
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### OPTIONAL EQUIPMENT

	RemoteLog® telematics system; High rotation wrists: 110°, 340°; R7-150-2 undercarriage; Closed loop track drive system; High output LED lighting; Bottom level fueling; Cold weather kit; CB radio; SiriusXM® radio; Window blinds; Enhanced skyVIEW camera system with 255 mm (10 in) screen rearVIEW camera system
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ALL ENGINE POWER VALUES ARE QUOTED AT NET POWER, AS PER SAE J1349.

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WEIGHTS AND DIMENSIONS MAY VARY SUBJECT TO MACHINE OPTIONS AND CONFIGURATIONS.

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