

# LX830E FELLER BUNCHER



## TIGERCAT LX830E FELLER BUNCHER

Tigercat's near zero tail-swing machine is a powerhouse in a compact package. The LX830E is well equipped to handle variety of felling applications on steep slopes. High horsepower, responsive functions and excellent stability deliver the confidence to tackle tough terrain.

## BENEFITS AND ADVANTAGES:

Powerful, efficient Tigercat FPT engine

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

Closed loop track drive system

- Superior responsiveness and control on steep slopes

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 and rearVIEW camera equipped

Quiet, climate-controlled cab

- Durable, spacious, heated and cooled air ride seat
- Optimally positioned controls and large touchscreen display
- Bluetooth® audio and hands-free calling

Tigercat built extreme duty undercarriage

- Long track frames with wide stance for excellent stability
- Auto leveling automatically levels the cab at a touch of a button

## LX830E

### DIMENSIONS WITH STANDARD TRACK SHOE

WIDTH with steps	3 430 mm (135 in)
LENGTH less boom	5 182 mm (204 in)
HEIGHT less skylight	3 710 mm (146 in)
GROUND CLEARANCE	685 mm (27 in)
WEIGHT less attachment	34 475 kg (76,000 lb)
TAIL SWING RADIUS	2 095 mm (83 in)

### POWER

ENGINE Tier 4f	Tigercat FPT C87 Tier 4f
▶ RATED	245 kW (330 hp) @ 1,950 rpm
AIR FILTRATION	Precleaner, 2-stage engine air cleaner
COOLING	Aluminum side-by-side radiator, oil cooler, charge air cooler; Removable intake debris screen
FAN	Hydraulic driven automatic variable speed, reversible
FUEL CAPACITY usable	585 L (155 US gal)
DEF CAPACITY Tier 4f	80 L (21 US gal)
TOP SPEED low range	1,8 km/h (1.1 mph)
TOP SPEED high range	4,2 km/h (2.6 mph)

### HYDRAULIC SYSTEM

PUMP, TRACK	(2) Piston, closed circuit
PUMP, BOOM/SWING	Piston
PUMP, SAW	Piston
PUMP, CLAMP/ACCUM./WRIST	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 (4.5 in) bore
CYLINDER, TILT	130 mm (5.2 in) bore
CYLINDERS, LEVELING	(2) 180 mm (7 in) bore
HORSE POWER CONTROL	Electronic speed sensing; All-speed antistall

### UNDERCARRIAGE

TRACK FRAMES	R7-163L super-duty leveling Integral track guides, ramp angles
TRACK CHAIN	FH400 215 mm (8.5 in) pitch
FINAL DRIVE	(2) Axial piston motors; Infinitely variable speed
TRACTIVE EFFORT	343 kN (77,100 lbf)
GEARBOX	Triple reduction planetary with brake
FRONT IDLER	Hydraulic track adjuster; Spring shock absorber
SLIDES, UPPER	Replaceable, bolt-on
ROLLERS, LOWER	(10) FH400 single and double flange excavator type
TRACK SHOE	610 mm (24 in) single grouser ▶ Optional 710 mm (28 in) single grouser 710 mm (28 in) double grouser 610 mm (24 in) single extended grouser 710 mm (28 in) single extended grouser
LEVELING	26° forward; 7° rear; +/-22° side

### 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	Perforated plate on doors for ventilation Hydraulic operated engine enclosure Rear air intake for cooling system and engine Vandal protection; Smooth exterior

### ER BOOM SYSTEM WITH 30° WRIST, 5702 SAW

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 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; Bluetooth® audio and hands-free calling; (2) Power points
OPERATOR CONTROLS	Hydraulic proportional for boom/travel/swing with electronic track speed control limiter; Electronic for clamp/accumulating arms/wrist; Electric switch for swing brake; Electronic control system with LCD colour touchscreen for machine monitoring and function adjustment
SEAT	Full suspension air ride, fully adjustable with angled mounting Armrest mounted Tigercat joysticks

### OTHER STANDARD EQUIPMENT

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

	High rotation wrists 110°, 340°; High output LED lighting; Cold weather kit; Bolt-on toolbox; RemoteLog® telematics system; Vacuum pump Cable assist mount; CB radio; Window blinds; SiriusXM® radio
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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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