

# Tigercat®

## L870C/LX870C FELLER BUNCHER



***The L870C/LX870C feller bunchers are designed for demanding steep slope, large timber applications.***

### **BENEFITS AND ADVANTAGES:**

- **Powerful Cummins QSL9 224 kW (300 hp) Tier III engine**
- **Open or closed loop track drive system**
- **Efficient high-capacity cooling system**
  - Automatic variable fan speed for improved fuel efficiency
  - Automatic reversing cycle to easily clean the heat exchangers
- **Excellent service access**
  - Retracting clamshell style engine enclosure and easy access to the engine, valves, pumps and coolers
- **Tigercat-built super-duty leveling undercarriage**
  - Long track frames and wide stance carbody for excellent stability
  - Leveling system is built with large pins and cylinders, tapered roller bearings and thick steel plate
- **Highly durable design and construction**
  - One piece 32 mm (1.25 in) thick turntable
  - Large diameter, heavy duty swing bearing
- **Quiet, climate controlled operator's station**
  - High output heater/air conditioner with multiple vents
  - Extreme duty air-ride suspension seat



*Long track frames and wide stance carbody for excellent stability on slopes*



*Super-duty leveling system with large pins and cylinders and thick steel plate*



*Easy access to the components through hydraulically retracting hood enclosure*

# SPECIFICATIONS

# L870C

# LX870C

**DIMENSIONS** with 610 mm (24 in) single grouser shoes

WIDTH with steps.....	3 400 mm (134 in).....	3 400 mm (134 in)
LENGTH less boom .....	5 280 mm (208 in).....	5 280 mm (208 in)
HEIGHT less skylight .....	3 710 mm (146 in).....	3 710 mm (146 in)
GROUND CLEARANCE .....	710 mm (28 in).....	710 mm (28 in)
WEIGHT less head/boom adapter ..	35 600 kg (78,490 lb).....	36 970 kg (81,500 lb)
TAIL SWING over side.....	1 420 mm (56 in).....	1 420 mm (56 in)

**POWER**

ENGINE.....	Cummins QSL9, 224 kW (300 hp) Tier III @ 1800 rpm; Precleaner and 2-stage engine air cleaner
COOLING.....	Side by side radiator, oil cooler and charge air cooler; Removable intake debris screen
FAN .....	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY usable .....	970 L (257 US gal)

**HYDRAULIC SYSTEM**

PUMP, MAIN.....	Load sensing piston .....	N/A
PUMP, TRACK .....	N/A.....	(2) Closed circuit piston
PUMP, BOOM/SWING .....	N/A.....	Load sensing piston
PUMP, SAW.....	Load sensing piston .....	Piston
PUMP, SAW.....	N/A.....	Load sensing piston
PUMP, WRIST/SAW ARMS.....	Load sensing piston .....	N/A
PUMP, COOLING FAN .....	Gear.....	Gear
RESERVOIR .....	190 L (50 US gal).....	190 L (50 US gal)
FILTRATION .....	7 micron full flow return, spin-on.....	7 micron full flow return, spin-on
CYLINDERS, HOIST.....	(2) 120 mm (4.7 in) bore.....	(2) 120 mm (4.7 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 .....	(2) 180 mm (7 in) bore.....	(2) 180 mm (7 in) bore
HORSE POWER CONTROL.....	Electronic speed sensing type; Antistall @ 1,700.....	Electronic speed sensing type; Antistall @ 1,700

**UNDERCARRIAGE**

TRACK FRAMES .....	R7150L super-duty leveling; Integral track guides, ramp angles .....	R7150L super-duty leveling; Integral track guides, ramp angles
	Bolt-on full-length rock guards	Bolt-on full-length rock guards
TRACK CHAIN .....	FH400 215 mm (8.5 in) pitch .....	FH400 215 mm (8.5 in) pitch
FINAL DRIVE .....	(2) axial piston motors; Infinitely variable speed .....	(2) axial piston motors; Infinitely variable speed
TRACTIVE EFFORT .....	367 kN (82,600 lbf) .....	343 kN (77,100 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.....	Replaceable, bolt-on
ROLLERS, LOWER.....	(9) FH400 excavator type.....	(9) FH400 excavator type
TRACK SHOE.....	610 mm (24 in) single grouser .....	610 mm (24 in) single grouser
Optional .....	710 mm (28 in) single grouser .....	710 mm (28 in) single grouser
TILT .....	20° forward; 7° rear; +/-15° side.....	20° forward; 7° rear; +/-15° side



*Separate, easily accessed pumpstack*



*Excellent view of tracks tips*



*Access to all sides of the engine*



*High capacity variable speed cooling*



*Rear air intake away from saw debris*



*Tidy engine house layout*

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### TOP SPEED

LOW RANGE .....	1,4 km/h (0.9 mph) .....	1,8 km/h (1.1 mph)
HIGH RANGE .....	3,3 km/h (2.4 mph) .....	4,2 km/h (2.6 mph)

### BRAKES

TRACK .....	Friction disc type; Automatic spring applied, hydraulic release .....	Friction disc type; Automatic spring applied, hydraulic release
SWING .....	Friction disc type; Manual spring applied, hydraulic release .....	Friction disc type; 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 with 30° wrist, 5702 saw

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 .....	8 435 kg (18,600 lb) .....	8 435 kg (18,600 lb)

### OPERATOR'S STATION

CAB .....	Insulated, pressurized and isolation mounted A/C, heater, defroster with side-mount controls; Skylight or flat hatch Full length polycarbonate windshield/entry door; Polycarbonate right-side and rear windows; Tempered glass side door window with screen High visibility machine monitoring system with warning horns; AM/FM digital stereo with CD player; (2) power points
CONTROLS .....	Hydraulic proportional boom/travel/swing; IQAN electronic proportional for leveling Electric switch for accumulating and clamp arms/swing brake/speed range
SEAT .....	Full suspension air ride, fully adjustable with angled mounting; Armrest mounted Tigercat joysticks

### ELECTRICAL

BATTERY .....	(4) 12 v .....	(4) 12 v
ALTERNATOR .....	110 amp, 24 v .....	110 amp, 24 v
SYSTEM VOLTAGE .....	24 v .....	24 v
LIGHTING .....	(8) Halogen; (4) Service lights, engine enclosure .....	(8) Halogen; (4) Service lights, engine enclosure
Optional .....	(7) HID; (2) Halogen; (6) Service lights, engine enclosure .....	(7) HID; (2) Halogen; (6) Service lights, engine enclosure

### 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

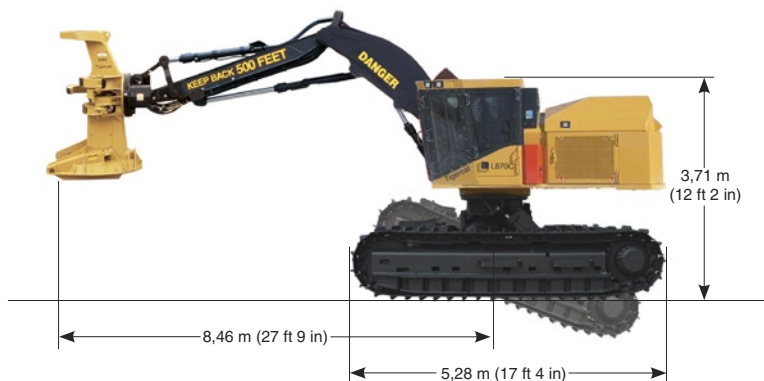
Cold weather kit; Bolt-on toolbox; High rotation wrists: 110°, 340° .....	Cold weather kit; Bolt-on toolbox; High rotation wrists: 110°, 340°
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### FELLING HEAD

Flexible hydraulic system to accept various felling heads .....	Flexible hydraulic system to accept various felling heads
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TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

## L870C/LX870C FELLER BUNCHER



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