

Tigercat®

822C/LX822C FELLER BUNCHERS



The 822C/LX822C series zero tail-swing feller bunchers are designed for challenging thinning and final fell applications.

BENEFITS AND ADVANTAGES:

- **Powerful Cummins QSL9 300 hp Tier III engine**
- **Efficient high-capacity cooling system**
 - Automatic variable fan speed for improved fuel efficiency
 - Automatic reversing cycle to easily clean the heat exchangers
- **Zero tail-swing for excellent maneuverability**
- **Tigercat-built forest duty undercarriage options**
 - Long track frames for excellent stability
 - Leveling system is built with large pins and cylinders, tapered roller bearings and thick steel plate
- **Fuel efficient, easy to operate ER boom system**
- **Excellent service access**
 - Tilt-out engine enclosure forms a spacious work platform
- **Highly durable design and construction**
 - One piece 32 mm (1.25 in) thick turntable
 - Large diameter, heavy duty swing bearing
- **Quiet, spacious, climate controlled operator's station**
 - Industry-leading visibility and ergonomics
 - Extreme duty air-ride suspension seat



LX model with closed loop track drives for high performance on slopes



Super-duty leveling system



Easy access to the engine through the hydraulically retracting hood enclosure

DIMENSIONS with standard track shoe

WIDTH with steps.....	3 435mm (135 in)	3 275 mm (129 in)
LENGTH less boom	4 445 mm (175 in)	4 750 mm (187 in)
HEIGHT less skylight	3 330 mm (131 in)	3 730 mm (147 in)
GROUND CLEARANCE	760 mm (30 in)	760 mm (30 in)
WEIGHT less head	26 080 kg (57,500 lb)	31 330 kg (69,080 lb)
TAIL SWING over side.....	0	0

POWER

ENGINE	Cummins QSL9, 224 kW (300 hp) Tier III @ 1800 rpm	Cummins QSL9, 224 kW (300 hp) Tier III @ 1800 rpm
.....	Precleaner and 2-stage engine air cleaner	Precleaner and 2-stage engine air cleaner
COOLING	Aluminum side by side radiator, oil cooler and	Aluminum side by side radiator, oil cooler and
.....	charge air cooler; Removable intake debris screen	charge air cooler; Removable intake debris screen
FAN.....	Hydraulically driven, automatic variable speed, reversible	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY usable	530 L (140 US gal)	530 L (140 US gal)
Optional	760 L (200 US gal) (counter weight required)	N/A

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	Load sensing piston
PUMP, SAW ARMS	Gear	N/A
PUMP, SAW ARMS/WRIST.....	N/A	Load sensing piston
PUMP, COOLING FAN	Gear	Gear
RESERVOIR.....	165 L (44 US gal)	165 L (44 US gal)
FILTRATION	(6) spin-on, 7 micron full flow	(6) spin-on, 7 micron full flow
CYLINDER, HOIST	130 mm (5.2 in) bore	130 mm (5.2 in) bore
Optional	140 mm (5.5 in) bore	N/A
CYLINDERS, STICK/ER	(2) 110 mm (4.3 in) bore	(2) 110 mm (4.3 in) bore
CYLINDER, TILT	120 mm (4.7 in) bore	120 mm (4.7 in) bore
Optional	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 type; Antistall @ 1,700 rpm	Electronic speed sensing type; Antistall @ 1,700 rpm

UNDERCARRIAGE

TRACK FRAMES	R6140-3 heavy-duty forestry; Integral track guides, ramp angles	R6152L heavy-duty leveling; Integral track guides, ramp angles Removable roller access cover
TRACK CHAIN	F8/D6D 203 mm (8 in) pitch sealed and greased	F8/D6D 203 mm (8 in) pitch sealed and greased
FINAL DRIVE	(2) axial piston motors; Infinitely variable speed	(2) axial piston motors; Infinitely variable speed
TRACTIVE EFFORT	258 kN (58,000 lbf)	293 kN (66,000 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 and double flange tractor type	(9) D6 single and double flange tractor type
TRACK SHOE	710 mm (28 in) single grouser tri-track	710 mm (28 in) single grouser tri-track
Optional	760 mm (30 in) double grouser tri-track	N/A
.....	915 mm (36 in) triple grouser tri-track	
TILT	N/A	26° forward; 6° rear; +/-20° side

TOP SPEED

LOW RANGE.....	1,9 km/h (1.2 mph)	2,2 km/h (1.4 mph)
HIGH RANGE.....	4,2 km/h (2.6 mph)	4,6 km/h (2.9 mph)

BRAKES

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

ROTATING UPPER

SWING DRIVE	7 rpm variable speed; 360° continuous rotation	7 rpm variable speed; 360° continuous rotation
.....	Double reduction, swing drive planetary gearbox with brake; Piston swing motor	Double reduction, swing drive planetary gearbox with brake; Piston swing motor
SWING BEARING.....	1,190 mm (47 in) ball circle diameter	1,190 mm (47 in) ball circle diameter
ENCLOSURE	Perforated plate on doors for ventilation	Perforated plate on doors for ventilation
.....	Hydraulic operated engine enclosure	Hydraulic operated engine enclosure
.....	Rear air intake for cooling system and engine	Rear air intake for cooling system and engine
.....	Vandal protection; Smooth exterior	Vandal protection; Smooth exterior

ER BOOM SYSTEM with 5400 saw; 30° wrist

MAXIMUM CUT RADIUS.....	8 380 mm (330 in)	8 380 mm (330 in)
MINIMUM CUT RADIUS.....	3 250 mm (128 in)	3 250 mm (128 in)
BARE PIN LIFT full reach.....	4 280 kg (9,430 lb)	4 280 kg (9,430 lb)
Optional hoist cylinder.....	5 240 kg (11,550 lb)	N/A

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

CONTROLS.....High visibility machine monitoring system with warning horns; AM/FM digital stereo with CD player; (2) power points
 Hydraulic proportional boom/travel/swing; IQAN electronic proportional for clamp arms/wrist/leveling (LX822C)
 Electric switch for accumulating arms/swing brake/speed range

SEAT.....Full suspension air ride, fully adjustable with angled mounting; Armrest mounted Tigercat joysticks

ELECTRICAL

BATTERY.....	(2) 12 v.....	(2) 12 v
ALTERNATOR.....	110 amp, 24 v.....	110 amp, 24 v
SYSTEM VOLTAGE.....	24 v.....	24 v
LIGHTING.....	(9) Halogen; (3) Service lights, engine enclosure.....	(9) Halogen; (3) Service lights, engine enclosure
Optional.....	(7) HID; (1) Halogen; (3) Service lights, engine enclosure.....	(7) HID; (1) Halogen; (3) Service lights, engine enclosure

OTHER STANDARD EQUIPMENT

Fuel suction strainer; Cold weather kit; Alarm for track movement.....Fuel suction strainer; Cold weather kit; Alarm for track movement
 Bottom level fueling system; Toolbox

OPTIONAL EQUIPMENT

Power-link; Various counter weights; High rotation wrists: 110°, 340°.....Power-link; High rotation wrists: 110°, 340°
 Bolt-on toolbox; R6140-5, R6152, F6155 undercarriages

FELLING HEAD

Flexible hydraulic system to accept various felling heads.....Flexible hydraulic system to accept various felling heads

TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

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