

Tigercat®

H822C/LH822C LH830C HARVESTERS



The H822C/LH822C/LH830C series zero tail-swing harvesters are purpose built for challenging selective cut and final fell harvesting applications.

BENEFITS AND ADVANTAGES:

- **Powerful Cummins QSL9 224 kW (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 and wide stance carbody for excellent stability
 - LH830C leveling system is built with large pins and cylinders, tapered roller bearings and thick steel plate
- **Efficient, easy to operate ER boom system**
 - Two-piece or telescopic options
- **Excellent service access**
 - Tilt-out engine enclosure forms a spacious work platform
- **Highly durable design and construction**
- **Quiet, climate controlled operator's station**
 - High output heater/air conditioner with multiple vents
 - Extreme duty air-ride suspension seat
 - Excellent visibility and clear view of the track tips



Easy pump access; cooling airflow is drawn from the rear, away from saw debris



Super-duty leveling system



Easy access to the engine through the hydraulically retracting hood enclosure

SPECIFICATIONS H822C

LH822C

LH830C

DIMENSIONS (with 24 in. single grouser shoes)

WIDTH with steps	3 435 mm (135 in)	3 400 mm (134 in)	3 400 mm (134 in)
LENGTH less boom	4 445 mm (175 in)	4 750 mm (187 in)	4 750 mm (187 in)
HEIGHT	3 330 mm (131 in)	3 730 mm (147 in)	3 730 mm (147 in)
GROUND CLEARANCE	760 mm (30 in)	760 mm (30 in)	760 mm (30 in)
WEIGHT less head	24 490 kg (54,000 lb)	31 330 kg (69,080 lb)	32 660 kg (72,000 lb)
TAIL SWING over side	0	0	0

POWER

ENGINE	Cummins QSL9 Tier III, 224 kW (300 hp) @ 1,800 rpm Precleaner and 2-stage engine air cleaner	Cummins QSL9 Tier III, 224 kW (300 hp) @ 1,800 rpm Precleaner and 2-stage engine air cleaner	Cummins QSL9 Tier III, 224 kW (300 hp) @ 1,800 rpm Precleaner and 2-stage engine air cleaner
COOLING	Side-by-side radiator, oil cooler and charge air cooler Removable intake debris screen	Side-by-side radiator, oil cooler and charge air cooler Removable intake debris screen	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	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY usable	530 L (140 US gal)	530 L (140 US gal)	530 L (140 US gal)
Optional	760 L (200 US gal) (counterweight required)	N/A	N/A

HYDRAULIC SYSTEM

PUMP, MAIN	Piston	Piston	Piston
PUMP, HARVESTER 1	Piston	Piston	Piston
PUMP, ROTATE	Gear	Gear	Gear
PUMP, COOLING FAN	Gear	Gear	Gear
RESERVOIR	165 L (44 US gal)	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	(6) spin-on, 7 micron full flow
CYLINDER, HOIST	130 mm (5.1 in) bore	130 mm (5.1 in) bore	130 mm (5.1 in) bore
CYLINDERS, STICK/ER	(2) 110 mm (4.3 in) bore	(2) 110 mm (4.3 in) bore	(2) 110 mm (4.3 in) bore
CYLINDER, TELESCOPIC	70 mm (2.75 in) bore	70 mm (2.75 in) bore	70 mm (2.75 in) bore

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	R7150L super-duty forestry leveling Integral track guides, ramp angles Bolt-on full-length rock guards
TRACK CHAIN	F8/D6D 203 mm (8 in) pitch sealed and greased	F8/D6D 203 mm (8 in) pitch sealed and greased	FH400 215 mm (8.5 in) pitch
FINAL DRIVE	(2) axial piston motors Infinitely variable speed	(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)	73,000 lbf (325 kN)
GEARBOX	Triple reduction planetary type with brake	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	Hydraulic track adjuster; Spring shock absorber
SLIDES, UPPER	Replaceable, bolt-on; Optional rollers	Replaceable, bolt-on	Replaceable, bolt-on
ROLLERS, LOWER	(8) D6 single and double flange tractor type	(9) D6 single and double flange tractor type	(9) FH400 excavator type
TRACK SHOE	610 mm (24 in) single grouser Optional: Widths up to 915 mm (36 in)	710 mm (28 in) single grouser tri-track N/A	610 mm (24 in) single grouser 710 mm (28 in) single grouser
TILT	N/A	26° forward; 8° rear; +/-22° side	26° forward; 8° rear; +/-22° side

BRAKES

TRACK	Friction disc type Automatic spring applied, hydraulic release	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	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	7 rpm variable speed; 360° continuous rotation Double reduction, swing drive planetary gearbox with brake; Piston swing motor	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	1 190 mm (47 in) ball circle diameter	1 190 mm (47 in) ball circle diameter
ENCLOSURE	Perforated plate on doors for ventilation Hydraulic operated engine enclosure Vandal protection; Smooth exterior Rear air intake for cooling system and engine	Perforated plate on doors for ventilation Hydraulic operated engine enclosure Vandal protection; Smooth exterior Rear air intake for cooling system and engine	Perforated plate on doors for ventilation Hydraulic operated engine enclosure Vandal protection; Smooth exterior Rear air intake for cooling system and engine

ER BOOM SYSTEM 2-piece for heads up to 6,200 lb (2,800 kg)

MAXIMUM CUT RADIUS	8 915 mm (351 in)	8 915 mm (351 in)	8 915 mm (351 in)
MINIMUM CUT RADIUS	3 480 mm (137 in)	3 480 mm (137 in)	3 480 mm (137 in)
BARE PIN LIFT full reach	4 015 kg (8,850 lb)	4 015 kg (8,850 lb)	4 015 kg (8,850 lb)

ER BOOM SYSTEM telescopic for heads up to 3,500 lb (1,600 kg)

MAXIMUM CUT RADIUS	11 075 mm (436 in)	11 075 mm (436 in)	11 075 mm (436 in)
MINIMUM CUT RADIUS	3 480 mm (137 in)	3 480 mm (137 in)	3 480 mm (137 in)
BARE PIN LIFT full reach	2 765 kg (6,100 lb)	2 765 kg (6,100 lb)	2 765 kg (6,100 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 High visibility machine monitoring system with warning horns; AM/FM digital stereo with CD player; (2) power points
CONTROLS	Hydraulic proportional boom/travel/swing/rotate; IQAN electronic proportional for leveling/telescopic stick Electric switch for head functions/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	(2) 12 v
ALTERNATOR	110 amp, 24 v	110 amp, 24 v	110 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v	24 v
LIGHTING	(9) Halogen; (3) Service, engine enclosure	(9) Halogen; (3) Service, engine enclosure	(9) Halogen; (3) Service lights, engine enclosure
Optional	(7) HID; (1) Halogen; (3) Service, engine enclosure	(7) HID; (1) Halogen; (3) Service, engine enclosure	(7) HID; (1) Halogen; (3) Service, engine enclosure

OTHER STANDARD EQUIPMENT

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

OPTIONAL EQUIPMENT

R6140-5, R6152 undercarriages; Bolt-on toolbox; Various counter weights	Bolt-on toolbox	Bolt-on toolbox
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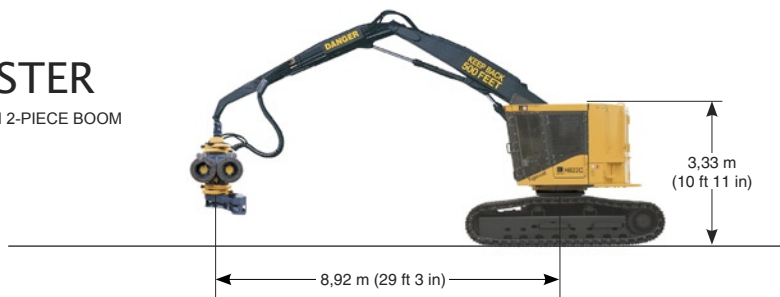
HARVESTING HEAD

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

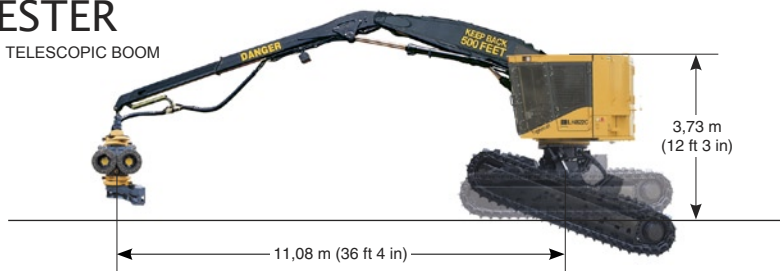
H822C HARVESTER

SHOWN WITH 2-PIECE BOOM



LH822C HARVESTER

SHOWN WITH TELESCOPIC BOOM



LH830C HARVESTER

SHOWN WITH TELESCOPIC BOOM

