The Tigercat 860C and 870C series feller bunchers are field-proven in the most demanding clear fell applications on the planet, leading the industry in efficiency, performance, reliability and longevity.

**BENEFITS AND ADVANTAGES:**

**Powerful, efficient Tier 3 engine**
- Automatic variable fan speed for improved fuel efficiency
- Automatic reversing cycle to clean the heat exchangers
- Rear cooling air intake, well away from saw discharge area

**Efficient high-capacity cooling system**
- Twin swing drive system, powerful swing torque
  - Higher swing torque, lower gear tooth loads
  - Smooth and quiet swing operation
- ER boom technology
  - ER technology increases production, conserves energy
  - Smooth planar boom motion reduces operator fatigue
  - ER control switch provides a boost for extra stick force
  - Structural parts are well proven in high cycle applications
- Excellent service access
  - Power operated clamshell style engine enclosure
  - Easy access to all sides of the engine
  - Excellent access to major components, daily service points

**Tigercat-built forestry undercarriages**
- Long frames and wide stance carbody for excellent stability

**Super-duty leveling system**
- Large pins and roller bearings eliminate wear in pivot joints
- Frames are built with thick steel sections to minimize flex
- Field-proven in over 1,000,000 hours of operation

**Separate compartments for engine and hydraulic components**
- Shields separate engine from hydraulic pumps and valves

**Quiet, climate controlled operator’s station**
- Industry leading cab with front and side doors
- Full length front window for a clear view of the tracks
- High output heater/air conditioner with multiple vents
- Extreme duty air-ride suspension seat

**Durable upper turntable frame construction**
- One piece 32 mm (1.25 in) thick turntable base plate
- Upper assembly will not dent or deform from impacts
### Specifications

**Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>860C</th>
<th>870C</th>
<th>L870C</th>
<th>LX870C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width with steps</td>
<td>3,380 mm (123 in)</td>
<td>3,430 mm (135 in)</td>
<td>3,430 mm (135 in)</td>
<td>3,430 mm (135 in)</td>
</tr>
<tr>
<td>Length less boom</td>
<td>5,540 mm (218 in)</td>
<td>5,740 mm (226 in)</td>
<td>5,280 mm (208 in)</td>
<td>5,280 mm (208 in)</td>
</tr>
<tr>
<td>Height less skylight</td>
<td>3,300 mm (130 in)</td>
<td>3,300 mm (130 in)</td>
<td>3,710 mm (146 in)</td>
<td>3,710 mm (146 in)</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>710 mm (28 in)</td>
<td>710 mm (28 in)</td>
<td>710 mm (28 in)</td>
<td>710 mm (28 in)</td>
</tr>
<tr>
<td>Weight less head/adapter</td>
<td>29,260 kg (64,500 lb)</td>
<td>31,300 kg (69,000 lb)</td>
<td>35,600 kg (78,490 lb)</td>
<td>35,600 kg (78,490 lb)</td>
</tr>
<tr>
<td>Tail swing over side</td>
<td>1,445 mm (57 in)</td>
<td>1,420 mm (56 in)</td>
<td>1,420 mm (56 in)</td>
<td>1,420 mm (56 in)</td>
</tr>
</tbody>
</table>

**Power**

- Engine: Cummins QSL9 Tier 3 224 kW (300 hp) @ 1800 rpm; Pre cleaner, 2-stage engine air cleaner
- Cooling: Side by side radiator, oil cooler, 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: Piston
- Pump, Track: N/A
- Pump, Saw: Piston
- Pump, WRIST/CLAMP: Piston
- Accumulating Arms: Piston
- Pump, Cooling Fan: Piston
- Reservoir: 225 L (60 US gal)
- Filtration: (5) Spin-on, 7 micron full flow
- Cylinders, Hoist: (2) 110 mm (4.3 in) bore
- Cylinders, Stick: (2) 110 mm (4.3 in) bore
- Cylinder, Tilt: 130 mm (5.2 in) bore
- Cylinder, Leveling: N/A
- Hydraulic system: Triple reduction planetary with brake
- Filtering: Piston
- Filtration: (2) Piston, closed loop

**Track System**

- Track Frames: R6-152 heavy-duty forestry
- Track Chain: F8/D6D 203 mm (8 in) pitch
- Track Chain: FH400 215 mm (8.5 in) pitch
- Final Drive: (2) Axial piston motors
- Track Drive: Sealed and greased
- Active Effort: 280 kN (63,000 lbf)
- Gearbox: Triple reduction planetary with brake...
- Front Idler: Hydraulic track adjuster
- Slides, Upper: Replaceable, bolt-on
- Rollers, Lower: (9) FH400 single/double
- Track Shoe: 610 mm (24 in) single grouser
- Track Leveling: N/A
- Leveling: N/A
- Top Speed: 1.9 km/h (1.2 mph)
- Engine: R7-150L-2 super-duty leveling
- Hydraulic system: Triple reduction planetary with brake
- Filtering: Piston

**ER Technology**

The patented ER boom system allows the machine operator to extend and retract the feller buncher boom on a horizontal plane smoothly and quickly using a single joystick. Key to ER technology is reduced energy consumption. The ER system transfers energy back and forth between the main and the stick boom functions, reducing the total energy needed to move the boom system.
Friction disc, automatic spring applied, hydraulic release

Friction disc, manual spring applied, hydraulic release

Hydraulically operated engine enclosure, manual backup; Rear air intake for cooling system and engine; Vandal protection; Smooth exterior

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

Tigercat reserves the right to amend these specifications at any time without notice
Long track frames and wide carbody for stability on slopes

The clamshell style retracting roof enclosure provides clear and easy access to the engine, valves and cooling system components. Hose and wire routing is neat and tidy.

Separate, easily accessed pumpstack

Full length window with view of tracks

Access to all sides of the engine

High capacity variable speed cooling

Rear air intake away from saw debris

Tidy engine house layout

Massive pins and cylinders, thick steel plate and tapered roller bearings

Efficient ER boom technology for quick cycles and reduced operator fatigue

860C
With lightning quick boom cycles, the 860C is best suited to high volume, plantation clear felling.

870C
The stable, heavy-lifting 870C is designed to handle large timber, mixed natural stands and difficult or rocky terrain.

L870C
Equipped with Tigercat’s super-duty leveling undercarriage, the L870C is built for large timber, steep slopes and extreme terrain.

LX870C
Closed loop track drives for even higher performance and efficiency on steep slopes.