Powerful, efficient Tigercat FPT engine

Strong, reliable Tigercat crane
- Hooked profile promotes excellent right-side visibility
- Simple, efficient ER boom technology with no external parallel linkages
- Extreme duty slew system with 360° continuous rotation
- Choice of fixed or telescopic stick

Durable cab and crane leveling system
- Thick steel structures, large diameter cylinders and tapered roller bearings

Spacious, high visibility operator’s cabin
- Large windows for clear and full line-of-sight to the wheels as well as excellent upward visibility
- High quality, climate controlled seat with four point harness

Excellent access to major components and daily service points

Oscillation balancing
- Active oscillation balancing for optimal stability when stationary and while driving
- Operate the crane and remain productive while in motion

WideRange® drive increases working travel speed while delivering powerful tractive effort

Advanced hydraulic system for efficiency and high performance
- Dedicated pumps for the drive, harvesting head, crane, fan and cooling circuit
- Closed loop drive system for excellent performance on steep slopes

Efficient, high capacity cooling system
- Pressure and flow controlled piston fan pump maintains optimal operating temperatures at the lowest fan speed

The Tigercat 1165 is a heavy duty, premium quality harvester designed for thinning, select cut and final fell applications.
# Specifications

## 1165 Harvester

### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length less boom, 6WD</td>
<td>8,220 mm (323 in)</td>
</tr>
<tr>
<td>Width</td>
<td>2,940 mm (116 in)</td>
</tr>
<tr>
<td>Height</td>
<td>4,055 mm (160 in)</td>
</tr>
<tr>
<td>Shipping Height</td>
<td>3,810 (151 in)</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>655 mm (26 in)</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>4,520 mm (178 in)</td>
</tr>
<tr>
<td>Frame Articulation</td>
<td>+/-44°</td>
</tr>
<tr>
<td>Frame Oscillation</td>
<td>+/-18°, proportional balance, lockable</td>
</tr>
<tr>
<td>Min Weight less attachment</td>
<td>22,910 kg (50,500 lb)</td>
</tr>
</tbody>
</table>

### Power

**Engine**
- Tier 4f Tigercat FPT N67 Tier 4f
- 210 kW (282 hp) @ 2,000 rpm
- 1,160 Nm (855 ft-lb) @ 1,500 rpm

**Engine Tier 2**
- Tier 4f Tigercat FPT N67 Tier 2
- 210 kW (282 hp) @ 2,000 rpm
- 1,190 Nm (878 ft-lb) @ 1,800 rpm

**Cooling**
- Side-by-side radiator, oil cooler and charge air cooler

**Fan**
- Hydraulically driven, automatic variable speed with automatic reversing cycle

**Fuel Capacity**
- 454 L (120 US gal)

**Def Capacity**
- Tier 4f: 80 L (21 US gal)

### Power Train

**Transmission**
- WideRange® drive; Variable speed hydrostatic
- (2) piston motors, infinitely variable

**Axle, Front**
- 14 t (15.4 tn) rated bogie

**Axle, Rear**
- Tigercat Q615, outboard planetary, barrel differential, fixed

**Optional**
- 14 t (15.4 tn) rated bogie

**Differential Locks**
- Independent front and rear, friction clutch style

**Top Speed**
- 11.1 km/h (6.9 mph)

### Hydraulic System

**Pump, Drive**
- Piston, closed loop

**Pump, Harvesting Head**
- Piston

**Pump, Crane**
- Piston

**Pump, Fan**
- Piston

**Pump, Charge/Cooling**
- Gear

**Filtration**
- (7) Spin-on

**Reservoir**
- 200 L (53 US gal)

### Brakes

**Service Brake**
- Hydrostatic, enclosed, oil cooled

**Secondary Brake**
- Enclosed, oil cooled

**Park Brake**
- Spring applied, hydraulic release

### Tires

**Standard**
- 600/55-26.5 (front), 700/55-34 (rear)

**Optional**
- 710/45-26.5

### Electrical

**Battery**
- (2) 810 CCA, 12 v

**Alternator**
- 140 amp, 24 v

**System Voltage**
- 24 v

**Lights**
- (25) LED

### Crane

**Standard**
- Tigercat H250ER90; ER, fixed stick

**Maximum Reach**
- Bare pin 9.0 m (30 ft)

**Lift Moment**
- Gross 250 kNm (191,750 lbf-ft)

**Lift Capacity**
- Bare pin 1,860 kg (4,100 lb) @ 9.0 m (30 ft)

**Optional**
- Tigercat H250ER110T; ER, telescopic stick boom

**Maximum Reach**
- Bare pin 11.0 m (36 ft)

**Lift Moment**
- Gross 250 kNm (191,750 lbf-ft)

**Lift Capacity**
- Bare pin 1,300 kg (2,865 lb) @ 11.0 m (36 ft)

**Slew Torque**
- Net 56 kNm (41,300 lbf-ft)

**Rotation**
- 360° continuous

**Leveling**
- 18° forward; 24° rear; +/- 18° side

### Operator Controls

**Cab/Head**
- Mini lever, electric over hydraulic

**Steering**
- Electric joystick

### Operator's Station

**Cab**
- Pressurized, insulated and isolation mounted with constant temperature A/C and heater

**FAN**
- Thermal formed curved windshield, UL752 level 1 tested; Thermal insulated polycarbonate windows

**Fuel Capacity**
- 454 L (120 US gal)

**DEF Capacity**
- Tier 4f: 80 L (21 US gal)

**Power Train**
- WideRange® drive; Variable speed hydrostatic

**Axle, Front**
- 14 t (15.4 tn) rated bogie

**Axle, Rear**
- Tigercat Q615, outboard planetary, barrel differential, fixed

**Optional**
- 14 t (15.4 tn) rated bogie

**Differential Locks**
- Independent front and rear, friction clutch style

**Top Speed**
- 11.1 km/h (6.9 mph)

### Other Standard Equipment

**Vacuum Pump**
- Electric hydraulic fill pump

**Electric/Hydraulic Hood and Fuel Tank Tilt**
- RemoteLog™ telematics system

### Optional Equipment

**Engine/Cab/Hydraulic Heater**
- Block heater

**Hydraulic Reservoir Heater**
- RemoteLog™ telematics system

**GPS Receiver**
- Stump spray equipment; Colour marking; Road lights

### Harvesting Head

**Standard**
- Up to 1,650 kg (3,750 lb) heads for H250ER90 crane

**Optional**
- Up to 1,100 kg (2,425 lb) heads for H250ER110T crane

### All Engine Power Values Are Quoted at Net Power, as per SAE J1349. Tigercat Reserves the Right to Amend These Specifications at Any Time Without Notice. Weights and Dimensions May Vary Subject to Machine Options and Configurations. For the Most Current Specifications Please Refer to the Tigercat Website or Mobile App.