



The 234B series loaders are an excellent choice on the deck or in the mill yard. The 234B and T234B are designed and built for high production logging operations and high duty cycle delimiting.

BENEFITS AND ADVANTAGES:

Quiet, efficient, Tigercat FPT Tier 4f engine

- Perfectly matched to the 234B duty cycle
- Simple, reliable SCR emission control technology
- High performance with low fuel and DEF consumption

Efficient load sensing hydraulic system

- Extremely fuel efficient for reduced cost per tonne

Dedicated, energy recovery swing system

- Closed loop drive feeds power back to the engine when swing decelerates, reducing fuel consumption and recovering energy for other machine functions
- Dedicated swing system for quick cycles and enhanced machine performance in delimiting applications

High capacity swing system

- Large diameter, high capacity bearing
- High torque starts and smooth stops

Heavy duty strength-to-weight optimized boom

- Robust, well-protected cylinders and large diameter pins
- Designed for heavy lifting and high duty cycle delimiting

Wide stance, forest duty undercarriage, T234B

- Long track frames for rock solid stability and high flotation
- High clearance carbody and powerful tractive effort for excellent infield mobility
- Designed and built by Tigercat for full forest duty cycles

Rigid, fabricated subframe, 234B

- Generously sized for excellent stability

Optional AC16 articulating carrier

- Powerful tractive effort and towing capacity for demanding mill yard applications

Excellent service access

- Valves are conveniently located under the walk-up platform
- Platform access to engine and daily service points
- Swing-out door to access hydraulic pumps and filters

Spacious, ergonomic operator's station

- Very quiet operating environment (64 - 68 dB)
- Excellent climate control, heated/cooled seats, window blinds
- High visibility instrumentation and engine monitoring system

Tigercat®
by **FPT**
POWERTRAIN TECHNOLOGIES

Tigercat FPT emission technology is simple and reliable, meeting Tier 4 emission standards without the complexities of a variable geometry turbocharger, EGR system, intake throttle body or diesel particulate filter. The key is the patented selective catalyst reduction (SCR) system. Tigercat FPT engines offer improved reliability and lower long-term maintenance costs.

TIGERCATPOWER.
TIGERCATSUPPORT.

DIMENSIONS

| | | |
|-------------------------------|-----------------------|-----------------------|
| LENGTH | 4 900 mm (193 in) | 5 260 mm (207 in) |
| WIDTH | 2 590 mm (102 in) | 3 430 mm (135 in) |
| HEIGHT | 3 530 mm (139 in) | 4 395 mm (173 in) |
| With cab tilted for transport | N/A | 3 555 mm (140 in) |
| GROUND CLEARANCE | N/A | 700 mm (27 in) |
| WEIGHT | 15 130 kg (33,350 lb) | 24 090 kg (53,100 lb) |

POWER

| | | |
|----------------------|--|--|
| ENGINE | Tigercat FPT N45 Tier 4f 125 kW (168 hp) @ 2,200 rpm (rated) 129 kW (173 hp) @ 1,900 rpm (peak) Automatic idle down | Tigercat FPT N45 Tier 4f 125 kW (168 hp) @ 2,200 rpm (rated) 129 kW (173 hp) @ 1,900 rpm (peak) Automatic idle down |
| COOLING | Side-by-side aluminum radiator, oil cooler, charge air cooler and A/C condenser | Side-by-side aluminum radiator, oil cooler, charge air cooler and A/C condenser |
| FAN | Fixed pitch, high flow | Fixed pitch, high flow |
| Optional | Flexxaire® variable pitch, reversing | Flexxaire® variable pitch, reversing |
| FUEL CAPACITY USABLE | 378 L (100 US gal) | 450 L (120 US gal) |
| DEF CAPACITY | 43 L (11 US gal) | 43 L (11 US gal) |

HYDRAULIC SYSTEM

| | | |
|-----------------------|--|---------------------------------|
| PUMP, MAIN | Piston | Piston |
| PUMP, SWING | Piston, pressure compensated | Piston, pressure compensated |
| FILTRATION | (4) spin-on, 7 micron full-flow | (4) spin-on, 7 micron full-flow |
| RESERVOIR | 200 L (55 US gal) | 200 L (55 US gal) |
| CYLINDER, HOIST | 165 mm (6.5 in) bore | 165 mm (6.5 in) bore |
| CYLINDER, STICK | 140 mm (5.5 in) bore | 140 mm (5.5 in) bore |
| CYLINDERS, STABILIZER | (4) 165 mm (6.5 in) bore, bolt-on bi-directional lock valves | N/A |

ROTATING UPPER

| | | |
|---------------|--|--|
| SWING DRIVE | 9 rpm variable, 360° continuous rotation Swing priority and energy recovery | 9 rpm variable, 360° continuous rotation Swing priority and energy recovery |
| SWING BEARING | 1 190 mm (47 in) ball circle diameter; Internal gear teeth Double reduction planetary gearbox | 1 190 mm (47 in) ball circle diameter; Internal gear teeth Double reduction planetary gearbox |
| ENCLOSURE | Walk-up platform | Walk-up platform |
| COUNTERWEIGHT | 910 kg (2,000 lb) | 1 590 kg (3,500 lb) |
| Optional | N/A | 2 270 kg (5,000 lb) |

SUBFRAME, 234B

| | | |
|------------------|---------------------------------------|-----|
| LENGTH less step | 4 290 mm (169 in) | N/A |
| SUPPORT BASE | 3 810 mm x 4 650 mm (150 in x 183 in) | N/A |
| STABILIZER PADS | 585 mm x 710 mm (23 in x 28 in) | N/A |

UNDERCARRIAGE, T234B

| | | |
|-----------------|-----|---|
| TRACK FRAMES | N/A | F6-140 heavy duty forestry; Integral track guides/ramp angles |
| TRACK CHAIN | N/A | F8/D6D 203 mm (8 in) pitch sealed and greased |
| DRIVE | N/A | (2) Axial piston motors; Infinitely variable speed |
| TRACTIVE EFFORT | N/A | 187 kN (42,000 lbf) |
| GEARBOX | N/A | Triple reduction planetary type with brake |
| FRONT IDLER | N/A | Hydraulic track adjuster; Spring shock absorber |
| ROLLERS, UPPER | N/A | (2) D6D excavator type |
| Optional | N/A | Bolt-on slides |
| ROLLERS, LOWER | N/A | (8) D6 single and double flange tractor type |
| TRACK SHOE | N/A | 760 mm (30 in) triple grouser |
| Optional | N/A | 915 mm (36 in) triple grouser |
| | | 915 mm (36 in) triple grouser tri-track |

BRAKES

| | | |
|-------|-----|--|
| TRACK | N/A | Friction disc; Automatic spring applied, hydraulic release |
| SWING | N/A | Friction disc; Manual spring applied, hydraulic release |

BOOM

| | | |
|---------------|--|--|
| MAXIMUM REACH | 9 750 mm (32 ft) | 9 750 mm (32 ft) |
| LIFT CAPACITY | 14 740 kg (32,500 lb) @ 3,35 m (11 ft) 5 670 kg (12,500 lb) @ 7,6 m (25 ft) | 14 740 kg (32,500 lb) @ 3,35 m (11 ft) 5 670 kg (12,500 lb) @ 7,6 m (25 ft) |

ELECTRICAL

| | | |
|----------------|---|---|
| BATTERY | (2) 950 CCA, 12 v | (2) 950 CCA, 12 v |
| ALTERNATOR | 80 amp, 24 v | 80 amp, 24 v |
| SYSTEM VOLTAGE | 24 v | 24 v |
| LIGHTING | Halogen, (2) boom mounted, (3) cab mounted, (1) engine house (1) service, engine house LED lighting package | Halogen, (2) boom mounted, (3) cab mounted, (1) engine house (1) service, engine house LED lighting package |
| Optional | | |

OPERATOR'S STATION

| | |
|------|---|
| CAB | Insulated, pressurized and isolation mounted; Forward sloping, tinted polycarbonate windshield with intermittent wiper; Sliding tinted side windows; Polycarbonate skylight; Window blinds for windshield and skylight; A/C, heater, defroster and pressurizer 3-speed fan; Dome light; Cell phone holder; (2) 12 v power points; CB radio AM/FM digital stereo with CD player and auxiliary input port; Bluetooth® audio and hands-free calling Electronic control system with colour LCD display screen for machine monitoring and function adjustment |
| SEAT | Heavy duty suspension, fully adjustable, heated and cooled |

SPECIFICATIONS

234B

T234B

OPERATOR CONTROLS

| | |
|-------------|----------------------------|
| BOOM | Electronic joystick |
| Optional | Hydraulic joystick |
| STABILIZERS | Electric switches |
| SWING | Pilot valve, foot operated |
| TRAVEL | N/A |

| |
|----------------------------|
| Electronic joystick |
| Hydraulic joystick |
| N/A |
| Pilot valve, foot operated |
| Pilot valve, foot operated |

OTHER STANDARD EQUIPMENT

Delimber/bar saw slasher hydraulics

760 mm (30 in) cab riser

OPTIONAL EQUIPMENT

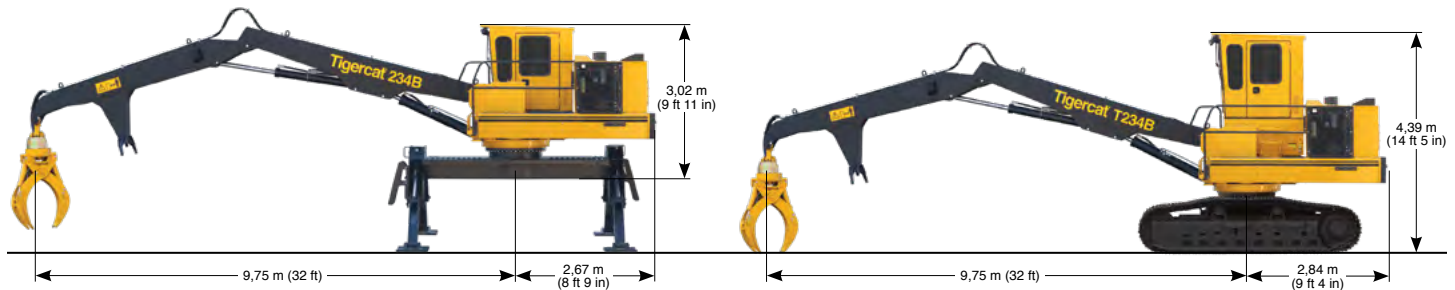
Tigercat LG4053, LG5057T grapples, continuous rotation
 Other grapples available; Live Heel
 Grapple saw hydraulics
 Circle saw slasher hydraulics
 Self-propelled hydraulics
 760 mm (30 in) cab riser
 Remotelog™ 8482 telematics system

Tigercat LG4053, LG5057T grapples, continuous rotation
 Other grapples available; Live heel
 Grapple saw hydraulics
 Delimber/slasher hydraulics
 Circle saw slasher hydraulics
 1 575 mm (62 in) 'mill yard' cab riser
 F6-152 undercarriage
 Remotelog™ 8482 telematics system

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

234B LOADER

T234B LOADER



234B

The 234B can be mounted on a trailer or the AC16 articulating carrier for the deck or the wood yard. With fast, responsive controls and powerful lifting capacity, the 234B is ideal for high production merchandising and loading. The strong boom is designed to withstand the lateral stresses of high duty cycle pull-through delimiting applications.

T234B

The T234B is a very capable track carrier with high ground clearance, powerful tractive effort and excellent stability. The undercarriage is designed and built for full forest duty. Efficient hydraulics provide low cost per tonne operation in loading applications where high mobility is required.

AC16 carrier

The AC16 articulating carrier is designed and built by Tigercat for mill yard duty applications.

With forest duty axles and powerful tractive effort, the four-wheel drive AC16 handles tough terrain and towing applications with ease.

Optional integrated bunks are also available.





A quiet, spacious, ergonomic operating environment ensures that the operator concentrates full attention on the essential tasks of merchandising and loading.



Tigercat-built full forest duty undercarriage with powerful tractive effort for excellent mobility in tough terrain. Long track frames and wide stance for comfort and stability.



Convenient platform access to the engine and daily service points. The compartment is neat and spacious.



All valves are located underneath the walk-up platform for clear and easy access with neat hydraulic and electrical routings.

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54 Morton Ave. East
Brantford, Ontario
Canada, N3R 7J7
Mail: Box 637 N3T 5P9
234B/T234B 1.2 1018

E-mail: comments@tigercat.com
Internet: www.tigercat.com
Tel: (519) 753-2000
Fax: (519) 753-8272

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