

## 250D/T250D LOADER



The 250D series loaders are an excellent choice on the deck or in the mill yard. The 250D and T250D are designed and built for high production logging operations, heavy timber and tough duty cycle delimiting applications.

### BENEFITS AND ADVANTAGES:

#### Powerful, efficient Tigercat FPT engine

- Extremely quiet and fuel efficient
- Simple, reliable SCR emission control technology for Tier 4f

#### Efficient load sensing hydraulic system

#### 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

#### Optional SuperDuty (SD) package, T250D

- Larger F6-155 undercarriage and long reach 11 m (36 ft) boom with live heel for mill yard applications

#### Optional AC16 articulating carrier for the 250D

#### Powerful 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, T250D

- Long track frames for excellent stability and 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, 250D

- Generously sized for excellent stability

#### Excellent service access

- Valves are conveniently located under the walk-up platform
- Platform access to 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

# SPECIFICATIONS

## 250D

## T250D

### DIMENSIONS

LENGTH less boom and steps	5 080 mm (200 in)	5 260 mm (207 in)
WIDTH	2 590 mm (102 in)	3 430 mm (135 in)
HEIGHT	3 450 mm (136 in)	4 320 mm (170 in)
HEIGHT with cab tilted for transport	N/A	3 530 mm (139 in)
GROUND CLEARANCE	N/A	760 mm (30 in)
WEIGHT less grapple	17 190 kg (37,900 lb)	25 445 kg (56,100 lb)

### POWER

ENGINE Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f
▶ RATED	160 kW (215 hp) @ 1800 rpm	160 kW (215 hp) @ 1800 rpm
▶ PEAK	160 kW (215 hp) @ 1800 rpm	160 kW (215 hp) @ 1800 rpm
ENGINE Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2
▶ RATED	160 kW (215 hp) @ 1800 rpm	160 kW (215 hp) @ 1800 rpm
▶ PEAK	160 kW (215 hp) @ 1800 rpm	160 kW (215 hp) @ 1800 rpm
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	378 L (100 US gal)	378 L (100 US gal)
DEF CAPACITY Tier 4f	43 L (11 US gal)	43 L (11 US gal)

### HYDRAULIC SYSTEM

PUMP, MAIN	Piston	Piston
PUMP, SWING	Piston, pressure compensated	Piston, pressure compensated
RESERVOIR	200 L (55 US gal)	200 L (55 US gal)
FILTRATION	(4) Spin-on, 7 micron full-flow	(4) Spin-on, 7 micron full-flow
CYLINDER, HOIST	178 mm (7 in) diameter	178 mm (7 in) diameter
CYLINDER, STICK	152 mm (6 in) diameter	152 mm (6 in) diameter
CYLINDERS, STABILIZER	(4) 165 mm (6.5 in) diameter Bolt-on bi-directional lock valves	N/A

### ROTATING UPPER

SWING DRIVE	8 rpm variable, 360° continuous rotation Swing priority and energy recovery	8 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	N/A	2 950 kg (6,500 lb)
▶ Optional	N/A	3 630 kg (8,000 lb); 4 535 kg (10,000 lb)

### SUBFRAME

LENGTH less steps	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

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
FINAL DRIVE	N/A	(2) Axial piston motors; Infinitely variable speed
TRACTIVE EFFORT	N/A	222 kN (50,000 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

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

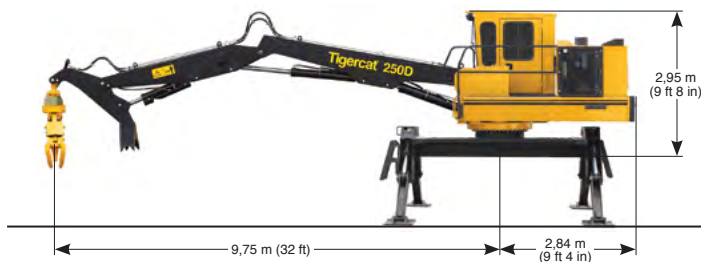
## 250D

## T250D

BOOM		
MAXIMUM REACH	9 750 mm (32 ft)	9 750 mm (32 ft)
LIFT CAPACITY	15 875 kg (35,000 lb) @ 3,35 m (11 ft) 7 075 kg (15,600 lb) @ 7,62 m (25 ft)	15 875 kg (35,000 lb) @ 3,35 m (11 ft) 7 075 kg (15,600 lb) @ 7,62 m (25 ft)
MAXIMUM REACH, SD package	N/A	11 000 mm (36 ft)
LIFT CAPACITY, SD package	N/A	9 980 kg (22,000 lb) @ 4,57 m (15 ft) reach 5 445 kg (12,000 lb) @ 7,62 m (25 ft) reach
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	Halogen, (2) boom mounted, (3) cab mounted, (1) engine house; (1) service, engine house
► Optional	LED lighting package	LED lighting package
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	
OPERATOR CONTROLS		
BOOM	Hydraulic joystick	Hydraulic joystick
STABILIZERS	Electric switches	N/A
SWING	Foot operated, pilot valve	Foot operated, pilot valve
TRAVEL	N/A	Foot operated, pilot valve
OTHER STANDARD EQUIPMENT		
	Delimber/bar saw slasher hydraulics	N/A
OPTIONAL EQUIPMENT		
	Tigercat LG4053, LG5057T grapples, continuous rotation Other grapples available; Live heel; Cylinder lock valves Grapple saw hydraulics	Tigercat LG4053, LG5057T grapples, continuous rotation Butt-n-top, power clam grapples; Other grapples available Live Heel; Cylinder lock valves; Grapple saw hydraulics Delimber/bar saw slasher hydraulics 1 575 mm (62 in) 'mill yard' cab riser SuperDuty (SD) package: 11 m (36 ft) boom with live heel F6-152 undercarriage

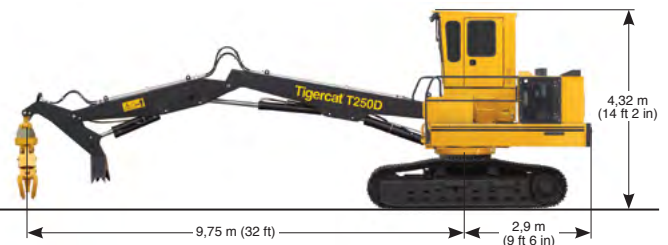
ALL ENGINE POWER VALUES ARE QUOTED AT NET POWER, AS PER SAE J1349. TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

## 250D LOADER



Note: actual maximum reach with live heel is 10 m (33 ft)

## T250D LOADER

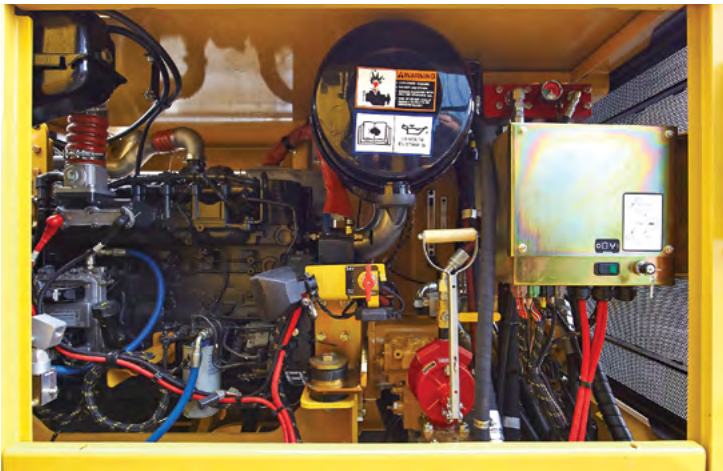


## AC16 CARRIER

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.



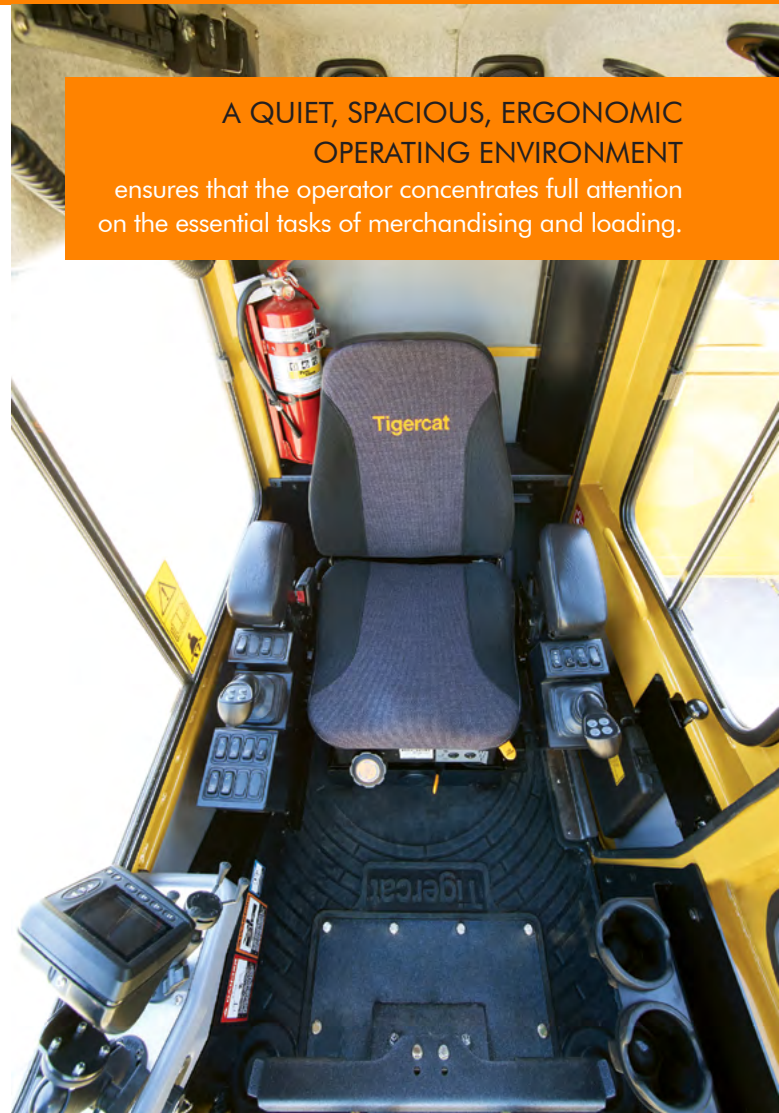
# ACCESSIBILITY



Excellent access to the engine and all daily service points



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



A QUIET, SPACIOUS, ERGONOMIC OPERATING ENVIRONMENT ensures that the operator concentrates full attention on the essential tasks of merchandising and loading.

Well appointed operator's station, featuring large LCD touch screen, front/rear cameras, AM/FM CD stereo with Bluetooth® Audio and hands free calling.



## TIGERCAT FPT ENGINE TECHNOLOGY

Tigercat FPT Tier 4f engines offer quick load response, low operating costs and high power density, combined with excellent fuel economy.

The second-generation common rail fuel injection system provides top performance in the most demanding applications.

Tigercat FPT Tier 4f emission technology is simple and reliable. The Tier 4f configuration meets emission standards without complex add-on components. The key is the patented selective catalyst reduction (SCR) after-treatment system.

Tigercat FPT engines offer improved reliability and lower long-term maintenance costs – the clear power choice for forestry and off-road industrial applications.

TIGERCATPOWER.  
TIGERCATSUPPORT.™



<b>EMAIL</b>	comments@tigercat.com
<b>PHONE</b>	519.753.2000
<b>WEBSITE</b>	www.tigercat.com
<b>ADDRESS</b>	54 Morton Ave. East, Brantford, Ontario Canada, N3R 7J7
<b>MAIL</b>	Box 637 N3T 5P9

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