

## SIX-WHEEL SKIDDERS



# TIGERCAT SKIDDERS ARE THE WORLD'S MOST ADVANCED, EFFICIENT AND PRODUCTIVE.

Six-wheel drive delivers staggering traction and weight distribution benefits.

Combined with hydrostatic drive technology, the result is a series of skidders that deliver wood to roadside at the lowest cost per tonne in the world's most challenging forestry environments – from mountains to lowlands.

- Highly efficient driveline
- Full tractive effort at any engine speed
- Minimal wheel spin in adverse terrain

### THE 615E

Quick, compact and agile. Ideal for soft terrain, steep ground and tight spaces.



### THE 625E

Best suited to high volumes, challenging terrain, demanding duty cycles and long distance skidding.



### THE 635G

Tigercat's highest production skidder is the best solution for super high volume operations and the toughest terrain conditions.





## TURNaround®

TURNAROUND, THE TWO-POSITION ROTATING SEAT, IS STANDARD EQUIPMENT THROUGH THE ENTIRE SKIDDER PRODUCT LINE.

With Turnaround, forward and reverse have become meaningless terminologies. Drive blade-forward or grapple-forward with full control of all functions. Thanks to Tigercat's advanced hydrostatic drive technology, full speed range and tractive effort are available in either direction.

The steer function is controlled with an armrest-mounted joystick, anchoring the operator in a more secure, ergonomically-correct seating position.

## THE REAL BENEFITS OF TURNAROUND:

- Reduced neck strain. With Turnaround, the spine is correctly aligned. Impacts on the body are easier to absorb. Operators who use Turnaround feel better at the end of the day.
- Quicker turns and reduced fuel consumption. Rather than perform a wide U-turn or three-point turn, the operator simply shuttles back and forth from the deck to the cut block.
- Perform decking duties with ease. The task at hand is in front of the operator, not behind.
- Negotiate tough terrain more easily. Travel grapple-forward on a steep incline with full view of stumps and obstructions.
- Pick up multiple bunches more quickly.
- An asset in long, confined skidder tracks like a log mat or thinning corridor.

USED TO ITS FULL POTENTIAL, TURNAROUND EXPANDS THE CAPABILITIES OF THE SKIDDER. IMAGINE WHAT TURNAROUND CAN DO FOR YOU.



## TIGERCAT FPT ENGINE TECHNOLOGY

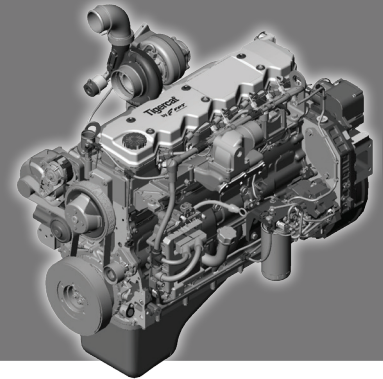
Tigercat FPT Tier 2 and Tier 4f engines offer quick load response, low operating costs and high power density, combined with excellent fuel economy.

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.™



## SPEED AND TRACTIVE EFFORT

EHS is capable of providing the tractive effort of the deepest gear ratio offered in Tigercat's standard transfer case as well as the top speed of the shallowest gear ratio offered in the standard transfer case.

This is accomplished with advanced computer logic and the ability to take one of the drive motors offline when high tractive effort is not required. In this case, all pump flow is directed to one hydraulic motor, increasing both travel speed and motor efficiency.

When operating conditions demand high tractive effort, both hydrostatic motors are working. When tractive effort requirements are reduced – for instance, when travelling empty or loaded on flat terrain – all of the pump flow is directed to one motor for higher travel speeds.

It all happens smoothly and seamlessly. No input is required from the operator.



**BUILT TOUGH**

### HIGH CAPACITY TIGERCAT DUAL CYLINDER GRAPPLES

Choice of plate or box tongs. Wide tip-to-tip openings to quickly gather scattered bunches. Grapple and arch functions controlled by one joystick.



### SIX-WHEEL DRIVE

Excellent performance on steep slopes. Low ground pressure in soft terrain conditions.



## TIGERCAT AXLES

- In-house development and manufacture ensures that the axles are matched to the high performance and demanding duty cycles of Tigercat skidders.
- Tigercat's advanced machining capability and strict quality control processes provide axle components you can count on for low operating costs and long life.



All models are standard equipped for dual or flotation tires.

# Tigercat®



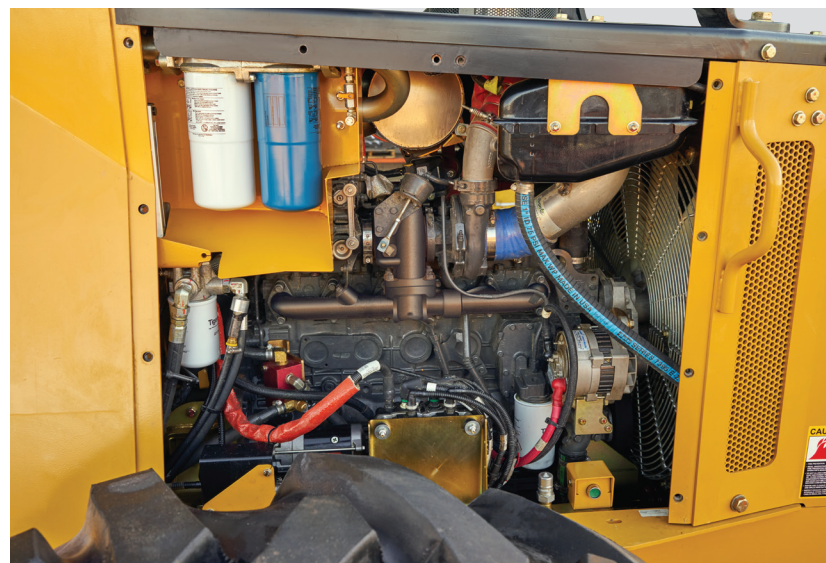
## CONVENIENCE

Convenient access to all service points promotes better machine maintenance routines. Excellent layout with easy access to all major components. Tilting cab to access pumps and driveline. Clean routing for hoses and wiring.



## THE STRONGEST CHOICE

Strong centre section with thick steel plate, large pins and tapered roller bearings.



## EASY ACCESS

Neat, clean engine compartment with quick access to daily service points.

# SPECIFICATIONS

**615E**
**625E**
**635G**
**DIMENSIONS WITH STANDARD TIRES**

LENGTH	8 460 mm (333 in)	8 740 mm (344 in)	9 475 mm (373 in)
WHEELBASE	4 320 mm (170 in)	4 445 mm (175 in)	5 230 mm (206 in)
WIDTH	3 350 mm (132 in)	3 350 mm (132 in)	3 580 mm (141 in)
WIDTH narrow offset	N/A	N/A	3 250 mm (128 in)
HEIGHT	3 150 mm (124 in)	3 150 mm (124 in)	3 225 mm (127 in)
GROUND CLEARANCE	635 mm (25 in)	635 mm (25 in)	710 mm (28 in)
WEIGHT	20 855 kg (46,000 lb)	21 860 kg (48,200 lb)	24 720 kg (54,500 lb)

**POWER**

ENGINE Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f
▶ RATED	151 kW (203 hp) @ 2,200 rpm	165 kW (221 hp) @ 2,200 rpm	212 kW (285 hp) @ 2,200 rpm
▶ PEAK	165 kW (221 hp) @ 1,900 rpm	172 kW (231 hp) @ 2,000 rpm	216 kW (290 hp) @ 2,000 rpm
ENGINE Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2
▶ RATED	168 kW (226 hp) @ 2,100 rpm	168 kW (226 hp) @ 2,100 rpm	215 kW (288 hp) @ 2,100 rpm
▶ PEAK	172 kW (231 hp) @ 1,900 rpm	172 kW (231 hp) @ 1,900 rpm	216 kW (290 hp) @ 2,000 rpm
AIR FILTRATION	Precleaner and 2-stage engine air cleaner	Precleaner and 2-stage engine air cleaner	Precleaner and 2-stage engine air cleaner
TOP SPEED	23 km/h (14 mph) with EHS®	23 km/h (14 mph) with EHS®	21 km/h (13 mph) with EHS®
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	Side-by-side aluminum radiator, oil cooler, charge air cooler and A/C condenser
FAN	Engine driven blower	Engine driven blower	Flexxaire® variable pitch, reversing
▶ Optional	Flexxaire® variable pitch, reversing	Flexxaire® variable pitch, reversing	N/A
FUEL CAPACITY usable	305 L (81 US gal)	305 L (81 US gal)	305 L (81 US gal)
▶ Optional	430 L (110 US gal)	430 L (110 US gal)	430 L (110 US gal)
DEF CAPACITY Tier 4f	43 L (11 US gal)	43 L (11 US gal)	43 L (11 US gal)

**POWER TRAIN**

TRANSMISSION	EHS® (efficient high speed) drive Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors	Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors	Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors
▶ Optional	Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors	EHS® (efficient high speed) drive Variable speed hydrostatic (2) Variable displacement motors	Enhanced High Torque EHS® (efficient high speed) drive Variable speed hydrostatic (2) Variable displacement motors
AXLE, FRONT	Tigercat IB17, inboard planetary, barrel differential, +/-15° oscillation	Tigercat IB17, inboard planetary, barrel differential, +/-15° oscillation	Tigercat OB17, outboard planetary, barrel differential, +/-15° oscillation
▶ Optional	Tigercat OB17, outboard planetary, barrel differential, +/-15° oscillation	Tigercat OB17, outboard planetary, barrel differential, +/-15° oscillation	N/A
AXLE, REAR	Tigercat ROB17 bogie, 14 hole pattern, outboard planetary, barrel differential	Tigercat ROB17 bogie, 14 hole pattern, outboard planetary, barrel differential	Tigercat WOB17 wide-spread bogie, outboard planetary, barrel differential
▶ Optional	Tigercat ROB17 bogie, 18 hole pattern, outboard planetary, barrel differential	Tigercat ROB17 bogie, 18 hole pattern, outboard planetary, barrel differential	Tigercat HOB17 high-clearance bogie, outboard planetary, barrel differential
DIFFERENTIAL LOCKS	Independent front and rear	Independent front and rear	Independent front and rear

**HYDRAULIC SYSTEM**

PUMP, DRIVE	Piston	Piston	Piston
PUMP, MAIN 1	Piston for all machine functions	Piston for all machine functions	Piston for all machine functions
PUMP, MAIN 2	Gear for cooling	Gear for cooling	Gear for cooling
FILTRATION	(2) Spin-on, 7 micron full flow	(2) Spin-on, 7 micron full flow	(4) Spin-on, 7 micron full flow
CYLINDERS, ARCH	(4) 90 mm (4 in) bore (dual function)	(4) 90 mm (4 in) bore (dual function)	(4) 127 mm (5 in) bore (dual function)
CYLINDERS, STEER	(2) 85 mm (3.25 in) bore	(2) 85 mm (3.25 in) bore	(2) 95 mm (3.75 in) bore
CYLINDERS, BLADE	(2) 75 mm (3.5 in) bore	(2) 75 mm (3.5 in) bore	(2) 95 mm (3.75 in) bore
RESERVOIR	105 L (28 US gal)	105 L (28 US gal)	105 L (28 US gal)

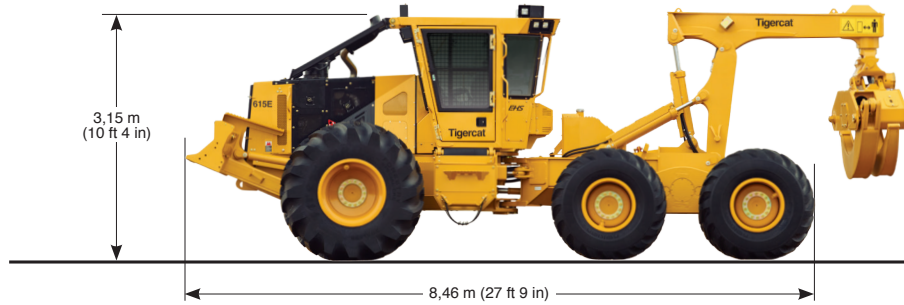
**BRAKES**

DYNAMIC BRAKING	Hydrostatic	Hydrostatic	Hydrostatic
SECONDARY BRAKES	Enclosed, oil cooled	Enclosed, oil cooled	Enclosed, oil cooled
PARK BRAKE	Caliper; Spring applied, hydraulic release	Caliper; Spring applied, hydraulic release	Enclosed, oil-cooled; Spring applied, hydraulic release

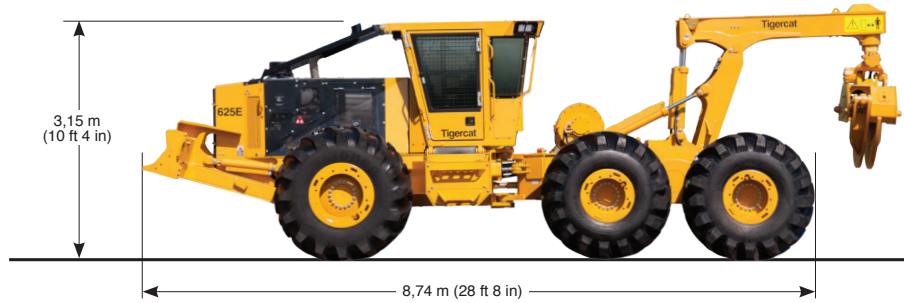
**615E**
**625E**
**635G**

<b>TIRES</b>			
FRONT	30.5Lx32,20	30.5Lx32,20	35.5Lx32,24
REAR	780/50x28.5	780/50x28.5	30.5Lx32,26
► Optional	N/A	N/A	780/50x28.5
<b>ARCH</b>			
STANDARD	Dual function, continuous rotate	Dual function, continuous rotate	Dual function, high lift, continuous rotate
<b>GRAPPLE</b>			
STANDARD	Tigercat 1,58 m <sup>2</sup> (17 ft <sup>2</sup> ) 2-cylinder, plate or box tong	Tigercat 1,58 m <sup>2</sup> (17 ft <sup>2</sup> ) 2-cylinder, plate or box tong	Tigercat 1,95 m <sup>2</sup> (21 ft <sup>2</sup> ) 2-cylinder, plate or box tong
► MAXIMUM OPENING	3 630 mm (143 in)	3 630 mm (143 in)	3 810 mm (150 in)
OPTIONAL	Tigercat 1,76 m <sup>2</sup> (19 ft <sup>2</sup> ) 2-cylinder, plate or box tong	Tigercat 1,76 m <sup>2</sup> (19 ft <sup>2</sup> ) 2-cylinder, plate or box tong Tigercat 1,95 m <sup>2</sup> (21 ft <sup>2</sup> ) 2-cylinder, plate or box tong	Tigercat 2,32 m <sup>2</sup> (25 ft <sup>2</sup> ) 2-cylinder, plate or box tong
► MAXIMUM OPENING	3 683 mm (145 in)	3 683 mm (145 in) 3 810 mm (150 in)	3 835 mm (151 in)
<b>BLADE</b>			
WIDTH	2 285 mm (90 in)	2 285 mm (90 in)	2 285 mm (90 in)
► With optional extensions	2 920 mm (115 in)	2 920 mm (115 in)	2 920 mm (115 in)
<b>ELECTRICAL</b>			
BATTERY	(2) 12 v	(2) 12 v	(2) 12 v
ALTERNATOR	80 amp, 24 v	80 amp, 24 v	80 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v	24 v
LIGHTING	(11) LED	(11) LED	(11) LED
<b>OPERATOR'S STATION</b>			
CAB	Insulated, pressurized and isolation mounted; A/C, heater, defroster and pressurizer; (2) Doors with slide side windows and hinged screens; Forward sloping windshield; Machine monitoring system with LCD display; AM/FM digital stereo CD		
SEAT	Extreme duty Turnaround®, air ride; Fully adjustable height, seat back recline, lumbar support and armrests; 2-position mechanical lock, 100° rotating for rear-facing drive, heated and cooled		
OPERATOR CONTROLS	Electronic joysticks for arch/grapple/blade/steering; Electronic foot pedal, front and rear with forward/reverse selector switch for drive; Electronic control system with colour display screen interface for machine monitoring and function adjustment		
<b>OTHER STANDARD EQUIPMENT</b>			
	Alarm for reverse drive; Fuel suction strainer; Fire extinguisher; Pressurized water system		
<b>OPTIONAL EQUIPMENT</b>			
	Hydraulic winch; (6) High output LED, (9) Standard output LED; Cold weather kit; CB radio		

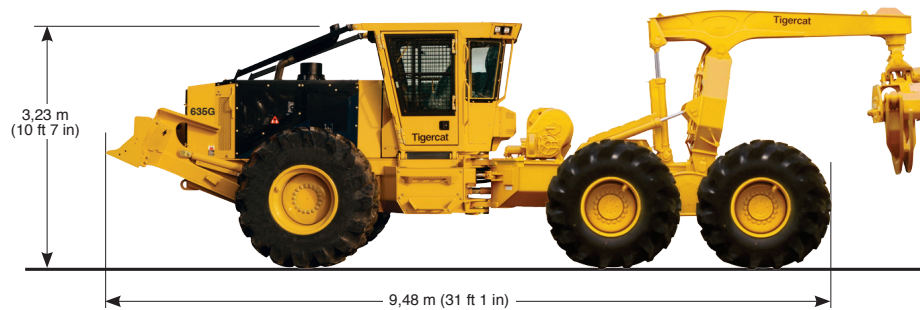
THE 615E



THE 625E



THE 635G



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