

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

The unique drive system combines hydrostatics with electronic control technology, delivering wood to roadside at the lowest cost in a variety of terrain conditions, tree sizes and species.

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

## THE 610E

A truly compact skidder, the 610E is agile and powerful. Ideal in tight spaces, soft soil conditions and selective logging.



## THE 620E

An all around skidder suited to most clear fell and thinning applications.



## THE 630E

Best suited to high volume applications, challenging terrain and demanding duty cycles.



## THE 632E

No four-wheel drive skidder matches the 632E in capacity and productivity. Ideal in punishing conditions and extremely high volume demands.







## 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 and not behind you.
- Negotiate tough terrain more easily. Travel grapple-first 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.



## TIGERCAT AXLES

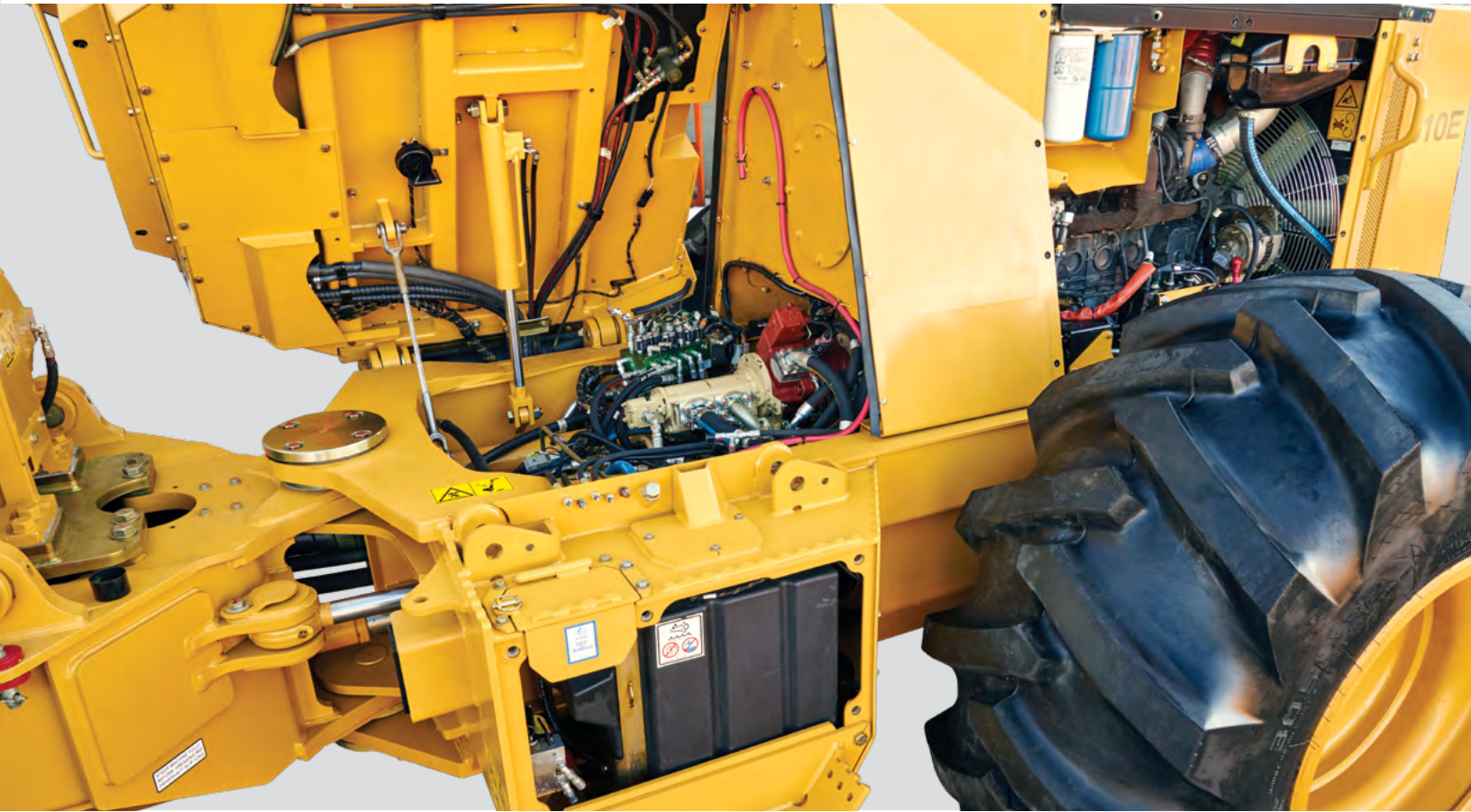
- In-house development and manufacture ensures that the axles are matched to the high performance and demanding duty cycles of Tigercat skidders.
- Tigercat's advanced machining capability and strict quality control processes provide axle components you can count on for low operating costs and long life.



All E-series 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

610E

620E

630E

632E

## DIMENSIONS WITH STANDARD TIRES

LENGTH	6 985 mm (275 in)	7 365 mm (290 in)	7 620 mm (300 in)	7 620 mm (300 in)
WHEELBASE	3 935 mm (155 in)	4 065 mm (160 in)	4 320 mm (170 in)	4 320 mm (170 in)
WIDTH	3 330 mm (131 in)	3 330 mm (131 in)	3 330 mm (131 in)	3 580 mm (141 in)
WIDTH narrow offset	3 020 mm (119 in)	3 020 mm (119 in)	3 020 mm (119 in)	3 270 mm (129 in)
HEIGHT	3 150 mm (124 in)	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)	635 mm (25 in)	710 mm (28 in)
WEIGHT	17 010 kg (37,500 lb)	19 595 kg (43,200 lb)	20 640 kg (45,500 lb)	21 865 kg (48,200 lb)

## POWER

ENGINE Tier 4f	Tigercat FPT N67 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	195 kW (262 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	201 kW (270 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	Tigercat FPT N67 Tier 2
▶ RATED	159 kW (213 hp) @ 2,100 rpm	168 kW (226 hp) @ 2,100 rpm	198 kW (266 hp) @ 2,100 rpm	215 kW (288 hp) @ 2,100 rpm
▶ PEAK	165 kW (221 hp) @ 1,900 rpm	172 kW (231 hp) @ 2,000 rpm	201 kW (270 hp) @ 2,000 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	Precleaner and 2-stage engine air cleaner
TOP SPEED with EHS®	23 km/h (14 mph)	21 km/h (13 mph)	21 km/h (13 mph)	23 km/h (14 mph)
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	Side-by-side aluminum radiator, oil cooler, transmission cooler, charge air cooler and A/C condenser
FAN	Fixed pitch, blower	Fixed pitch, blower	Flexxaire® variable pitch, reversing	Flexxaire® variable pitch, reversing
▶ Optional	Flexxaire® variable pitch, reversing	Flexxaire® variable pitch, reversing	N/A	N/A
FUEL CAPACITY usable	305 L (81 US gal)	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)	430 L (110 US gal)
DEF CAPACITY Tier 4f	43 L (11 US gal)	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	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 Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors	EHS® (efficient high speed) drive Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors	EHS® (efficient high speed) drive Single-speed mechanical Variable speed hydrostatic (2) Variable displacement motors
AXLE, FRONT	Tigercat IB15 wide, inboard planetary, barrel differential +/-15° oscillation	Tigercat IB17, inboard planetary, barrel differential +/-15° oscillation	Tigercat OB17, outboard planetary, barrel differential +/-15° oscillation	Tigercat OB17, outboard planetary, barrel differential +/-15° oscillation
▶ Optional	N/A	Tigercat OB17, outboard planetary, barrel differential +/-15° oscillation	N/A	N/A
AXLE, REAR	Tigercat IB17, inboard planetary, barrel differential Fixed	Tigercat IB17, inboard planetary, barrel differential Fixed	Tigercat OB17, outboard planetary, barrel differential Fixed	Tigercat OB20, outboard planetary, barrel differential Fixed
▶ Optional	N/A	Tigercat OB17, outboard planetary, barrel differential Fixed	N/A	N/A
DIFFERENTIAL LOCKS	Independent front and rear	Independent front and rear	Independent front and rear	Independent front and rear

## HYDRAULIC SYSTEM

PUMP, DRIVE	Piston	Piston	Piston	Piston
PUMP, MAIN 1	Piston for all machine functions	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	Gear for cooling
FILTRATION	(2) spin-on, 7 micron full flow	(2) spin-on, 7 micron full flow	(2) spin-on, 7 micron full flow	(4) spin-on, 7 micron full flow
CYLINDERS, ARCH	(2) 100 mm (4 in) bore (single function) (4) 100 mm (4 in) bore (dual function)	(2) 100 mm (4 in) bore (single function) (4) 100 mm (4 in) bore (dual function)	(2) 100 mm (4 in) bore (single function) (4) 100 mm (4 in) bore (dual function)	(4) 115 mm (4.5 in) bore (dual function)
CYLINDERS, STEER	(2) 85 mm (3.25 in) bore	(2) 85 mm (3.25 in) bore	(2) 85 mm (3.25 in) bore	(2) 95 mm (3.75 in) bore
CYLINDERS, BLADE	(2) 90 mm (3.5 in) bore	(2) 90 mm (3.5 in) bore	(2) 90 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)	105 L (28 US gal)

**610E**
**620E**
**630E**
**632E**

<b>BRAKES</b>				
DYNAMIC BRAKING	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
SECONDARY BRAKES	Enclosed, oil cooled	Enclosed, oil cooled	Enclosed, oil cooled	Enclosed, oil cooled
PARK BRAKE	Caliper; Spring applied, hydraulic release	Caliper; Spring applied, hydraulic release	Caliper; Spring applied, hydraulic release	Enclosed, oil-cooled; Spring applied, hydraulic release
<b>TIRES</b>				
STANDARD	30.5Lx32,26	30.5Lx32,26	30.5Lx32,26	35.5x32,24
OPTIONAL	30.5x5-32,26; 73x44-32,16	35.5x32,24; 73x44-32,16	35.5x32,24; 73x44-32,16	73x44-32,16
<b>ARCH</b>				
STANDARD	Single function, continuous rotate	Single function, continuous rotate	Single function, continuous rotate	Dual function, continuous rotate
OPTIONAL	Dual function, continuous rotate	Dual function, continuous rotate	Dual function, continuous rotate	N/A
<b>GRAPPLE</b>				
STANDARD	Tigercat 1,21 m <sup>2</sup> (13 ft <sup>2</sup> ) 2-cylinder, plate or box tong	Tigercat 1,39 m <sup>2</sup> (15 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 1,76 m <sup>2</sup> (19 ft <sup>2</sup> ) 2-cylinder, plate or box tong
▶ MAXIMUM OPENING	3 250 mm (128 in)	3 505 mm (138 in)	3 630 mm (143 in)	3 710 mm (146 in)
OPTIONAL	Tigercat 1,39 m <sup>2</sup> (15 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 1,76 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 2,14 m <sup>2</sup> (23 ft <sup>2</sup> ) 2-cylinder, plate or box tong
▶ MAXIMUM OPENING	3 505 mm (138 in)	3 630 mm (143 in)	3 710 mm (146 in)	3 835 mm (151 in) 3 861 mm (152 in)
<b>BLADE</b>				
WIDTH	2 285 mm (90 in)	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)	2 920 mm (115 in)
<b>ELECTRICAL</b>				
BATTERY	(2) 12 v	(2) 12 v	(2) 12 v	(2) 12 v
ALTERNATOR	80 amp, 24 v	80 amp, 24 v	80 amp, 24 v	80 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v	24 v	24 v
LIGHTING	(11) LED	(11) LED	(11) LED	(11) LED
<b>OPERATOR'S STATION</b>				
CAB	Insulated, pressurized and isolation mounted; Air conditioner/heater/defroster; (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 joystick 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; Fenders; CB radio			



**THE 610E**



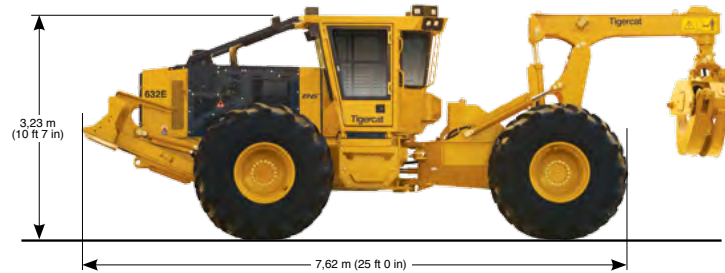
**THE 620E**



**THE 630E**



**THE 632E**



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