

635G SWING BOOM SKIDDER

The Tigercat 635G swing boom skidder enables quicker and easier bunching cycles, significantly improving the overall productivity of any steep slope logging operation.



BENEFITS AND ADVANTAGES:

Increased productivity with robust rotating swing boom

- 210° rotation increases side-to-side working envelop
- Quicker bunching cycle times
- Dual rotate motors and a large swing bearing provide ample swing torque and lifespan

Well-suited for steep slope applications

- Standard equipped with a high capacity recovery winch and the patented Tigercat tethering chassis
- Effortlessly gathers bunches on steep terrain
- Reduces direction changes and other time consuming motions
- Reduces tethering device set-ups due to wider working range

EHS 'efficient high speed' hydrostatic six-wheel drive

- Extremely efficient driveline with electronic control system
- Capable of high speeds in forward and reverse
- Low ground pressure in soft terrain conditions
- High performance, minimal wheel spin in adverse terrain

Durable, Tigercat axles

- Designed and built for extreme duty
- Strength optimized frames
- Strong, long-life centre section constructed with thick steel plate, oversized pins and tapered roller bearings

Turnaround® equipped operator's station with back up camera

- Two-position Turnaround seat with ergonomic joystick steering and full rear-facing drive controls
- Excellent visibility to the sides of the engine house
- Front and rear view cameras

Powerful, efficient Tigercat FPT engine

Excellent access to major components and daily service points

635G SWING BOOM

DIMENSIONS with standard tires

| | |
|------------------|-----------------------|
| LENGTH | 9 475 mm (373 in) |
| WHEELBASE | 5 230 mm (206 in) |
| WIDTH | 3 580 mm (141 in) |
| HEIGHT | 3 655 mm (144 in) |
| GROUND CLEARANCE | 710 mm (28 in) |
| WEIGHT | 28 575 kg (63,000 lb) |

POWER

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|-----------------------------|---|
| ENGINE Tier 4f | Tigercat FPT N67 Tier 4f |
| ▶ RATED | 212 kW (285 hp) @ 2,200 rpm |
| ▶ PEAK | 216 kW (290 hp) @ 2,000 rpm |
| ENGINE Tier 2 | Tigercat FPT N67 Tier 2 |
| ▶ RATED | 215 kW (288 hp) @ 2,100 rpm |
| ▶ PEAK | 216 kW (290 hp) @ 2,000 rpm |
| AIR FILTRATION | Precleaner and 2-stage engine air cleaner |
| TOP SPEED | 15 km/h (9.5 mph) |
| COOLING | Side-by-side aluminum radiator, oil cooler, charge air cooler and A/C condenser |
| FAN | Flexaire® variable pitch, reversing |
| FUEL CAPACITY usable | 430 L (110 US gal) |
| ▶ Fuel capacity Tier 2 only | 650 L (172 US gal) |
| DEF CAPACITY Tier 4f | 43 L (11 US gal) |

POWER TRAIN

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|--------------------|---|
| TRANSMISSION | Single-speed mechanical; Variable speed hydrostatic (2) Variable displacement motors |
| ▶ Optional | Enhanced High Torque EHS (efficient high speed) drive; Variable speed hydrostatic; (2) Variable displacement motors |
| AXLE, FRONT | Tigercat OB17, outboard planetary, barrel differential, +/- 15° oscillation |
| AXLE, REAR | Tigercat WOB17 wide-spread bogie, outboard planetary, barrel differential |
| DIFFERENTIAL LOCKS | Independent front and rear |

HYDRAULIC SYSTEM

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|------------------|---|
| PUMP, DRIVE | Piston |
| PUMP, MAIN | Piston for all machine functions |
| PUMP, MAIN 2 | Gear for cooling |
| FILTRATION | (4) Spin-on, 7 micron full flow |
| CYLINDERS, ARCH | (2) 127 mm (5 in) bore (main boom) (1) 140 mm (5.5 in) bore (stick boom) |
| CYLINDERS, STEER | (2) 95 mm (3.75 in) bore |
| CYLINDERS, BLADE | (2) 95 mm (3.75 in) bore |
| RESERVOIR | 105 L (28 US gal) |

BRAKES

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|-----------------|--|
| DYNAMIC BRAKING | Hydrostatic |
| SECONDARY BRAKE | Enclosed, oil cooled |
| PARK BRAKE | Enclosed, oil cooled; Spring applied, hydraulic release |
| SWING BRAKE | Friction disc; Automatic spring applied, hydraulic release |

TIRES

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|------------|-------------|
| FRONT | 35.5Lx32,24 |
| REAR | 30.5Lx32,26 |
| ▶ Optional | 780/50x28.5 |

ARCH/BOOM

| | |
|---------------|---|
| STANDARD | Dual function, high lift, continuous rotate |
| MAXIMUM REACH | 4 110 mm (13.5 ft) |
| LIFT CAPACITY | 17 237 kg (38,000 lb) @ 3,66 m (12 ft) |

ROTATING UPPER

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|---------------|---|
| SWING DRIVE | Variable speed up to 6 rpm; 210° rotation; Double reduction, twin swing drive planetary gearboxes Twin piston swing motors |
| SWING BEARING | 1 190 mm (47 in) ball circle diameter; Internal gear teeth |
| SWING TORQUE | 9 800 Nm (7,200 lbf-ft) |

GRAPPLE

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|-----------------|---|
| STANDARD | Tigercat 1,76 m ² (19 ft ²) 2-cylinder, plate or box tong |
| MAXIMUM OPENING | 3 710 mm (146 in) |

BLADE

| | |
|----------------------------|-------------------|
| WIDTH | 2 285 mm (90 in) |
| ▶ With optional extensions | 2 920 mm (115 in) |

ELECTRICAL

| | |
|----------------|--------------|
| BATTERY | (2) 12 v |
| ALTERNATOR | 80 amp, 24 v |
| SYSTEM VOLTAGE | 24 v |
| LIGHTING | (11) LED |

OPERATOR'S STATION

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|----------|---|
| 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 |
| 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 |

OTHER STANDARD EQUIPMENT

Alarm for reverse drive; Fuel suction strainer; Fire extinguisher
Pressurized water system; RemoteLog™ telematics system

OPTIONAL EQUIPMENT

Hydraulic winch; (6) High output LED, (9) Standard output LED
Cold weather kit; CB radio; Front and rear facing cameras

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