

## 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

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

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

|                  |   |
|------------------|---|
| 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)<br>(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

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

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

|               |   |
|---------------|---|
| SWING DRIVE   | Variable speed up to 6 rpm; 210° rotation; Double reduction, twin swing drive planetary gearboxes<br>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

|                 |   |
|-----------------|---|
| STANDARD        | Tigercat 1,76 m <sup>2</sup> (19 ft <sup>2</sup> )<br>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

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

## 635G SWING BOOM SKIDDER



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. WEIGHTS AND DIMENSIONS MAY VARY SUBJECT TO MACHINE OPTIONS AND CONFIGURATIONS. FOR THE MOST CURRENT SPECIFICATIONS PLEASE REFER TO THE TIGERCAT WEBSITE OR MOBILE APP.

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

© 2001 - 2019 Tigercat International Inc. All Rights Reserved. TIGERCAT, WIDERANGE, TURNAROUND, ER, EHS, LOW-WIDE, TEC, REMOTELOG and their respective logos, TOUGH RELIABLE PRODUCTIVE, TIGERCAT TV, "Tigercat Orange" and BETWEEN THE BRANCHES, as well as corporate and product identity, are trademarks of Tigercat International Inc., and may not be used without permission. TIGERCAT, TURNAROUND, WIDERANGE, EHS, LOW-WIDE and ER, and their respective logos are registered trademarks of Tigercat International Inc.