

Tigercat®

620D/630D/635D SKIDDERS



TURNaround

The Tigercat D-series are the world's most advanced, efficient skidders 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.

The new Turnaround™ seat with rear-facing drive control is a major advancement in ergonomics and operator comfort.

BENEFITS AND ADVANTAGES:

- **Powerful and efficient Cummins Tier III engine**
 - Automatic variable engine speed for high fuel efficiency
 - Operator controlled maximum speed setting
- **High capacity cooling system**
 - Automatic variable pitch fan for reduced fuel consumption
- **Enhanced hydrostatic drive system**
 - Extremely efficient driveline
 - Automatic variable engine speed for high fuel efficiency
 - Operator controlled maximum speed setting
- **Advanced electronic control system**
 - Enhanced for improved user interface and better fuel economy
 - Provides precise control of all machine functions
- **Standard equipped with 'Severe Forest Duty' (SFD) axles**
 - Suited to flotation or dual tire configurations
- **Designed and built for extreme duty**
 - Strength optimized frames; Strong centre section
- **Excellent service access**
 - Spacious engine enclosure
 - Tilt cab for access to pumps, motors and driveline
- **Quiet, climate controlled operator's station**
 - Two-position Turnaround™ seat with full rear-facing drive control
 - Joystick steering for improved ergonomics
 - Grapple and arch functions controlled by one joystick
 - Excellent visibility to the sides of the engine house
- **Large capacity Tigercat dual cylinder grapple options**
 - Choice of plate or box tongs
 - Widest tip-to-tip openings in each size class to quickly gather scattered bunches

SPECIFICATIONS 620D

630D

635D

DIMENSIONS with standard tires and arch

LENGTH.....	7 240 mm (285 in).....	7 495 mm (295 in).....	9 350 mm (368 in)
WHEELBASE.....	3 940 mm (155 in).....	4 190 mm (165 in).....	5 105 mm (201 in)
WIDTH.....	3 330 mm (131 in).....	3 330 mm (131 in).....	3 330 mm (131 in)
Narrow offset.....	3 020 mm (119 in).....	3 020 mm (119 in).....	3 125 mm (123 in)
HEIGHT.....	3 150 mm (124 in).....	3 150 mm (124 in).....	3 150 mm (124 in)
GROUND CLEARANCE.....	635 mm (25 in).....	635 mm (25 in).....	635 mm (25 in)
WEIGHT.....	16 895 kg (37,250 lb).....	16 895 kg (37,250 lb).....	21 430 kg (47,250 lb)

POWER

ENGINE.....	Cummins QSB6.7 Tier III 164 kW (220 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner	Cummins QSB6.7 Tier III 94 kW (260 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner	Cummins QSB6.7 Tier III, 194 kW (260 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner
TOP SPEED.....	19 km/h (12 mph).....	19 km/h (12 mph).....	14 km/h (9 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
FAN.....	Fixed pitch, blower	Flexxaire® variable pitch, reversing	Flexxaire® variable pitch, reversing
Optional.....	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)
Optional.....	585 L (155 US gal).....	585 L (155 US gal).....	585 L (155 US gal)

POWER TRAIN

TRANSMISSION.....	Single-speed mechanical.....	Single-speed mechanical.....	Single-speed mechanical; Variable speed hydrostatic;
Variable speed hydrostatic	Variable speed hydrostatic	Variable speed hydrostatic	Variable speed hydrostatic;
(2) variable displacement motors	(2) variable displacement motors	(2) variable displacement motors	(2) Piston motors, infinitely variable
AXLE, FRONT.....	Outboard planetary, extreme duty +/-15° oscillation	Outboard planetary, extreme duty +/-15° oscillation	Outboard planetary, extreme duty +/- 15 deg oscillation
AXLE, REAR.....	Outboard planetary, extreme duty.....	Outboard planetary, extreme duty.....	Tandem bogie; Outboard planetary
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.....	(2) 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)	(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
CYLINDERS, BLADE.....	(2) 90 mm (3.5 in) bore.....	(2) 90 mm (3.5 in) bore.....	(2) 90 mm (3.5 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.....	Wet disc; Spring applied/hydraulic release ...	Wet disc; Spring applied, hydraulic release.....	Spring applied, hydraulic release; wet disc type

TIRES

STANDARD.....	30.5Lx32,20.....	30.5Lx32,20.....	30.5Lx32,26 (front); 28Lx26,16 (rear)
OPTIONAL.....	30.5Lx32,26; 35.5x32,24; 73x44-32,16.....	30.5Lx32,26; 35.5x32,24; 73x44-32,16.....	Contact factory for optional configurations

ARCH

STANDARD.....	Single function, continuous rotate.....	Single function, continuous rotate.....	Dual function, high lift, continuous rotate
OPTIONAL.....	Dual function, continuous rotate.....	Dual function, continuous rotate.....	N/A

GRAPPLE

STANDARD.....	Tigercat 1,39 m ² (15 ft ²) 2-cylinder, plate or box tong	Tigercat 1,58 m ² (17 ft ²) 2-cylinder, plate or box tong	Tigercat 1,95 m ² (21 ft ²) 2-cylinder, plate or box tong
MAXIMUM OPENING.....	3 505 mm (138 in).....	3 630 mm (143 in).....	3 810 mm (150 in)
OPTIONAL.....	Tigercat 1,58 m ² (17 ft ²) 2-cylinder, plate or box tong	Tigercat 1,76 m ² (19 ft ²) 2-cylinder, plate or box tong	Tigercat 2,32 m ² (25 ft ²) 2-cylinder, plate or box tong
MAXIMUM OPENING.....	3 630 mm (143 in).....	3 710 mm (146 in).....	3 835 mm (151 in)

BLADE

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)

BLADE

ELECTRICAL

BATTERY.....	(2) 12 v.....	(2) 12 v.....	(2) 12 volt
ALTERNATOR.....	80 amp, 24 v.....	80 amp, 24 v.....	80 amp
SYSTEM VOLTAGE.....	24 v.....	24 v.....	24 v

OPERATOR CONTROLS

ARCH/GRAPPLE/BLADE.....	Joystick, electro/hydraulic IQAN	Joystick, electro/hydraulic IQAN	Joystick, electro/hydraulic IQAN
STEERING.....	Joystick, electro/hydraulic IQAN Optional..... Steering wheel (fixed seat)	Joystick, electro/hydraulic IQAN Steering wheel (fixed seat)	Joystick, electro/hydraulic IQAN Steering wheel (fixed seat)
DRIVE.....	Foot pedal, front and rear, electro/hydraulic IQAN with forward/reverse selector switch	Foot pedal, front and rear, electro/hydraulic IQAN with forward/reverse selector switc	Foot pedal, front and rear, electro/hydraulic IQAN with forward/reverse selector switch

OTHER STANDARD EQUIPMENT

Alarm for reverse drive; Fuel suction strainer
Fire extinguisher; Pressurized water system
Fenders

Alarm for reverse drive; Fuel suction strainer
Fire extinguisher; Pressurized water system
Fenders

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

OPTIONAL EQUIPMENT

Hydraulic winch; Cold weather kit
Halogen lighting package;
HID lighting package

Hydraulic winch; Halogen lighting package;
HID lighting package; Blade extensions
Cold weather kit

Hydraulic winch; Halogen lighting package;
HID lighting package; Blade extensions
Cold weather kit

OPERATOR'S STATION

CAB Insulated, pressurized and isolation mounted; Air conditioner/heater/defroster; (2) doors with sliding side windows and hinged screens
Forward sloping windshield; Machine monitoring system with LCD display; AM/FM digital stereo CD, CB radio

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

TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE



Clear sight line to the sides of the engine compartment



Turnaround™ provides full rear facing drive controls



Reducing neck strain when traveling in reverse or gathering a bunch



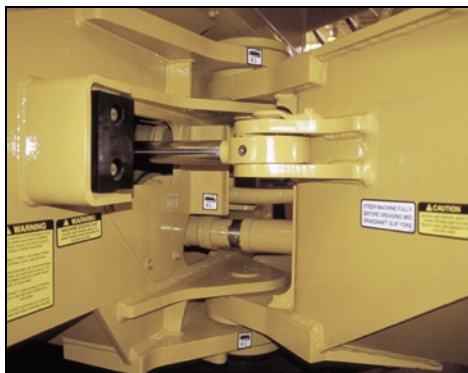
Easy access to both sides of the engine and all service points



Tilting cab to access pumps and driveline



Outboard planetary SFD (severe forest duty) axles are well guarded



Strong centre section with large pins and tapered roller bearings



High capacity dual cylinder grapple and grapples and high visibility arch

DIMENSIONS

TIGERCAT 620D SKIDDER



TIGERCAT 630D SKIDDER



TIGERCAT 635D SKIDDER

