

Tigercat®

610C/620C/E620C SKIDDERS



Tigercat skidders are well suited to most of the world's tree-length transporting applications, delivering wood to roadside at the lowest cost in a variety of terrain conditions, tree sizes and species.

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
- **Efficient, high performance hydrostatic drive system**
 - Excellent performance in steep and soft terrain conditions
 - Infinitely variable gear ratio; no gear shifting
- **Electronic computer control system**
 - Monitors engine operating parameters
 - Precise control of all machine functions
- **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**
 - High output heater/air conditioner with multiple vents
 - Seat rotated 40° for reduced neck strain
 - Grapple and arch functions controlled by one joystick
 - Excellent visibility to all four wheels
- **Large Tigercat dual cylinder grapple options**
 - Choice of plate or box tongs; wide tip-to-tip opening



High capacity dual cylinder Tigercat grapples with large tip-to-tip opening



Excellent visibility to the rear



Strong centre section with large pins and tapered roller bearings

SPECIFICATIONS 610C

620C

E620C

DIMENSIONS with standard tires, single function arch

LENGTH	6 605 mm (260 in)	7 090 mm (279 in)	7 365 mm (290 in)
WHEELBASE	3 785 mm (149 in)	3 860 mm (152 in)	4 065 mm (160 in)
WIDTH	2 920 mm (115 in)	3 225 mm (127 in)	3 225 mm (127 in)
Narrow offset	2 720 mm (107 in)	3 020 mm (119 in)	3 020 mm (119 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	14 290 kg (31,500 lb)	16 100 kg (35,500 lb)	16 555 kg (36,500 lb)

POWER

ENGINE	Cummins QSB6.7 Tier III, 142 kW (190 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner	Cummins QSB6.7 Tier III, 164 kW (220 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	22 km/h (14 mph)	22 km/h (14 mph)	22 km/h (14 mph)
COOLING	Side-by-side aluminum radiator, oil cooler, charge air cooler, 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 Optional: Flexxaire® variable pitch	Engine driven blower Flexxaire® variable pitch	Engine driven blower Flexxaire® variable pitch
FUEL CAPACITY usable	302 L (80 US gal) Optional: 455 L (120 US gal)	305 L (81 US gal) 585 L (155 US gal)	305 L (81 US gal) 585 L (155 US gal)

POWER TRAIN

TRANSMISSION	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
AXLE, FRONT	Outboard planetary, +/-15° oscillating Optional: N/A	Inboard planetary 1400 extreme duty, +/-15° oscillating 1400 SWEDA	Outboard planetary, extreme duty, +/-15° oscillation N/A
AXLE, REAR	Outboard planetary Optional: N/A	Inboard planetary 1400 extreme duty 1400 SWEDA	Outboard planetary, extreme duty N/A
DIFFERENTIAL LOCKS	Independent front and rear	Independent front and rear	Independent front and rear

HYDRAULIC SYSTEM

DRIVE PUMP	Piston	Piston	Piston
MAIN PUMP 1	Piston	Piston	Piston
MAIN PUMP 2	Gear for cooling	Gear for cooling, charge, axles	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) 90 mm (3.5 in) bore (single function) (4) 90 mm (3.5 in) bore (dual function)	(2) 115 mm (4.5 in) bore (single function) (4) 115 mm (4.5 in) bore (dual function)	(2) 115 mm (4.5 in) bore (single 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) 75 mm (3 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	Manual driveline disc brake	Wet disc; Spring applied, hydraulic release

TIRES

STANDARD	24.5 x 32 16PR	30.5L x 32 16PR	30.5L x 32 16PR
OPTIONAL	Up to 66 x 43 - 26 16PR	Up to 73 x 44 - 32 16PR	Up to 73 x 44 - 32 16PR

ARCH

STANDARD	Single function, continuous rotate	Single function, continuous rotate	Single function, continuous rotate
OPTIONAL	Dual function, continuous rotate	Dual function, continuous rotate	Dual function, continuous rotate

GRAPPLE

STANDARD	Tigercat 1,21 m ² (13 ft ²); 2-cylinder, plate or box tong	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
MAXIMUM OPENING	3 250 mm (128 in)	3 505 mm (138 in)	3 630 mm (143 in)
OPTIONAL	N/A	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
MAXIMUM OPENING	N/A	3 630 mm (143 in)	3 710 mm (146 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)

ELECTRICAL

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

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 air ride, fully adjustable with lumbar supports and armrests; Seat and all controls rotated 40° to the right		

OPERATOR CONTROLS

ARCH/GRAPPLE/BLADE	Electro/hydraulic IQAN	Electro/hydraulic IQAN	Electro/hydraulic IQAN
STEERING	Variable rate orbitrol Optional: Quick steer	Variable rate orbitrol Quick steer	Variable rate orbitrol Quick steer

OTHER STANDARD EQUIPMENT

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

OPTIONAL EQUIPMENT

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



Excellent machine balance for high performance in tough terrain



Spacious engine compartment



Clear sight line to the sides of the engine compartment

TIGERCAT 610C SKIDDER



TIGERCAT 620C SKIDDER



TIGERCAT E620C SKIDDER

