

Tigercat®

630C SKIDDER



The Tigercat 630C is designed to excel in the most demanding skidding applications, including tough terrain, heavy timber and extreme climates.

BENEFITS AND ADVANTAGES:

- **Powerful and efficient Cummins Tier III engine**
- **Enhanced hydrostatic drive system**
 - Automatic variable engine speed for high fuel efficiency
 - Operator controlled maximum speed setting
- **Electronic computer control system**
 - Monitors engine operating parameters
 - Built-in trouble shooting capabilities
 - Precise control of all machine functions
- **Designed and built for extreme duty**
 - Strength optimized frames; Strong center 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 the sides of the engine house and grapple area
- **Large Tigercat dual cylinder grapple options**
 - Choice of plate or box tongs; wide tip-to-tip opening



Clear line of site to rear tires, grapple and arch; high capacity Tigercat grapples



Spacious, ergonomic operators station with angles seat for improved comfort



Tilt-out hood enclosure for excellent access to both sides of the engine

SPECIFICATIONS

DIMENSIONS with 30.5 x 32 tires

LENGTH.....	7 140 mm (281 in)
WHEELBASE.....	4 040 mm (159 in)
WIDTH.....	3 225 mm (127 in)
Narrow offset.....	3 020 mm (119 in)
HEIGHT.....	3 150 mm (124 in)
GROUND CLEARANCE.....	635 mm (25 in)
WEIGHT.....	17 010 kg (37,500 lb)

POWER

ENGINE.....	Cummins QSC8.3 Tier III, 180 kW (250 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner
TOP SPEED.....	18 km/h (11 mph)
COOLING.....	Side-by-side cross-flow arrangement
FAN.....	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY usable.....	305 L (81 US gal)
Optional usable.....	550 L (145 US gal)

POWER TRAIN

TRANSMISSION.....	Single-speed mechanical Variable speed hydrostatic (2) variable displacement motors
AXLE, FRONT.....	Inboard planetary 1400 extreme duty, 15° oscillating
Optional.....	1400 SWEDA
AXLE, REAR.....	Inboard planetary 1400 extreme duty
Optional.....	1400 SWEDA
DIFFERENTIAL LOCKS.....	Independent front and rear

HYDRAULIC SYSTEM

DRIVE PUMP.....	Variable displacement axial piston
MAIN PUMP 1.....	Variable displacement axial piston
MAIN PUMP 2.....	Fixed displacement gear for cooling, charge, axles
FILTRATION.....	(3) spin-on, 7 micron full-flow
CYLINDERS, ARCH.....	(2) 115 mm (4.5 in) bore (single function) (4) 115 mm (4.5 in) bore (dual function)
CYLINDERS, STEER.....	(2) 95 mm (3.75 in) bore
CYLINDERS, BLADE.....	(2) 90 mm (3.5 in) bore
RESERVOIR.....	105 L (28 US gal)

BRAKES

DYNAMIC BRAKING.....	Hydrostatic
SECONDARY BRAKES.....	Enclosed, oil cooled
PARK BRAKE.....	Manual driveline disc brake

TIRES

STANDARD.....	30.5L x 32 20PR
OPTIONAL.....	Up to 73 x 44 - 32 16PR

ARCH

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

GRAPPLE

STANDARD.....	Tigercat 1,58 m ² (17 ft ²); 2-cylinder plate or box tong
MAXIMUM OPENING.....	3 630 mm (143 in)
OPTIONAL.....	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 blade extensions.....	2 920 mm (115 in)

ELECTRICAL

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

OPERATOR'S STATION

CAB.....	Insulated, pressurized and isolation mounted Air conditioner/heater/defroster (2) doors, sliding side windows with hinged screens Forward sloping windshield Machine monitoring system with display AM/FM digital stereo CD, CB radio
SEAT.....	Extreme duty, fully adjustable air ride with lumbar supports and armrests Seat and controls rotated 40° to the right
CONTROLS.....	Computer control for all machine functions Variable rate steering

OPERATOR CONTROLS

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

OTHER STANDARD EQUIPMENT

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

OPTIONAL EQUIPMENT

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

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

TIGERCAT 630C SKIDDER

SHOWN WITH DUAL FUNCTION ARCH



40 Consolidated Dr.
P.O. Box 544
Paris, Ontario
Canada, N3L 3T6

E-mail: comments@tigercat.com
Internet: www.tigercat.com
Tel: (519) 442-1000
Fax: (519) 442-1855

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