

TURNaround®

Tigercat's exclusive Turnaround seat provides full rear-facing machine control.

Drive comfortably and operate all machine functions with optimal visibility whether travelling blade-forward or in reverse.



Tigercat off road industrial products

The AD610C is designed to carry a variety of devices for off-road utility and industrial applications. The durable, reliable carrier can handle tough terrain and heavy duty cycles, easily accessing hard to reach job sites.

BENEFITS AND ADVANTAGES:

Powerful, efficient Tier 3 engine

- Automatic variable engine speed for high fuel efficiency
- Operator controlled maximum speed setting

Efficient hydrostatic drive system

- Extremely efficient driveline
- Excellent performance in adverse terrain

Advanced electronic control system

- Intuitive user interface; promotes excellent fuel economy
- Provides precise control of all machine functions

Designed and built for extreme off road duty

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

Excellent service access

- Clear access to the engine and all daily service points
- Tilt cab for access to pumps, motors and driveline

Turnaround equipped operator's station

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

Standalone hydraulic system for digger device

- Allows for increased oil capacity
- Option to run different oil for device versus base carrier
- Excellent visibility to the sides of the engine house

Drive comfortably and operate all functions with optimal visibility in either direction.



Front axle oscillation lock for added stability.



Easy access to hydraulic system and filters.



SPECIFICATIONS

DIMENSIONS with Terex commander 4047 digger derrick

LENGTH.....	11 963 mm (471 in)
WHEELBASE.....	5 226 mm (205 in)
WIDTH.....	3 250 mm (128 in)
HEIGHT.....	3 300 mm (130 in)
GROUND CLEARANCE.....	584 mm (23 in)
WEIGHT.....	20 780 kg (45,800 lb)

POWER

ENGINE	Cummins QSB6.7 Tier 3, 129 kW (173 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner
TOP SPEED	17,5 km/h (11 mph)
COOLING	Side-by-side aluminum radiator, oil cooler, charge air cooler, A/C condenser
FAN	Engine driven blower
Optional.....	Flexxaire® variable pitch
FUEL CAPACITY usable	240 L (60 US gal)

POWER TRAIN

TRANSMISSION.....	Single-speed mechanical Variable speed hydrostatic (2) variable displacement motors
Optional.....	EHS (efficient high speed) hydrostatic drive Single speed mechanical, variable speed hydrostatic (2) Piston motors, infinitely variable
AXLE, FRONT	SD, inboard planetary, 15° oscillating
AXLE, REAR	SD, inboard planetary, fixed
DIFFERENTIAL LOCKS	Independent front and rear

HYDRAULIC SYSTEM

DRIVE PUMP.....	Piston
PUMP, MAIN 1.....	Piston for all machine functions
PUMP, MAIN 2.....	Gear for cooling
FILTRATION	(2) spin-on, 7 micron full-flow
CYLINDER, FRONT AXLE LOCK	(1) 90 mm (3.5 in) bore
CYLINDERS, STEER	(2) 85 mm (3.25 in) bore
CYLINDERS, BLADE	(2) 75 mm (3 in) bore
RESERVOIR.....	105 L (28 US gal)

AUXILIARY HYDRAULIC SYSTEM

MOTOR.....	Piston
PUMP.....	Piston for all device functions
RESEVOIR.....	220 L (58 US gal)
FILTRATION	2 spin on, 7 micron full-flow

BRAKES

DYNAMIC BRAKING.....	Hydrostatic
SECONDARY BRAKES.....	Enclosed, oil cooled
PARK BRAKE.....	Caliper; Spring applied, hydraulic release

TIRES

STANDARD.....	30.5Lx32
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BLADE

WIDTH.....	285 mm (90 in)
with optional extensions.....	3 250 mm (128 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 with sliding side windows, hinged screens Forward sloping windshield Machine monitoring system with LCD display AM/FM digital stereo CD, CB radio
SEAT	Extreme duty Turnaround air ride 2-position mechanical lock, 100° rotating for rear-facing drive Fully adjustable height, seat back recline, lumbar support and armrests
OPERATOR CONTROLS	Electronic, joystick for blade/steering Electronic, foot pedal, front and rear with forward/reverse selector switch for drive IQAN MD3 colour display for machine monitoring and function adjustment

OTHER STANDARD EQUIPMENT

Alarm, reverse drive; Fuel suction strainer; Hydraulic winch, Fire extinguisher
Pressurized water system with hose; Front and rear flashers; Guarded rear safety beacon

OPTIONAL EQUIPMENT

Various aerial devices; Cold weather kit; Halogen lighting package
HID lighting package; Webasto heater; Booster cable group

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AD610C DIGGER DERRICK



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