



THE 890

The Tigercat 890 logger is designed to be the toughest, most rugged logging machine in the industry. Higher horsepower and solid Tigercat construction make it a productive, yet efficient machine for shovel logging, loading, and processing. High productivity, durability, and lower cost per tonne make the 890 far superior to excavator conversions.

BENEFITS AND ADVANTAGES:

Powerful, efficient Tigercat FPT engine

- Tier 2 or Tier 4 configurations available
- Simple reliable SCR emission control technology for Tier 4

Efficient, high-capacity cooling system

- Automatic variable fan speed for improved fuel efficiency
- Automatic reversing cycle to clean the heat exchangers

Smooth, quiet, twin swing drive system

- High swing torque and reduced gear tooth loads
- Large diameter, high capacity bearing
- Smooth and quiet swing operation

Dedicated, energy recovery swing system

- Closed loop drive feeds power back to the engine when swing decelerates, reducing fuel consumption and recovering energy for other machine functions
- Dedicated swing system enhances machine performance

Compartmentalized component arrangement

- Shields separate the engine from hydraulic pumps and valves

Excellent service access

- Power operated side engine door and overhead roof enclosure
- Full access to engine, major components and service points

Durable construction for extreme duty

- Heavy wall side bumpers and solid cast counterweight
- Upper assembly will not dent or deform from impacts

Tigercat F7-172 forest duty undercarriage

- Designed and built to withstand rigorous, full time, forest duty applications
- Long frames and wide stance carbody for excellent stability

Quiet, climate controlled operator's station

- Ergonomic cab with rear entry and generous storage space
- Full length front window and additional floor windows for clear sightline to the tracks
- High output climate control system with multiple vents

SERVICE ACCESS



Swing-out doors for filters and cooling system components.



The engine and hydraulic pumps are compartmentalized and accessible.



Longer 10 roller frame and wide stance carbody mean excellent stability and durability.



THERE IS PLENTY OF ROOM TO WORK IN THE ENGINE COMPARTMENT. CAB ENTRY IS EASY AND CONVENIENT. With a thoughtful layout, the engine compartment is arranged for optimal cooling airflow and easy access to components. Routing of wiring and hoses is tidy and organized.



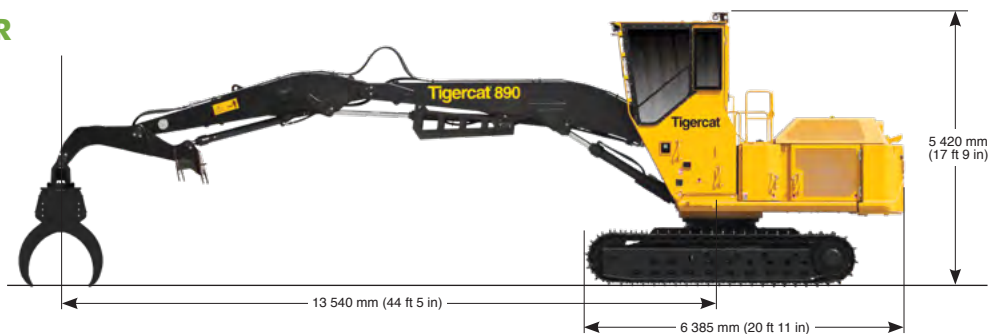
Power operated side door and roof enclosure; neat clean component layout.



EXCELLENT VISIBILITY AND A QUIET, COMFORTABLE OPERATOR ENVIRONMENT.

The 890 can be configured as a processor, loader or shovel logger.

890 LOGGER



TIGERCAT FPT ENGINE TECHNOLOGY

Tigercat FPT Tier 2 and Tier 4f engines offer quick load response, low operating costs and high power density, combined with excellent fuel economy.

The second-generation common rail fuel injection system provides top performance in the most demanding applications.

Tigercat FPT Tier 4f emission technology is simple and reliable. The Tier 4f configuration meets emission standards without complex add-on components. The key is the patented selective catalyst reduction (SCR) after-treatment system.

Tigercat FPT engines offer improved reliability and lower long-term maintenance costs – the clear power choice for forestry and off-road industrial applications.

TIGERCATPOWER.
TIGERCATSUPPORT.



890

DIMENSIONS

WIDTH with steps	3 630 mm (143 in)
SHIPPING HEIGHT	3 810 mm (150 in)
GROUND CLEARANCE	737 mm (29 in)
WEIGHT less attachment	47 900 kg (105,600 lb)
TAIL SWING RADIUS	3 685 mm (145 in)

POWER

ENGINE Tier 4f	Tigercat FPT C87 Tier 4f
▶ RATED	245 kW (330 hp) @ 2,000 rpm
▶ PEAK	245 kW (330 hp) @ 2,000 rpm
ENGINE Tier 2	Tigercat FPT N87 Tier 2
▶ RATED	245 kW (330 hp) @ 2,000 rpm
▶ PEAK	245 kW (330 hp) @ 2,000 rpm
AIR FILTRATION	Precleaner, 2-stage engine air cleaner
COOLING	Side-by-side aluminum radiator, oil cooler, charge air cooler and A/C condenser
▶ Optional	Removable intake debris screen
FAN	Hydraulic driven automatic variable speed, reversible
FUEL CAPACITY Tier 4f	1,150 L (304 US gal)
FUEL CAPACITY Tier 2	1,300 L (343 US gal)
DEF CAPACITY Tier 4f	135 L (36 US gal)

HYDRAULIC SYSTEM

PUMP, MAIN	Piston, load sensing
PUMP, SWING	Piston, closed loop, energy recovery
PUMP, ATTACHMENT	Piston, load sensing
PUMP, COOLING FAN	Gear
RESERVOIR	225 L (60 US gal)
FILTRATION	(5) Spin-on, 7 micron full flow (1) water absorbing
CYLINDERS, HOIST	(2) 170 mm (6.7 in) bore
CYLINDER, STICK	(2) 140 mm (5.5 in) bore
CYLINDER, LIVE HEEL	140 mm (5.5 in) bore
CYLINDER, TILT	120 mm (4.9 in) bore
HORSE POWER CONTROL	Electronic speed sensing

UNDERCARRIAGE

TRACK FRAMES	F7-172 heavy duty forestry Integral track guides, ramp angles
TRACK CHAIN	FH400 215 mm (8.5 in) pitch
FINAL DRIVE	(2) Axial piston motors Infinitely variable speed
TRACTIVE EFFORT	367 kN (82,300 lbf)
GEARBOX	Triple reduction planetary with brake
FRONT IDLER	Hydraulic track adjuster Spring shock absorber
SLIDES, UPPER	Replaceable, bolt-on
ROLLERS, LOWER	(10) FH400 single/double flange, excavator
TRACK SHOE	710 mm (28 in) double grouser, tall lug

TOP SPEED

LOW RANGE	2,3 km/h (1.4 mph)
HIGH RANGE	4,2 km/h (2.6 mph)

BRAKES

TRACK	Friction disc; Automatic spring applied, hydraulic release
SWING	Friction disc; Manual spring applied, hydraulic release

ROTATING UPPER

SWING DRIVE	6,4 rpm variable speed; 360° continuous rotation Double reduction, twin swing drive planetary gearboxes; Twin piston swing motors
SWING BEARING	1 565 mm (62 in) ball circle diameter
ENCLOSURE	Hydraulically operated roof and side engine enclosure with manual backup; Large air intake for cooling system; Vandal protection; Smooth exterior

BOOM SYSTEM POWER CLAM BUTT-N-TOP

MAXIMUM RADIUS	11 825 mm (466 in)
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BOOM SYSTEM LIVE HEEL

MAXIMUM RADIUS	13 540 (533 in)
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BOOM SYSTEM HARVESTER

MAXIMUM RADIUS	12 190 mm (480 in)
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OPERATOR'S STATION

CAB	Insulated and pressurized; A/C, heater and defroster Full length polycarbonate windshield Polycarbonate side, rear, door and floor windows AM/FM digital stereo with CD player Bluetooth® audio; Auxiliary and USB port (2) Power points
OPERATOR CONTROLS	Hydraulic proportional boom/travel/swing Electronic for horsepower/fan control Electric switch for swing brake/drive speed Electronic control system with colour LCD display screen interface for machine monitoring and function adjustment
SEAT	Full suspension air ride, fully adjustable, heated and cooled Armrest mounted Tigercat joysticks

ELECTRICAL

BATTERY	(2) 12 v
ALTERNATOR	110 amp, 24 v
SYSTEM VOLTAGE	24 v
LIGHTING	(12) High output LED; (5) LED service, engine enclosure

OTHER STANDARD EQUIPMENT

	Fuel suction strainer; Alarm for track movement Load ticket chute; RearVIEW camera system
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OPTIONAL EQUIPMENT

	Cold weather kit Heavy duty stick cylinder guard RemoteLog™ telematics system
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ALL ENGINE POWER VALUES ARE QUOTED AT NET POWER, AS PER SAE J1349
WEIGHTS AND DIMENSIONS MAY VARY SUBJECT TO MACHINE OPTIONS AND CONFIGURATIONS
TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

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