

THE 850 PROCESSOR

The Tigercat 850 is a purpose-built roadside processor delivering outstanding performance and impressive fuel economy. Combine the 850 processor with the Tigercat 568 harvesting head for a complete processing package far superior to excavator conversions.



BENEFITS AND ADVANTAGES:

Power system optimized for processing

- Powerful and efficient Tigercat FPT engine
- Efficient load sensing hydraulic system allows simultaneous machine and head functionality

High capacity swing system

- Dual swing drives provide ample torque and speed for high performance processing
- High torque starts and smooth stops
- Large diameter, high capacity bearing

Powerful, strength-to-weight optimized boom

- Designed specifically for processing and high stacking
- Robust, well-protected cylinders and large diameter pins

Wide-stance, forest duty undercarriage

- Long track frames for excellent stability during processing
- Designed and built by Tigercat for full forest duty

Superior operator visibility

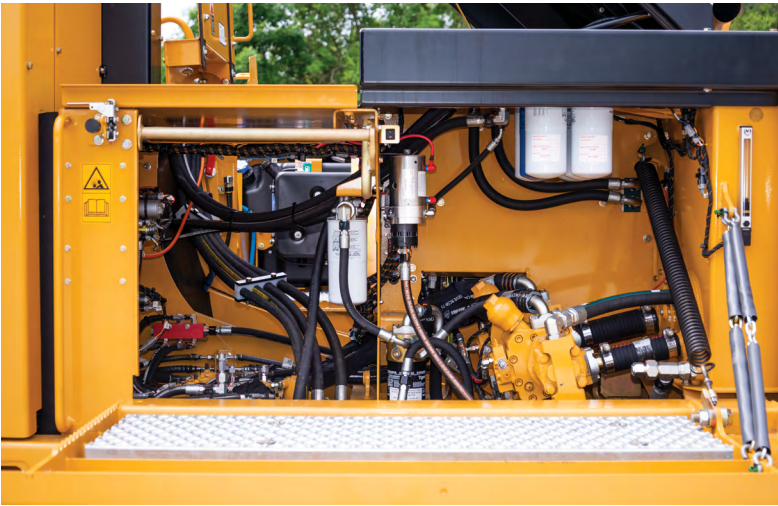
- Hooked boom design and large windows provide excellent visibility
- Integrated cab riser for added visibility

Excellent service access

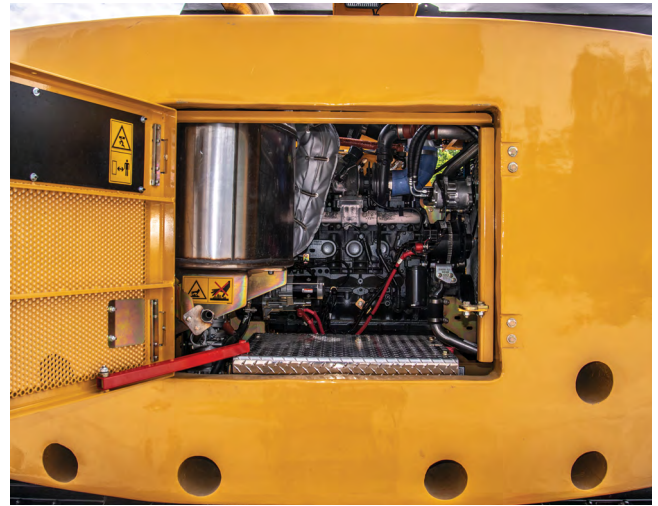
- Retracting roof enclosure and neat component arrangement
- Step down into centre of machine for easy access to engine and daily service points
- Large cast counterweight with door for additional access to the engine from the rear of the machine

High capacity cooling system

- Side-by-side coolers are generously sized for high production processing



Large enclosure doors with service platform for easy access to all service points.



Large cast counterweight with door for additional access to the engine from the rear of the machine.



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.

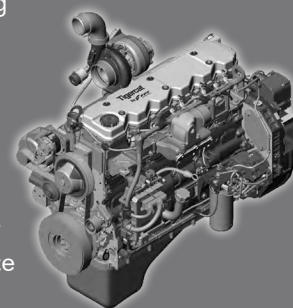
The second-generation common rail fuel injection system provides top performance in the most demanding applications.

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.

Tigercat
by **FPT**
POWERTRAIN TECHNOLOGIES



568 HARVESTING HEAD

PAIR THE 850 PROCESSOR WITH THE 568 HARVESTING HEAD FOR AN ALL-TIGERCAT ROADSIDE PROCESSING SOLUTION.



OPTIMIZED FOR EFFICIENCY

Optimized harvester head hydraulics and robust, high quality components maximize performance and efficiency. Tigercat harvesting heads are equipped with large diameter hoses and large capacity valves to match the greater hydraulic flow and power of Tigercat carriers.

OPERATOR'S STATION

- Clear view of the tracks with full-length front window
- Narrow side posts for improved visibility to each side
- Optimally positioned controls and large touch screen display
- Excellent right-side visibility
- Quiet and spacious operating environment
- Auxiliary input port, Bluetooth® audio, hands free calling and Sirius ready (North America only)
- rearVIEW camera equipped



850

DIMENSIONS with standard track shoe

WIDTH	3 429 mm (135 in)
SHIPPING HEIGHT	3 710 mm (146 in)
GROUND CLEARANCE	686 mm (27 in)
WEIGHT less attachment	31 025 kg (68,400 lb)
TAIL SWING RADIUS	3 150 mm (124 in)

POWER

ENGINE Tier 2 and Tier 4f	Tigercat FPT N67
► RATED	159 kW (213 hp) @ 2,100 rpm
► PEAK	165 kW (221 hp) @ 1,900 rpm
AIR FILTRATION	Precleaner, 2-stage engine air cleaner
COOLING	Side-by-side aluminum radiator, oil cooler, charge air cooler and A/C condenser
FAN	Engine driven
► Optional	Hydraulic driven automatic variable speed, reversible
FUEL CAPACITY usable	600 L (158 US gal)
DEF CAPACITY Tier 4f	46 L (12 US gal)

HYDRAULIC SYSTEM

PUMP, MAIN 1	Piston, load sensing
PUMP, MAIN 2	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) 120 mm (4.7 in) bore
CYLINDER, STICK	130 mm (5.1 in) bore
HORSEPOWER CONTROL	Electronic speed sensing

UNDERCARRIAGE

TRACK FRAMES	F6-152 heavy duty forestry; Integral track guide
TRACK CHAIN	F8/D6D 203 mm (8 in) pitch
FINAL DRIVE	(2) Axial piston motors; Infinitely variable speed
GEARBOX	Triple reduction planetary with brake
FRONT IDLER	Hydraulic track adjuster; Spring shock absorber
ROLLERS, UPPER	(2) D6 excavator type
SLIDES, UPPER	Optional, bolt-on
ROLLERS, LOWER	(9) D6 excavator type
TRACK SHOE	610 mm (24 in) single grouser/double grouser
► Optional	710 mm (28 in) double grouser 760 mm (30 in) double grouser tri-track/triple grouser 915 mm (36 in) triple grouser/triple grouser tri-track

TOP SPEED

LOW RANGE	2,5 km/h (1.6 mph)
HIGH RANGE	4,5 km/h (2.8 mph)

BRAKES

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

ROTATING UPPER

SWING DRIVE	8 rpm variable speed; 360° continuous rotation Double reduction, twin swing drive planetary gearboxes; Twin piston swing motors
SWING BEARING	1 190 mm (47 in) ball circle diameter
ENCLOSURE	Spring assist roof and side platform; Large swing-out door for cooling system; Rear swing-out door

BOOM SYSTEM

MAXIMUM RADIUS	9 325 mm (367 in)
BARE PIN LIFT (full reach)	5 035 kg (11,100 lb)

ELECTRICAL

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

OPERATOR'S STATION

CAB	Insulated, pressurized and isolation mounted A/C, heater, defroster; rearVIEW camera system Full length polycarbonate windshield/entry door Polycarbonate right and left side windows; One-piece polycarbonate side door window with steel guarded upper sliding section for ventilation; AM/FM digital stereo and auxiliary input port; Bluetooth® audio and hands-free calling; (2) Power points LogOn™ telematics system
OPERATOR CONTROLS	Hydraulic proportional for boom/travel/swing Electronic for horsepower/fan control Electric switch for swing brake Electronic control system with colour LCD display screen interface for machine monitoring and function adjustment
SEAT	Full suspension air ride, fully adjustable Armrest mounted Tigercat joysticks

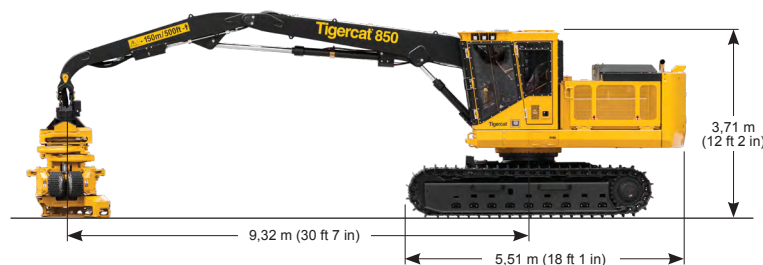
OTHER STANDARD EQUIPMENT

	Fuel suction strainer; Alarm for track movement Electric hydraulic oil fill pump Hydraulic tank vacuum system
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OPTIONAL EQUIPMENT

	Cold weather kit; RemoteLog™ telematics system
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ALL ENGINE POWER VALUES ARE QUOTED AT NET POWER, AS PER SAE J1349.
TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE.
WEIGHTS AND DIMENSIONS MAY VARY SUBJECT TO MACHINE OPTIONS AND CONFIGURATIONS.
FOR THE MOST CURRENT SPECIFICATIONS PLEASE REFER TO THE TIGERCAT WEBSITE OR MOBILE APP.

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