



The Tigercat H855D series harvesters are durable, reliable and efficient. The carriers are designed for high performance harvesting, at-the-stump processing and roadside processing duties.

BENEFITS AND ADVANTAGES:

Powerful, efficient Tigercat FPT engine

- Simple, reliable SCR emission control technology for Tier 4f

Efficient high-capacity cooling system

- Automatic variable fan speed for improved fuel efficiency
- Automatic reversing cycle to clean the heat exchangers
- Rear cooling air intake, well away from saw discharge area

Twin swing drives for powerful swing torque

- Reduced pinion loads for extended swing system life

ER boom technology

- Higher performance and efficiency
- ER control switch provides a boost for extra stick force
- Quicker boom cycles and reduced operator fatigue

Excellent service access

- Power operated clamshell style engine enclosure
- Easy access to all sides of the engine
- Excellent access to major components, daily service points

Tigercat-built forestry undercarriages

- Long frames and wide stance carbody for excellent stability

Super-duty leveling system

- Large pins and roller bearings eliminate wear in pivot joints
- Frames are built with thick steel sections to minimize flex
- Field-proven in over 1,000,000 hours of operation

Separate compartments for engine and hydraulic components

- Shields separate engine from hydraulic pumps and valves

Quiet, climate controlled operator's station

- Industry leading cab with front and side doors
- Full length front window for a clear view of the tracks
- High output heater/air conditioner with multiple vents
- Extreme duty air-ride suspension seat

Durable upper turntable frame construction

- One piece 32 mm (1.25 in) thick turntable base plate
- Upper assembly will not dent or deform from impacts

SPECIFICATIONS

H855D

LH855D

DIMENSIONS with 610 mm (24 in) single grouser shoes

WIDTH	3 380 mm (133 in)
LENGTH less boom	5 380 mm (212 in)
HEIGHT less skylight	3 290 mm (130 in)
GROUND CLEARANCE	710 mm (28 in)
WEIGHT less attachment	27 600 kg (60,900 lb)
TAIL SWING over side	1 385 mm (54 in)

3 430 mm (135 in)
5280 mm (208 in)
3 710 mm (146 in)
710 mm (28 in)
35 600 kg (78,490 lb)
1 360 mm (54 in)

POWER

ENGINE	Tigercat FPT N67 Tier 4f, 210 kW (282 hp) @ 2,200 rpm Precleaner and 2-stage engine air cleaner
COOLING	Aluminum side by side radiator, oil cooler and charge air cooler Removable intake debris screen
FAN	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY	800 L (210 US gal)
DEF CAPACITY	80 L (21 US gal)

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HYDRAULIC SYSTEM

PUMP, MAIN	Piston
PUMP, HARVESTER	Piston
PUMP, COOLING FAN	Piston
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
CYLINDERS, STICK	(2) 120 mm (4.7 in) bore
CYLINDERS, LEVELING	N/A
HORSE POWER CONTROL	Electronic speed sensing; All-speed antistall

Piston
Piston
Piston
225 L (60 US gal)
(5) Spin-on, 7 micron full flow; (1) Water absorbing
(2) 120 mm (4.7 in) bore
(2) 120 mm (4.7 in) bore
(2) 180 mm (7 in) bore
Electronic speed sensing; All-speed antistall

UNDERCARRIAGE

TRACK FRAMES	F6-140 heavy-duty forestry Integral track guides/ramp angles
TRACK CHAIN	F8 203 mm (8 in) pitch sealed and greased
FINAL DRIVE	(2) piston motors with brake valves; Infinitely variable speed
TRACTIVE EFFORT	262 kN (59,000 lbf)
GEARBOX	Triple reduction planetary type with brake
FRONT IDLER	Hydraulic track adjuster; Spring shock absorber
ROLLERS, UPPER	(2) D6D excavator type
SLIDES, UPPER	Optional, bolt-on
ROLLERS, LOWER	(9) D6 single/double flange excavator type
TRACK SHOE	610 mm (24 in) single/double grouser
Optional	710 mm (28 in) single grouser tri-track 760 mm (30 in) double grouser tri-track 915 mm (36 in) triple grouser tri-track
LEVELING	N/A

R7-150L-2 super-duty forestry leveling Integral track guides/ramp angles
FH400 215 mm (8.5 in) pitch
(2) piston motors with brake valves; Infinitely variable speed
367 kN (82,600 lbf)
Triple reduction planetary type with brake
Hydraulic track adjuster; Spring shock absorber
N/A
Bolt-on
(9) FH400 excavator type
610 mm (24 in) single grouser
710 mm (28 in) single grouser
20° forward; 6° rear; +/-17° side

BRAKES

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

Friction disc; Automatic spring applied, hydraulic release
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	Perforated plate on doors for ventilation; Hydraulic operated engine enclosure with manual back-up Vandal protection; Smooth exterior; Rear air intake for cooling

ELECTRICAL

BATTERY	(2) AGM, 12 v	(2) AGM, 12 v
ALTERNATOR	140 amp, 24 v	140 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v
LIGHTING	(7) HID, (3) LED; (5) LED service lights	(7) HID, (3) LED; (5) LED service lights

OPERATOR'S STATION

CAB	Insulated, pressurized and isolation mounted; A/C, heater, defroster with side-mount controls Full length polycarbonate windshield/entry door; Polycarbonate right-side and rear windows One-piece polycarbonate side door window with steel guarded tempered glass upper sliding section for ventilation Skylight or flat hatch; AM/FM digital stereo with CD player; (2) power points
CONTROLS	Hydraulic proportional for boom/travel/swing/rotate with electronic travel speed control limiter; Electronic for leveling; Electric switch for swing brake, ER and telescopic stick; Electronic control system with colour LCD display screen for machine monitoring and function adjustment
SEAT	Full suspension air ride, fully adjustable, angled mounting; Armrest mounted Tigercat joysticks

OTHER STANDARD EQUIPMENT

Fuel suction strainer; Alarm for track movement	Fuel suction strainer; Alarm for track movement
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OPTIONAL EQUIPMENT

Counterweight kit; Cold weather kit; Bolt-on tool box R6-152, R7-150EXP (extended pedestal) undercarriages	Cold weather kit; Bolt-on tool box
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HARVESTING HEAD

Flexible hydraulic system to accept various harvesting heads	Flexible hydraulic system to accept various harvesting heads
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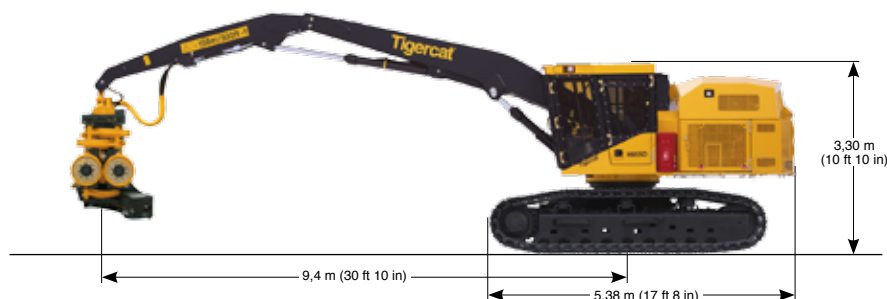
SPECIFICATIONS

ER BOOM SYSTEM

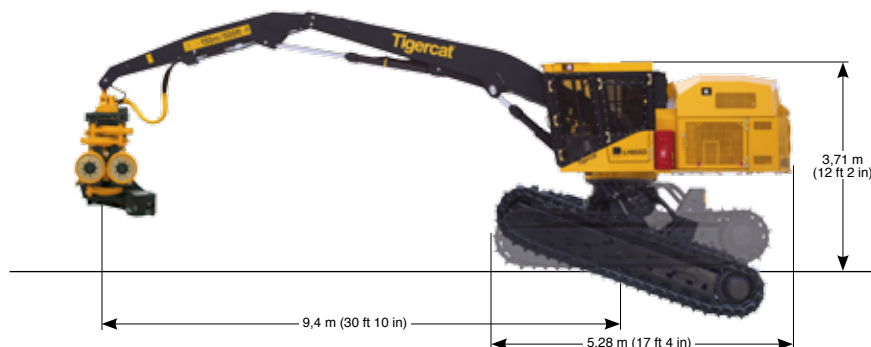
	STANDARD	WITH TIP ADAPTER	TELESCOPIC
MAXIMUM CUT RADIUS	9 400 mm (370 in)	9 850 mm (388 in)	11 930 mm (470 in)
MINIMUM CUT RADIUS	3 810 mm (150 in)	3 580 mm (141 in)	4 110 mm (162 in)
BARE PIN LIFT, full reach	5 360 kg (11,800 lb)	4 540 kg (10,000 lb)	2 270 kg (5,000 lb)

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

H855D HARVESTER



LH855D HARVESTER



High speed, high performance, high efficiency. Tigercat's patented ER technology allows the machine operator to extend and retract the boom on a horizontal plane smoothly and quickly using a single joystick. But the benefit goes beyond reducing operator fatigue.

Key to ER technology is reduced energy consumption. The ER system transfers energy back and forth between the main and the stick boom functions, reducing the total energy required to move the boom system. This reduces demands for power, pump flow and system cooling. The result is increased productivity and reduced fuel consumption per unit of production.



Tigercat FPT emission technology is simple and reliable, meeting Tier 4 emission standards without the complexities of a variable geometry turbocharger, EGR system, intake throttle body or diesel particulate filter. The key is the patented selective catalyst reduction (SCR) system. Tigercat FPT engines offer improved reliability and lower long-term maintenance costs.

TIGERCATPOWER.
TIGERCATSUPPORT.



Clamshell style retracting roof enclosure and neat, compartmentalized component arrangement. Large swing-out door for clear access to both sides of the engine and all daily service points. Separate compartment with swing-down cover to access the pumps.



Extreme duty leveling system. Thick steel plate, massive cylinders and tapered roller bearings. Unique geometry improves machine stability on sloping terrain.

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