



The H845D series harvesters are quick, versatile, all-around machines well suited to a variety of harvesting and processing applications. The telescopic ER boom option reduces machine travel and is an asset in sensitive sites and soft soil conditions.

BENEFITS AND ADVANTAGES:

Powerful, efficient, reliable Tigercat FPT engine

- Tier 2 or Tier 4f configurations
- 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 is well away from saw discharge

ER boom technology unique to Tigercat

- Increases productivity, performance and fuel efficiency
- Smooth planar boom motion reduces operator fatigue
- ER control switch provides a boost for extra stick force
- Structural parts are well proven in high cycle applications

Quiet, climate controlled operator's station

- 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
- Generous storage space behind the seat

Tigercat-built forest duty undercarriages

- Long track frames for excellent stability on slopes

Super-duty leveling system

- Large pins, 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

Highly durable design and construction

- Solid steel one-piece turntable and smooth, impact resistant engine enclosure

Excellent service and component access

- Clamshell style retracting roof for excellent access to the engine, major components and service points
- The pumps and filters are housed in a separate, easily accessed compartment
- Large clean-outs underneath

SPECIFICATIONS

H845D

LH845D

DIMENSIONS with standard grouser shoes

WIDTH with steps	3 435 mm (135 in)	3 275 mm (129 in)
LENGTH less boom	4 900 mm (193 in)	4 900 mm (193 in)
HEIGHT less skylight	3 360 mm (132 in)	3 760 mm (148 in)
GROUND CLEARANCE	685 mm (27 in)	685 mm (27 in)
WEIGHT less head, boom adapter	27 000 kg (59,500 lb)	31 300 kg (69,000 lb)
TAIL SWING over side	1 020 mm (40 in)	1 090 mm (43 in)

POWER

ENGINE Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f
RATED	210 kW (282 hp) @ 2,200 rpm	210 kW (282 hp) @ 2,200 rpm
PEAK	210 kW (282 hp) @ 2,200 rpm	210 kW (282 hp) @ 2,200 rpm
ENGINE Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2
RATED	205 kW (275 hp) @ 2,100 rpm	205 kW (275 hp) @ 2,100 rpm
PEAK	210 kW (282 hp) @ 2,000 rpm	210 kW (282 hp) @ 2,000 rpm
AIR FILTRATION	Precleaner and 2-stage engine air cleaner	Precleaner and 2-stage engine air cleaner
COOLING	Aluminum side-by-side radiator, oil cooler and charge air cooler Removable intake debris screen	Aluminum side-by-side radiator, oil cooler and charge air cooler Removable intake debris screen
FAN	Hydraulically driven, automatic variable speed, reversible	Hydraulically driven, automatic variable speed, reversible
FUEL CAPACITY	800 L (210 US gal)	800 L (210 US gal)
DEF CAPACITY	80 L (21 US gal)	80 L (21 US gal)

HYDRAULIC SYSTEM

MAIN PUMP	Piston	Piston
HARVESTER PUMP	Piston	Piston
COOLING FAN PUMP	Piston	Piston
RESERVOIR	190 L (50 US gal)	190 L (50 US gal)
FILTRATION	(5) Spin-on, 7 micron full flow; (1) Water absorbing	(5) Spin-on, 7 micron full flow; (1) Water absorbing
CYLINDER, HOIST	130 mm (5.2 in) bore	130 mm (5.2 in) bore
CYLINDERS, STICK/ER	(2) 110 mm (4.3 in) bore	(2) 110 mm (4.3 in) bore
CYLINDER, TELESCOPIC optional	70 mm (2.75 in) bore	70 mm (2.75 in) bore
CYLINDERS, LEVELING	N/A	(2) 180 mm (7 in) bore
HORSE POWER CONTROL	Electronic speed sensing; All-speed antistall	Electronic speed sensing; All-speed antistall

UNDERCARRIAGE

TRACK FRAMES	R6-140-3 heavy-duty forestry Integral track guides and ramp angles	R6-152L heavy-duty leveling Integral track guides and ramp angles
TRACK CHAIN	F8/D6D 203 mm (8 in) pitch sealed and greased	F8/D6D 203 mm (8 in) pitch sealed and greased
FINAL DRIVE	(2) axial piston motors; Infinitely variable speed	(2) axial piston motors; Infinitely variable speed
TRACTIVE EFFORT	262 kN (59,000 lbf)	293 kN (66,000 lbf)
GEARBOX	Triple reduction planetary type with brake	Triple reduction planetary type with brake
FRONT IDLER	Hydraulic track adjuster; Spring shock absorber	Hydraulic track adjuster; Spring shock absorber
SLIDES, UPPER	Replaceable, bolt-on; Optional rollers	Replaceable, bolt-on
ROLLERS, LOWER	(9) D6 single and double flange tractor type	(9) D6 single and double flange tractor type
TRACK SHOE	610 mm (24 in) single/double grouser tri-track	710 mm (28 in) single grouser tri-track
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 N/A	N/A
LEVELING		20° forward; 6° rear; +/-17° side

TOP SPEED

LOW RANGE	1,9 km/h (1.2 mph)	1,9 km/h (1.2 mph)
HIGH RANGE	4,2 km/h (2.6 mph)	4,2 km/h (2.6 mph)

BRAKES

TRACK	Friction disc, automatic spring applied, hydraulic release	Friction disc, automatic spring applied, hydraulic release
SWING	Friction disc, manual spring applied, hydraulic release	Friction disc, manual spring applied, hydraulic release

ROTATING UPPER

SWING DRIVE	7 rpm variable speed; 360° continuous rotation Double reduction, swing drive planetary gearbox with brake Piston swing motor	7 rpm variable speed; 360° continuous rotation Double reduction, swing drive planetary gearbox with brake Piston swing motor
SWING BEARING ENCLOSURE	1 190 mm (47 in) ball circle diameter Hydraulically operated, retracting roof Hinged access doors for engine and pump stack Rear air intake for cooling system and engine	1 190 mm (47 in) ball circle diameter Hydraulically operated, retracting roof Hinged access doors for engine and pump stack Rear air intake for cooling system and engine

ER BOOM SYSTEM 2-piece for heads up to 2 800 kg (6,200 lb)

MAXIMUM CUT RADIUS	8 660 mm (341 in)	8 660 mm (341 in)
MINIMUM CUT RADIUS	2 555 mm (100 in)	2 555 mm (100 in)
BARE PIN LIFT full reach	3 465 kg (7,640 lb)	3 465 kg (7,640 lb)

ER BOOM SYSTEM telescopic for heads up to 1 600 kg (3,500 lb)

MAXIMUM CUT RADIUS	10 850 mm (427 in)	10 850 mm (427 in)
MINIMUM CUT RADIUS	2 590 mm (102 in)	2 590 mm (102 in)
BARE PIN LIFT full reach	2 665 kg (5,870 lb)	2 665 kg (5,870 lb)

SPECIFICATIONS

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ELECTRICAL

BATTERY	(2) 12 v	(2) 12 v
ALTERNATOR	110 amp, 24 v	110 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v
LIGHTING	(9) Halogen; (3) Service lights, engine enclosure	(9) Halogen; (3) Service lights, engine enclosure
Optional	(7) HID; (1) Halogen; (3) Service lights, engine enclosure	(7) HID; (1) Halogen; (3) Service lights, engine enclosure

OPERATOR'S STATION

CAB	Insulated, pressurized and isolation mounted A/C, heater, defroster with side-mount controls; Skylight or flat hatch 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 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/telescopic stick; Electric switch for ER; IQAN MD3 colour display for machine monitoring and function adjustment	
SEAT	Full suspension air ride, fully adjustable with angled mounting; Armrest mounted Tigercat joystick	

OTHER STANDARD EQUIPMENT

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

Cold weather kit; Counter weights; R7-150L-2 undercarriage	Cold weather kit; Counter weights
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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

H845D HARVESTER

SHOWN WITH STANDARD 2-PIECE BOOM



LH845D HARVESTER

SHOWN WITH 845H36ERT TELESCOPIC BOOM



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.

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.





Painless maintenance routines. Excellent access to both sides of the engine and all daily service points through the swing-out doors. Hydraulic pumps are housed in a compartment separate from the engine.



Clamshell-style engine enclosure for full, easy access to all major components including the engine, cooling system and valves. Neat hose and electrical routings.



Tight-tuck boom geometry and excellent sight lines to the right side.



Long track frames and wide stance carbody for excellent balance and stability on slopes.

Heavy duty leveling system constructed with thick steel plate, large pins and cylinders and tapered roller bearings.



Telescopic boom option for thicker brush mat and extremely low site disturbance in soft terrain.

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