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

### Dimensions
- **Width with steps**
  - 3 435 mm (135 in)
  - 3 275 mm (129 in)
- **Height less skylight**
  - 3 660 mm (144 in)
  - 3 660 mm (144 in)
- **Weight less head, boom adapter**
  - 27 000 kg (59,500 lb)
  - 31 300 kg (69,000 lb)

### Power
- **Engine Tier 4f**
  - Rated: 210 kW (282 hp) @ 2,200 rpm
  - Peak: 210 kW (282 hp) @ 2,200 rpm
- **Engine Tier 2**
  - Rated: 205 kW (275 hp) @ 2,100 rpm
  - Peak: 210 kW (282 hp) @ 2,000 rpm

### Hydraulic System
- **Main Pump**
  - Piston
- **Harvester Pump**
  - Piston
- **Cooling Fan Pump**
  - Piston
- **Reservoir**
  - 190 L (50 US gal)

### Undercarrige
- **Track Frames**
  - R6-140-3 heavy-duty forestry
  - R6-152L heavy-duty leveling
- **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
- **Traction Effort**
  - 262 kN (59,000 lbf)
  - 293 kN (66,000 lbf)
- **Gearbox**
  - Triple reduction planetary type with brake
  - Triple reduction planetary type with brake

### 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
  - 7 rpm variable speed; 360° continuous rotation
- **Swing Bearing**
  - Hydraulically operated, retracting roof
  - Hydraulically operated, retracting roof

### ER Boom System
- **2-piece for heads up to 2 800 kg (6,200 lb)**
  - Maximum Cut Radius: 8 660 mm (341 in)
  - Minimum Cut Radius: 2 555 mm (100 in)
  - Bare Pin Lift full reach: 3 465 kg (7,640 lb)
- **Telescopic for heads up to 1 600 kg (3,500 lb)**
  - Maximum Cut Radius: 10 850 mm (427 in)
  - Minimum Cut Radius: 2 590 mm (102 in)
  - Bare Pin Lift full reach: 2 665 kg (5,870 lb)
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.
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.

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.

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.

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