

# KOMATSU®

## XT430-2

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### PEAK HORSEPOWER

300 HP @ 2000rpm  
224 kW @ 2000rpm

### OPERATING WEIGHT

from 61,035 lb  
from 27 685 kg



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT



XT430-2

## OVERVIEW

XT430-2



Photos may include optional equipment

**PEAK HORSEPOWER**  
300 HP @ 2000rpm  
224 kW @ 2000rpm

**OPERATING WEIGHT**  
from 61,035 lb  
from 27 685 kg

### Low Emission Engine

A powerful Cummins 300hp Tier 3 engine delivers excellent hydraulic performance. An auto-reversing fan helps keep the radiator free of debris. An auxiliary hydraulic oil cooler with temperature controlled fan cools only when needed saving horsepower and fuel.

### Superior Ergonomics

A well equipped, comfortable cab is designed for efficiency. Controls are positioned to minimize operator fatigue. Large tinted windows provide a commanding view of the work area. Non-glare surfaces eliminate eye strain and keep the operator fresh during long shifts.

### Closed Loop Track Drive With Dedicated Pumps

Nothing performs like Komatsu's closed loop track drive design. The XT430-2 can simultaneously travel, reach, cut, and swing without compromising power between travel and work tools.

### Komatsu Undercarriage Components

- Large Komatsu final drives
- Komatsu 8.5" (216 mm) pitch grease sealed track
- Integrated welded roller guards with track shoe supports
- Large track roller debris openings

### Digital Control System

Easy-to-use IQAN digital control system provides smooth machine performance for felling or harvesting configurations.

Built-in machine protection systems have active self diagnostics and troubleshooting capability. Joy stick controls are adjustable and programmable allowing operators the flexibility to fine tune their own response characteristics.

### Versatile Application Flexibility

- 8 hydraulic system options
- 2 boom options
- 4 arm options

### Easy Maintenance

- Remote mounted engine oil filter
- 24V hydraulic system refill pump
- Optional 24V vacuum pump prevents spilling oil while performing hydraulic system maintenance
- Equipped with engine monitoring system
- Swing out doors for good component access

### Exceptional Maneuverability

Nothing matches the XT430's maneuverability and ability to work in tight areas. Komatsu's setback boom allows the operator to cut closer to the tracks. Multiple boom and arm options provide a wide cutting swath. Zero tail swing design and closed loop independent track drive make this machine easy to get around in dense forest conditions.





## Hydraulic System

All Komatsu XT machines have a load sense, pressure-compensated hydraulic systems for better efficiency, smooth operation, and cooler running hydraulic system.



Large 100 gal. (379 liters) capacity hydraulic oil tank keeps return oil cool, internal baffles help minimize aeration.

Three separate return filters ensure clean oil and prevent high back pressures in the

pump and motor case drains.

All pumps have individual suction lines with strainers located in different areas of the reservoir to prevent cavitation problems that can result when all suction lines originate from one manifold. This design allows oil pick-up on steep slopes.



8 hydraulic systems give the XT430-2 tremendous flexibility to pin on a wide range of cutting attachments.

An optional pump drive cooler helps prolong hydraulic pump drive gear box life.

24V hydraulic refill pump is standard equipment.

Optional 24V vacuum pump helps prevent oil spills and keep machine clean, when changing hoses or servicing the hydraulic system.

## Closed Loop Track Drive

Nothing performs like Komatsu's closed loop track drive system. The XT430-2 can simultaneously travel,

reach, cut, and swing without compromising power between travel and work tools.

Separate track drive pumps assure travel power is always available regardless of other functions being used.



## Operator Environment

Large quiet ROPS/FOPS/TOPS/FOG/OPS certified cab has 3 escape windows and an adjustable high back operator seat with 3" (76mm) seatbelt.

High capacity heater and A/C provide comfortable operator climate regardless of season.

Travel pedals located for comfort and good visibility.

Thick ¾" (19mm) polycarbonate front window with 1¼" (32mm) option available.

IQAN control provides ability to custom tune vehicle response to meet individual operator skills.

Optional large skylight provides improved upward vision for a better view of tree tops.



Optional KAB seat shown

## SERVICE ACCESS

Engine oil filter, fuel filters and water separator located for easy service access.

Daily engine service points, batteries, fuel filters, and cold weather starting options are all located behind a large perforated swing-out door that completely exposes the left side of the engine. Standard service light provides illumination when servicing at night.

Major oil lines out of hydraulic tank have quick shut off valves.

The pump drive and all hydraulic pumps are easily reached through a large swing-out door. There is plenty of room to work in this compartment, even with larger tools. All hydraulic pressure checkpoints are found in one area for convenience.

The control valve and all hoses to the boom are fully exposed under a large swing-out guard. Hose routing is "clean" and in full view. All connections are easy to reach and service.

Large swing out hydraulic oil cooler with on demand thermostatically controlled fan offers easy service access and keeps oil cool in the toughest of conditions.

A large hood with gas struts provides access to the carbody area with a lockable tool box and ample storage.

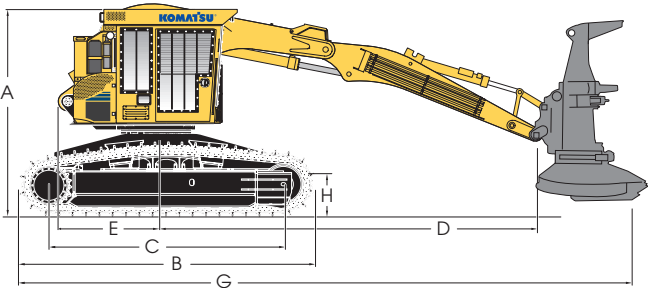
Ground level fuel tank access provides easy and convenient refueling.



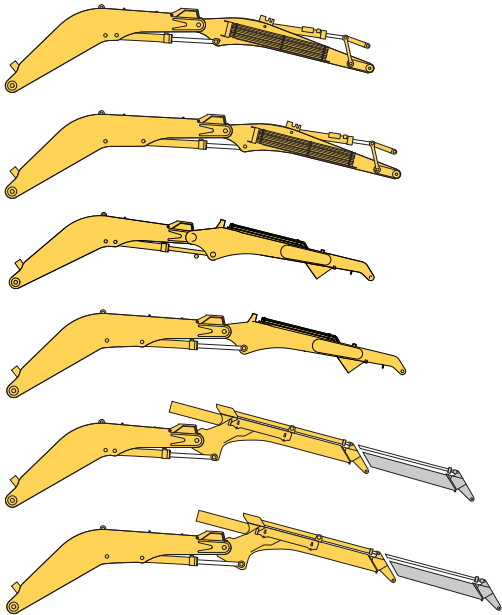
Dimensions

- A Height. . . . . 11'10" . . . 3595 mm
- B Overall track length. . . . . 16'1" . . . 4915 mm
- C Track length (Idler center to sprocket center) . . 12'9" . . . 3875 mm
- D Max boom - center of swing to pin. . . . . 21'5" . . . 6530 mm
- E Tail swing radius . . . . . 5'7" . . . 1690 mm
- F Ground clearance. . . . . 29" . . . 730 mm
- G Max reach to teeth of typical saw head . . 26'10" . . . 8180 mm
- Overall track width
  - w/24" 600 mm shoe. . . . . 10'4" . . . 3140 mm
  - w/28" 700 mm shoe. . . . . 10'8" . . . 3240 mm
- Track gauge. . . . . 8'4" . . . 2540 mm

\*To outer most structure.



Boom Options (Reach to pin, Ground Level)



Standard Boom - 4-Bar Arm		
Minimum	Swath	Maximum
7'6" 2290mm	13'11" 4240mm	21'5" 6530mm

Long Boom - 4-Bar Arm		
Minimum	Swath	Maximum
9'4" 2844 mm	13'5" 4089 mm	23'5" 7132 mm

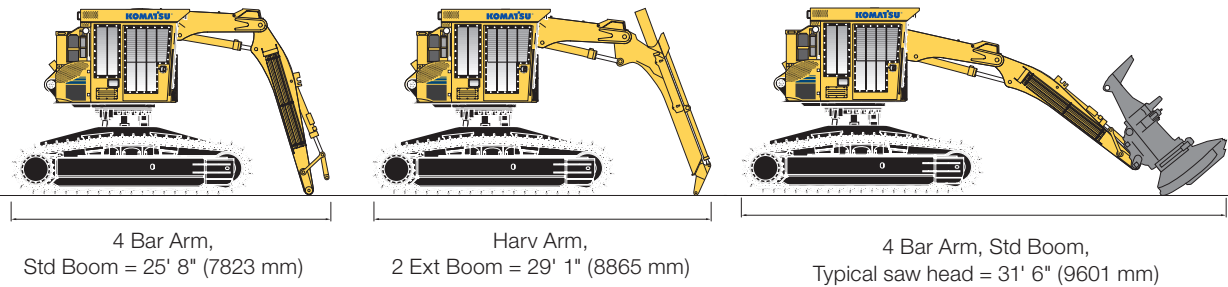
Standard Boom - Droop Nose		
Minimum	Swath	Maximum
7'6" 2290 mm	13' 5" 4089 mm	23'5" 7132 mm

Long Boom - Droop Nose		
Minimum	Swath	Maximum
9'5" 2870 mm	14'8" 5050 mm	24'1" 7340 mm

Standard Boom - 6 Ft Squirt		
Minimum	Swath	Maximum
7'1" 2159 mm	19'8" 5994 mm	26'11" 8240 mm

Long Boom - 8 Ft Squirt		
Minimum	Swath	Maximum
8'11" 2710 mm	22'0" 6710 mm	30'11" 9420 mm

Shipping Configurations







## ENGINE

Model..... Cummins QSC, Tier3  
 Type..... Water-cooled, 4-cycle, direct injection  
 Aspiration..... Turbocharged and charge air cooled  
 Number of cylinders..... In-line, 6-cylinder  
 Bore..... 4.49" 114 mm  
 Stroke..... 5.31" 135 mm  
 Piston displacement..... 505 in<sup>3</sup> 8.3 ltr  
 Horsepower:  
   Peak..... 300 HP 224 kW @ 2000 rpm  
   Rated..... 280 HP 209 kW @ 2200 rpm  
 Peak torque..... 1000 lb-ft (1356 Nm) @1500RPM  
 Cooling system..... Side-by-side aluminum core type,  
   engine coolant and charge air



## ELECTRICAL SYSTEM

Type..... 24V with master disconnect  
 Alternator..... 24V, 75A  
 Work lights..... 10 - Halogen lights



## HYDRAULICS

Implement pump..... Variable displacement piston.  
   Maxflow..... 91 GPM (344 liter/min)  
 Track drive pump..... 2-Variable displacement piston pump.  
   Max flow..... 57 GPM (216 liter/min)  
 Auxiliary pumps (Depending on hydraulic system selection)  
   45cc..... 28 GPM (106 liter/min)  
   71cc..... 45 GPM (170 liter/min)  
 Travel motor..... 2 - Variable displacement piston  
 Swing motor..... Fixed displacement bent axis piston  
 Cooling..... Separate swing out cooler with  
   thermostatically controlled fan



## DRIVES AND BRAKES

Drive method..... Hydrostatic, independent closed loop  
 Steering control..... Foot pedals  
 Max travel speed Hi..... 3.0 mph / 4.8 km/h  
 Max travel speed Lo..... 1.6 mph / 2.6 km/h  
 Max tractive effort..... 61,775 lb / 28 010 kg  
 Service brake..... Hydraulic  
 Parking brake..... Mechanical



## LEVELING SYSTEM

Type..... Non leveling



## SWING SYSTEM

Rotation..... Continuous rotation  
 Bearing..... Single row bearing  
 Drive method..... Hydrostatic  
 Swing speed..... 0 to 8.5 rpm  
 Swing torque  
   Standard 45cc..... 47,100 lb-ft / 63.9 kNm  
   Option 56cc..... 58,400 lb-ft / 79.1 kNm  
 Swing brake..... Hydraulic  
 Parking brake..... Mechanical



## UNDERCARRIAGE

Carbody..... HD boxed center frame structure with  
   flat bottom and storage trunk  
 Track frame..... Box-section, bolted  
 Track type..... Grease sealed  
 Number of shoe/links..... 47 per side  
 Bottom rollers..... 8 per side  
 Track Pitch..... 8.5" (216 mm)



## BOOM PERFORMANCE

Boom reach to pin  
   Maximum..... 21' 5" / 6530 mm  
   Minimum..... 7'6" / 2290 mm  
 Cutting Swath (without attachment)..... 13' 11" / 4240 mm  
   swing center to attachment pin  
 Lifting capacity..... 24,250 lb / 11000 kg @ 10' / 3.05m  
   ..... 18,200 lb / 8255 kg @ 15' / 4.57m  
   ..... 11,500 lb / 5216 kg @ 20' / 6.10m  
 Feller buncher boom, feller buncher 4-bar arm, designed for  
 20-22" high speed disc saws



## COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 225 US gallons / 852 liters  
 Coolant..... 8 US gallons / 30.3 liters  
 Engine oil pan..... 20 US quarts / 18.9 liters  
 Final drive..... 11.6 US quarts / 11 liters per side  
 Swing gear box..... 4.5 US quarts / 4.3 liters  
 Hydraulic tank..... 100 US gallons / 379 liters



## OPERATING WEIGHT (APPROX LESS HEAD)

Operating weight includes standard feller buncher boom, feller buncher 4-bar arm with tool tilt, 1/2 tank of fuel, rated capacity of lubricants, coolant, operator and standard equipment. Cutting attachment not included.

Track Shoes	Operating Weight	Ground Pressure
SG 24" (600 mm)	61,035 lb	7.6 Psi (0.53 kg/cm <sup>2</sup> )



## STANDARD EQUIPMENT

- Alternator, 75 ampere, 24V
- AM/FM/CD radio (satellite & iPod capable)
- Air conditioner and heater
- Back up alarm
- Batteries, 2 x12V, 950 cca
- Cab, ROPS/FOPS/TOPS/FOG/OPS/WCB
- Continuous swing rotation
- Dry type air cleaner
- Engine, Cummins QSC Tier 3
- Engine compartment service light
- Fan, auto reversing with guard
- Seat belt, 3" retractable
- Electrical system master disconnect switch
- IQAN programmable digital control system
- Adjustable high back suspension seat
- Interior cab light
- Travel pedals
- Rubber debris skirt
- Instrument panel with warning lights, gauges and audible alarm
- Front window, 3/4" (19 mm) polycarbonate
- Cab ventilation fan
- Cab window bar protection
- Work lights, 10 halogen type
- Carbody, 8'4" (2540 mm) track gauge
- Shoes, 24" (600 mm) single grouser
- Track sliders
- Swing motor, 45cc
- Hydraulic oil cooler with temp sensing fan
- Auto shift track motors
- 24V hydraulic oil refill pump
- Water separator
- 10 lb hand held fire extinguisher



## OPTIONAL EQUIPMENT

- Xenon work lights (4)
- Seat, KAB vented and heated
- Sky window, 1.25" (32 mm) polycarbonate
- Front window, 1.25" (32 mm) polycarbonate
- Cab floor heater
- Cab floor heater with ventilation
- Tracks
  - 28" (700 mm) single grouser
  - 28" (700 mm) double grouser
- Block heater, 120V
- Hydraulic tank heater, 120V
- Hydraulic tank heater probe for hot coolant
- Espar ® fuel fired block/hydraulic heater
- Counterweights
  - 1,680 lbs (760 kg)
  - 2,605 lbs (1180 kg)
- Engine wet kit (quick coupler for coolant)
- Fire suppression, 50 lb (22.7 kg) automatic/manual release
- Swing motor, 56cc
- Booms
  - 14'2" (4,318 mm) Standard boom
  - 16'1" (4,902 mm) Extended boom
- Arms
  - Feller buncher with 4 bar tool tilt and tree deflector
  - Harvester, droop noose
  - Harvester, 6' (1828 mm) extendible
  - Harvester, 8' (2438 mm) extendible
- Pump drive cooler
- Hydraulic tank vacuum pump
- Charge oil heater
- Air intake pre-cleaner
- Tree counter
- Hydraulic systems
  - High speed disc saw
  - Intermittent saw
  - Bar saw
  - Combination bar saw/high speed disc
  - 4 harvesting/processing head arrangements



## ATTACHMENT OPTIONS

- 20-22" high speed saws
- Komatsu harvesting heads
- Komatsu XA233-2 bar saw