

# KOMATSU

## ***XT430-5, XT445L-5,***

## ***XT465L-5***

*Tier 4 Final Engine*

### **FELLER BUNCHER**



Photos may include optional equipment.

**XT430** XT445L XT465L

#### **PEAK HORSEPOWER**

331 HP @ 1600 rpm  
247 kW @ 1600 rpm

#### **OPERATING WEIGHT**

<b>XT430-5</b>	<b>XT445L-5</b>	<b>XT465L-5</b>
66,359 lb	72,091 lb	74,516 lb
30,100 kg	32,700 kg	33,800 kg

# WALK-AROUND

XT430 XT445L XT465L



## PEAK HORSEPOWER

331 HP @ 1600 rpm

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## OPERATING WEIGHT

XT430-5	XT445L-5	XT465L-5
66,359 lb	72,091 lb	74,516 lb
30,100 kg	32,700 kg	33,800 kg

Photos may include optional equipment.



## The new Komatsu XT-5 series Track Feller Bunchers meet your demanding needs.

- Gull-wing engine hood folds down, providing an elevated service work platform.
- Swing-out service doors offer easy access.
- Increased lift capacity provides greater productivity.
- Relocated cab offers the operator superior visibility.
- A powerful new EPA Tier 4 final emissions-certified Cummins QSL9 engine offers improved performance vs. previous XT-3 models.
- Komatsu's KOMTRAX telematics system is standard.
- New Komatsu rugged undercarriages provide significantly longer service life.
- Experience simultaneous multi-functioning between work and travel, with optimum power.
- Heavy-duty 4-way leveling system maximizes slope productivity (XT445L-5/XT465L-5)
- Short tail-swing provides exceptional maneuverability in tight areas
- New hydraulic pump system provides faster cycle times.
- Komatsu CARE complimentary maintenance program is standard



## The XT-5 series Track Feller Bunchers new design and technologies offer you more power and increased lift.

- Gull-wing engine hood service access
- Increased lift capacity
- Modern cab with superior visibility
- New rugged undercarriages
- KOMTRAX telematics system
- Powerful, fuel-efficient engine
- Komatsu CARE

# PERFORMANCE FEATURES

## New Systems & Technology

### HIGH PERFORMANCE TIER 4 FINAL ENGINE

The powerful new Cummins QSL9 engine provides a peak output of 331 HP (247 kW) @ 1600 rpm and is EPA Tier 4 final emissions certified. This engine reduces exhaust gas particulate matter (PM) and fuel consumption drops by up to 5% vs. previous XT-3 models.\*

Through the development and production of engines, electronics and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications. The operator will notice high torque at low speeds, excellent operation and low fuel consumption to provide maximum productivity.

### Aftertreatment components are designed in conjunction with the engine for efficiency and long life

The selective catalytic reduction (SCR) system passively performs catalytic reduction, with no action required from the operator and no interference when the machine operates under normal-duty cycles.

### Cold weather operation is facilitated

- Standard charge oil relief heater provides for fast hydraulic oil warm-up.
- Optional fuel-fired jacket water and hydraulic oil pre-heater facilitates faster cold weather start-ups.

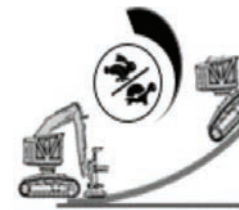
### FUEL CONSUMPTION DROPS BY UP TO 5%! \*

- Auto-idle down engine monitoring control.
- Independent, temperature-based variable speed engine radiator and hydraulic oil cooler fans.
- A separate attachment pump for the grapple, accumulator, wrist and disc saw improves performance and efficiency.
- HST motor has an auto-shift feature that provides for high-torque, low-speed travel starts.
- Integrated Tier 4 final engine installation utilizing DOC and SCR technology with no DPF required.

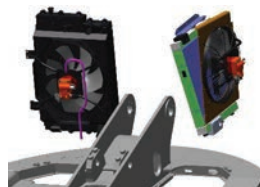
Auto idle-down engine monitoring control



HP control variable priority setting between track and work equipment reduces instantaneous load on engine by not starting in a lower gear



Separate engine/hydraulic cooling with optimized fan monitoring and auto reversing feature



Improved hydraulic circuit by reducing system pressure loss with independent attachment pump and remote mounted valve



\*Results based on actual measured values using the XT445L-5 prototype vs. the XT445L-3 model—each operator's results may vary

Photos may include optional equipment.

XT430 XT445L XT465L

## HYDRAULIC COMPONENTS & DESIGN

### High-capacity cooling system features a large radiator, charge air cooler and hydraulic oil cooler

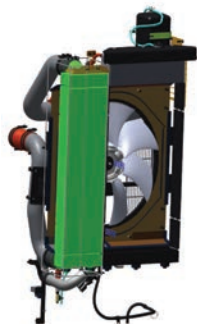
Separate temperature-based, variable speed engine and hydraulic oil cooler fans are equipped with an auto-reversing function to help purge debris and maintain cooling efficiencies.

All coolers have been relocated to the rear of the machine for reduced debris build-up. An improved cooling system features a single package which includes a larger radiator, charge air cooler (CAC), and one independent hydraulic cooler vs. two coolers on the XT-3. The radiator has an integrated top fill tank vs. a separate fill tank on the XT-3. Separate engine radiator and hydraulic oil cooler fan controls help to ensure that each system receives the cooling needed to maintain the required temperature. Both fans have an auto-reversing function to help purge debris and maintain cooling efficiencies.

### Extended service life

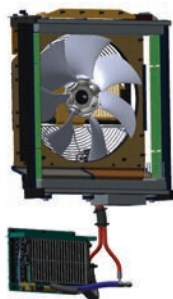
- Reduced gearbox ratio lowers PTO speed to decrease friction/wear.
- Optional pump drive oil cooler provides additional cooling to further extend pump drive gear box life.

Tank Radiator Reservoir



Cooler (CAC)

Hydraulic Cooler



AC Condenser



## INNOVATIVE HYDRAULIC TANKS

### Hydraulic tank requires 55% less hydraulic oil versus XT-3.

Self-pressurized 2-tank design

- Tank #1 Operates the Piston Pumps (5psi)
- Tank #2 Operates the Gear Pumps and Case Return

**Unique "Hydro-Nucleation" filtration technology removes trapped air bubbles from the hydraulic oil** — the 5psi pressurized tank helps to reduce the risk of piston pump cavitation.

Electric hydraulic tank oil fill pump facilitates refilling. Hydraulic tank vacuum pump helps to reduce oil spills and keep the machine clean when servicing the hydraulic system.

## HYDRAULIC FILTRATION SYSTEM

### Three different filters are used to protect the system

- Case drain filter
- Hydraulic return filters
- Charge filter

### Improved serviceability over XT-3 filters

No special procedure is required to prevent tank contamination during filter changes.

Oil returns into the center of the filter trapping debris inside the filter during removal.



## HIGH PERFORMANCE HYDRAULIC PUMPS

- 17% larger hydraulic piston pumps for the implement, attachment and disc saw. Separate pumps operate independently to provide flow only when needed.
- Pumps operate at 500 rpm lower speed for increased durability while delivering high-performance flow. Each pump has a pre-charged (pressurized) suction inlet to reduce cavitation risk.



# WORKING ENVIRONMENT



## "ATTENTION TO THE DETAILS" ENGINEERED FORESTRY CAB

Komatsu's next generation XT-5 Series Forestry Cab offers the maximum in visibility, operator comfort and convenience, ease of operation, easy-to-use high technology, productivity, and fit & finish — placing the XT-5 Cab as a leader in its class.

Photos may include optional equipment.



L-shaped window



Improved engine / pump compartment configuration

## OPTIMIZED VISIBILITY

- Each set of tracks are now highly visible through the side door and boom-side windows.
- Floor-to-ceiling 1.25" (32 mm) polycarbonate front window with no bars provides an unobstructed view.
- Large polycarbonate skylight window with a retractable sunshade provides a clear, wide and deep view of the boom and tree tops.
- Eleven (11) exterior LED lights provide two to three times more brilliant work area illumination than halogen lights; all are recessed for protection.
- Low door handle position improves operator's view to left side of the machine
- Standard rear-view monitoring system with a camera provides excellent rear-area visibility.
- Large door window has been redesigned to improve visibility to the left-side track. The engine/pump compartment position and shape have also changed to improve boom-side visibility.
- Boom-side visibility has been further improved by relocating the window decals to the cab pillar.

## PREMIUM OPERATOR SEAT (OPTIONAL)

- Thermal electric devices (TED) provide warm or cool seats. Includes a back cushion airflow with a variable blower fan and 3-speed heat / cool switch.
- Active cooling generates airflow that is below warm ambient temperatures to provide cushioning and operator cooling and comfort. Other passive airflow systems do not add cushioning or reduce operator temperatures below ambient.
- Heating system provides constant warm airflow, without the on-and-off feel of conventional cushion heating systems.





# WORKING ENVIRONMENT

## ENGINEERED FORESTRY CAB

The new operator's cab has been mounted on the left side for industry and Komatsu commonality. The layout is ergonomically efficient, spacious and quieter. Its sloped roofline provides excellent headroom above and forward of the seat.

- Large quiet ROPS/FOPS/TOPS/ FOG/OPS /WCB /Oregon OSHA-certified cab with an adjustable high back operator seat.
- High-capacity heater, air conditioner and defroster provide a comfortable operator climate regardless of the season.
- IQAN-MD4 control system provides ability to custom tune vehicle response to meet individual operator preferences.

The XT-5 is equipped with the latest state-of-the-art IQAN-MD4 Programmable Digital Control System. Komatsu was "1st in the Forest" with the advanced IQAN-MD4 technology on the XT-3 series machines and continues to be a leader.



Premium seat shown

Photos may include optional equipment.

XT430 XT445L XT465L




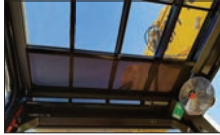




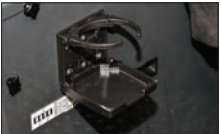




## OPERATOR COMFORT & CONVENIENCE

The cab includes many standard features that provide the ultimate operator in comfort.

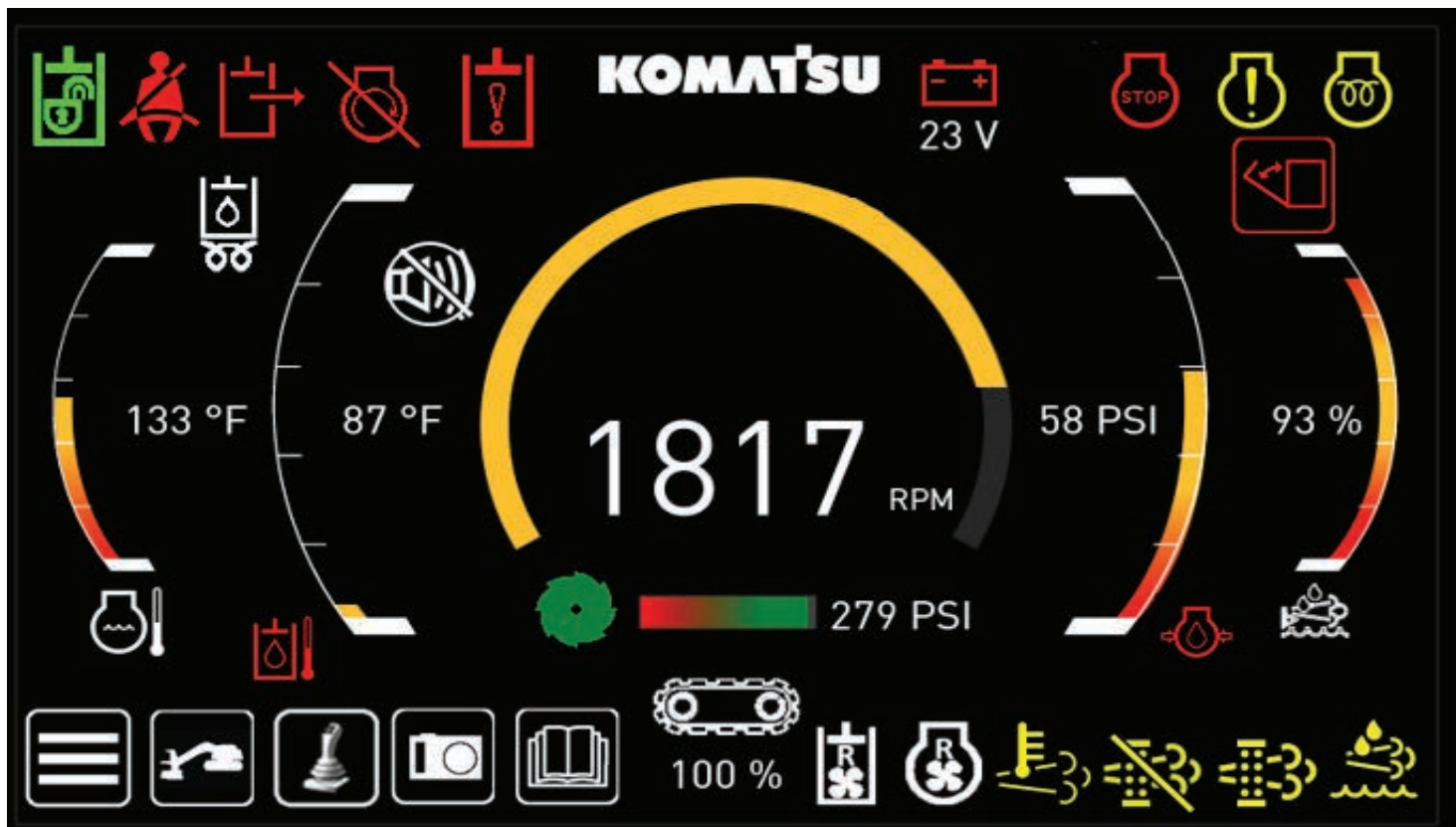
- High-capacity, automatic air conditioner, heater, and defroster ensure all-season comfort.
- Six (6) multi-level fully adjustable vents provide full cabin airflow for the AC/Heater/Defroster system.
- Cab is pressurized with fresh air flow from all six vents when in AC/Heat mode.
- All switches and controls are located within easy reach of the operator.
- All gauges and warning light functions are prominently displayed on the large 7" (18 cm) LED IQAN-MD4 color touchscreen.
- AM/ FM/ Weather Band stereo radio w/i Pod / MP3 input.
- Two (2) 12-volt outlets available for powering electronic devices.
- Conveniently located cellphone holder.
- Fold down / up cupholder.
- Five (5) pre-threaded welded bosses for mounting auxiliary electronics.
- Bright LED overhead dome light.
- Insulated vacuum bottle & lunch box cooler.
- Magnetic and movable coat hook.
- Literature box and fire extinguisher are accessible while seated.
- Floor mat is easily removed for cleaning.
- Low exterior door handle provides easy entry access.
- 3 emergency escape routes: front window, right door and roof hatch.

## "INFINITELY VARIABLE" TRAVEL SPEED CONTROL ALLOWS THE OPERATOR TO FINE-TUNE TRAVEL SPEED FOR IMPROVED COMFORT

The operator sets the desired maximum speed while maintaining the full range of pedal travel movement — no longer requires having to meter pedal travel to maintain a certain speed.

Standard equipment	
<p><b>Ergonomic control panel layout</b></p> 	
<p><b>Skylight and Sunshade</b></p> 	<p><b>11 Brilliant LED Lights</b></p> 
<p><b>AM/FM/Weather Band Stereo</b></p> 	<p><b>Cellphone Holder</b></p> 
<p><b>Insulated Bottle &amp; Cooler</b></p> 	<p><b>Fold-down/up Cupholder</b></p> 
<p><b>Bright LED Dome Light</b></p> 	<p><b>Removable Floor Mat</b></p> 
<p><b>Fire Extinguisher</b></p> 	<p><b>Roof Escape Hatch</b></p> 

# IQAN-MD4 DIGITAL CONTROL SYSTEM



## SYSTEM OVERVIEW

- The IQAN-MD4 programmable digital control system is “1st in the Forest” state-of-the-art technology.
- IQAN-MD4 display provides the operator with a true “Command Central” control system.
- Rugged 7” (18 cm) LED color touchscreen monitor provides the operator with:
  - Sensitive finger touch response.
  - Excellent viewing in all lighting conditions.
  - Wide 170° viewing angle.
  - All gauges and warning light functions are displayed digitally.
- Highly intuitive Komatsu programming makes operation and system navigation easy.

Photos may include optional equipment.

XT430 XT445L XT465L



## **PROGRAMMABILITY AND ADJUSTABILITY**

The IQAN-MD4 can be programmed (adjusted) to accommodate multiple operator preferences including: joystick and foot pedal operational sensitivities, boom, stick, tool tilt, swing, cab leveling, clamp, accumulator and lateral tilt.

Three different operators can program their individual control patterns for increased multi-operator productivity.

Each operator can easily make and save their own desired control changes, including performing a reset back to the original factory settings, if necessary

## **REMOTE ASSISTANT**

- Allows the technician to connect to the machine remotely via a cellphone. The system is similar to Team Viewer for PCs.
- IQANsync uses a cellphone as a bridge between the machine (via Bluetooth) and the internet (cellular data).

## **DUAL ELECTRONIC GAUGES AND WARNING ICONS**

The IQAN-MD4 system continuously monitors and displays the following machine functions in both electronic gauge and warning lamp icon formats:

- Tachometer (RPM)
- Engine coolant temperature
- Engine oil pressure
- Battery voltage
- Hydraulic oil temperature
- Disc saw pressure

## **ELECTRONIC WARNING ICONS**

The IQAN-MD4 system continuously monitors and will display a red warning lamp icon when appropriate for the following functions:

- Check engine
- Hydraulic oil level
- Hydraulic tank filter pressure
- Charge filter pressure
- Vacuum pump "On"



# PERFORMANCE & RELIABILITY FEATURES

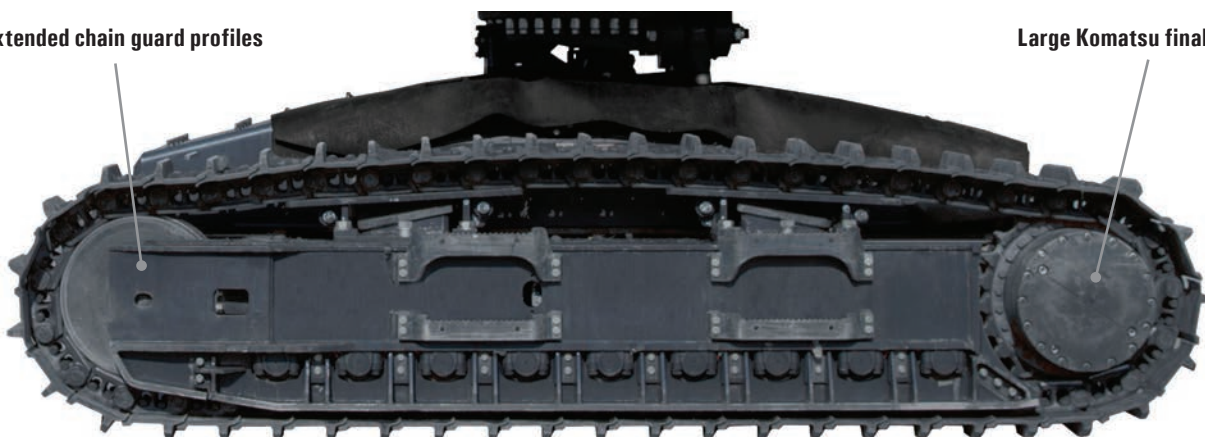
## Rugged Undercarriage

The new Komatsu rugged undercarriage provides significantly longer service life due to numerous key improvements.

- Rugged 8.5" (216 mm) track chain links are stronger at resisting "twist."
- Track roller and idler bushings are made of high-density material allowing longer wear.
- XT445L-5/XT465L-5 removable track guards have larger roller side openings to reduce mud packing and facilitate cleaning.
- Final drives have a new triple labyrinth floating seal housing to protect against mud packing.
- Choice of standard track sliders or optional carrier rollers.
- XT445L-5/XT465L-5 track sliders have a reduced angle producing 30% lower contact pressure for reduced wear.
- Large, powerful Komatsu final drives.
- Komatsu grease sealed track.
- High capacity rollers provide excellent track chain support and load distribution.
- High tensile strength steel track chain guide (rock guard) material for durability.
- Track chain alignment is optimized with:
  - Extended chain guard profiles on both idler and sprocket.
  - Continuous straight-line chain guide (rock guard).
- Track guards are removable for easy roller service access.
- Flat carbody underside minimizes hang-ups on stumps and rocks.
- Leveling cylinders are protected inside the carbody.
- High tractive effort delivers fast and dependable performance in demanding sloped and rough terrain conditions.

Extended chain guard profiles

Large Komatsu final drives



Photos may include optional equipment.

XT430 XT445L XT465L



**HEAVY-DUTY 4-WAY LEVELING SYSTEM**

The XT445L-5/XT465L-5 leveling system provides simultaneous front/rear/side leveling to maximize productivity and operator comfort when working on slopes.

Komatsu's 2-cylinder leveling system puts the cylinders at the rear-most outside corners where leverage and stability are greatest.

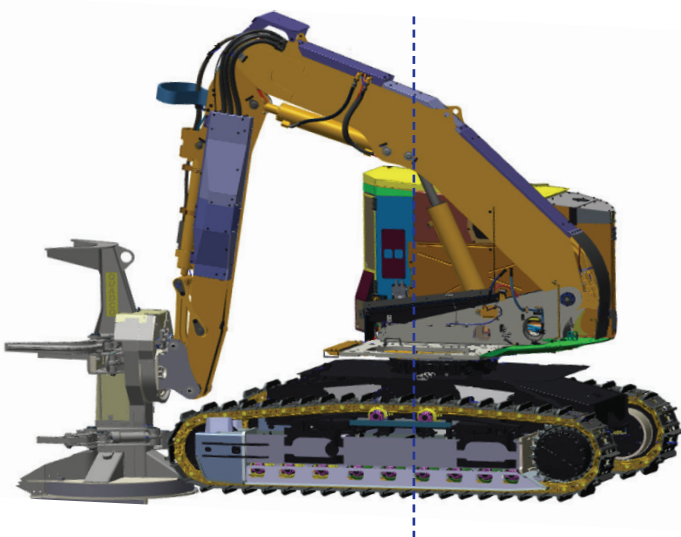
**POWERFUL SWING MOTOR**

A standard 56cc swing motor provides 58,431 lb-ft of swing torque to deliver fast and dependable performance in demanding sloped and rough terrain conditions.

**EXCEPTIONAL MANEUVERABILITY IN TIGHT AREAS**

Proven set-back boom design allows the operator to cut close to the tracks for improved productivity.

Short-tail swing and closed-loop independent track drive make it easy to operate in dense forest conditions.



**Set-back boom**



**Heavy-duty swing bearing  
(all models)  
and leveling system  
(XT445L-5 & XT465L-5)**

**Heavy-duty 4-way leveling system (XT445L-5/XT465L-5)**

# PERFORMANCE & RELIABILITY FEATURES

## Rugged & Durable Features



Boom/Arm guarding



Attachment valve guarding



5 degree sloped roof

### ROBUST GUARDING PROVIDES IMPROVED PROTECTION AND SHEDS DEBRIS.

- The boom/arm/rear and arm attachment valve hydraulic tubes and hoses are covered.
- Engine and pump compartment roof has a 5 degree slope to help shed debris.
- All 11 LED lights are guarded; the front cab LED lightbar is reinforced with additional gussets.

### CLOSED LOOP TRACK DRIVE

Nothing performs like Komatsu's closed loop-track drive system. The XT-5 machines 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 the other functions being used.



Closed loop track drive

### STEEL TUBES

Steel tubes are utilized for all hydraulic delivery and return lines to increase reliability and durability.

### FIRE SUPPRESSION OFFERS EXTRA PROTECTION

Komatsu offers the latest fire suppression technology installed on the XT-5 machines. A readily accessible hand-held fire extinguisher comes standard and an automatic liquid chemical fire suppression system is optional. The state-of-the-art fire suppression system will help give you peace of mind knowing that you have additional protection when needed.



Fire suppression system (optional)

Photos may include optional equipment.

XT430 XT445L XT465L



## SIGNIFICANTLY GREATER LIFT CAPACITY AT FULL REACH PROVIDES INCREASED PRODUCTIVITY

Hydraulic piston pumps for the implement, attachment and disc saw have a 17% larger capacity. Each pump operates independently to provide flow only when needed.

Pumps operate at 500 rpm lower speed for increased durability while delivering high-performance flow. Each pump has a pre-charged (pressurized) suction inlet to reduce cavitation risk.

XT465L-5 can now readily handle a Quadco 24B/C high speed disc saw with a 24" diameter cutting capacity.



Quadco "B" Series



Quadco "C" series

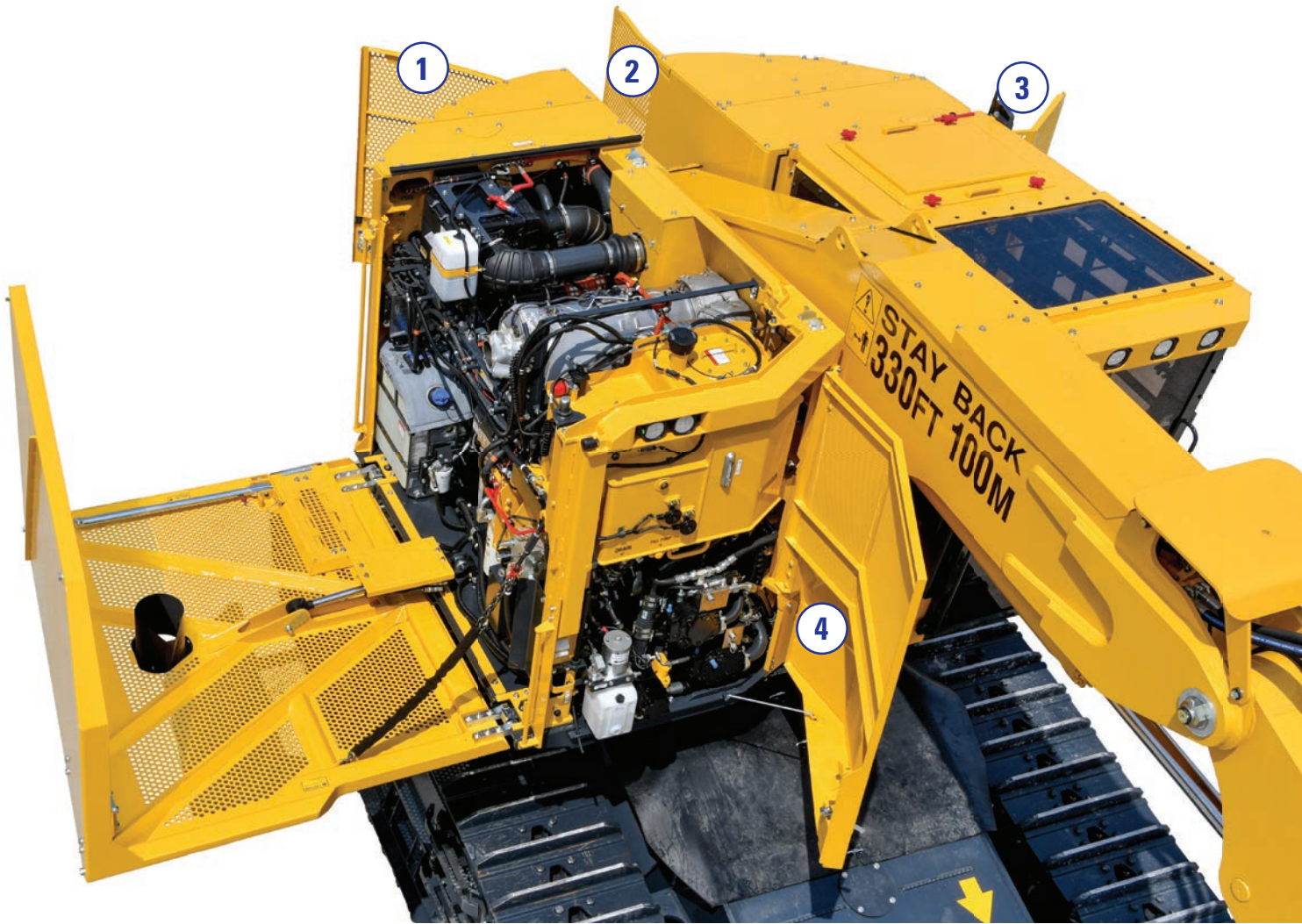


Quadco Intermittent saw



# MAINTENANCE FEATURES

## Gull-Wing Service Work Platform



Gull-wing engine hood folds down providing an elevated service work platform.

- Robust gull-wing design provides a secure footing area with a 500 lb (227 kg) load capacity.
- Offers excellent visibility and service access to all engine-related components and filters.
- Convenient drop down step with pull-up handle provides easy access.
- Back-up manual hand pump to raise gull wing door.

Photos may include optional equipment.

XT430 XT445L XT465L





1



2



3



4

## FOUR SWING-OUT SERVICE DOORS

Four rugged swing-out service doors open wide to provide excellent service access to key components.

### 1 RADIATOR AND BATTERIES

### 2 FIRE SUPPRESSION SYSTEM

### 3 HYDRAULIC OIL COOLER/ AC CONDENSER

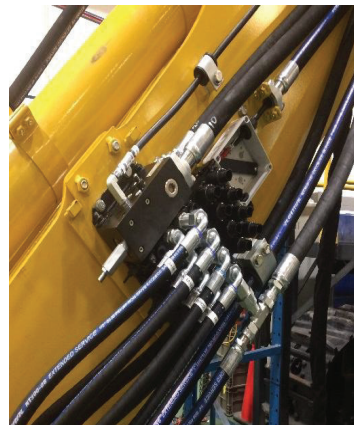
### 4 HYDRAULIC TANKS & PUMPS

## NEW WORK EQUIPMENT HYDRAULICS SYSTEM DESIGN

New design relocates the attachment valve to the arm for ease of service.

- Hydraulic arrangement design has a main control valve and a separate arm attachment control valve.
- Hydraulic arrangement differences are now located on the arm and consist of the arm attachment control valve tubing and hoses.

Centralized boom grease points provide for ease of service.



Attachment valves



Centralized boom grease points

# KOMATSU PARTS & SERVICE SUPPORT



## EVERY NEW KOMATSU TIER 4 FINAL XT-5, LOG LOADER AND CONSTRUCTION MACHINE IS COVERED BY KOMATSU CARE

The Komatsu CARE program covers all new Komatsu Tier 4 Final XT-5, log loader and construction equipment, whether rented, leased or purchased. For the first 3 years or 2,000 hours, whichever occurs first, you will receive:

- Regular service at 100, 500, 1,000, 1,500 and 2,000 hour intervals.
- DEF tank breather element replacement at 1,000 hours.
- DEF and CCV filters replacement at 2,000 hours.
- 50-point inspection by factory-trained technicians at each scheduled interval.
  - Technician labor
  - Technician travel to and from your equipment location
- Fluids, oils, coolant, filters, SCR screen, tank breather and parts.
- Plus complimentary KDPF replacement and SCR system service for 5 years no hours limits.\*

Service will be performed by a Komatsu distributor and only Komatsu genuine fluids and filters will be used.

Komatsu CARE services are available from every Komatsu distributor in the United States and Canada.

## KOMATSU CARE — EXTENDED COVERAGE FOR PEACE OF MIND

- Extended coverage protects you from unplanned expenses that effect cash flow.
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs.



## KOMATSU PARTS SUPPORT FOR THE RIGHT PARTS AT THE RIGHT TIME AND AT THE RIGHT PLACE FOR YOU

- 24/7/365 support is available to fulfill your parts needs.
- Nine parts distribution centers are strategically located across the United States and Canada.
- A distributor network of more than 300 locations across United States and Canada to serve you.
- Online parts ordering is available through Komatsu eParts.
- Remanufactured components with same-as-new warranties are available at a significant cost reduction.

## DETECT FUEL DILUTION, COOLANT LEAKS AND MEASURE WEAR METALS WITH KOMATSU OIL AND WEAR ANALYSIS (KOWA)

- Proactively maintain your equipment.
- Maximize availability and performance.
- Identify potential problems before they lead to major repairs.
- Reduce life cycle cost by extending component life.

Photos may include optional equipment.



# KOMTRAX EQUIPMENT MONITORING

## KOMATSU'S KOMTRAX TELEMATICS SYSTEM IS STANDARD

- Utilizing satellite-based technology, KOMTRAX transmits valuable information, such as location, utilization and maintenance records to a PC via an internet website.
- Custom machine reports are available for identifying machine operating trends.
- Provides advanced machine troubleshooting capabilities by monitoring machine health.
- No subscription-fee is required throughout the life of the machine.



### WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system.
- KOMTRAX continuously monitors and records machine health and operational data.
- Information such as fuel consumption, utilization, and a detailed history aids in lowering owning and operating cost.

### WHO

- KOMTRAX is standard equipment on all Komatsu XT-5, log loader and construction equipment.

### WHEN

- Know when your machines are running or idling and make decisions that will improve your fleet utilization.
- Detailed movement records ensure you know when and where your equipment is moved.
- Up-to-date records allow you to know when maintenance is due and help you plan for future maintenance needs.

### WHERE

- KOMTRAX data is transmitted to a PC via an internet website.
- Automatic alerts keep fleet managers up to date on the latest machine notifications.

### WHY

- Knowledge is power — make informed decisions to manage your fleet better.
- Knowing your idle time and fuel consumption will help maximize your machine efficiency.

**Take control of your equipment any time, anywhere.**



For XT-5, log loaders and construction equipment.

# SPECIFICATIONS



## ENGINE

Model	Cummins QSL9 diesel engine
Type	Water-cooled, 4-cycle, direct injection
Aspiration	VGT™ Turbocharger, infinitely adjustable with electronic controls. High pressure fuel injection, in cylinder advanced combustion technology, cooled EGR.
Number of cylinders	In-line, 6-cylinder
Bore	114 mm <b>4.49"</b>
Stroke	135 mm <b>5.69"</b>
Piston displacement	9 ltr <b>543 in3</b>
Horsepower:	
Peak	247 kW <b>331 HP @ 1600 rpm</b>
Rated	224 kW <b>300 HP @ 2000 working rpm</b>
Peak Torque	1573 Nm <b>1160 lb-ft @ 1600 rpm</b>
Fan Drive Type	Hydraulic

\*Complies with U.S. EPA Tier 4 Final emissions standard



## ELECTRICAL SYSTEM

Type	24V with master disconnect
Alternator	24V, 100A
Work Lights	11 - LED



## HYDRAULIC

Implement pump	Variable displacement piston, Max Flow - 324 liter/min <b>86 GPM</b>
Attachment pump	Variable displacement piston, Max Flow - 200 liter/min <b>53 GPM</b>
Saw pump	Variable displacement piston, Max Flow - 143 liter/min <b>38 GPM</b>
Track drive pump	2x Variable displacement piston, Max Flow - 167 liter/min <b>44 GPM</b>
Fan pump	2x Gear, Max Flow - 44 liter/min <b>11 GPM</b>
Charge pump	2x Gear, Max Flow - 95 liter/min <b>25 GPM</b>
Travel motor	Variable displacement piston
Swing motor	Fixed displacement bent axis piston
Cooling	Independent Radiator/CAC/ Hydraulic oil coolers with thermostatically controlled fans



## DRIVES AND BRAKES

	XT430-5	XT445L-5	XT465L-5
Drive Method	Hydrostatic, independent closed loop	Hydrostatic, independent closed loop	Hydrostatic, independent closed loop
Steering control	Foot Pedals	Foot Pedals	Foot Pedals
Max travel speed			
High	4.6 km/h <b>2.9 mph</b>	4.6 km/h <b>2.9 mph</b>	4.6 km/h <b>2.9 mph</b>
Low	2.6 km/h <b>1.6 mph</b>	2.1 km/h <b>1.3 mph</b>	2.1 km/h <b>1.3 mph</b>
Max tractive effort	29,450 kgf <b>64,926 lbf</b>	34,382 kgf <b>75,799 lbf</b>	34,382 kgf <b>75,799 lbf</b>
Service brake	Hydraulic	Hydraulic	Hydraulic
Parking brake	Hydraulic	Hydraulic	Hydraulic



## LEVELING SYSTEM

	XT430-5	XT445L-5	XT465L-5
Type	Non-Leveling	2-cylinder, 4-way heavy duty	2-cylinder, 4-way heavy duty
Leveling angle			
Front	--	27° / 51%	25° / 47%
Rear	--	5° / 9%	6° / 11%
Side/Side	--	20° / 36%	18° / 32%

XT430 XT445L XT465L





**SWING SYSTEM**

	XT430-5	XT445L-5	XT465L-5
Rotation	Continuous rotation	Continuous rotation	Continuous rotation
Bearing	Heavy duty, 22-bolt Single row bearing	Heavy duty, 22-bolt Single row bearing	Heavy duty, 37-bolt Double row bearing
Drive method	Hydrostatic	Hydrostatic	Hydrostatic
Swing speed	0 to 7.0 rpm	0 to 7.0 rpm	0 to 7.0 rpm
Swing torque	79,100 Nm, <b>58,341 lb-ft</b>	79,100 Nm, <b>58,341 lb-ft</b>	79,100 Nm, <b>58,341 lb-ft</b>
Swing brake	Dynamic	Dynamic	Dynamic
Parking brake	Hydraulic	Hydraulic	Hydraulic



**UNDERCARRIGE**

	XT430-5	XT445L-5	XT465L-5
Carbody	HD boxed frame structure with flat bottom and storage trunk	HD boxed frame structure with flat bottom and storage trunk	HD boxed frame structure with flat bottom and storage trunk
Track frame	Box-section, bolted	Box-section, bolted	Box-section, bolted
Track type	Grease sealed	Grease sealed	Grease sealed
Number of shoes/links	47 per side	46 per side	47 per side
Track rollers	9 per side	8 per side	9 per side
Bushings & rollers	Standard	Heavy duty	Heavy duty
Track pitch	216 mm, <b>8.5"</b>	216 mm, <b>8.5"</b>	216 mm, <b>8.5"</b>



**BOOM PERFORMANCE**

	XT430-5	XT445L-5	XT465L-5
Reach at 1.5 m 5' height			
Maximum	6,682 mm, <b>21' 7"</b>	6,536 mm, <b>21' 5"</b>	6,536 mm, <b>21' 5"</b>
Minimum	2,328 mm, <b>7' 8"</b>	2,328 mm, <b>7' 8"</b>	2,328 mm, <b>7' 8"</b>
Cutting Swath*	4,354 mm, <b>13' 11"</b>	4,208 mm, <b>13' 9"</b>	4,208 mm, <b>13' 9"</b>
Lifting capacity** @ 1.5 m 5' pin height (less attachment)			
@ 3.0 m <b>10'</b>	11,900 kg, <b>26,235 lb</b>	11,900 kg, <b>26,235 lb</b>	14,200 kg, <b>31,398 lb</b>
@ 4.6 m <b>15'</b>	8,100 kg, <b>17,857 lb</b>	8,000 kg, <b>17,637 lb</b>	9,760 kg, <b>21,519 lb</b>
@ 6.0 m <b>20'</b>	4,900 kg, <b>10,803 lb</b>	4,800 kg, <b>10,582 lb</b>	5,940 kg, <b>13,098 lb</b>
@ Full Reach	4,500 kg, <b>9,921 lb</b>	4,500 kg, <b>9,921 lb</b>	5,590 kg, <b>12,326 lb</b>

\* Cutting swath (less attachment) - Swing center to attachment pin.

\*\* Feller buncher boom and arm, designed for 20-22" high speed disc saws.



**COOLANT & LUBRICANT CAPACITY (REFILLING)**

	XT430-5	XT445L-5	XT465L-5
Fuel tank	840 liters, <b>222 U.S. gal</b>	651 liters, <b>172 U.S. gal</b>	526 liters, <b>140 U.S. gal</b>
Cooling system	35.7 liters, <b>9.43 U.S. gal</b>	35.7 liters, <b>9.43 U.S. gal</b>	35.7 liters, <b>9.43 U.S. gal</b>
Engine oil pan	18.9 liters, <b>4.99 U.S. gal</b>	18.9 liters, <b>4.99 U.S. gal</b>	18.9 liters, <b>4.99 U.S. gal</b>
Final drive per side	11 liters, <b>2.91 U.S. gal</b>	11 liters, <b>2.91 U.S. gal</b>	11 liters, <b>2.91 U.S. gal</b>
Swing gear box	4.3 liters, <b>1.14 U.S. gal</b>	4.3 liters, <b>1.14 U.S. gal</b>	4.3 liters, <b>1.14 U.S. gal</b>
Hydraulic tank	216 liters, <b>57 U.S. gal</b>	216 liters, <b>57 U.S. gal</b>	216 liters, <b>57 U.S. gal</b>
DEF	56.8 liters, <b>15 U.S. gal</b>	56.8 liters, <b>15 U.S. gal</b>	56.8 liters, <b>15 U.S. gal</b>
Gear box (PTO)	6.2 liters, <b>1.63 U.S. gal</b>	6.2 liters, <b>1.63 U.S. gal</b>	6.2 liters, <b>1.63 U.S. gal</b>
Hood tilt	4.5 liters, <b>1.19 U.S. gal</b>	4.5 liters, <b>1.19 U.S. gal</b>	4.5 liters, <b>1.19 U.S. gal</b>



**OPERATING WEIGHT (LESS ATTACHMENT)**

	XT430-5	XT445L-5	XT465L-5
Track shoes	600 mm, <b>SG 24"</b>	600 mm, <b>SG 24"</b>	600 mm, <b>SG 24"</b>
Operating weight*	30,100 kg, <b>66,359 lb</b>	32,700 kg, <b>72,091 lb</b>	33,800 kg, <b>74,516 lb</b>
Ground pressure	58.5 kPa, <b>8.5 psi</b>	66.8 kPa, <b>9.7 psi</b>	66.8 kPa, <b>9.7 psi</b>

\*Operating weight includes feller buncher boom, feller buncher arm, 1/2 tank of fuel, rated capacity of lubricants, coolant, operator and standard equipment.

# SPECIFICATIONS

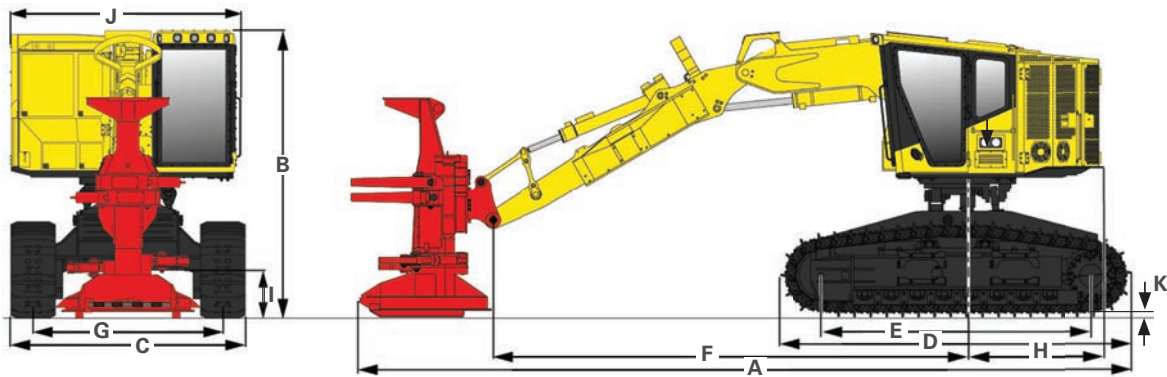


## DIMENSIONS

	XT430-5		XT445L-5		XT465L-5	
A Overall length (with attachment)*	10,632 mm	34' 11"	10,487 mm	34' 5"	10,632 mm	34' 11"
B Overall height* (to top of cab)**	3,579 mm	11' 9"	3,854 mm	12' 8"	3,854 mm	12' 8"
C Overall track frame width	3,140 mm	10' 4"	3,140 mm	10' 4"	3,176 mm	10' 5"
D Overall track length	4,900 mm	16' 1"	4,760 mm	15' 7"	4,893 mm	16' 1"
E Track length (sprocket center to idler center)	3,877 mm	12' 9"	3,666 mm	12' 0"	3,800 mm	12' 6"
F Length (center circle to extended boom)	6,582 mm	21' 7"	6,436 mm	21' 1"	6,436 mm	21' 1"
G Track gauge	2,540 mm	8' 4"	2,540 mm	8' 4"	2,576 mm	8' 5"
H Tail swing radius	1,848 mm	6' 1"	1,848 mm	6' 1"	1,848 mm	6' 1"
I Ground clearance	722 mm	2' 4"	806 mm	2' 8"	794 mm	2' 7"
J Overall width (upper structure)	3,106 mm	10' 2"	3,106 mm	10' 2"	3,106 mm	10' 2"
K Grouser height	71.4 mm	0' 3"	71.4 mm	0' 3"	71.4 mm	0' 3"

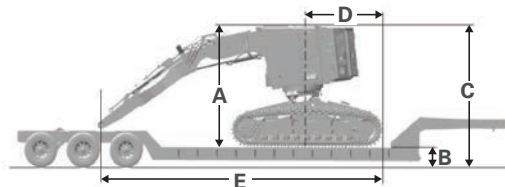
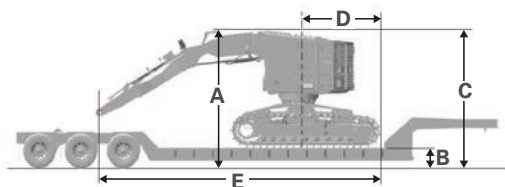
\* : Attachment Quadco 22C

\*\* : Including grouser height



## TRANSPORT DIMENSIONS (W/O ATTACHMENT)

Model	Machine Height (A)	Trailer (B)	Transport Height (C)	Transport Width		Transport Length	
				600 mm, 24"	700 mm, 28"	Dimension (D)	Dimension (E)
XT430-5	3,598 mm, 11' 10"	457 mm 18"	4,055 mm 13' 4"	3,140 mm 10' 4"	3,240 mm 10' 8"	2,680 mm 8' 10"	8,714 mm 28' 7"
		559 mm 22"	4,157 mm 13' 8"				
		610 mm 24"	4,208 mm 13' 10"				
XT445L-5	3,695 mm, 12' 1"	457 mm 18"	4,152 mm 13' 7"	3,140 mm 10' 4"	3,240 mm 10' 8"	2,588 mm 8' 6"	8,840 mm 29' 0"
		559 mm 22"	4,254 mm 13' 11"				
		610 mm 24"	4,305 mm 14' 1"				
XT465L-5	3,701 mm, 12' 2"	457 mm 18"	4,158 mm 13' 8"	3,176 mm 10' 5"	3,276 mm 10' 9"	2,591 mm 8' 6"	8,840 mm 29' 0"
		559 mm 22"	4,260 mm 14' 0"				
		610 mm 24"	4,311 mm 14' 2"				



XT430 XT445L XT465L



**STANDARD EQUIPMENT**

- Alternator, 100 ampere, 24V
- Air cleaner, dry type with air intake pre-cleaner
- Auto-idle shutdown system
- Automatic air conditioner, heater & defroster with pressurization and 6 adjustable vents
- Batteries, 2 x 12V, 1000 AH
- Cab, ROPS/OPS/FOPS/TOPS/ FOG/WCB/Oregon OSHA certified forestry:
  - 2 x 12V power outlets
  - Cellphone holder
  - Coat hook, magnetic and moveable base
  - Cupholder, fold-down/up
  - Literature box with cover
  - Lockable door
  - Insulated drink bottle & lunch box cooler
  - Ventilation fan
- Carbody, wide gauge with storage trunk
- Continuous swing rotation
- Control handles, Sure Grip
- Cooling:
  - Engine - temperature-sensing auto-reversing fan
  - Hydraulic oil cooler - temperature-sensing auto-reversing fan
  - Charge air cooler - temperature-sensing auto-reversing fan
- Electrical system master disconnect switch
- Electrical joystick/foot pedal controls
- Emergency escapes, 3 (front window, side door and roof hatch)
- Engine, Cummins QSL9, 9 Liter, 331 HP (247 KW) Peak @ 1600 rpm
- Engine compartment service light
- Engine interface monitoring system
- Final drives, Komatsu with spring-applied oil released track brakes
- Fire extinguisher, 10 lb. hand held
- Fuel water separator
- Heater, charge oil relief
- Horn, electric
- Hydraulic system, load sensing
- Hydraulic tank oil refill pump, 24V
- Hydraulic tank vacuum pump
- Instrument panel with switches, dials, LED warning lights, and engine stop button
- IQAN-MD4 Digital Control System with 7" (18 cm) LED color touch screen display
- KOMTRAX monitoring system
- Leveling, 4-way HD cab leveling (XT445L-5/XT465L-5)
- Light, interior dome LED
- Muffler with blanket
- Operator Identification System
- Pumps:
  - Attachment, 1 x VDPP, 53 gpm (200 ltr/min)
  - Implement, 1 x VDPP, 86 gpm (324 ltr/min)
  - Saw drive, 1 x VDPP, 38 gpm (143 ltr/min)
  - Track drive, 2 x VDPP, 44 gpm (167 ltr/min) each
  - Fan, 2 x Gear, 11 gpm (44 ltr/min) each
  - Charge, 1 x Gear, 25 gpm, (95 ltr/min)
- Radio - AM/FM Weather Band stereo with iPod/MP3 input jack
- Rear view monitoring system (1 camera)
- Rubber debris skirt
- Seat, adjustable high back suspension
- Seat belt, 3" retractable
- Swing bearing, HD 22-bolt single row (XT430-5/XT445L-5)
- Swing bearing HD 37-bolt double row (XT465L-5)
- Swing motor, 56cc
- Track adjusters, hydraulic
- Track chain, grease sealed Komatsu 8.5" (216 mm) pitch
- Track drive, closed loop
- Track motors, 2-speed VDPP auto-shift with variable speed control
- Track rollers
- Track shoes, 24" (600 mm) single grouser
- Track sliders
- Travel alarm
- Travel pedals
- Windows, polycarbonate
  - Front & skylight windows, 1.25" (32 mm)
  - Left, right & rear windows, 0.5" (13 mm)
- Work lights, 11 LED type



**OPTIONAL EQUIPMENT**

- Arms
  - Feller Buncher, 13'0" (3960 mm) straight with tree deflector
- Booms
  - Feller Buncher 14'10" (4530 mm)
- Carrier rollers
- Fire suppression system, automatic liquid chemical
- Heater, fuel-fired jacket water and hydraulic oil pre-heater
- Hydraulic systems
  - Disc saw
  - Bar saw, Intermittent disc saw, Combination disc/bar saw
- Oil cooler, pump drive
- Premium seat, vented and heated
- Track shoes
  - 28" (700 mm) single grouser
  - 28" (700 mm) double grouser (XT430-5)
- Uptime spare parts kits
  - Base machine
  - Engine filters



**ATTACHMENT OPTIONS**

- Quadco 20-22" high speed disc saws
- Quadco 24" high speed disc saws (XT465L-5)



XT430 XT445L XT465L

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*Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.*

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