

# 430FX 430FXL



GB

## Mid-sized power and efficiency

The new Valmet 430FX/FXL feller-buncher/harvester features a new Komatsu engineered undercarriage. The machine includes Komatsu's specially designed carbody and track system with 'up-sized' 8.5" pitch (216mm) track chain. Sturdier Komatsu tracks and thicker dozer-weight shoes increase mobility and improve machine stability in difficult conditions. Plus, the 430FXL (4-way leveling model) incorporates massive Komatsu final drives for even greater performance.

The new machine design also includes a Komatsu engineered main boom with improved structural reinforcements.

The FOPS, ROPS and OPS cab keeps the operator

safe and productive when working in extreme conditions. The cab is large and designed for all-day comfort. Large tinted windows provide the operator with clear view of the work area and controls are positioned to minimize operator fatigue.

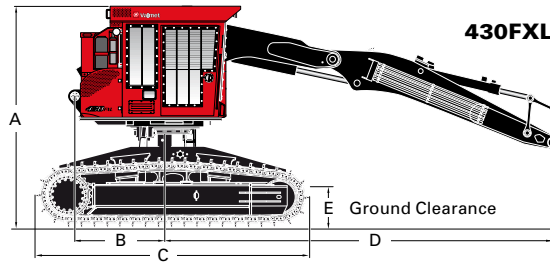
The 430FX/FXL's new 300hp Tier3 Cummins engine is smooth and powerful. It runs cleaner and delivers better overall performance. The Tier3 cooling package has wider cooling fins, which improve cooling, particularly for the hydraulics.

The Valmet 430FX/FXL delivers incredible harvesting capability with next-generation Komatsu components designed to improve machine mobility, reliability and operating performance.

## Technical data

### Dimension

430FX	430FXL
A 11' 10" / 3595 mm	A 12' 5" / 3775 mm
B 4' 10" / 1470 mm	B 4' 10" / 1470 mm
C 16' 1" / 4915 mm	C 15' 1" / 4590 mm
D 21' 5" / 6530 mm	D 21' 5" / 6530 mm
E 29" / 730 mm	E 29" / 730 mm



	Machine Width ft / mm		Ground pressure psi / kPa		
	430FX	430FXL	430FX	430FXL	
		Narrow (Std)	Wide (opt)	Narrow (Std)	Wide (opt)
STD 600 mm (24") Single grouser	10' 4" / 3140	9' 8" / 2935	10' 4" / 3140	7.74 / 53.4	8.16 / 56.3
OPT 700 mm (28") Double grouser	10' 8" / 3240	10' 0" / 3035	10' 8" / 3240	6.8 / 46.9	7.16 / 49.4
OPT 900 mm (36") Triple grouser	11' 3" / 3440	N/A	11' 3" / 3440	5.42 / 37.4	N/A

### Engine

Model	Cummins QSC8.3 Tier-3	
HP	300 HP@ 2000 rpm	
Torque	1000 lb-ft @ 1500 rpm	
Fuel Capacity	430FX	225 US gal / 852 L
	430FXL	185 US gal / 700 L

### Machine Weight (without attachment)

FX Base Machine	60,990 lb / 27660 kg	
	Narrow (Std)	Wide (Opt)
FXL Base Machine	60165 lb / 27290 kg	61150 lb / 27730 kg

\*Note (Approximate "woods ready" operating weight, fully serviced including 1/2 tank fuel and 175 lb (80 kg) operator.)

### Cab Leveling FXL

Front	27° 51%
Rear	5° 9%
Side	20° 36%

### Cutting Area (Std length boom, to attachment)

Maximum	21' 5" / 6530 mm
Minimum	7' 6" / 2290 mm
Swath	13' 11" / 4240 mm

### Lifting Capacity (without attachment)

@10' (3.05m)	24250 lb / 11000 kg
@15' (4.57m)	18200 lb / 8255 kg
@20' (6.10m)	11500 lb / 5216 kg

### Track System

Heavy duty forestry undercarriage includes Komatsu 8.5" pitch size with 600mm (24") single grouser shoes, sealed and lubricated chain assembly, high reliability final drives and 2-speed auto-shift track motors.

Tractive effort	61775 lb / 28010 kg	
Effort to weight ratio	430FX	1.01:1
	430FXL	1.03:1
Speed	0-3.0mph / 0-4.8km/h	

### Hydraulics

Implement circuits feature digital control system and 9-section main control valve. Each track drive features its own closed loop hydrostatic circuit and separate 55 US gal/min (208 L) pump. Independent horsepower control for track drive and implement systems. 95 gallon hydraulic oil reservoir.

### Swing

Swing Torque	47100 lb-ft 63730 Nm
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### Boom

Box construction with 3" (76 mm) minimum diameter pins and legendary Timbco setback boom geometry. Main to stick knuckle joint 3 1/2" pin.

### Machine Control system

Engine management

- Electronic interface between machine function and engine
- Anti-engine stall independent for track and implement systems

### Operator push button interface

- Function speed
- Function smoothness
- Separate settings for 3 operators plus factory default
- Multiple languages

### System self-diagnostics

### Troubleshooting features

- On board multi-meter
- Error logging event memory

### Machine protection

- Over and under temperature conditions results in reduced machine output
- System records all at-limit events

### Attachments and Options

Standard and extra equipment are market-dependent and vary between countries. The specification describes possible equipment, which is either standard or optional. Stated weights are based on standard equipment.

- Track shoe widths
- 4 boom options
- Fire suppression System
- 1 1/4" (32 mm) front window
- Engine and cab accessories
- Hydraulic pump, valve and line

Specifications and designs are subject to change without notice.