

TIMBERPRO

A Komatsu forestry brand

TB630D feller buncher



Photo may include optional equipment

Operating weight

62,150 lbs. (28,250 kg)

Rated horsepower

350 HP (261 kW) @ 1,800 rpm

Specifications

Engine

Model	Cummins L9	
Type	Water cooled, 4-cycle, XPI fuel system	
Aspiration	eVGT, after cooled	
No. of cylinders	6	
Bore	4.49 in	114 mm
Stroke	5.86 in	145 mm
Engine displacement	543 in ³	8.9 L
Horsepower		
SAE J1995	Rated 350 HP (261 kW) @ 1,800 rpm	
Fan drive type for radiator cooling	Hydraulic, variable speed, auto reverse	
Governor	All-speed control, electronic	

U.S. EPA Tier 4 Final emission certification

Hydraulic system

Type: load sense, pressure compensated, open loop system and dedicated closed loop systems

Hydraulic control modes	SAE/US/US mod, custom attachment settings	
Pumps	Implement, swing, attachment, travel, charge, fan, auxiliary	
Main pump type	Variable displacement piston type	
Maximum flow	115 gpm	435 L/min
Saw flow	38 gpm	143 L/min

Coolant (refilling) and lubricant capacity

Fuel tank	145 gal	548 L
Coolant	13.5 gal	51 L
Engine	6.25 gal	23.6 L
Hydraulic tank	64 gal	242 L
DEF tank	15 gal	56.8 L

Swing system

Drive method	Hydrostatic closed loop	
Swing reduction	Planetary gear	
Swing circle, lubrication	External tooth, greased	
Holding brake/swing lock	Oil bath multi-disk, spring applied, hydraulic release	
Swing speed	6.6 rpm	
Swing torque	54,334 lb-ft (73.67 kN/m)	
Maximum reach to pin	23' 10" (7,275 mm)	
Max working swath	See drawing on next page for details	
Max tail swing radius	5' 10" (1,778 mm)	
Working radius - minimum, @ 4' 11" (1.5 m) above ground	8' 3" (2,502 mm)	
Lift capacity @ 20' (6.1 m), @ 4' 11" (1.5 m) above ground	14,500 lbs. (6,577 kg)	
Bare pin lift at full reach, @ 4' 11" (1.5 m) above ground	10,000 lbs. (4,535 kg)	

Frame, drive and axles

Main frame type	Plate/box	
Axle type	Front: bogie axle (20 ton) Rear: single axle (17 ton)	
Drive/travel motor type	Hydrostatic	
Final drive	Planetary gear	
Maximum tractive effort	58,303 lbf	259.3 kN
Travel speed	Two speed ranges	
Parking brake method	Oil bath multi-disk holding brake, spring applied, hydraulic release	
Steering controls	Joystick	
Ground clearance at axle with standard tire	18"	457 mm
Standard tire size	Front: (4) 710/45 - 26.5 F2-800 Rear: (2) 750/55-26.5	
Optional tire size	Front: (4) 750/55 - 26.5 TRS-800 Rear: (2) 28L-26	
Frame articulation lock type	No frame articulation	

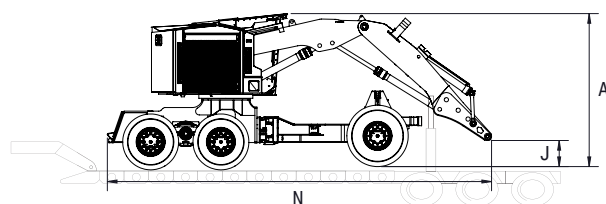
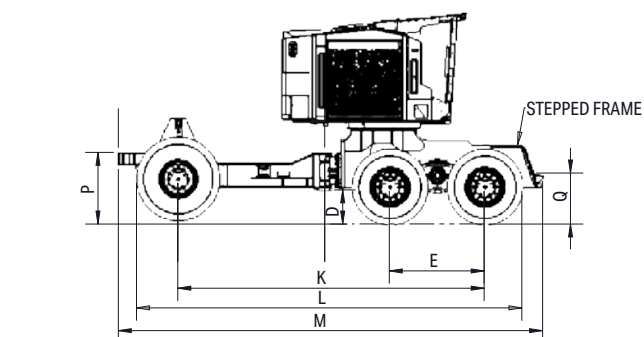
Operating weight

Machine configuration:

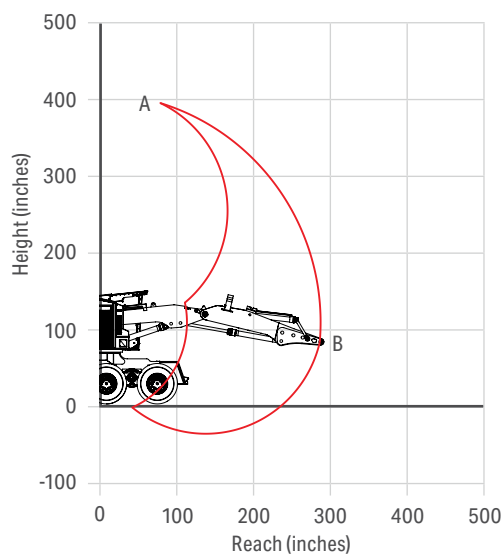
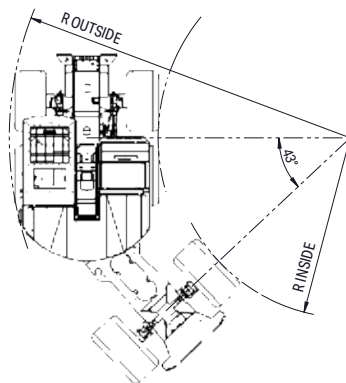
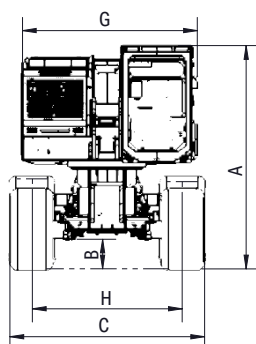
Feller buncher boom
Tool tilt
Disk saw hydraulics
Standard tires (710s, 750s)

Operating weight	62,150 lbs.	28,250 kg
Front axle ground pressure - no attachment - transport position - std tire	11.81 psi	0.83 kg/cm ²
Rear axle ground pressure - no attachment - transport position - std tire	15.79 psi	1.11 kg/cm ²

Dimensions



Transport dimensions: See A, C, J and N



Dimensions and weights

A	Overall height for transport (std)	12' 5" (3,780 mm)
B	Ground clearance (axle, std tire)	18" (460 mm)
C	Overall transport width (rear tire narrow) (rear tire wide)	9' 8" (2,997 mm) 10' 5" (3,277 mm)
D	Ground clearance, articulation center (std tire)	20" (515 mm)
E	Distance between bogie hubs, (center to center)	5' 7" (1,690 mm)
G	Overall body width (widest point)	8' 7" (2,616 mm)
H	Tire track width, center to center	8' 3" (2,522 mm)
J	Height of arm off deck for transport	25" (635 mm)
K	Wheel base on ground (std)	17' 11" (5,461 mm)
L	Wheel base, overall (std tire, std frame)	22' 7" (6,883 mm)
M	Overall frame length	24' 10" (7,569 mm)
N	Overall length for transport (std tire, std frame)	30' 4" (9,240 mm)
P	Machine height, rear of rear frame (std tire, std single counter weight)	4' 2" (1,276 mm)
Q	Machine height, front frame tie down point (stepped frame) (std frame)	2' 11" (889 mm) 3' 5" (1,050 mm)
R	Min turning radius (std tire, wide installation, std frame)	R inside: 13' 6" (4,109 mm) R outside: 24' 11" (7,602 mm)
	Overall height highest point body	See dimension A

Range of motion chart TB630D feller buncher

A	32' 11" (10,027 mm)
B	23' 10" (7,275 mm) @ 4' 11" (1.5 m) above ground

Equipment

Engine and related components

350 HP (261 kW) Cummins QSL9 (Stage V) engine	•
1,151 lb-ft (1,561 N-m) @ 1,800 rpm	
Single module DOC/DPF/SCR	•
eVGT, after cooled	•
Hydraulic variable speed cooling fan with auto reverse	•

Operator environment

ROPS/FOPS/OPS certified cabin with three egress routes	•
Continuous rotation swing upper	•
Digital climate control system, filtered fresh air intake and pressurized cabin	•
AM/FM/WB radio with Bluetooth® handsfree and USB input	•
IQAN MD4 HD control system with 10" touchscreen	•
Left and right joystick controls for machine operation	•
Coordinated boom operations	•
Standard seat - air ride and heated, with lumbar adjust	•
Deluxe seat - air ride, heated and cooled with lumbar adjust	○
Seat belt harness	•
Rear mounted camera system	•
Cup holder	•
Interior LED lights	•
English decals	•
Paint - TimberPro red	•
Paint - custom color	○

Serviceability

Rear opening powered hood to access engine bay and hydraulic components	•
Side access service doors	•
Hydraulic tank vacuum system	•
Electric hydraulic oil fill pump	•
Hydraulic reservoir oil level sight glass	•
Hydraulic low oil level warning indicator	•

Hydraulic system

Implement pump	○
Drive pump	•
Swing pump	•
Charge pump - gear pump	•
Charge filter non bypass, 6 micron	•
Return filters with bypass, 10 micron	•
Case drain filter with bypass, 10 micron	•
Hydraulic oil cooler	•

Electrical system

24V electrical system with battery disconnect	•
Alternator, 100 ampere, 24V	•
Batteries, 2 × 12V	•
Working lights - LED high-intensity lighting	•

Standard equipment	•
Optional equipment	○

Drivetrain

Bogie, 20 ton	•
Single axle, 17 ton	•
Outboard planetary finals	•
Gearbox - dual speed hydrostatic	•
Internal wet multi-disk parking brake, hydraulic released	•

Guards and covers

Articulation stops for bogie axle	•
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Tires

Front 710/45 - 26.5 F2-800 (standard)	•
Rear 750/55 - 26.5 TRS	•
710/45 - 26.5 TRS	○
750/55 - 26.5 ELS or TRS	○
Rear 28L - 26	○
Rim spacing - wide	•
Rim spacing - narrow	○

Front frame, rear frame

Standard front frame	•
Front frame, hydraulic dozer blade provision	○
Front frame, with hydraulic step	○
Standard rear frame	•

Work equipment - attachments

Buncher boom set with 23' 10" reach	•
Hydraulics for hot saw, tool tilt	•
Hydraulics for other attachments	○
Dozer blade	○

Optional equipment

Komtrax monitoring system	○
Fire suppression system	○
Diesel Espar pre-heater with timer	○
120V AC plug-in engine block pre-heaters	○
120V AC plug-in hydraulic tank heater	○
Uptime kit	○

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