

TIMBERPRO

A Komatsu forestry brand

TL775D
feller buncher



Photo may include optional equipment

Operating weight
94,156 lbs. (42,708 kg)

Rated horsepower
390 HP (291 kW) @ 2,100 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 390 HP (291 kW) @ 2,100 rpm	
Fan drive type for radiator cooling	Hydraulic, variable speed, auto reverse	
Governor	All-speed control, electronic	
Peak engine torque	1,324 lb-ft (1,795 Nm)	

U.S. EPA Tier 4 Final emission certification

Hydraulic system

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

Hydraulic control modes	SAE/US/US mod, custom attachment settings	
Pumps	Implement, swing, attachment, dual track, charge, fan, auxiliary	
Main pump type	Variable displacement piston type	
Hydraulic pumps	Imp, swing, attach, dual track, charge, fan, aux	
Saw flow	39 gpm	148 L/min
Implement flow	107 gpm	405 L/min

Coolant (refilling) and lubricant capacity

Fuel tank	256 gal	969 L
Engine	6.25 gal	23.6 L

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Swing system

Drive method	Dual hydrostatic
Swing reduction	Planetary gear
Swing circle, lubrication	External tooth, lubricated
Holding brake/swing lock	Oil bath multi-disk, spring applied, hydraulic release

Frame, drive and axles

Center frame type/design	HD boxed frame structure with flat bottom, storage trunk, integrated fuel tank
Track frame type/design	HD boxed structure, with shoe support
Drive/travel motor type	Hydrostatic
Final drive	Planetary gear
Track link type	Greased, sealed
Track adjuster type	Grease adj, spring tension
Link pitch	8.5" (216 mm)
Number of links (per side)	51
Number of lower track rollers (per side)	11
Track carrier type, how many (each side)	Slider, dual
Travel speed	Two speed ranges
Parking brake method	Oil bath multi-disk holding brake, spring applied, hydraulic release
Steering controls	Pedals
Travel speed - Two ground speed ranges	

Dimensions

Overall transport width	11' 2" (3,400 mm)
Max boom reach	23' 10" (7,275 mm)
Boom reach @ 4' 11" (1.5 m) above ground	23' 2" (7,061 mm)
Overall height for transport (std)	12' 9" (3,900 mm)
Length on ground for transport	30' 10" (9,398 mm)

*With 600 mm tracks

Equipment

Engine and related components

390 HP (291 kW) Cummins QSL9 (Stage V)	•
1,324 lb-ft (1,795 Nm) @ 2,100 rpm	
Single module DOC/DPF/SCR	•
eVGT, after cooled	•
Hydraulic variable speed cooling fan with auto reverse	•
Air cleaner, dual element with dust collector	•

Operator environment

ROPS/FOPS/OPS certified cabin with three egress routes	•
Reinforced roof hatch, removal tool	•
Skylight	•
1.25" (32 mm) front window	•
Digital climate control system, filtered fresh air intake and pressurized cabin	•
AM/FM/WB radio with Bluetooth® and USB input	•
IQAN MD4 HD control system with 10" touchscreen	•
Left and right joystick electrohydraulic proportional controls for machine operation	•
Coordinated boom operations	•
4-way leveling	•
Automatic leveling control	○
Variable speed travel control	•
Standard seat – air ride and heated, high back with lumbar adjust, folding armrests	•
Deluxe seat – air ride, heated and cooled, high back with lumbar adjust, folding armrests	○
4 pt seat belt harness	•
Rear mounted camera system with dedicated monitor	•
Travel alarm	•
Auxiliary power port connector, 12V	•
Interior LED lights	•
Fire extinguisher	•
English decals	•
Paint - TimberPro red	•
Paint - custom color	○

Serviceability

Rearward open engine hood, power raise	•
Perforated panel, heavy duty service doors and side-hinged cooler doors with tool-less latch closures	•
Retractable step for operators cabin	•
Hydraulic tank electric vacuum system	•
Electric hydraulic oil fill transfer pump	•
Storage trunk, ground level access	•

Electrical system

24V electrical system with battery disconnect	•
Alternator, 110 ampere, 24V	•
Batteries, 2×12V	•
Battery disconnect switch	•
Working lights - LED high intensity lighting	•
LED lighting on work equipment, guarded	•

Standard equipment	•
Optional equipment	○

Hydraulic system

Implement pump	•
Combination hydraulics, valves and plumbing for harvester configuration	○
Charge filter non-bypass, 20 micron	•
Return filters with bypass, 10 micron	•
Case drain filter with bypass, 10 micron	•
Hydraulic air-to-oil cooler	•
Feller buncher standard hydraulics, hot saw only	•
Feller buncher combination hydraulics	○
Harvester hydraulics, telescopic arm	○
Hydraulics for other attachments	○

Guards and covers

Work equipment cylinder guards, deflector	○
Sliding protective cover, boom to chimney	○
Carbody debris shields, rubber	•
Boom lines debris shields, rubber	○
Track rail rock guards, full length	•
Engine air intake deflector	•

Frame, undercarriage and tracks

TL carbody, leveling	•
Standard width boxed frame flat bottom forestry carbody with storage trunk and fuel tank	•
Wide width boxed frame flat bottom forestry carbody with storage trunk and fuel tank	○
Wide width carbody with integrated tethering points	○
Heavy duty towing attachment point	•
24" (600 mm) single grouser track shoes	•
28" (700 mm) single grouser track shoes	○
Track carrier sliders, dual	•
Track rollers, heavy duty, 11 per side	•
51 links per side, sealed	•
Heavy duty spring track tensioner	•
Parking/travel brake, wet multi-disk, hydraulic release	•

Upper swing system, work equipment and attachments

Continuous rotation upper, dual-ball, lubricated swing mechanism	•
Planetary gear swing reduction drives, with wet multi-disk swing holding brake	•
Hydraulic swing energy recovery system	•
Feller buncher boom and arm work equipment, tool tilt	•

Optional equipment

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

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