

TIMBERPRO

A Komatsu forestry brand

TF830D forwarder



Photo may include optional equipment

Operating weight

62,060 lbs. (28,150 kg)

Rated horsepower

350 HP (261 kW) @ 1,800 rpm

Specifications

Engine

Model	Cummins L9	
Type	Water-cooled, 4-cycle, XPI fuel system	
Aspiration	Variable geometry turbo, aftercooled	
No. of cylinders	6	
Bore	4.49 in	114 mm
Stroke	5.86 in	145 mm
Piston displacement	543 in ³	8.9 L
Horsepower		
SAE J1995	Gross 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 and dedicated closed loop systems

Hydraulic control modes	SAE/US/US modified, custom attc. settings	
Pumps	Implement, swing, attachment, travel, charge, fan, auxiliary	
Main pump type	Variable displacement piston type	
Maximum flow	96 gpm	363 L/min

Coolant (refilling) and lubricant capacity

Fuel tank	100 gal	378 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

Operating weight

Machine configuration:
Standard forwarder boom
Standard rear frame with floating bunk
Telescopic stick
Basic hydraulics with Rotobec grapple

Operating weight	62,060 lbs.	28,150 kg
Load bunk capacity std frame w/ floating bunk	778.69 ft ³	22.05 m ³
Gross load capacity std frame w/ floating bunk	24,250 lbs.	11,000 kg
Front axle ground pressure loaded w/ grapple - transport position - std tire	13.22 psi	0.93 kg/cm ²
Rear axle ground pressure loaded w/ grapple - transport position - std tire	16.36 psi	1.15 kg/cm ²

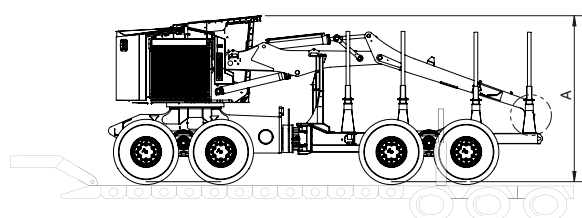
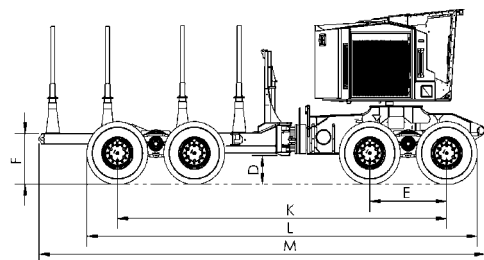
Swing system

Drive method	Hydrostatic closed loop	
Swing reduction	Planetary gear	
Swing circle lubrication	Lubricated, internal tooth	
Holding brake/swing lock	Oil bath multi disk, spring applied, hydraulic release	
Swing speed	6.6 rpm	
Swing torque	54,334 lbs.-ft (73.7 kN/m)	
Maximum reach to pin	Fixed stick: 25' 7" (7,800 mm) Telescopic stick: 32' 1" (9,784 mm)	
Max working swath	See drawing on next page for details	
Bare pin lift capacity @ 20 feet (6.1 m), 1.5 meters off ground	Grapple fixed stick: 12,000 lbs. (5,443 kg) Grapple telescopic stick: 12,000 lbs. (5,443 kg) Processor telescopic stick: 13,500 lbs. (6,123 kg)	
Working radius - minimum, 4' 11" (1.5 m) off ground	Fixed stick: 4' 11" (1,506 mm) Telescopic stick: 5' 6" (1,668 mm)	
Bare pin lift at full reach (full), 4' 11" (1.5 m) off ground	Grapple fixed stick: 7,000 lbs. (3,175 kg) Grapple telescopic stick: 5,000 lbs. (2,267 kg) Processor telescopic stick: 6,000 lbs. (2,721 kg)	

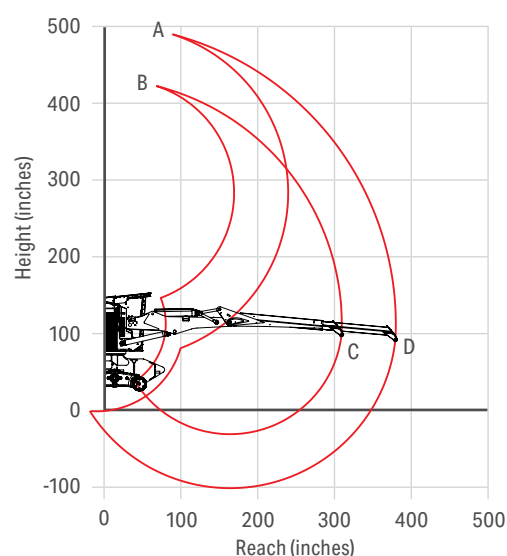
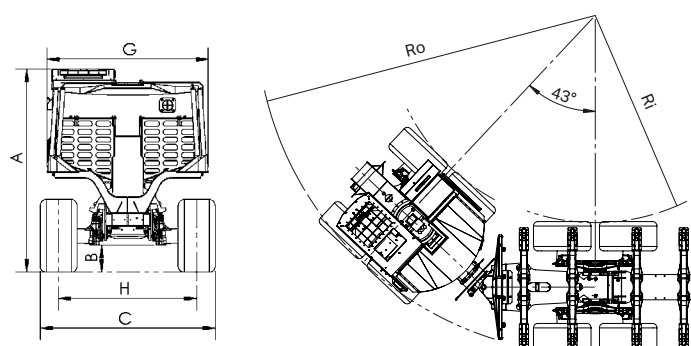
Frame, drive and axles

Main frame type	Plate/box	
Axle type	Front/rear: bogie axle (20 ton)	
Drive/travel motor type	Hydrostatic	
Final drive	Planetary gear	
Maximum tractive effort	60,000 lbf	267 kN
Max travel speed		
High	10.97 mph	17.65 km/h
Low	4.90 mph	7.89 km/h
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
Max tail swing radius	5' 10"	1,778 mm
Standard tire size	710/45 - 26.5 F2-800	
Optional tire size	750/55 - 26.5 TRS-800	
Frame articulation lock type	Disk brake	

Dimensions



Transport dimensions: See A, C and M

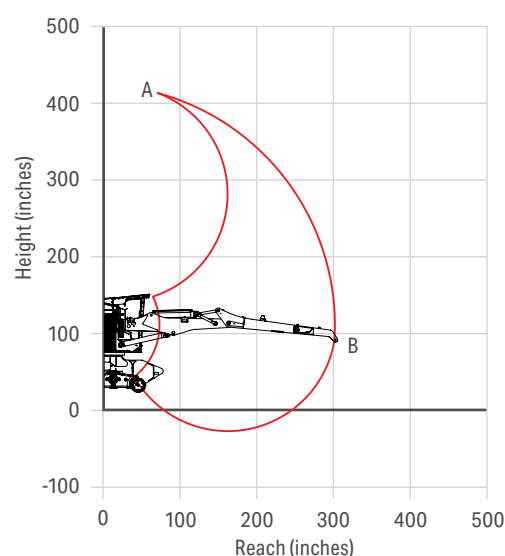


Range of motion chart TF830D telescopic arm

A	41' (12,497 mm)
B	35' 4" (10,744 mm)
C	26' 1" (7,950 mm) @ 4' 11" (1.5 m) above ground
D	31' 1" (9,779 mm) @ 4' 11" (1.5 m) above ground

Dimensions and weights

A	Overall height for transport (std)	12' 3" (3,683 mm)
B	Ground clearance (axle, std tire)	18" (457 mm)
C	Overall transport width (std tire)	Wide installation: 10' 7" (3,226 mm)
D	Ground clearance, articulation center (std tire)	22" (559 mm)
E	Distance between bogey hubs, (center to center)	5' 7" (1,690 mm)
F	Machine height, rear of rear frame (std tire)	3' 7" (1,092 mm)
G	Overall body width (widest point)	10' (3,048 mm)
H	Tire track width, center to center (std tire)	Wide: 8' 4" (2,540 mm) Narrow: 7' 5" (2,261 mm)
K	Wheel base on ground (std)	23' 9" (7,239 mm)
L	Wheel base, overall (std tire, std frame)	28' 2" (8,585 mm)
M	Overall length for transport (std tire, std frame w/ floating bunk)	32' 2" (9,804 mm)
R	Min turning radius (std tire, wide installation, std frame)	R inside: 17' 9" (5,413 mm) R outside: 28' 7" (8,708 mm)
	Overall height highest point body	See dimension A



Range of motion chart TF830D

A	34' 8" (10,566 mm)
B	25' 7" (7,798 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	•
Retractable step for operators cabin	•
Hydraulic tank vacuum system	•
Electric hydraulic oil fill pump	•
Fuel tank - 100 gal (378 L)	•
Hydraulic reservoir oil level sight glass	•
Hydraulic low oil level warning indicator	•

Hydraulic system

Implement pump	•
Drive pumps - dedicated	•
Swing pump - dedicated	•
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

Axles front - bogie 20 ton	•
Axles rear - bogie 20 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

710/45 - 26.5 F2-800	•
710/45 - 26.5 TRS	○
750/55 - 26.5 ELS or TRS	○
Rim spacing - wide	•
Rim spacing - narrow	○

Front frame, rear frame and bunks

Standard front frame	•
Front frame, hydraulic dozer blade provision	○
Front frame, with hydraulic step	○
Heavy duty caliper frame oscillation lock, 26"	•
Standard rear frame with headboard	•
24" additional rear bunk length, foot boom	○
Floating bunk, rear hinged frame, flat, no bunks	○
Forwarder 4 × folding log bunks, stakes and headache rack	○
Rear bunk lights	○
Articulation control	•

Work equipment - attachments

Forwarder boom with 25' 7" reach	•
Forwarder boom with 6' telescopic stick for 32' 1" reach (+6' over std)	○
Hydraulics for grapple, fixed stick	•
Hydraulics for other attachments	○
Heavy duty forwarder cylinder	○
Hultdins 360s, 420s and 520s grapple attachment options	○
Fixed heel, fixed stick	○
Fixed heel, telescopic stick	○
Combination attachment quick change stick boom adapter	○
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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