

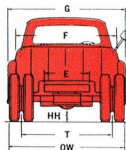
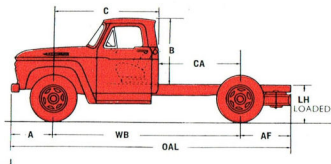
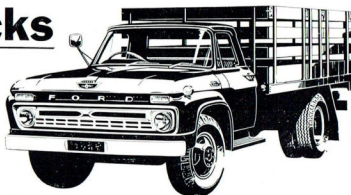
# Ford F Series Trucks

## F500 MODEL

MAX. GVW — 12,600/13,500/14,300/

15,000/19,500

MAX. GCW 20,000 lbs — 22,000 lbs



WB (in)	GVW (lb)	OAL (in)	AF (in)	CA (in)	LH Laden (in)	E (in)	HH (in)	T (in)	OW (in)
156.0	{ 12,600 13,500	228.5	39.0	84.0	*28.9	34.0	10.4	66.5	87.1
174.0	{ 12,600 13,500 14,300 15,000 19,500	268.0	60.5	102.0	*28.9 *28.9 *30.3 *30.3 *31.5	34.0	10.4	66.5	87.1

\* Centre line rear axle.

Other  
Dimensions  
in inches:  
A = 33.5  
B = 48.3  
C = 72.0  
F = 76.9  
G = 89.4

## WEIGHT RATINGS

(approximate, including fuel, oil and water)

	156" W/Base 12,600/13,500 lbs	174" W/Base 12,600/13,500 lbs	174" W/Base 14,300 lbs	174" W/Base 15,000 lbs	174" W/Base 19,500 lbs GVW Single-speed rear axle	174" W/Base 19,500 lbs GVW 2-speed rear axle
FRONT	2,796	2,806	2,857	2,857	2,907	2,907
REAR	1,986	1,991	2,062	2,062	2,182	2,384
TOTAL	4,782 lbs	4,797 lbs	4,919 lbs	4,919 lbs	5,089 lbs	5,291 lbs

## SPRINGS

## WHEELS AND TYRES

GVW (lbs)	W/BASE	FRONT	REAR	GVW (lbs)	W/BASE	TYRES	REAR AXLE
12,600	156"	48" x 2.5" — 7-leaf. Capacity at pad: 1,750 lbs.	46" — 59" x 3" — 10 main, 2 radius leaves. Capacity at pad: 4,500 lbs.	12,600	156"	6.50 x 20 x 8 ply	Single Speed
13,500	174"				174"	6.50 x 20 x 8 ply	Single Speed
14,300	174"	48" x 2.5" — 8-leaf. Capacity at pad: 2,700 lbs.	46" — 59" x 3" — 10 main, 2 radius leaves. Capacity at pad: 6,700 lbs. (Auxiliary: 35.5" x 3" — 4- leaf. Capacity at pad: 2,250 lbs. Optional equipment.)	13,500	156"	F7.00 x 20 x 8 ply	Single Speed
					174"	R7.00 x 20 x 10 ply	Single Speed
				14,300	174"	7.50 x 20 x 8 ply	Single Speed
				15,000	174"	7.50 x 20 x 8 ply	Single Speed
15,000	174"	48" x 2.5" — 8-leaf. Capacity at pad: 2,700 lbs.	46" — 59" x 3" — 10 main, 2 radius leaves. Capacity at pad: 6,700 lbs. (Auxiliary: 35.5" x 3" — 4- leaf. Capacity at pad: 2,250 lbs. Optional equipment.)	19,500	174"	F8.25 x 20 x 10 ply R8.25 x 20 x 10 ply	Single Speed Standard 2-Speed Optional
19,500	174"	48" x 2.5" — 8-leaf. Capacity at pad: 2,700 lbs.	46" — 59" x 3" — 10 main, 2 radius leaves. Capacity at pad: 6,700 lbs. (Auxiliary: 35.5" x 3" — 4- leaf. Capacity at pad: 2,250 lbs. Mandatory option.)			DUAL WHEELS ALL MODELS	

# Ford F500 GVW 12,600 lbs. to 19,500 lbs.

## ABRIDGED SPECIFICATIONS:

**Engine:** Six cylinder O.H.V. 4" bore, 3.18" stroke. Displacement: 240 cu. in. Compression ratio: 8.75:1 standard, 7.0:1 optional. Horsepower: RAC rating, 38.40. Maximum BHP: Gross, 150 at 4,000 r.p.m. Net, 129 at 4,000 r.p.m. Max. torque: 234 lbs./ft. at 2,200 r.p.m. Net, 218 lbs./ft. at 2,000 r.p.m.

**Engine lubrication:** High pressure from high-capacity rotor-type pump with pressure feed to all main and camshaft bearings via drilled passages in engine block and to all connecting-rod bearings through drilled leads in crankshaft. Controlled flow to valve train.

**Oil filtration:** Full-flow oil filtration through a replaceable cartridge-type filter element. Filter assembly base mounted integral with cylinder block. Low back-pressure oil filter design completely eliminating external oil lines.

**Oil capacity:** 6 pints plus 2 pints for filter absorption.

**Fuel:** Down-draught low silhouette carburettor with diaphragm mechanically operated and vacuum operated power valve for maximum power with fuel economy performance. Manually controlled choke with choke and throttle controls interconnected. Oil-bath air cleaner.

**Fuel supply:** By mechanical pump, driven from engine camshaft. Disposable-type fuel filter integrally mounted on the fuel pump protects fuel supply to engine and is readily removable for periodic service or maintenance.

**Fuel tank capacity:** 15.4 Imperial quarts.

**Cooling system:** Pressurised series flow cooling system resulting in direct water flow at high velocity from the front to rear of block then through connecting passages in the cylinder heads over each combustion chamber and back to the outlet at the front for closer temperature control and eliminating hot spots, with the consequent reduction of tendency for engine to detonate. 4-bladed fan, with unique spacing.

**Cooling system capacity:** 15.4 Imperial quarts.

**Electrical:** Coil and distributor with vacuum control for automatic advance and retard. 18 mm. spark plugs. Battery located under cab floor.

**Battery:** 12 volt, 55 amp, 66 plate. Negative terminal grounded.

**Alternator:** 12 volt, 35 amp.

**Clutch:** Hydraulic—operated single dry-disc type. Diameter, 11". Spring-loaded centre for smooth drive. Frictional area, 123.7 sq. in.

**Gearbox:** "New Process" cast iron casing. Four forward, one reverse speed standard equipment. Synchronesh on top, third and second. Constant mesh helical gears in top three speeds.

**Gearbox ratios:** Four speed — First, 6.685:1; second, 3.34:1; third, 1.66:1; fourth, 1:1; reverse, 8.26:1.

**Power take-off:** Six-bolt SAE Power take-off on right-hand side of transmission.

**Gearbox capacity:** 5.4 Imperial pints.

**Drive lines:** Two open propeller shafts provide smooth flow of power from the transmission to the rear axle. All units of the drive line are carefully designed and installed in the chassis with the proper inclination to produce straight line drive with minimum angularity between light and loaded positions. Sliding coupling at front-end of rear shaft.

**Rear axle:** Full floating hypoid type on s/s. Spiral bevel on 2/s.

12,600 lbs. G.V.W.	Timkin C100N. Ratio, 6.2:1.
13,500 lbs. G.V.W.	
14,300 lbs. G.V.W.	
15,000 lbs. G.V.W.	
19,500 lbs. G.V.W.	Single-speed, Timkin F106N
	Ratio, 6.8:1. Rated capacity, 15,000 lbs.
	2-speed Eaton 13802. Ratio, 6.33:8.81.
	Rated capacity, 15,000 lbs.

**Front axle:** Front axle features high strength, heat-treated forged alloy-steel. Rated capacity, 5,000 lbs.

**Frame:** Deep channel-section side members, parallel ladder-type frame construction. Cross-members flanged "U" type with alligator jaw and channel sections. The parallel frame allows installation of both engine and steering-gear mechanism within the protection of side rails.

**Springs:** Semi-elliptical springs front and rear. Front springs are wide span, with low deflection rate for desirable riding qualities and stability. The rear springs are long and wide for proper resilience and to carry the recommended load capacity under the most severe conditions.

**Steering box:** Worm and roller-type steering gear design. Ratio 27.6:1.

**Steering ball sockets:** Tie-rod ends are spring-loaded ball-socket type for automatic take-up of normal ball-socket wear.

**Turning circle diameters:** 174" W/B, 55.95". 156" W/B, 50.68".

All measurements approximate — taken to centre line of outer tyre.

**Brakes:** Fully hydraulic system, vacuum boosted, operated by pedal acting on front and rear wheels. Total area drum lining front and rear combined, 388.5 sq. in.

**Hand brake:** Internal shoe parking brake. Parking brake drum is mounted on the rear of the drive line at the rear of transmission. The brake drum is bolted to the flange of the front universal joint. The internal expanding shoe is self-energising. Area: 42.28 square inches.

**Front brakes:** Single-anchor self-energising type. Dimensions, 14" x 2 1/2".

**Rear brakes:** Two-cylinder independently anchored. Dimensions, 15" x 4".

**Wheels and tyres:** Wheels are pressed-steel disc-type with split spring-steel locking rings. Rim sizes:

12,600 lbs. G.V.W.	20 x 5
13,500 lbs. G.V.W.	20 x 5
14,300 lbs. G.V.W.	20 x 5
15,000 lbs. G.V.W.	20 x 6
19,500 lbs. G.V.W.	20 x 6

**Cab:** All-steel welded structure of 3-man design. Boxed section construction in windshield header and filler posts for maximum safety and durability.

**Cab mounting:** The heavy truck 4-point cab-mount system has a far-reaching effect toward virtually eliminating vibration, noise and torsional twist between cab and frame for greater driver comfort and extended sheet metal life.

**Instrument panel:** Curved panel with easy-to-read full vision instrument cluster containing fuel, oil pressure, ammeter and temperature gauges, speedometer and mileage recorder.

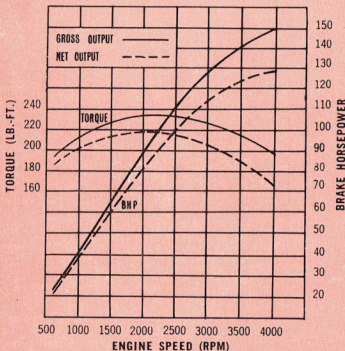
**Seating:** Full-width seat with formed wire springs. Improved basic construction gives added support for back and knees. 4 1/2" finger-tip seat adjustment. Cushion and back-rest covered with durable vinyl.

**Ventilation:** Hi-dri all-weather ventilation, round grille-type defroster vents that direct air to eye level on windshield for quick, safe visibility.

**Chassis equipment:** Included as standard in addition to items mentioned above: Hood, cowl and dash assembly; front fenders; Hi-dri cowl ventilators; steel toe board; instrument panel, ash receptacle; glove box; horn; 2-speed electric windshield wipers; treadle-type accelerator pedal; long arm outside rear view mirror on chassis cab; internal sun visor; standard tools in bag; jack; spare wheel.

## 240 CID 6-CYL. CERTIFIED ENGINE POWER CURVE

Max. Gross B.H.P. 150 @ 4,000 r.p.m.  
Max. Net B.H.P. 129 @ 4,000 r.p.m.  
Max. Gross Torque 234 lbs. ft. @ 2,200 r.p.m.  
Max. Net Torque 218 lbs. ft. @ 2,000 r.p.m.



This leaflet shows the basic specifications for the F500 model. Selection of the right equipment is essential if efficiency and economy of operation are to be achieved. Contact your Ford truck specialist Dealer for full details and let him help you plan the best possible truck to suit your needs.

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