

SPECIFICATIONS

ENGINE

Type	Diesel
Number of Cylinders	3
Bore	3.03 in. (7.7 cm)
Stroke	3.15 in. (8.0 cm)
Displacement	68.16 cu. in. (1117 cc)
Compression Ratio	23 : 1
Firing Order	1-2-3
Low Idle Speed	800~900 rpm
Maximum Speed:	
High Idle	2950-3000 rpm
Rated	2800 rpm
Valve Clearance (Cold Engine):	
Intake	.008 in. (.2 mm)
Exhaust	.008 in. (.2 mm)

CAPACITIES

Fuel Tank	7 U.S. Gals. 5.8 Imp. Gals. 26.6 Liters
Cooling System	3.8 U.S. Qts. 3.2 Imp. Qts. 3.6 Liters
Engine Crankcase:	
Less Filter	3.9 U.S. Qts. 3.3 Imp. Qts. 3.7 Liters
With Filter Change	4.2 U.S. Qts. 3.5 Imp. Qts. 4 Liters
Rear Axle and Transmission	27.5 U.S. Qts. (Includes Hydraulics and Optional Power Steering) 23 Imp. Qts. 26 Liters
Front Axle Differential Case and Final Reduction	3.2 U.S. Qts. 2.6 Imp. Qts. 3 Liters

COOLING SYSTEM

Type	Pressurized Liquid with Recirculating Bypass
Water Pump:	
Type	Centrifugal
Drive	V-Belt
Water Pump Belt	
Deflection	7/16 to 9/16 (10-15 mm) when 20-25 lbs. (9-11 kg) Thumb Force is Applied Midway Between Pulleys.

COOLING SYSTEM — Cont'd.

Fan Diameter	12.8 in. (32.5 cm)
Thermostat:	
Start to Open	160°F (71°C)
Fully Open	185°F (85°C)
Radiator Cap	12.8 psi (.88 bar)

ELECTRICAL SYSTEM

Alternator	12-volt, Heavy Duty, 35 amps
Regulator (Alternator)	Mechanical
Battery	12-volt, 70 amp. Hour Rating with Negative Ground
Starting Motor	Solenoid, Pre-Engaged

FUEL SYSTEM

Type of Fuel to Use	Temperature	Type
Diesel	Above 20°F (-6.7°C)	No. 2D Cetane Rating min 40.
	Below 20°F (-6.7°C)	No. 1D Cetane Rating min 40.
Injection Pump:		
Type		In-Line
Timing		22° BTDC

CLUTCH

Type	8.5 in. (21.59 cm) Dry Disc, Organic Face
Pedal Free-Travel	3/4-1-3/16 in. (19-30 mm)

BRAKES

Type	Drum (Expanding Shoe)
Drum	5.9 in. Diameter (15.0 cm)

STEERING

Type	Manual or Hydraulic power assist
Turn Lock-to-Lock	2.3
Steering Wheel Free-Play	.078-1.38 in. (20-35 mm)
Front Wheel Toe-In	0-13/64 in. (0-5 mm)
Turning Radius	
(Without Brake)	8.4 ft. (255 cm) Two Wheel Drive 9.1 ft. (276 cm) Four Wheel Drive

POWER TAKE-OFF

Type	Transmission
Shaft	1-3/8 in. (3.49 cm)
	6 Spline SAE STD
Engine Speed for 540 rpm	
PTO Operation	2422
Horsepower PTO	
Observed	19.5

HYDRAULIC LIFT SYSTEM

Type	Live Category 1
	3-point Linkage
Pump Type	Gear
Pump Capacity	6.6 U.S. gpm @
(W/O Power Steering)	2133 psi at 2800 rpm
	(5.5 Imp. gpm @
	147 bar @ 2800 rpm)
	5.3 U.S. gpm @
(W/ Power Steering)	2133 psi at 2800 rpm
System Relief Valve	
Setting	2133 psi (147 bar)

CAST IRON WEIGHTS

(3) Front End Weights	33 lbs.
	(15 kg) each
(4) Front Wheel Weights	
(Two Wheel Drive Only)	33 lbs.
	(15 kg) per wheel
(4) Rear Wheel Weights	66 lbs.
	(30 kg) each

Draw Bars

Fixed	Standard
Adjustable	Optional

LUBRICANTS

TRACTOR COMPONENT	LUBRICANT RECOMENDATION	FORD PART NO.
Engine Oil	FORD Super Premium	1QM-2C 121-AMV (Case-24 Qts. 15W-40) 1QM-2C 121-A10 (Case-24 Qts. SAE 10W) 1QM-2C 121-A30 (Case-24 Qts. SAE 30W)
Transmission, Rear Axle, Power Steering and Hydraulic System Oil	FORD 134	1GM-134C (1 Gal.) 5GM-134C (5 Gal.)
Front Wheel Bearings and Lubrication Fittings	M1C-137-B	1TM-1C-137-B (1 Tube)
Front Axles	FORD 134	1 GM-134C (1 Gal.) EOAZ-19580-E (5 Gal.)

NOTE: Should the recommended engine oil not be readily available, use a commercial oil as shown in following chart.

TIRES**Front:**

Standard (AG)

Two Wheel Drive	Four Wheel Drive
4.00-15, F2, 4PR	6-14, R1, 4PR

Optional (TURF)

Two Wheel Drive	Four Wheel Drive
23-8.50-12, 4PR	25-8.50-14, 4PR

Rear:Standard (AG) ... (Two & Four Wheel Drive)
9.5 X 24, R1, 4PROptional (TURF) .. (Two & Four Wheel Drive)
13.6-16, R3, 4PR**WHEEL BOLT TORQUES****Front Wheel**

Disc-to-Hub

Two Wheel Drive	Four Wheel Drive
43-54 lb. ft. (58-73 N.m)	68.6-86.7 lb. ft. (93-117 N.m)

Rear WheelDisc-to-Rim

137-159 lbs. ft.
(186-215 N.m)

Rear Wheel

Disc-to-Axle

137-159 lbs. ft.
(186-215 N.m)

ROPS ATTACHING BOLT TORQUES

ROPS to Trumpet Hsg (M12) ...	80 lbs. ft. (108 N.m)
ROPS to Lower Mount (M16) ...	100 lbs. ft. (135 N.m)
ROPS Crossmember Attachment	60 lbs. ft. (81 N.m)
Seat Belt (M12)	80 lbs. ft. (108 N.m)

IMPORTANT;

Engine crankcase oil drain intervals should be adjusted downward when diesel fuel sulfur content is above 0.5%.

(See page 29.)

GENERAL DIMENSIONS

	Two Wheel Drive	Four Wheel Drive		Two Wheel Drive	Four Wheel Drive
Length	111.6 in. (283.6 cm)	111.6 in. (283.6 cm)	Height:		
Wheelbase	63 in. (160 cm)	63 in. (160 cm)	Top of Steering Wheel	56.2 in. (142.8 cm)	56.1 in. (142.5 cm)
Weight (W/ROPS)	2189 lbs. (993 kg)	2264 lbs. (1027 kg)	Top of ROPS	85.9 in. (218.2 cm)	85.9 in. (218.2 cm)
			Top of Vertical Exhaust	72.5 in. (184.0 cm)	72.0 in. (182.8 cm)
			Width:	50.3 in. (127.8 cm)	50.5 in. (128.2 cm)
			Minimum Ground Clearance	13 in. (33 cm)	11.2 in. (28.5 cm)
			Adjustable Width: Front	39.4–52 in. (100–132 cm)	42.1 in. (107 cm)
			Rear	41.2–52 in. (104.6–132.2 cm)	41.3–47.3 in. (105–120.2 cm)

GROUND SPEEDS

From 1400–2800 RPM Engine Speed
with 9.5×24 Rear Tires

GEAR POSITION	MILES PER HOUR													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
1st	0.4 0.8													
2nd	0.5 1.0													
3rd	0.6 1.3													
4th		0.9 1.7												
5th		1.1 2.2												
6th			1.4 2.9											
7th			1.9 3.8											
8th			2.4 4.9											
9th			3.2 6.3											
10th			3.9 7.7											
11th			4.9 9.9											
12th			6.4 12.7											
R1	0.4 0.8													
R2		1.0 2.0												
R3			2.2 4.4											
R4				4.4 8.9										
	0	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	16.0	17.6	19.2	20.8
	KILOMETERS PER HOUR													