

Specifications—Ford Wheel Loaders

Note: Liquid measures in U.S. qts & gals.

ENGINE	A-62	A-64	A-66
Engine	Ford direct-injection diesel		
Engine model	256 DT turbo	401 D	401 DT turbo
Horsepower, gross	97	115	145
Horsepower, net	72.3 kw	85.8 kw	108.2 kw
Displacement	256 in ³ 4.2 liter	299 in ³ 4.9 liter	300 in ³ 4.9 liter
No. of cylinders	4	6	6
Bore	4.4"	4.4"	4.4"
Stroke	4.2"	4.4"	4.4"
Rated engine speed, rpm	2,100	2,300	2,200
Idle speed, rpm	750	750	750
Maximum torque	243 lb-ft 33.6 m-kp	260 lb-ft 36 m-kp	360 lb-ft 49.8 m-kp
Engine speed @ maximum torque, rpm	1,650	1,450	1,600
Main bearings	5	7	7
Lubrication	pressurized		
Cooling	liquid pressurized, thermostat, recirculating bypass		
Fan, w/air conditioning	puller		
Fan, less air conditioning	pusher		
Air cleaner	dry		
Starting	12V w/key switch and safety start		
TRANSMISSION	A-62	A-64	A-66
Type	power-shift		
Torque converter	two-stage, twin turbine		
Torque multiplication	4.8:1	4.8:1	4.6:1
Clutch packs	multi-disc, hydraulically actuated		
Forward speeds	4	4	4
Reverse speeds	2	2	2
Travel speeds			
Forward, low range, mph	0-5.5	0-6	0-6
km/hr	0-8.9	0-9.7	0-9.7
Forward, high range, mph	0-20	0-21	0-21
km/hr	0-32.2	0-33.8	0-33.8
Reverse, mph	0-7.4	0-8	0-8
km/hr	0-11.9	0-12.9	0-12.9
Soft-Shift	standard		
Clutch disconnect	standard		
Parking/emergency brake	expanding shoe		
AXLES	A-62	A-64	A-66
Make	Ford		
Type	double-reduction, inboard planetary		
Wheels w/14 bolts	3/4" (1.9cm) diameter in 12" (30.5cm) circle		
Rear axle oscillation	24 degrees		
Service brakes	4-wheel, power		
Type	disc type, sealed in oil		
Parking/emergency brake	transmission type		
HYDRAULICS	A-62	A-64	A-66
Hydraulic pump	three-section tandem		
Pump type	gear		
Capacity @ rated engine speed			
Loader section	17 gpm 64.4 liters/min	28 gpm 106	27 gpm 102.2
Swing section	17 gpm 64.4 liters/min	19 gpm 71.9	27 gpm 102.2
Steering section	13 gpm 49.2 liters/min	14 gpm 53	18 gpm 68.1
Reservoir	pressurized		
Pressure	7 psi (0.5 kg/cm ²)		
Reservoir oil capacity	40 gal 151.4 liters	50 gal 189.3	50 gal 189.3
System total capacity	50 gal 189.3 liters	62 gal 234.7	62 gal 234.7
Filter, nominal rating	10 microns		
Pressure relief valve setting	2,500 psi (174.1 kg/cm ²)		
STEERING	A-62	A-64	A-66
Type	power		
Maximum articulation (total)	90 degrees		
Lock to lock, seconds	3		
Number of turns, lock to lock	3 to 4		
Hydraulic pump, type	gear		
Hydraulic pump capacity @ rated engine speed	13 gpm 49.2 liters/min	14 gpm 53	18 gpm 68
HYDRAULIC CYLINDERS	A-62	A-64	A-66
Steering cylinders	single-acting		
Rod diameter	3"	3.75"	4"
Cylinder bore	7.6 cm 3"	9.5 cm 3.75"	10.2 cm 4"
Stroke, maximum	16.94" 43 cm	14.84" 37.7 cm	10.2 cm 37.7 cm

	A-62	A-64	A-66
Bucket cylinder	double-acting		
Rod diameter	2.5"	3"	3"
Cylinder bore	6.4 cm 5.5"	7.6 cm 6"	7.6 cm 6.5"
Stroke, maximum	14 cm 26.91" 68.4 cm	15.2 cm 33.85" 86 cm	16.5 cm 33.85" 86 cm
Lift cylinders	double-acting		
Rod diameter	2"	2.5"	2.5"
Cylinder bore	5.1 cm 4.5"	6.4 cm 5"	6.4 cm 5.5"
Stroke, maximum	11.4 cm 26.35" 66.9 cm	12.7 cm 28.22" 71.7 cm	14 cm 28.22" 71.7 cm
Hydraulic valves	stack		
Type	4-position		
Lift valve w/float	4-position		
Bucket valve w/return-to-dig	3-position		
Auxiliary valve	standard		
Auto return-to-dig	one (1)		
Control lever			
CAPACITIES	A-62	A-64	A-66
Cooling system, less heater	25 qt 23.7 liters	30 qt 28.4	30 qt 28.4
Cooling system w/heater	28 qt 26.5 liters	39 qt 36.9	39 qt 36.9
Crankcase less filter	18 qt 17 liters	24 qt 22.7	24 qt 22.7
Crankcase w/filter	19 qt 18 liters	26 qt 24.6	26 qt 24.6
Transmission	36 qt 34.1 liters	36 qt 34.1	36 qt 34.1
Front axle	30 qt 28.4 liters	36 qt 34.1	36 qt 34.1
Rear axle	30 qt 28.4 liters	30 qt 28.4	36 qt 34.1
Hydraulic reservoir oil cap.	40 gal 151.4 liters	50 gal 189.3	50 gal 189.3
Fuel tank	40 gal 151.4 liters	50 gal 189.3	50 gal 189.3
Brake master cylinder	3 qt 2.8 liters	3 qt 2.8	3 qt 2.8
OPERATING DATA	A-62	A-64	A-66
Standard bucket capacity	1.5 yd ³ 1.2m ³	2 yd ³ 1.5m ³	2.5 yd ³ 1.9m ³
Shipping weight	16,300 lb 7393.6 kg	21,000 lb 9525.4 kg	25,300 lb 11475.9 kg
Breakout, maximum	17,000 lb 7711.1 kg	20,900 lb 9480 kg	23,000 lb 10432.6 kg
Raise time, sec.	6.1	6.1	6.7
Lower time, sec.	3.2	3.6	3.2
Dump time, sec.	1.3	1.6	1.6
OPERATING WEIGHTS*	A-62	A-64	A-66
*Operating weights based on following per SAE J 732C: Ford A-62 equipped with 15.5—25 tires w/75% CaCl ₂ in rear tires, cab. Ford A-64 equipped with 17.5—25 tires w/75% CaCl ₂ in rear tires, cab. Ford A-66 with 20.5—25 tires, w/75% CaCl ₂ in rear tires, cab.			
w/1.5 yd ³ bucket	18,900 lb 8572.9 kg		
w/1.75 yd ³ bucket	19,000 lb 8618.3 kg		
w/2 yd ³ bucket	19,150 lb 8686.3 kg	23,460 lbs 10641.3 kg	
w/2.25 yd ³ bucket		23,580 lb 10695.7 kg	
w/2.5 yd ³ bucket		23,730 lb 10763.8 kg	28,300 lb 12836.7 kg
w/2.75 yd ³ bucket			28,400 lb 12882 kg
w/3 yd ³ bucket			28,500 lb 12927.4 kg
w/1.5 yd ³ multi-purpose (clam) bucket	19,855 lb 9006.1 kg		
w/1.75 yd ³ multi-purpose (clam) bucket		24,280 lb 11013.2 kg	
w/2.25 yd ³ multi-purpose (clam) bucket			29,070 lb 13185.9 kg
TIPPING LOAD*, 0 DEG	A-62	A-64	A-66
w/1.5 yd ³ bucket	14,000 lb 6350 kg		
w/1.75 yd ³ bucket	13,900 lb 6304.9 kg		

TIPPING LOAD*, 0 DEG (cont'd)

	A-62	A-64	A-66
w/2 yd ³ bucket.....	13,750 lb 6236.9 kg	17,300 lb 7847.2 kg	
w/2.25 yd ³ bucket.....		17,175 lb 7790 kg	
w/2.5 yd ³ bucket.....		17,025 lb 7722.4 kg	21,800 lb 9888.3 kg
w/2.75 yd ³ bucket.....			21,700 lb 9843 kg
w/3 yd ³ bucket.....			21,600 lb 9797.6 kg
w/1.5 yd ³ multi-purpose (clam) bucket.....	13,050 lb 5919.4 kg		
w/1.75 yd ³ multi-purpose (clam) bucket.....		16,475 lb 7472.9 kg	
w/2.25 yd ³ multi-purpose (clam) bucket.....			21,250 lb 9638.8 kg

TIPPING LOAD*, 35 DEG

	A-62	A-64	A-66
w/1.5 yd ³ bucket.....	12,800 lb 5806 kg		
w/1.75 yd ³ bucket.....	12,710 lb 5765.2 kg		
w/2 yd ³ bucket.....	12,675 lb 5749.3 kg	15,800 lb 7166.8 kg	
w/2.25 yd ³ bucket.....		15,690 lb 7116.9 kg	
w/2.5 yd ³ bucket.....		15,550 lb 7053.4 kg	19,900 lb 9026.5 kg
w/2.75 yd ³ bucket.....			19,820 lb 8990.2 kg
w/3 yd ³ bucket.....			19,720 lb 8944.8 kg
w/1.5 yd ³ multi-purpose (clam) bucket.....	11,950 lb 5420.4 kg		
w/1.75 multi-purpose (clam) bucket.....		15,125 lb 6860.6 kg	
w/2.25 yd ³ multi-purpose (clam) bucket.....			19,200 lb 8709 kg

TIPPING LOAD*, 40 DEG

	A-62	A-64	A-66
w/1.5 yd ³ bucket.....	12,450 lb 5647.2 kg		
w/1.75 yd ³ bucket.....	12,360 lb 5606.4 kg		
w/2 yd ³ bucket.....	12,225 lb 5545 kg	15,350 lb 6962.6 kg	
w/2.25 yd ³ bucket.....		15,250 lb 6917.3 kg	
w/2.5 yd ³ bucket.....		15,125 lb 6860.6 kg	19,350 lb 8770 kg
w/2.75 yd ³ bucket.....			19,300 lb 8754.3 kg
w/3 yd ³ bucket.....			19,200 lb 8709 kg
w/1.5 yd ³ multi-purpose (clam) bucket.....	11,600 lb 5261.7 kg		
w/1.75 yd ³ multi-purpose (clam) bucket.....		14,725 lb 6679.2 kg	
w/2.25 yd ³ multi-purpose (clam) bucket.....			19,650 lb 8913.1 kg

GENERAL PURPOSE BUCKETS

	1.5 cu yd	1.75 cu yd	2 cu yd	2.25 cu yd	2.5 cu yd	2.75 cu yd	3 cu yd
Available for models (X)							
Ford A-62.....	X	X	X				
Ford A-64.....			X	X	X		
Ford A-66.....						X	X
Capacity, heaped.....	1.5 yd ³ 1.2 m ³	1.75 yd ³ 1.3 m ³	2 yd ³ 1.5 m ³	2.25 yd ³ 1.7 m ³	2.5 yd ³ 1.9 m ³	2.75 yd ³ 2.1 m ³	3 yd ³ 2.3 m ³
Capacity, struck.....	1.22 yd ³ 0.9 m ³	1.41 yd ³ 1.1 m ³	1.68 yd ³ 1.3 m ³	1.82 yd ³ 1.4 m ³	2.09 yd ³ 1.6 m ³	2.29 yd ³ 1.8 m ³	2.55 yd ³ 2 m ³
Width.....	89.5 in. 227.3 cm	93.5 in. 237.5 cm	95.5 in. 242.6 cm	95.5 in. 242.6 cm	96 in. 243.8 cm	96 in. 243.8 cm	106 in. 269.2 cm
Depth.....	28 in. 71.1 cm	30 in. 76.2 cm	33.3 in. 84.6 cm	34.5 in. 87.6 cm	37.1 in. 94.2 cm	38.9 in. 98.8 cm	39.2 in. 99.6 cm
Weight w/o teeth.....	1,125 lb 510.3 kg	1,225 lb 555.7 kg	1,375 lb 623.7 kg	1,500 lb 680.4 kg	1,650 lb 748.8 kg	1,750 lb 793.8 kg	1,850 lb 839.2 kg
Bucket opening.....	39.6 in. 100.6 cm	42 in. 106.7 cm	43.9 in. 111.5 cm	45.4 in. 115.3 cm	47.9 in. 121.7 cm	51.6 in. 131.1 cm	51.2 in. 130.1 cm
Number of teeth.....	8	8	9	9	9	9	0

TIPPING LOAD*, 45 DEG

	A-62	A-64	A-66
w/1.5 yd ³ bucket.....	12,050 lb 5465.8 kg		
w/1.75 yd ³ bucket.....	11,960 lb 5425 kg		
w/2 yd ³ bucket.....	11,825 lb 5363.7 kg	14,850 lb 6735.9 kg	
w/2.25 yd ³ bucket.....		14,750 lb 6690 kg	
w/2.5 yd ³ bucket.....		14,650 lb 6645.1 kg	18,700 lb 8482.2 kg
w/2.75 yd ³ bucket.....			18,650 lb 8459.5 kg
w/3 yd ³ bucket.....			18,550 lb 8414.1 kg
w/1.5 yd ³ multi-purpose (clam) bucket.....	11,200 lb 5080.2 kg		
w/1.75 yd ³ multi-purpose (clam) bucket.....		14,275 lb 6475 kg	
w/2.25 yd ³ multi-purpose (clam) bucket.....			18,000 lb 8164.7 kg

WEIGHT ADJUSTMENTS**Ford A-62 Loader**

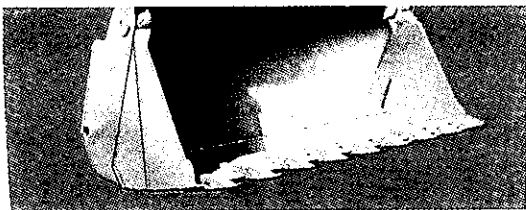
Optional equipment	Weight	Tipping load 0 deg	45 deg
13.0—24 tires w/75% CaCl ₂ in rear	—800 lb —362.9 kg	—700 lb —317.5 kg	—600 lb —272.2 kg
14.0—24 tires w/75% CaCl ₂ in rear	—50 lb —22.7 kg	—45 lb —20.4 kg	—40 lb —18.1 kg
17.5—25 tires w/75% CaCl ₂ in rear	+500 lb +226.8 kg	+595 lb +269.9 kg	+510 lb +231.3 kg
Less ROPS canopy.....	—378 lb —171.5 kg	—350 lb —158.8 kg	—300 lb —136.1 kg
Less ROPS cab.....	—672 lb —304.8 kg	—625 lb —283.5 kg	—538 lb —244 kg
Counterweight.....	+700 lb +317.5 kg	+1,230 lb +557.9 kg	+1,060 lb +480.8 kg

Ford A-64 Loader

20.5—25 tires.....	—610 lb —276.7 kg	—825 lb —374.2 kg	—720 lb —326.6 kg
20.5—25 tires w/75% CaCl ₂ in rear	+1,150 lb +521.6 kg	+1,400 lb +635 kg	+1,300 lb +589.7 kg
Less ROPS canopy.....	—378 lb —171.5 kg	—350 lb —158.8 kg	—300 lb —136.1 kg
Less ROPS cabs.....	—672 lb —304.8 kg	—625 lb —283.5 kg	—540 lb —244.9 kg
Counterweight.....	+700 lb +317.5 kg	+1,300 lb +589.7 kg	+1,120 lb +508 kg
17.5—25 w/75% CaCl ₂ in rear			no change

Ford A-66 Loader

17.5—25 tires.....	—1,465 lb —664.5 kg	—1,615 lb —732.6 kg	—1,385 lb —628.2 kg
17.5—25 tires w/75% CaCl ₂ in rear	—855 lb —387.8 kg	—1,190 lb —539.8 kg	—1,020 lb —462.7 kg
20.5—25 tires.....	—1,920 lb —870.9 kg	—2,300 lb —1043 kg	—2,100 lb —952.5 kg
Less ROPS canopy.....	—378 lb —171.5 kg	—350 lb —158.8 kg	—300 lb —136.1 kg
Less ROPS cab.....	—672 lb —304.8 kg	—625 lb —283.5 kg	—540 lb —244.9 kg
Counterweight.....	+1,120 lb +508 kg	+2,250 lb +1020.6 kg	+1,930 lb +875.4 kg
20.5—25 tires w/75% CaCl ₂ in rear			no change



MULTI-PURPOSE BUCKETS

Available for models (X)

	1.5 cu yd	1.75 cu yd	2.25 cu yd
Ford A-62	X		
Ford A-64		X	
Ford A-66			X
Capacity, heaped	1.5 yd ³ 1.2 m ³	1.75 yd ³ 1.3 m ³	2.25 yd ³ 1.7 m ³
Capacity, struck	1.15 yd ³ 0.9 m ³	1.5 yd ³ 1.2 m ³	1.75 yd ³ 1.3 m ³
Width	96 in. 243.8 cm	96 in. 243.8 cm	106 in. 270.5 cm
Depth	26.2 in. 66.6 cm	26.2 in. 66.6 cm	31.3 in. 79.5 cm
Weight w/o teeth	2,080 lb 943.5 kg	2,200 lb 997.9 kg	2,420 lb 1097.7 kg
Bucket opening	39.4" 100.1 cm	41.6" 105.7 cm	46.2" 117.4 cm
Number of teeth	9	9	9

STANDARD EQUIPMENT

Gauges

Ammeter
Fuel
Engine coolant temperature
Engine oil temperature
Transmission oil temperature
Transmission system pressure
Air cleaner restriction indicator
Hourmeter

Vandalism protection

Lockable:
Instrument panel
Cab doors
Engine side panels
Hydraulic oil reservoir cap
Radiator filler cap access

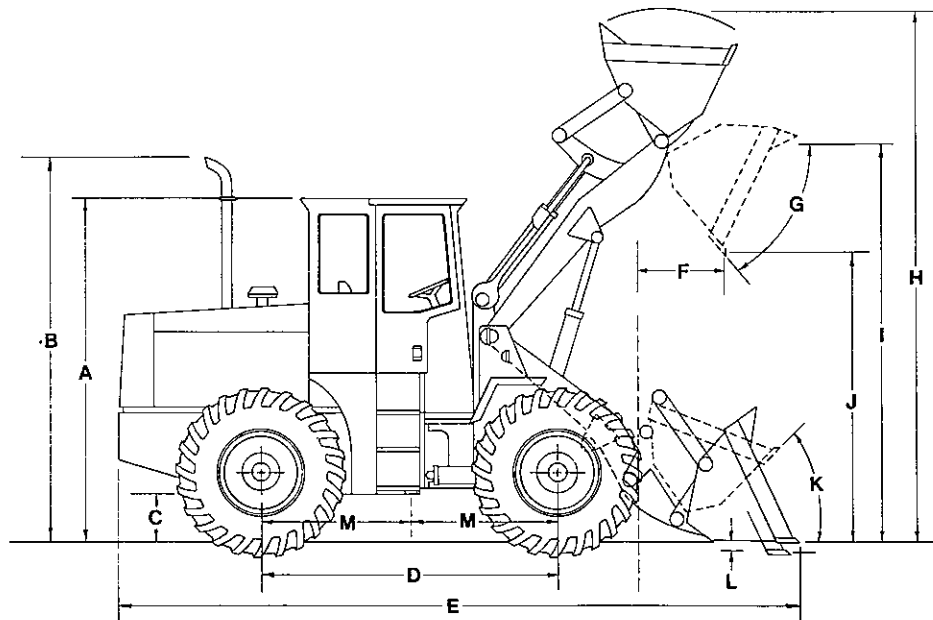
Electrical

Alternator, 51 amp 12-V
Battery, 135 amp 12-V
Travel lights (2) in front frame
Rear lights (2) in combination with brake
Gauge light
Horn

DIMENSIONS

	A-62	A-64	A-66
A Cab and ROPS clearance	10'3" 312.4 cm	10'5" 317.5 cm	10'7" 322.6 cm
B Height overall	11'1" 337.8 cm	11' 335.3 cm	11'5" 348 cm
C Ground clearance	15½" 39.4 cm	16" 40.6 cm	18" 45.7 cm
D Wheelbase	103" 261.6 cm	111" 281.9 cm	111" 281.9 cm
E Length overall			
w/1.5 yd ³ bucket	18'8" 569 cm		
w/1.75 yd ³ bucket	18'10" 574 cm		
w/2 yd ³ bucket	19'1" 581.7 cm	21'5" 652.8 cm	
w/2.25 yd ³ bucket		21'6" 655.3 cm	
w/2.5 yd ³ bucket		21'9" 662.9 cm	21'7" 657.9 cm
w/2.75 yd ³ bucket			21'9" 662.9 cm
w/3 yd ³ bucket			21'9" 662.9 cm
w/1.5 yd ³ multi-purpose (clam) bucket	18'6" 563.9 cm		
w/1.75 yd ³ multi-purpose (clam) bucket		20'10" 635 cm	
w/2.25 yd ³ multi-purpose (clam) bucket			21'1" 642.6 cm

	A-62	A-64	A-66
F Reach @ full lift w/bucket dumped 45 deg			
w/1.5 yd ³ bucket	34" 86.4 cm		
w/1.75 yd ³ bucket	35" 88.9 cm		
w/2 yd ³ bucket	37.4" 95 cm	36" 91.4 cm	
w/2.25 yd ³ bucket		37" 94 cm	
w/2.5 yd ³ bucket		39" 99.1 cm	35" 88.9 cm
w/2.75 yd ³ bucket			36" 91.4 cm
w/3 yd ³ bucket			36" 91.4 cm
w/1.5 yd ³ multi-purpose (clam) bucket	32.4" 82.3 cm		
w/1.75 yd ³ multi-purpose (clam) bucket		31" 78.7 cm	
w/2.25 yd ³ multi-purpose (clam) bucket			31" 78.7 cm
G Dump angle, max		50 deg	
H Maximum lift height to top of bucket			
w/1.5 yd ³ bucket	15'3" 464.8 cm		
w/1.75 yd ³ bucket	15'5" 469.9 cm		
w/2 yd ³ bucket	15'8" 477.5 cm	15'9" 480.1 cm	



Other
Steering lock bar
Drawbar
Tool box
Slow moving vehicle emblem
Ether cold start (0°)
Rollover protective structure

OPTIONAL EQUIPMENT

Rear axle disconnect
Reversible fan
Work lights (less ROPS and cab)
Turn signals/flasher
Deluxe seat w/suspension
Hydraulic valve, 3-position
Engine block heater (-20°)
Back-up alarm
Front fenders
Bucket teeth
Counterweights
Cab w/heater
Cab w/heater and air conditioner
Radio
No-spin differential (front axle)
Rollover protection struction (ROPS)

ROPS to cab conversion kit
Flashing beacon
Lifting eyes
Rear view mirrors
Bucket-mounted crane hook
Belly guards

ATTACHMENTS (ALLIED)

(See back page.)

TIRES (Optional, X)

	A-62	A-64	A-66
G2			
13.0—24, 8-ply.....	X		
13.0—24, 12-ply.....	X		
14.0—24, 12-ply.....	X	X	
14.0—24, 16-ply.....	X	X	
G3			
14.0—24, 12-ply.....	X	X	
14.0—24, 16-ply.....	X	X	

A-62 A-64 A-66

L2			
15.5—25, 12-ply.....	Std.		
17.5—25, 12-ply.....	X	Std.	X
17.5—25, 16-ply.....	X	X	X
20.5—25, 12-ply.....		X	Std.
20.5—25, 16-ply.....		X	X

L3			
15.5—25, 12-ply.....	X		
17.5—25, 12-ply.....	X	X	X
17.5—25, 14-ply.....	X	X	X
20.5—25, 12-ply.....		X	X
20.5—25, 16-ply.....		X	X

L2 tube type, special order

17.5—25, 12-ply.....	X	X	
20.5—25, 12-ply.....		X	X

L3 tube type, special order

17.5—25, 12-ply.....	X	X	
20.5—25, 12-ply.....		X	X

	A-62	A-64	A-66
w/2.25 yd ³ bucket.....		16'	
		487.7 cm	
w/2.5 yd ³ bucket.....		16'4"	16'6½"
		497.8 cm	504.2 cm
w/2.75 yd ³ bucket.....			16'8"
			508'cm
w/3 yd ³ bucket.....			16'9"
			510.5 cm
w/1.5 yd ³ multi-purpose (clam) bucket.....	15'4½"		
	468.6 cm		
w/1.75 yd ³ multi-purpose (clam) bucket.....		15'7"	
		475 cm	
w/2.25 yd ³ multi-purpose (clam) bucket.....			16'2"
			492.8 cm
I Maximum lift to bucket hinge pin.....	11'10"	12'2"	12'5"
	360.7 cm	370.8 cm	378.5 cm
J Dump clearance, full lift w/bucket dumped 45 deg. w/1.5 yd ³ bucket.....	9'2"		
	279.4 cm		
w/1.75 yd ³ bucket.....	9'1"		
	276.9 cm		
w/2 yd ³ bucket.....	8'11"	9'2½"	
	271.8 cm	280.7 cm	
w/2.25 yd ³ bucket.....		9'1½"	
		278.1 cm	
w/2.5 yd ³ bucket.....		8'11¾"	9'2"
		273.7 cm	279.4 cm
w/2.75 yd ³ bucket.....			9'¾"
			276.2 cm
w/3 yd ³ bucket.....			9'½"
			275.6 cm
w/1.5 yd ³ multi-purpose (clam) bucket.....	9'3½"		
	283.2 cm		
w/1.75 yd ³ multi-purpose (clam) bucket.....		9'7½"	
		293.4 cm	

	A-62	A-64	A-66
w/2.25 yd ³ multi-purpose (clam) bucket.....			9'6"
			289.6 cm
K Rollback, at ground.....		45 deg.	
L Maximum digging depth below grade.....	3"	6"	4"
	7.6 cm	15.2 cm	10.1 cm
M Hinge pin to axle.....	51½"	55½"	55½"
	130.8 cm	141 cm	141 cm
Clearance circle			
w/1.5 yd ³ bucket.....	29'10"		
	909.3 cm		
w/1.75 yd ³ bucket.....	29'11"		
	911.9 cm		
w/2 yd ³ bucket.....	30'2"	33'	
	919.5 cm	1005.8 cm	
w/2.25 yd ³ bucket.....		33'	
		1005.8 cm	
w/2.5 yd ³ bucket.....		33'2"	33'4"
		1010.9 cm	1016 cm
w/2.75 yd ³ bucket.....			33'8"
			1026.2 cm
w/3 yd ³ bucket.....			33'8"
			1026.2 cm
w/1.5 yd ³ multi-purpose (clam) bucket.....	29'8"		
	904.2 cm		
w/1.75 yd ³ multi-purpose (clam) bucket.....		33'5"	
		1018.5 cm	
w/2.25 yd ³ multi-purpose (clam) bucket.....			33'
			1005.8 cm
Turning radius	13'8"	14'9"	15'2"
	416.6 cm	449.6 cm	462.3 cm
Overall width (w/std. tires & w/o bucket)	83½"	87½"	91½"
	212.1 cm	222.3 cm	232.4 cm
Tread, front	68"	70"	70"
	172.7 cm	177.8 cm	177.8 cm
Tread, rear	68"	68"	70"
	172.7 cm	172.7 cm	177.8 cm

TIRE SIZE ADJUSTMENTS

Base tires.....
Dimensional changes with optional tires.....

A Cab and ROPS clearance.....
B Height overall.....
C Ground clearance.....
H Maximum lift height to top of bucket..
I Maximum lift to bucket
hinge pin.....
J Dump clearance, full lift
w/bucket dumped 45 deg.....
L Maximum digging depth below
grade.....

Ford A-62

13.0—24

G2 & G3

14—24

+1¼"

+3.2 cm

+1¼"

+3.2 cm

+1¼"

+3.2 cm

+1¼"

+3.2 cm

+1¼"

+3.2 cm

+1¼"

+3.2 cm

+1¼"

+3.2 cm

L2 & L3

15.5—25

—½"

—1.3 cm

—½"

—1.3 cm

—½"

—1.3 cm

—½"

—1.3 cm

—½"

—1.3 cm

—½"

—1.3 cm

—½"

—1.3 cm

L2 & L3

17.5—25

+1"

+2.5 cm

+1"

+2.5 cm

+1"

+2.5 cm

+1"

+2.5 cm

+1"

+2.5 cm

+1"

+2.5 cm

+1"

+2.5 cm

Ford A-64

17.5—25

L2 & L3

20.5—25

+2"

+5.1 cm

+2"

+5.1 cm

+2"

+5.1 cm

+2"

+5.1 cm

+2"

+5.1 cm

+2"

+5.1 cm

+2"

+5.1 cm

Ford A-66

20.5—25

L2 & L3

17.5—25

—2"

—5.1 cm

—2"

—5.1 cm

—2"

—5.1 cm

—2"

—5.1 cm

—2"

—5.1 cm

—2"

—5.1 cm

+2"

+5.1 cm

FORD 23—93-HP ALL-PURPOSE AND UTILITY TRACTORS

ENGINES: Ford gasoline;
Ford direct-injection diesels

	1000 DIESEL	2000 DIESEL	2000 GAS	3000 DIESEL	3000 GAS	4000 DIESEL	4000 GAS
Bare engine hp*	23 (PTO)	39.0	37.5	46	48.7	62.3	63.7
Net flywheel hp (IEMC)		35.0	34.0	41.4	43.8	57.0	56.5
No. of cylinders	2	3	3	3	3	3	3
Bore, in.	3.54	4.2	4.2	4.2	4.2	4.4	4.4
Stroke, in.	3.94	3.8	3.8	4.2	3.8	4.4	4.4
Displacement, cu in.	77.7	158	158	175	158	201	201
Compression ratio	21:1	17.5:1	7.75:1	16.5:1	7.75:1	16.5:1	7.75:1
Rated engine speed, rpm	2,500	2,000	2,000	2,000	2,100	2,200	2,200
Maximum torque* lb-ft		110	107	131	128	167.6	175.2
Engine speed @ maximum torque, rpm		1,200	1,350	1,150	1,350	1,300	1,100
Main bearings		4	4	4	4	4	4
Lubrication				Pressurized			
Cooling				Pressurized, thermostat w/bypass			
Air cleaner	Oil-bath	Oil-bath	Dry	Oil-bath	Dry	Oil-bath	Dry
Starting				12 V w/key switch and safety lock			

*Corrected to 60 deg F, and 29.92 in. Hg.

Engine clutch 8.5 in. Heavy-duty, dry disc, 11 in. diam. (w/manual-shift transmissions)

Transmissions:

6-speed		X		X			
8-speed		X		X		X	
Manual reversing 6x4		X		X			
10-speed power-shift				X		X	
9-speed	X						

Final drive

Brakes	Mechanical	Single reduction	Single reduction	Double Reduction
Steering	Manual	Mechanical, expanding shoe	Recirculating ball	Mechanical, wet discs
Steering wheel turns, stop to stop		Recirculating ball	Recirculating ball	Recirculating ball
		2.6	2.6	4.8

CAPACITIES

Fuel tank, gal	5.8	13	13	16
Engine lubrication w/filter, qt	5.3	7	7	7
Transmission:				
6-speed, qt		14.4	13.8	
8-speed, qt		14.4	13.8	13.8
Manual reversing, 6x4, qt		13.8	13.8	
10-speed, qt		12.0	12.0	13.25
9-speed, qt	21			
Cooling system, qt	5.6	13.2	13.8	14.0
Rear axle and hydraulic system, qt	10.5	24.6	24.6	33.9

DIMENSIONS

Wheelbase, in.	62.6	75.8	75.8	84.5
Rear wheel tread, adj., in.	48-58	52-76	52-76	52-80
with power-adjustable wheels, in.				56-90
Front wheel tread, adj., in.	43-60	52-80	52-80	52-80
Overall length, in.	100	126.5	127.0	137.5
Overall width @ 52-in. tread, in.		63.2	64.0	67.5
Turning radius				
w/brakes	98	117	117	120
wo/brakes	107	129	129	138
Ground clearance, min, in.	14	12.6	13.4	17.3

BASIC MODELS

	1000 DIESEL	2000 DIESEL	2000 GAS	3000 DIESEL	3000 GAS	4000 DIESEL	4000 GAS
6-speed transmission with 540 rpm transmission-drive PTO		21012B	21022B	31012B	31022B		
8-speed transmission with 540 rpm transmission-drive PTO		21012C	21022C	31012C	31022C	41012C	41022C
with 540 rpm live PTO		21013C	21023C	31013C	31023C		
with 540 rpm independent PTO						41014C	41024C
9-speed transmission with 540 rpm transmission-drive PTO	11012C						
10-speed transmission with 540 rpm independent PTO				31014E	31024E	41014E	41024E
with 540/1000 rpm independent PTO				31016E	31026E	41016E	41026E
Manual reversing 6x4 with 540 rpm transmission PTO		21012K	21022K	31012K	31022K		
Weight, lbs (approx.)	2310	3617	3541	3846	3657	4528	4415

TRAVEL SPEEDS, MPH @ rated engine rpm

	1000	2000 w/28-IN. REAR 6-SPEED	2000 w/28-IN. REAR 8-SPEED	2000 w/28-IN. REAR 10-SPEED	3000 w/28-IN. REAR 6-SPEED	3000 w/28-IN. REAR 8-SPEED	3000 w/28-IN. REAR 10-SPEED	4000 w/28-IN. REAR 6-SPEED	4000 w/28-IN. REAR 8-SPEED	4000 w/28-IN. REAR 10-SPEED
1st gear	0.8	1.4	1.6	2.4	1.4	1.6	1.0	2.5	1.5	1.1
2nd gear	1.1	2.6	2.0	4.2	2.6	2.0	1.4	4.1	2.0	1.5
3rd gear	1.5	4.2	3.6	5.8	4.2	3.6	1.6	5.9	3.5	1.8
4th gear	2.0	5.8	4.8	8.6	5.8	4.8	2.2	8.9	4.7	2.4
5th gear	2.8	7.6	5.8	15.1	7.6	5.8	3.6	15.4	5.6	4.0
6th gear	3.8	17.4	7.2	20.6	17.4	7.2	4.6	21.0	7.0	5.1
7th gear	4.6		12.8			12.8	5.4		12.3	5.7
8th gear	6.4		17.4			17.4	6.8		16.8	7.5
9th gear	8.7						11.0			12.1
10th gear							16.4			17.6
1st Rev	1.2	2.4	2.4	2.8	2.4	2.4	3.2	2.9	2.3	3.4
2nd Rev	3.2	7.0	8.4	5.1	7.0	8.4	4.6	5.2	8.1	5.1
3rd Rev	7.2			10.2				10.4		
4th Rev				18.5				18.7		

ENGINES: Ford gasoline; Ford direct injection diesels. 7000 turbocharged diesel.

	4000 SU DIESEL	4000 SU GAS	4410 DIESEL	5000 DIESEL	5000 GAS	7000 DIESEL
Bare engine hp*	62.3	63.7	62.3	77.1	81.0	93 (obs)
Net flywheel hp (IEMC)	57.0	56.5	57.0	70.0	71.0	89 (obs)
No. of cylinders	3	3	3	4	4	4
Bore, in.	4.4	4.4	4.4	4.4	4.4	4.4
Stroke, in.	4.4	4.4	4.4	4.2	4.2	4.2
Displacement, cu in.	201	201	201	256	256	256
Compression ratio	16.5:1	7.75:1	16.5:1	16.5:1	7.75:1	16.5:1
Rated engine speed, rpm	2,200	2,200	2,200	2,100	2,100	2,100
Maximum torque* lb-ft	167.6	175.2	167.6	218.4	224.9	236 (obs)
Engine speed @ max. torque, rpm	1,300	1,100	1,300	1,300	1,100	1,600
Main bearings	4	4	4	5	5	5
Lubrication				Pressurized		
Cooling				Pressurized, thermostat w/bypass		
Air cleaner	Oil-bath	Dry	Oil-bath	Oil-bath	Oil-bath	Dry
Starting				12 V w/key switch and safety lock		

*Corrected to 60 deg F. and 29.92 in. Hg.

Engine clutch	11"	13"	12"	13"
Transmissions:				
8-speed	X	X	X	X
Manual reversing 6x4		X		
10-speed power-shift			X	
Torque converter (4x4)				
w/power reverser		X		
Final drive			Double reduction	
Brakes			Mechanical wet discs	
Steering			Power-assist	
Steering wheel turns, stop to stop	2.5		4.0	4.0

CAPACITIES

	4000 SU	4410	5000	7000
Fuel tank, gal	13	16	20	20
Engine lubrication w/filter, qt	7	7	9	9
Transmission:				
8-speed qt	13.8	13.8		
8-speed, w/hyd, qt			12.0	
8-speed, less hyd, qt			12.0	
10-speed, qt			12.75	
Cooling system, qt	14.0	14.0	15.3	14.5
Rear axle and hydraulic system, qt	33.9	33.9		
with Dual Power, qt			58	62
less Dual Power, qt			39.6/44*	59
Transmission, rear axle and hydraulics, qt			*w/Load Monitor	55.0

DIMENSIONS

Wheelbase, in.	77.3	81.5	87.5	87.5
Rear wheel tread, adj., in.	56-80	61	56-80	56-80
w/power-adjustable wheels, in.			56-90	56-90
Front wheel tread, adj., in.	52-80	54	52-80	52-80
Overall length, in.	132.1	121.4	141.6	141.6
ROPS clearance, in.			96.6	96.6
Overall width @ 56-in. tread, in.	70.9	77.9		69.6
@ 52-in. tread, in.			69.6	
Turning radius				
w/brakes, in.	115		117	117
wo/brakes, in.	136		141	141
Ground clearance, min, in.	17.3	23.1	16.3	16.3

BASIC MODELS

	4000 SU DIESEL	4000 SU GAS	4410 DIESEL	5000 DIESEL	5000 GAS	7000 DIESEL
8-speed transmission						
w/540 rpm transmission-drive PTO			44112C			
w/540 rpm independent PTO	41414C	41424C	44114C	51014C	51024C	71014C
10-speed transmission						
w/540 rpm independent PTO				51014E	51024E	
Manual reversing 6x4						
w/540 rpm transmission PTO			44112K			
Torque converter power reverser (4x4) no PTO			44111F			
Weight, lbs (approx.)	4483	4368	4125	5471	5408	5814

TRAVEL SPEEDS, MPH @ rated engine speed

	4000 SU* 8-SPEED	4410 8-SPEED	4410 MAN-REV 6X4	4410 TORQUE CONVERTER	5000 8-SPEED	5000 10-SPEED	7000 8-SPEED
1st gear	1.4	1.3	2.1	2.9	1.5	1.0	1.5
2nd gear	1.8	1.6	3.7	4.6	2.0	1.5	2.0
3rd gear	3.1	2.8	5.1	8.3	3.5	1.7	3.5
4th gear	4.2	3.9	7.6	18.8	4.7	2.3	4.7
5th gear	5.0	4.6	13.3		5.6	3.6	5.6
6th gear	6.3	5.8	18.2		7.0	4.6	7.0
7th gear	11.0	10.2			12.4	5.3	12.4
8th gear	15.0	13.8			16.8	6.9	16.8
9th gear						11.1	
10th gear						16.4	
1st Rev	2.0	1.9	2.5	2.8	2.3	3.1	2.3
2nd Rev	7.2	6.6	4.5	4.6	8.1	4.6	8.1
3rd Rev			8.9	8.3			
4th Rev			16.1	18.6			

*w/28-in. rear tires

FORD ALL-PURPOSE TRACTOR OPTIONS AND ACCESSORIES

STANDARD EQUIPMENT (X)

	1000	2000	3000	4000	4000SU	4410	5000	7000
Tachometer-hourmeter	X	X	X	X	X	X	X	X
Fuel gauge	X	X	X	X	X	X	X	X
Coolant temperature gauge	X	X	X	X	X	X	X	X
Alternator warning light	X							X
Generator warning light		X	X	X	X	X	X	
Oil pressure warning light	X	X	X	X	X	X	X	X
Pan seat		X				X		
Deluxe seat and suspension	X		X	X	X		X	
Super-comfort seat								X
Foot accelerator	X					X		
Lights, including two headlights, tail-light, instrument panel lights	X	X	X	X	X		X	X
Flashing safety light		X	X	X	X	X	X	X
Vertical muffler	X	X	X	X	X	X	X	X
Air cleaner restriction indicator (gas) ..		X	X	X	X			
Air cleaner restriction indicator (diesel)								X
Power-assist steering					X	X	X	X
Differential lock	X					X	X	X
Fenders	X	X	X	X	X	X	X	X
Tool box			X	X	X	X	X	X
Swinging drawbar		X	X	X	X		X	X
Power take-off	X	X	X	X	X		X	X
PTO guard	X	X	X	X	X		X	X
3-point-hitch/hydraulics	X	X	X	X	X			
Load Monitor hydraulics								X

FACTORY OPTIONS (X)

3-point hitch/hydraulics	Std	Std	Std	Std	Std	X	Std	
Deluxe seat	Std	X	Std	Std	Std	X	Std	
Industrial seat						X		
Super-comfort seat		X	X	X	X	X	X	Std
Power-assist steering		X	X	X	Std	Std	Std	Std
Differential lock	Std	X	X	X		Std		
Swinging drawbar		Std	Std	Std	Std	X	Std	Std
Diesel cold start		X	X	X	X	X	X	X
Horizontal exhaust		X	X	X	X	X	X	
Lights, including two headlights, tail-light, instrument panel lights	Std	Std	Std	Std	Std	X	Std	Std
Independent emergency hand brake ..		X	X ^a	X ^{ab}	X	X	X ^a	X
Independent PTO			X	X	X	X	X	X
Transmission PTO	X	X	X	X		X		
Live PTO		X	X					
Manually adjustable rear wheels						X		
Power-adjusted rear wheels		X	X	X	X		X	X
Remote control valves, 1 or 2-spool ..		X	X	X	X		X	X
Front-end weights	X	X	X	X	X			X
Front and rear wheel weights	X	X	X	X	X			X
High-clearance front axle							X	X
Load Monitor hydraulics							X	Std
Air pre-cleaner, long stack								X
Roll bar and seat belt	X	X	X	X	X	X	X	X

^a/Not available with 10-speed transmission
^b/Available with Diff-Lock option only

ACCESSORIES (dealer installed) (X)

Hitch equipment

Linkage drawbar	X	X	X	X	X	X	X	X
Swinging drawbar					X			
Linkage stabilizers		X	X	X	X	X	X	X
Clevis for swinging drawbar				X		X	X	X
3-point-hitch conversion								
(Category I to Category II)			X	X	X			
(Category II to Category I)							X	X

Hydraulics

Auxiliary services control valve		X	X	X	X	X		
Remote control valves, 1 and 2-spool ..		X	X	X	X	X	X	
Single-acting remote cylinder	X					X		
Double-acting remote cylinder	X	X	X	X	X	X	X	
Remote cylinder hose						X		
Quick-release coupling (D-A)		X	X	X	X	X	X	
Hydraulic selector valve		X	X		X			

Lighting

Implement work light and switch		X	X	X	X	X	X	X
Implement warning light		X	X		X			
Implement lamp kit				X			X	X