

# FORD 550



## ENGINE PERFORMANCE

45.1 kW DIN 70020  
 46.2 kW BSAU 141a  
 61.3 hp DIN 70020  
 61.9 hp BSAU 141a  
 Rated Engine Speed—2200 rpm  
 Max. Torque DIN 70020—221.6 Nm  
 (163.5 lb-ft) @ 1400 rpm  
 Max. Torque BSAU 141a—219.6 Nm  
 (162 lb-ft) @ 1400 rpm

## ENGINE SPECIFICATIONS

Ford 3-cylinder direct-injection diesel  
 Displacement—3294 cc (201 cu in.)  
 Bore—112 mm (4.4 in.)  
 Stroke—112 mm (4.4 in.)  
 Compression Ratio—16.3:1  
 No. of Crankshaft Main Bearings—4  
 Cooling—water-cooled, pressurized, with  
 water pump and thermostat. Capacity fuel  
 tank 91.0 litres (20.0 gal)

## ELECTRICAL SYSTEMS

12-volt, 128-amp-hr battery with 28 or 46-amp  
 alternator  
 Safety start switch

## FRONT AXLE

Type—Welded box beam  
 Rated capacity—4540 kg (10,000 lbs)  
 Clearance—32.3 cm (12.7 in.)  
 Wheel tread—173 cm (68 in.)

## REAR AXLE

Type—Double-reduction  
 Rated capacity—4540 kg (10,000 lbs)  
 Wheel tread—163 cm (64 in.)

## STEERING

Hydrostatic  
 Pump type—Gear  
 Pump capacity @ 1000 rpm—10.37 l/m  
 (2.27 gpm)  
 Lock to lock turns—3.7

## HYDRAULICS

Pump type—Gear  
 Pump capacity @ 2200 rpm—102 l/m  
 (22.5 gpm)  
 Oil cooler—standard

## FORD 550 EQUIPMENT INCLUDES

Flat deck and flat top fenders • Self-leveling  
 loader with float position • 0.76-cu-metre  
 (one cu yd) materials bucket • 6x4 manual-  
 reversing transmission • Hydrostatic power  
 steering • Foot throttle • Handbrake  
 • Differential lock • Fixed seat • Horn  
 • Dual element dry air cleaner • Diesel cold  
 start • Toolbox • Heavy-duty clutch with  
 pressure lubrication fitting.

## OTHER AVAILABLE EQUIPMENT

4x4 power-reversing transmission with torque  
 converter • Safety cab • Swing-around seat  
 with suspension (with backhoe) • Swinging  
 drawbar • Turn signals • Dual fuel filter  
 • Air cleaner restriction indicator • Front and  
 rear wheel weights • Rear counterweights  
 (with backhoe only) • License plate  
 bracket • Security package includes lockable  
 covers over service openings and  
 instruments • High-capacity alternator  
 (46 amp).

## LOADERS

Return-to-dig • 0.76-cu-metre (one cu yd)  
 heavy-duty bucket • Bucket teeth for heavy-  
 duty bucket.

## BACKHOE

Backhoe, Centre-Pivot, 4.52 m (14 ft, 10 in.)  
 Backhoe, Side-Shift, 3.84 m (12 ft, 7 in.)  
 Auto-Dig • 2-lever controls • 4-lever controls  
 • Hydraulic or bolt clamping for Side-Shift  
 backhoe • Standard stabilizer pads • Sand  
 stabilizer pads for Centre-Pivot backhoe.

## TRAVEL SPEEDS @ 2200 ENGINE RPM WITH 16.9/14 x 28 TIRES

GEAR	1	2	3	4	5	6	R1	R2	R3	R4
6x4 Manual Transmission										
Mph	2.5	4.3	5.9	8.8	15.4	21.0	2.9	5.2	10.4	18.7
Km/h	4.5	6.9	9.4	14.1	24.8	33.8	4.7	8.4	16.7	30.1
4x4 Power-reversing Transmission										
Mph	3.3	5.4	9.7	21.8	—	—	3.3	5.3	9.6	21.6
Km/h	5.3	8.7	15.6	35.1	—	—	5.3	8.6	15.4	34.8

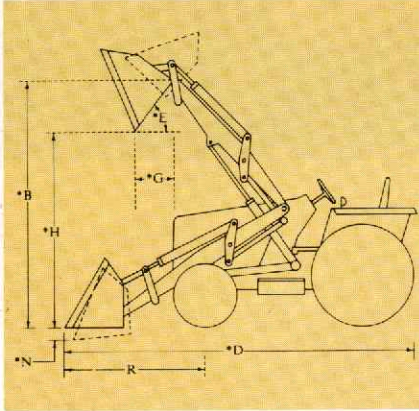
## TYRES

FRONT	REAR
7.50 x 16—8-ply—truck	16.9 x 24—8-ply—R1
7.50 x 16—10-ply—F2	16.9 x 24—8-ply—R4
7.50 x 16—10-ply—I1	16.9 x 28—8-ply—R1
9.00 x 16—10-ply—F2	16.9 x 28—8-ply—R4
9.00 x 16—10-ply—I1	16.9 x 28—10-ply—R4
11L x 16—10-ply—I1	

## BACKHOE BUCKETS

STANDARD TRENCHING	WIDTH		HEAPED CAPACITY		WEIGHT	
	M	IN.	M <sup>3</sup>	FT	KG	LBS
19-553	.30	12	.07	2.5	97.5	215
19-554	.45	18	.12	4.2	111.1	245
19-555	.60	24	.17	5.9	127	280
19-556	.75	30	.22	9.7	145	320
<b>HIGH-CAPACITY</b>						
19-557	.45	18	.15	5.4	127	280
19-558	.60	24	.21	6.0	145	320
19-559	.75	30	.28	9.9	158.7	350

# FORD 550 LOADER-BACKHOE



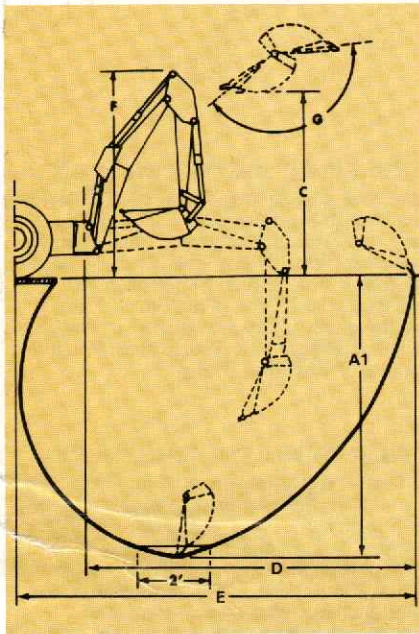
## LOADER

B	Height to bucket hinge pin.....	3.28 m	(10 ft, 9 in.)
D	Overall length.....	4.57 m	(15 ft)
E	Dump angle.....	0.935 rad	(55 deg)
G	Reach @ full height, bucket dumped.....	0.69 m	(2 ft, 3 in.)
H	Lift clearance, bucket dumped.....	2.67 m	(8 ft, 9 in.)
N	Digging depth.....	10.2 cm	(4 in.)
R	Reach @ ground level.....	1.86 m	(6 ft, 1 in.)
	Rollback @ ground level.....	0.698 rad	(40 deg)

## RAMS

lift.....	76 mm (3 in.)	<b>CYL. DIAM.</b>	<b>ROD DIAM.</b>
bucket.....	76 mm (3 in.)	76 mm (3 in.)	51 mm (2 in.)
Standard front bucket capacity.....	765 litres (1 cu yd)		38 mm (1.5 in.)
Lift time to full height (empty bucket)*.....	4.7 sec		
Lower*.....	2.6 sec		
Dump*.....	1.6 sec		
Lift capacity, full height*.....	2130 kg (4700 lbs)		
Breakout force, max.*.....	3630 kg (8000 lbs)		

\*SAE 732c rated Specifications based on 7.50-16 front tyres and 16.9-28 rear tyres.



## BACKHOE

A1	Digging depth at tooth point max.†.....	3.84 m (12 ft, 7 in.)...	4.52 m (14 ft, 10 in.)
C	Loading height**.....	3.12 m (10 ft, 3 in.)...	4.02 m (10 ft, 7 in.)
D	Reach from swing post**.....	5.26 m (17 ft, 3 in.)...	5.44 m (18 ft, 8 in.)
E	Reach from centre line rear axle.....	6.54 m (21 ft, 5.5 in.)...	6.78 m (22 ft, 4 in.)
F	Transport height**.....	3.41 m (11 ft, 2 in.)...	3.48 m (11 ft, 5 in.)
G	Bucket rotation @ maximum curl.....	3.23 rad (184 deg).....	3.23 rad (184 deg)
	@ maximum force.....	2.59 rad (149 deg).....	2.59 rad (149 deg)
	Swing arc, max.**.....	3.17 rad (182 deg).....	3.23 rad (184 deg)
	Swing mechanism.....	rotary vane.....	chain and hydraulic
	Rear axle to swing post**.....	1.28 m (4 ft, 2.5 in.)...	1.12 m (3 ft, 8 in.)
	Stabilizer spread		
	Transport position, min.....	2.1 m (6 ft, 9.8 in.)	
	Transport position, max.....	2.87 m (9 ft, 4.8 in.)...	2.05 m (6 ft, 9 in.)
	Operating position.....	2.43 m (7 ft, 11.8 in.)...	2.50 m (8 ft, 2.3 in.)
	Offset, max. from centre**.....	76 cm (2 ft, 6 in.)	
	Clamping.....	hydraulic (bolt optional)	
	Control valve.....	6-spool open centre...	6-spool open centre

## RAMS

Lift			
Rod diam.....	51 mm (2 in.).....		51 mm (2 in.)
Cyl. diam.....	10.2 cm (4 in.).....		11.4 cm (4.5 in.)
Crowd			
Rod diam.....	51 mm (2 in.).....		57 mm (2.25 in.)
Cyl. diam.....	10.2 cm (4 in.).....		11.4 cm (4.5 in.)
Bucket			
Rod diam.....	64 mm (2.5 in.).....		64 mm (2.5 in.)
Cyl. diam.....	89 mm (3.5 in.).....		89 mm (3.5 in.)
Stabilizer			
Rod diam.....	38 mm (1.5 in.).....		44 mm (1.75 in.)
Cyl. diam.....	76 mm (3 in.).....		10.2 cm (4 in.)
Swing			
Rod diam.....			44 mm (1.75 in.)
Cyl. diam.....			11.4 cm (4.5 in.)
Maximum force at bucket teeth**.....	3691 kg (8129 lbs)....		3686 kg (8120 lbs)
Operating weights (approx.), less cab and ROPS, w/buckets and pads..	5372 kg (11845 lbs)...		5012 kg (11050 lbs)

\*\*SAE J49 rated †Manufacturer's rating Specifications based on 7.50-16 front tyres and 16.9-28 rear tyres with 61 cm (24 in.) high-capacity bucket. All liquid measurements shown in metric and Imperial units.

Some of the equipment listed or shown in this brochure may not be available in all markets. Please consult your local dealer to determine the suitable equipment for your conditions and requirements. Ford policy is one of continuous improvement; Ford reserves the right to change prices, specifications and/or equipment at any time without incurring any liability or obligation therefor.

