

# OLIVER

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SPECIFICATIONS  
**MODEL 550**  
WITH 588 LOADER  
and 508 BACKHOE



INDUSTRIAL MANUAL  
SECTION - BACKHOES  
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## OLIVER

### SPECIFICATIONS MODEL 550 WITH 588 LOADER and 508 BACKHOE

#### TRACTOR

Horsepower (Corrected to sea level & 60°F)

	Gasoline	Diesel
PTO at 1600 RPM.....	43.2	41.21
Drawbar at 2000.....	36.67	36.10

#### Engine

Make.....	Oliver
Number of cylinders.....	4
Governed speed (rpm).....	2000
Piston displacement (in.).....	155
Valve arrangement.....	Valve-in-head
Removable cylinder sleeves.....	Wet

#### Transmission & Clutch

Clutch.....	10" dia.—dry-type-single plate
Transmission type.....	Constant mesh—Helical gear
Speed.....	6 Forward—2 Reverse

#### Wheels, Tires & Treads

Fixed tread front axle.....	52"
Wheels.....	Pressed steel
Tires—Front.....	7.60 x 15-6-ply, 600 x 16 & 7.50 x 16
Rear.....	14.9 x 24-6-ply, 14.9 x 26, 13.6 x 26, 12.4 x 28, 11.2 x 28

#### LOADER

Std. bucket (62" wide) (cu. yd.).....	¾
Lift cap. to full height (lbs.).....	2500
Lift cap. to carry height (lbs.).....	3000
Breakout force (lbs.).....	5200
Height to bucket hinge pin.....	10'
Reach at full height, full dump.....	29'
Clearance at full dump.....	8' 5"
Dump angle.....	45°
Digging depth below ground bucket level.....	3"
Raise time to full height.....	4.5 sec.
Dump time.....	2.3 sec.

#### BACKHOE

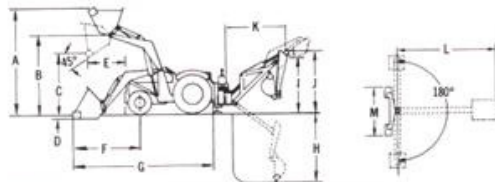
Max. digging depth.....	8' 4"
Max. swing arc.....	180°
Lifting capacity—fully extended (lbs.).....	1000
Transport height.....	6'
Stabilizer spread (working).....	49"
Swing.....	2 in 1 horizontal with rack & pinion
Boom, dipper stick & bucket cylinders	
Interchangeable.....	3" double-acting

#### Total Weight (Shipping)

Includes loader & backhoe buckets (lb.).....	4832
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#### OLIVER 508 BACKHOE

Weight.....	800 lbs.
Operating Pressure.....	2000 psi
Reach.....	127" from center line of frame
Teeth.....	H & L Replaceable
Cylinders (boom, dipper stick, and bucket).....	3" double-acting interchangeable



A	B	C	D	E	F	G	H	I	J	K	L	M
144"	120"	101"	3"	29"	69"	165"	100"	72"	66½"	41"	114"	49"

\*Manufacturer's Rating.

#### OLIVER 588 LOADER

##### GENERAL

Weight.....	approx. 1000 lbs.
Breakaway Force of Lift Cylinders.....	3500 lbs.

##### HYDRAULICS

Lift Rams.....	Double-acting 2.5" bore, 29.25" stroke
Dump Rams.....	Double-acting 2.5" bore, 17" stroke
Pump.....	Constant-flow, gear-type, 18 gpm
Filtration System	
Primary.....	60-mesh screen
Secondary.....	10 micron replaceable cartridge
Valve Controls	
Standard.....	Four-position, two-spool, positive hold (Valve can be mounted for left or right operation at the owner's option because of dual reservoir.)
Cycle Time	
Hydraulic system is equipped with pressure beyond for backhoe or other hydraulic equipment without the use of a selector valve.	

**OLIVER CORPORATION, INDUSTRIAL DIVISION**  
**SUBSIDIARY OF THE WHITE MOTOR COMPANY**

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