

OLIVER

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SPECIFICATIONS

MODEL 550
WITH
588 LOADER
AND
510 OR 613 BACKHOE



- NET ENGINE HORSEPOWER—GAS 44.0—DIESEL 42.5
- LIFT CAPACITY OF LOADER TO FULL HEIGHT—2500 LBS.
- DIGGING DEPTH OF BACKHOE—MODEL 510—10 FT.
MODEL 613—13 FT.

INDUSTRIAL MANUAL
SECTION - BACKHOES
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OLIVER

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* SPECIFICATIONS

TRACTOR

Horsepower	Gasoline	Diesel
(Max. Corrected to Sea Level and 60° F)		
Engine Net.....	44.0*	42.5*
P.T.O.....	43.20**	41.21**
Drawbar.....	36.67**	36.10**

Travel Speeds: (14.9 x 24 Tires)

RPM							Reverse	
	First	Second	Third	Fourth	Fifth	Sixth	Low	High
1600	1.5	2.0	3.1	4.1	5.7	11.7	1.6	3.2
2000	1.9	2.5	3.9	5.2	7.1	14.6	2.0	4.1

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" Diam.—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.....	7.60x15—6 Ply
Rear.....	14.9x24—6 Ply

Other tires available as options

Hydraulics

Pump—Gear Type.....	18 GPM
Operating Pressure.....	2000 PSI
Filtration—60 Mesh screen and 10 Micron replaceable cartridge	
Loader valve—pressure beyond	

LOADER

Std. Bucket (62" wide) cu. yd.....	.7%
Lift capacity to full height (lbs.).....	2500
Lift capacity 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.
Lift rams—double-acting.....	2.5" bore 29.25" stroke
Dump rams—double-acting.....	2.5" bore 17" stroke
Valve control—four-position.....	2-spool
Valve can be mounted for left or right hand operation.	
Weight.....	Approx. 1000 lbs.

BACKHOE

	510	613
Max. digging depth.....	10'	13'
Uninterrupted swing.....	180°	
Transport Height.....	8' 6"	9' 7½"
Stabilizer Spread (working)...	7' 10"	8' 9"
Swing.....	2 cylinders	
Boom cylinders.....	3½" bore x 32"	4" x 33"
Dipper stick cylinders.....	4" bore x 23¼"	4" x 27¼"
Bucket cylinders.....	3" bore x 24¾"	3 x 28"
Stabilizer cylinders.....	3" bore x 12"	3½" x 13½"
Reach from post.....	12' 7"	15' 2½"
Digging force (lbs.).....	5500	6100
Bucket Rotation.....	136°	145°
Weight less bucket (lbs.).....	2050	2500
Does not include mounting kit		

*Manufacturer's estimate (corrected)

**Official test

INDUSTRIAL DIVISION

OLIVER CORPORATION

SUBSIDIARY OF WHITE MOTOR CORPORATION

CHICAGO, ILLINOIS 60606

The manufacturer reserves the right to change specifications without notice and without incurring obligation. Information contained herein is from data available at time of printing.

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