

# OLIVER

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# 551

FORK LIFT



Offering lift heights of

# 8, 10, 12, 14 and 21 ft.!

INDUSTRIAL MANUAL  
Section - Fork Lift  
Page 1  
Replaces A-100-A

## SPECIFICATIONS

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.

# OLIVER 551 FORK LIFT



### Maximum Corrected Horsepower:

	Gasoline	Diesel
PTO.....	43.20	41.21
Drawbar.....	36.67	36.10

Official Tests: Gas, No. 697; Diesel, No. 698

### Travel Speeds—m.p.h. (with 14.9/13-24 tires):

	1600 r.p.m.	2000 r.p.m.
First.....	1.51	1.88
Second.....	2.01	2.51
Third.....	3.11	3.89
Fourth.....	4.14	5.18
Fifth.....	5.67	7.09
Sixth.....	11.70	14.63
Low reverse.....	1.57	1.96
High reverse.....	3.24	4.05

### Engine:

Number of cylinders.....	4
Valve arrangement.....	Valve-in-head
Electrical system.....	12-volt

### Clutch and Steering:

Clutch type.....	Single plate
Power steering.....	3-gal.-per-minute priority from hydraulic gear-driven pump
Turning radius (ft.).....	12

### Wheels, Tires and Treads:

Tread (in.).....	52
Tires—Front.....	7.60 x 15—6-ply
—Rear.....	14.9/13-24—6-ply

### Dimensions:

Over-all width (in.).....	66½
Over-all length—less attachments (in.).....	126
Ground clearance—outer channel (in.).....	11

### Transmission:

Transmission type.....	Constant mesh, helical gear
Dual engine control.....	Hand throttle, foot accelerator
Speeds.....	6 forward, 2 reverse

### Regular Equipment:

Seat.....	Leaf-spring type
Brakes.....	Double-disc, self-energizing

### Lift Specifications:

	8'6"	10'6"	12'6"	14'6"	21'
Lift height.....					
Number of mast sections—	2	2	2	2	3
Tower height:					
lowered.....	82½"	94½"	106½"	118½"	118½"
raised.....	134½"	158½"	182½"	206"	287"
Free lift.....	0	0	0	0	0
Speed, full load (ft.).....	40 per minute				
Fork lengths (in.).....	30, 36, 42, 48				
Mast tilt—forward.....	9°				
—backward.....	14°				
Mast tilt (optional Y-78 package with longer connectors)					
—forward.....	14°				
—backward.....	9°				
No. of carriage rollers.....	8				
Carriage.....	Heat-treated steel				
Carriage rollers.....	Hardened steel with sealed roller bearings				
Carriage thrust rollers.....	Hardened steel with roller bearings				
Chain.....	Heavy-duty roller chain				
Chain anchors.....	1141 heat-treated steel				
Implement bar.....	4140 heat-treated steel				
Subframe.....	6" channel				

### Capacity:

	Loads Center	
	24"	15"
12' and below (lb.).....	4000	5000
12' to 16' (lb.).....	3500	4000
16' to 21' (lb.).....	2000	2000

Note: T-174 (Basic) and (3) T-188 counterweight packages are required when 21' mast is used.

### Hydraulic System:

Cylinders:	
Lift cylinder (1).....	4" bore; 3½" rod
Tilt cylinders (2).....	3" bore; 1½" rod
Side Shifter cylinder.....	2" bore; ½" rod
Control valve.....	3-spool standard equipment, 4th spool optional
Pump.....	18 g.p.m. with flow divider
	Lift circuit, 15 g.p.m. at 2100 r.p.m.
	Steering circuit, 3 g.p.m. at all speeds
Reservoir Capacity.....	10 gals.
Filter (Type).....	Micronic, screw-on, replaceable type

### Side Shifter:

Cylinder bore (in.).....	2
Cylinder stroke (in.).....	6
Total shift (in.).....	6 (3-in. to both sides)
Side Shifter moves entire mast.....	

### Shipping Weight less forks:

	Gasoline	Diesel
8'6" unit.....	6300 lb.	6400 lb.
10'6" unit.....	6400 lb.	6500 lb.
12'6" unit.....	6500 lb.	6600 lb.
14'6" unit.....	6600 lb.	6700 lb.
21'0" unit.....	7077 lb.	7177 lb.



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**INDUSTRIAL DIVISION • OLIVER CORPORATION**

Subsidiary of THE WHITE MOTOR COMPANY

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