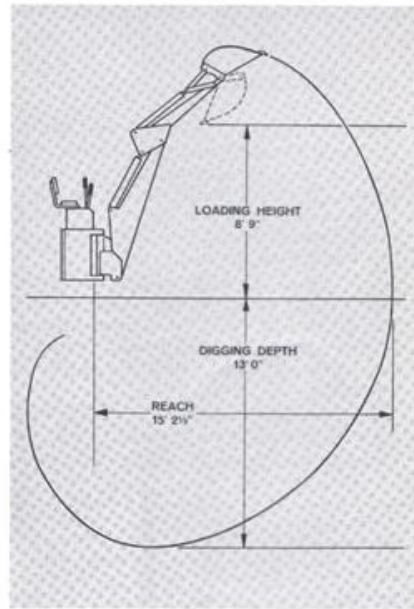




## OLIVER

### SPECIFICATIONS

### MODEL 613 BACKHOE



Maximum Digging Depth	13'
Maximum Reach (from center of swing post)	15' 2 1/2"
Maximum Loading Clearance (bucket closed)	8' 9"
Maximum Dump Height (bucket open)	13' 5 1/2"
Maximum Uninterrupted Swing	180°
Bucket Rotation	145°
Digging Force	6100 pounds*

<b>Hydraulic System</b>	
Control Valve Type	6 spool, stack type
Circuit Relief Valve Locations	boom, crowd and bucket
Anti-cavitation Check Location	head end of boom cylinder
Main Relief Setting	2000 PSI
Pump Size	18 GPM (minimum)
Filter	full flow

#### Hydraulic System (continued)

<b>Cylinder Construction</b>	
Barrel	burnished, 5-7 micro finish
Rod	induction hardened, chrome plated, 10 micro finish
Packing	Chevron
<b>Cylinder Sizes (inches)</b>	
Boom	Bore 4 1 3/4    Rod 3 3/8    Stroke 33
Crowd	4    2    27 1/4
Bucket	3    1 1/4    28
Swing	3 1/2    1 1/4    14 7/8
Stabilizer	3 1/2    1 1/2    13 1/16
<b>Stabilizer Spread</b>	
Transport Position	7' 4 1/2"
Working Position (maximum)	8' 9"
<b>Bucket Options</b>	
	12"-2.31 cu. ft.
	18"-3.70 cu. ft.
	24"-5.32 cu. ft.
	Bell Hole-36"-6.0 cu. ft.
<b>Transport Height</b>	9' 7 1/2"
<b>Removal Time</b>	Approx. 5 minutes
<b>Weight (less bucket and mounting kit)</b>	2500 pounds

\*Maximum force applied at bucket cutting edge tangent to arc of bucket rotation. (Measurement taken without prying on heel of bucket.)

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## OLIVER

### SPECIFICATIONS MODEL 613 HYDRO-CLAM

#### HYDRO-CLAM

Available for the Model 613 and 615 backhoes is a unique Hydro-Clam Attachment. This attachment is ideal for spot excavations and for digging graves. With its ability to dig in and down, the Hydro-Clam does not disturb surrounding areas, saves time in backfilling and does a cleaner and quicker job all around.

Each half of the clam bucket is controlled separately thus enabling the operator to open it a full 38 inches. This, of course, also enables the operator to close both halves of the clam independently or simultaneously as the application warrants.

The clam attachment is available with 24 inch, 30 inch and 36 inch buckets.

Digging specifications are as follows:



#### Min. Spot Opening with

24" Bucket  
30" Bucket  
36" Bucket  
Open Trench

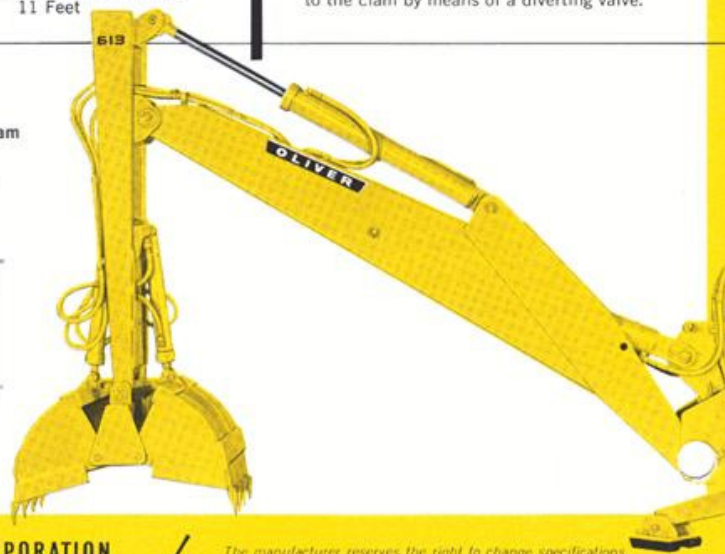
#### Model 613

24" Wide-38" Long-6 Ft. Deep  
30" Wide-38" Long-6 Ft. Deep  
36" Wide-38" Long-6 Ft. Deep  
11 Feet

The Hydro-Clam is installed in place of the conventional dipperstick and is actuated by the regular bucket control circuit on one side and by one of the stabilizer circuits on the other. Oil from the stabilizer circuit is directed to the clam by means of a diverting valve.

#### HYDRO-CLAM SPECIFICATIONS

	613 Hydro-Clam
Maximum Uninterrupted Swing	180°
Stabilizer Spread, Transport Position	7' 4½"
Stabilizer Spread, Working Position	8' 9"
Dump Height	7' 11"
Transport Height	9' 10¾"
Loading Height	7' 5½"
Digging Depth	11' 3"
Reach from Pivot	12' 9"
Bucket Opening	3' 2"
Road Clearance	11½"
Bucket Options, Struck Ratings	
24"	4.66 cu. ft.
30"	5.82 cu. ft.
36"	6.99 cu. ft.



**INDUSTRIAL DIVISION, OLIVER CORPORATION**  
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400 WEST MADISON STREET, CHICAGO 6, ILLINOIS

*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.*