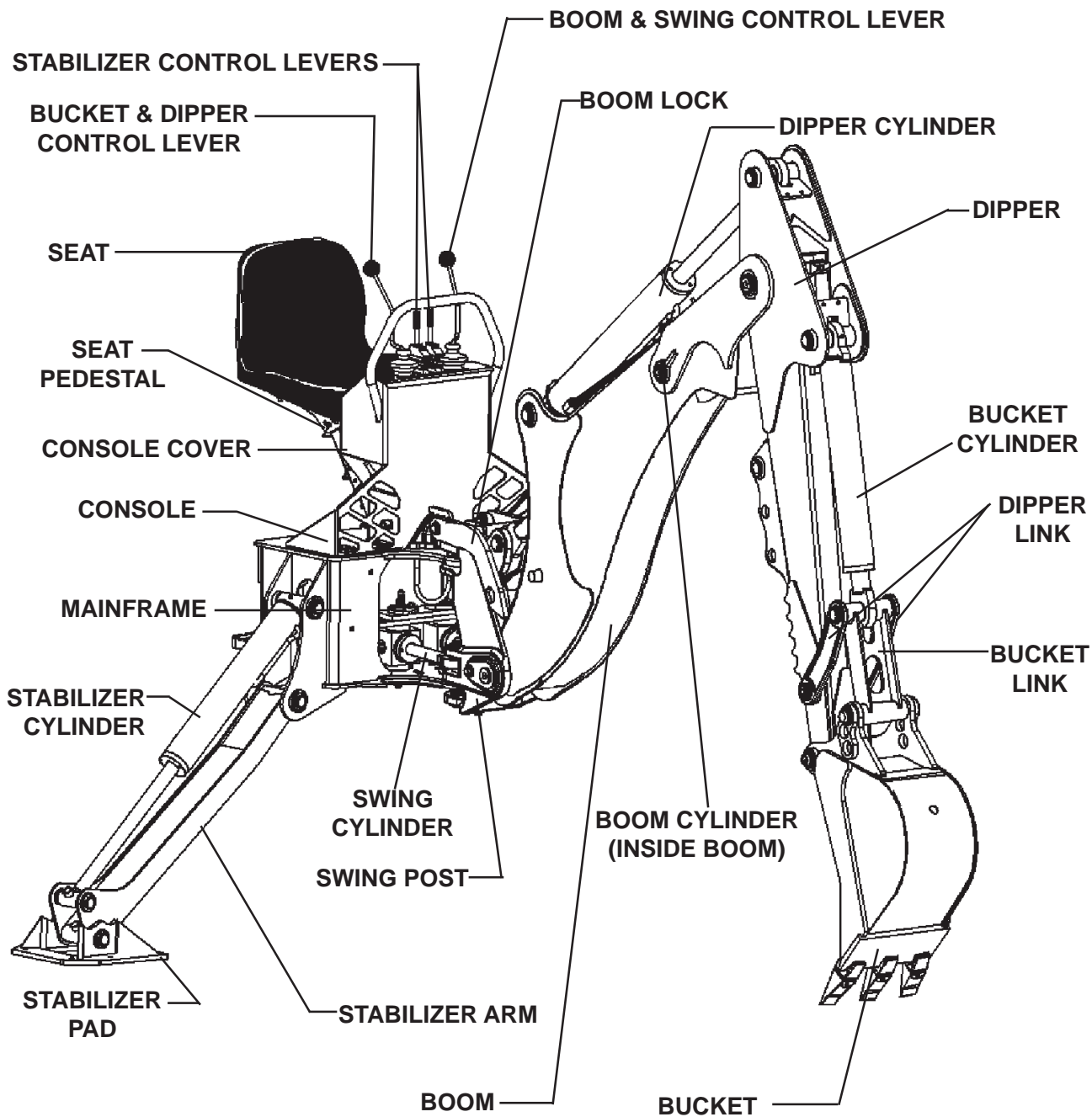


Mahindra

595 BACKHOE



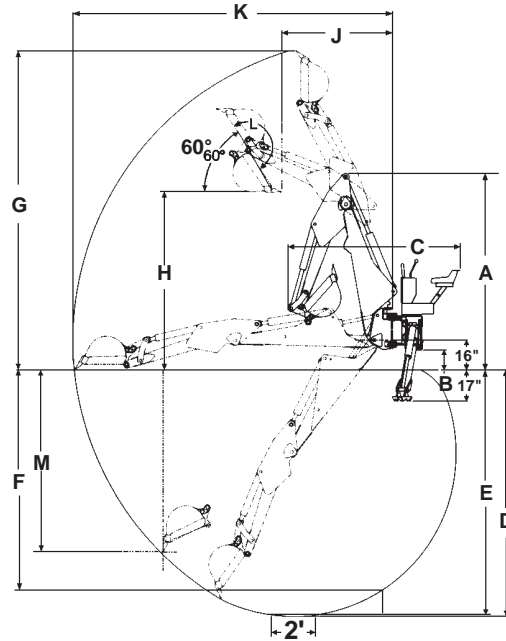


SPECIFICATIONS

595 BACKHOES

BACKHOE DIMENSIONS

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT LIABILITY THEREFORE. WHENEVER APPLICABLE SPECIFICATIONS ARE IN ACCORDANCE WITH SAE STANDARDS.



BACKHOE SPECIFICATIONS TABLE

DESCRIPTION	SPECIFICATIONS
TRANSPORT	
A Transport Height (with boom fully retracted)	7'10"
Transport Width (with stabilizers up)	5'4"
B Ground Clearance	10"
C Overall Length	7'10"
Boom Pivot Height	16"
Operating Weight w/12" Bucket	1388#
OPERATIONAL	
D Digging Depth Maximum	9'7"
E Digging Depth (2 Ft.) Flat Bottom	9'6"
F Digging Depth (8Ft.) Flat Bottom	4'8"
G Overall Operating Height - Fully Raised	12'2"
H Loading Height	6'10"
J Loading Reach	4'5"
K Reach From Swing Post	12'10"
L Bucket Rotation	180°
Swing Arc	180°
M Straight Wall Digging Depth	6'10"
Stabilizer Spread Operating Position	10'7"
Stabilizer Below Grade	10"
System Relief Valve Setting	2750 PSI
Digging Force - Bucket Cylinder	5710#
Digging Force - Dipper Cylinder	3188#

SPECIFICATIONS

595 BACKHOE

CYLINDER SPECIFICATION TABLE				
CYLINDER	SPECIFICATION			
BUCKET CYLINDER				
Cylinder #.....	82477			
Bore.....	3.00"			
Stroke.....	18.38"			
Rod Diameter.....	2.00"			
DIPPER CYLINDER				
Cylinder #.....	86236			
Bore.....	3.00"			
Stroke.....	21-38"			
Rod Diameter.....	1.75"			
BOOM CYLINDER				
Cylinder #.....	113530			
Bore.....	2.75"			
Stroke.....	24.69"			
Rod Diameter.....	1.50"			
LEFT SWING CYLINDER				
Cylinder #.....	113809			
Bore.....	2.50"			
Stroke.....	7.56"			
Rod Diameter.....	1.25"			
RIGHT SWING CYLINDER				
Cylinder #.....	113814			
Bore.....	2.50"			
Stroke.....	7-56"			
Rod Diameter.....	1.25"			
STABILIZER CYLINDER				
Cylinder #.....	109419			
Bore.....	3.00"			
Stroke.....	19.44"			
Rod Diameter.....	1.50"			
BUCKETS AND CAPACITIES				
Bucket	Rated	Weight	Number	
<u>Size</u>	<u>Cap. Ft.³</u>	<u>Lbs.</u>	<u>Of Teeth</u>	
12"	1.25	125	3	
16"	1.72	148	4	
18"	1.95	156	4	
24"	2.65	180	4	
34"	3.82	238	7	
36"	4.05	246	7	
38"	4.28	255	7	

BACKHOE

WITH TRACTOR MODEL SERIE 35

Backhoe Model	595
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TRANSPORT

Shipping Weight with 12" bucket (lbs.)	1487
Transport Height (boom fully retracted)	94"
Transport Width (stabilizers up)	51"
Boom Pivot Height	16"
Overall Length	94"

OPERATIONAL

Maximum Digging Depth	115"
Digging Depth (2 Ft.) Flat Bottom	114"
Digging Depth (8 Ft.) Flat Bottom	50"
Overall Operating Height - Fully Raised	146"
Loading Height	83"
Loading Reach	53"
Reach From Swing Post	154"
Bucket Rotation	180°
Swing Arc	180°
Stabilizer Spread Operating Position	127"
Stabilizer Down Below Grade	10"
System Relief Valve Setting (psi)	2750
Digging Force - Bucket (lbs.)	5710
Digging Force - Dipper (lbs.)	3188