

# Backhoes & Accessories

## FEATURES:

- Four (4) weight/digging force classes available
- 180° bucket rotation & swing arc
- Heavy duty construction grade for heavy duty applications
- Cushioned cylinders
- Dual cylinder swing with swing speed control
- High clearance swing post design for easier transport loading








PALADIN LIGHT CONSTRUCTION



485 Backhoe



609 Backhoe



3509 Backhoe



509 Backhoe



485

611



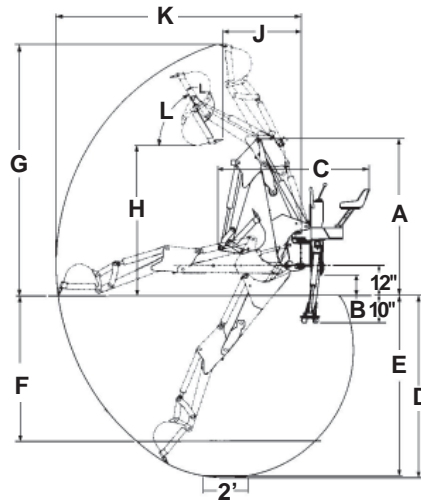
511 with Knuckle Arm

# 365 & 485 Backhoes

Specifications	365	485
<b>Transport</b>		
A. Transport Height (with boom fully retracted)	67"	81"
Transport Width (with stabilizers up)	45"	51"
B. Ground Clearance	9.5"	10"
C. Overall Length	76"	83"
Boom Pivot Height	12"	12"
Operating Weight with 12" bucket (lbs)	712	1010
<b>Operational</b>		
D. Digging Depth - Maximum	78"	101"
E. Digging Depth (2 ft.) Flat Bottom	76"	100"
F. Digging Depth (8 ft.) Flat Bottom	52"	52"
G. Overall Operating Height - Fully Raised	108"	121"
H. Loading Height	55"	63"
J. Loading Reach	46"	58"
K. Reach From Swing Post	108"	127"
L. Bucket Rotation	180°	180°
Swing Arc	180°	180°
Stabilizer Spread Operating Position	87"	90"
Stabilizer Down Below Grade	10"	10"
System Relief Valve Setting (PSI)	2,250	2,750
Digging Force - Bucket Cylinder (lbs)	2,599	3,895
Digging Force - Dipper Cylinder (lbs)	1,358	2,358

Buckets & Capacities				
bucket size	struck cap. ft. <sup>3</sup>	heaped cap. ft. <sup>3</sup>	weight (lbs)	number of teeth*
8"			40	2
10"	.78	.92	80	3
12"	1.00	1.20	85	3
16"	1.51	1.86	102	4
18"	1.71	2.14	109	4
24"	2.33	3.10	130	5 485 ONLY
36"	1.80	2.53	137	6 485 ONLY

\* buckets available without teeth



Specifications and design are subject to change without notice and without liability, therefore, whenever applicable specifications are in accordance with SAE standards.

## FEATURES:

- Build from high-strength 100ksi steel to minimize weight and increase strength for durability
- Fully adjustable high back seat and walk through operators platform for increased comfort
- Standard swing speed control for smooth controlled operations
- In line filter and check valve insures longer valve life and less maintenance
- High strength steel castings in high stress areas
- Fully engineered and tested in rigorous real-life conditions
- 180° dual-cylinder swing with internal hydraulic cushioning provides smooth operation and maximum power where it is needed
- High capacity buckets provide more volume per cycle
- Replaceable premium bushings in all pivot points decreases maintenance costs
- Stress proof pins provide higher strength and increased wear resistance
- Individual circuit relief for added cylinder protection while allowing smooth operation, SAE float detent in boom circuit
- 2 year limited warranty

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