

509 Backhoe

FEATURES & BENEFITS

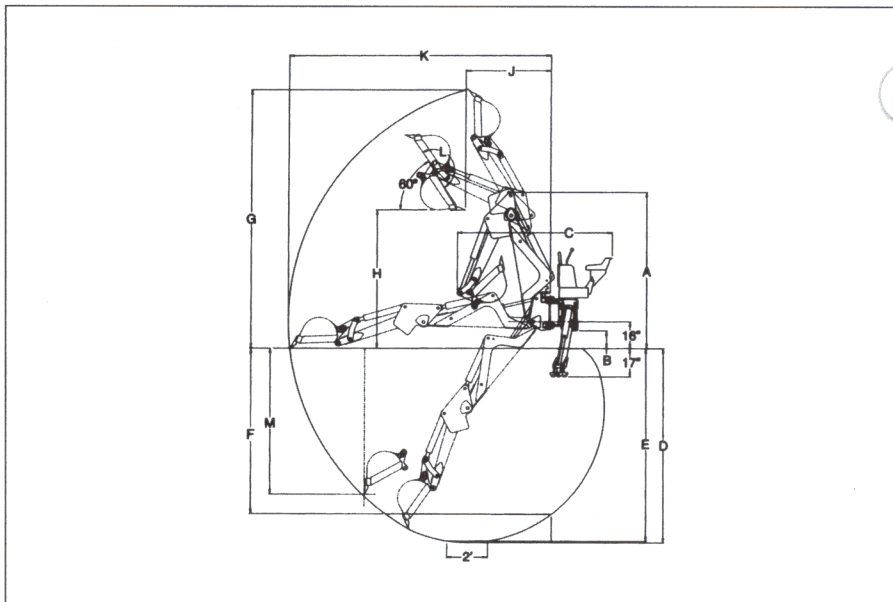
OVER 35 YEARS of PRODUCTIVITY, RELIABILITY and DURABILITY.

- Best bucket digging force for a four-bar linkage backhoe in its class.
- Longest reach from the swing post of any backhoe in its class provides the ability to place material further from the excavation and allows for fewer moves.
- Highest-capacity buckets in its class provide more volume per bucketful.
- Dual-cylinder swing provides maximum power where it is needed.
- Swing speed control standard.
- Cushioned swing brings the backhoe to a gentle stop at each end of the swing arc.
- High clearance swingpost allows operation where clearance is critical.
- Optimum performance with 9-12 gpm hydraulic systems.
- BRADCO® Backhoes are covered by a two year limited warranty.



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

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SPECIFICATIONS

TRANSPORT

| | | |
|---|---|-------|
| A | Transport Height (with boom fully retracted)..... | 7'9" |
| | Transport Width (with stabilizers up) | 5'0" |
| B | Ground Clearance | 11" |
| C | Overall Length..... | 7'7" |
| | Boom Pivot Height | 16" |
| | Operating Weight w/12" Bucket | 1425# |

OPERATIONAL

| | | |
|---|--|----------|
| D | Digging Depth Maximum..... | 9'8" |
| E | Digging Depth (2 Ft.) Flat Bottom | 9'7" |
| F | Digging Depth (8 Ft.) Flat Bottom | 8'3" |
| G | Overall Operating Height—Fully Raised..... | 12'10" |
| H | Loading Height..... | 6'10" |
| J | Loading Reach..... | 4'2" |
| K | Reach From Swing Post..... | 12'9" |
| L | Bucket Rotation | 180° |
| | Swing Arc | 180° |
| M | Straight Wall Digging Depth | 7'3" |
| | Stabilizer Spread Operating Position | 7'11" |
| | Stabilizer Down Below Grade | 16" |
| | System Relief Valve Setting | 2500 PSI |
| | Digging Force—Bucket Cylinder | 5676# |
| | Digging Force—Dipper Cylinder | 2754# |

BUCKETS AND CAPACITIES

| Bucket Size | Struck Cap. Ft. ³ | Heaped Cap. Ft. ³ | Weight Lbs. | Number Of Teeth |
|-------------|------------------------------|------------------------------|-------------|-----------------|
| 12" | 1.43 | 1.83 | 140 | 3 |
| 16" | 1.98 | 2.56 | 154 | 4 |
| 18" | 2.25 | 2.98 | 162 | 4 |
| 20" | 2.52 | 3.40 | 168 | 4 |
| 24" | 3.07 | 4.32 | 185 | 4 |
| 36" | 4.48 | 6.14 | 257 | 7 |



BRADCO®

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