



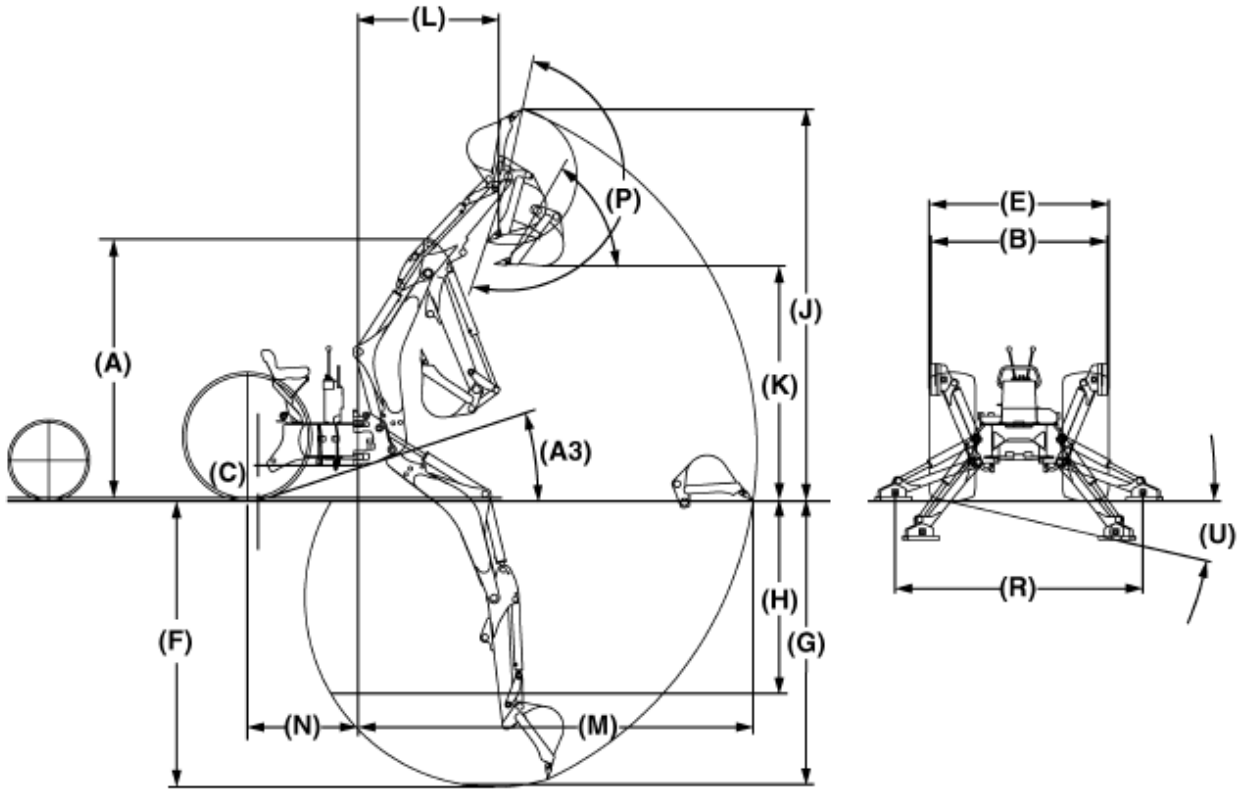
KUBOTA UNIVERSITY
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MX Series Backhoe Specifications



Winter 2014

BH92 Backhoe Specifications



9Y1210423IDI001A

| | Model | BH92 |
|------|--------------------------------------|---------------------|
| (A) | Transport Height | 2542 mm (100.1 in.) |
| (B) | Stabilizer Spread Transport | 1758 mm (69.2 in.) |
| (C) | Ground Clearance | 323 mm (12.7 in.) |
| (E) | Overall Width | 1810 mm (71.26 in.) |
| (F) | Maximum Digging Depth | 2816 mm (110.9 in.) |
| (G) | Digging Depth 2 ft. Flat Bottom | 2789 mm (109.8 in.) |
| (H) | Digging Depth 8 ft. Flat Bottom | 2312 mm (91.0 in.) |
| (J) | Operating Height Fully Raised | 3775 mm (148.6 in.) |
| (K) | Loading Height | 2141 mm (84.3 in.) |
| (L) | Loading Reach | 1360 mm (53.5 in.) |
| (M) | Reach from Swing Pivot | 3819 mm (150.4 in.) |
| (N) | Swing Pivot to Rear Axle Center Line | 1069 mm (42.09 in.) |
| (P) | Bucket Rotation | 180 deg. |
| (R) | Stabilizer Spread-Operation | 2336 mm (91.97 in.) |
| (A3) | Angle of Departure per SAE J1234 | 20.6 deg. |
| (U) | Levelling angle | 10.6 deg. |
| | Swing Arc | 180 deg. |

BH92 Backhoe Specifications

| | |
|---------------------------|--------------------|
| With bucket cylinder | 20230 N (4548 lbf) |
| With dipperstick cylinder | 12000 N (2698 lbf) |

Cycle Time (Seconds)

| | |
|--|-----|
| Boom cylinder, extend | 3.9 |
| Boom cylinder, retract | 3.2 |
| Swing cylinder, from 90 ° to center | 1.8 |
| Dipperstick cylinder, extend | 3.7 |
| Dipperstick cylinder, retract | 2.7 |
| Bucket cylinder, extend | 2.9 |
| Bucket cylinder, retract | 1.9 |
| Stabilizer cylinder, max. height to ground | 1.5 |
| Stabilizer cylinder, ground to max. height | 1.2 |

Hydraulic Cylinders

| | Boom cm (in.) | Dipperstick cm (in.) | Bucket cm (in.) | Stabilizer cm (in.) | Swing cm (in.) |
|---------------|------------------|-------------------------|--------------------|------------------------|-------------------|
| Rod diameter | 4.0 (1.6) | 4.0 (1.6) | 4.0 (1.6) | 4.0 (1.6) | 3.5 (1.4) |
| Cylinder bore | 8.0 (3.1) | 7.5 (3.0) | 6.5 (2.6) | 7.0 (2.8) | 6.0 (2.4) |

Bucket Size

| | Width cm (in.) | SAE Struck Capacity m ³ (cu-ft) | SAE Heaped Capacity m ³ (cu-ft) | Number of Teeth | Weight kg (lb) |
|---------------|-------------------|--|--|-----------------|-------------------|
| Trenching 12" | 30.5 (12.0) | 0.034 (1.2) | 0.042 (1.5) | 3 | 54.0 (119) |
| Trenching 16" | 40.6 (16.0) | 0.047 (1.7) | 0.061 (2.2) | 4 | 66.0 (146) |
| Trenching 18" | 45.7 (18.0) | 0.054 (1.9) | 0.071 (2.5) | 4 | 69.0 (152) |
| Trenching 24" | 61.0 (24.0) | 0.074 (2.6) | 0.102 (3.60) | 5 | 80.0 (176) |
| Trenching 30" | 76.2 (30.0) | 0.095 (3.4) | 0.133 (4.70) | 6 | 92.0 (203) |
| Trenching 36" | 91.4 (36.0) | 0.115 (4.06) | 0.164 (5.79) | 7 | 104 (229) |

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