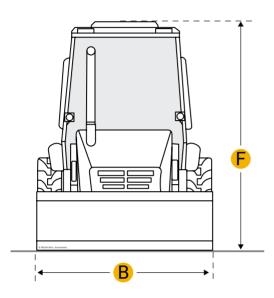
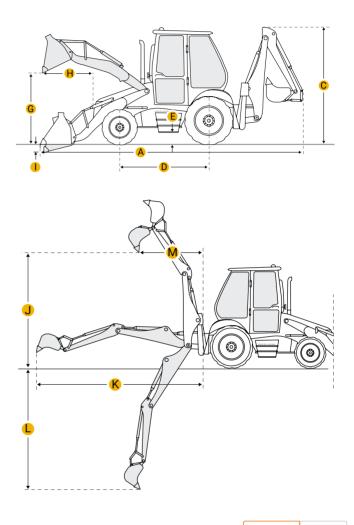
# **RITCHIE** Specs

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## Caterpillar 438 Series II Loader Backhoe





Units

Imperial Metric

### Dimensions

### Backhoe

| J | Load Height - Std       | 11.35 ft in |
|---|-------------------------|-------------|
| K | Reach From Swivel - Std | 18.39 ft in |
| L | Dig Depth - Std         | 15.79 ft in |
|   | Bucket Dig Force - Std  | 11008 lb    |
|   | Bucket Dig Force - Ext  | 10820 lb    |
|   | Reach From Swivel - Ext | 22.47 ft in |

|  | Load At Max Lift - Std   | 3703.77 lb   |  |  |
|--|--|--|--|--|
|  | Load At Max Lift - Ext   | 2127.47 lb   |  |  |
|  | Dig Depth - Ext  | 19.9 ft in   |  |  |
|  | Load Height - Ext  | 13.7 ft in   |  |  |
| Din                                    | nensions   |  |  |  |
| A                                      | Transport Length   | 18.69 ft in  |  |  |
| В                                      | Transport Width  | 7.9 ft in  |  |  |
| С                                      | Transport Height   | 11.81 ft in  |  |  |
| D                                      | Wheelbase  | 6.79 ft in   |  |  |
| E                                      | Ground Clearance   | 1.1 ft in  |  |  |
|  | Height To Top Of Suspended Cab   | 9.17 ft in   |  |  |
| Loader                                 |  |  |  |  |
| G                                      | Clearance At Max Dump Height   | 8.69 ft in   |  |  |
| Η                                      | Reach At Max Dump Height   | 2.81 ft in   |  |  |
| Ι                                      | Dig Depth  | 3.75 in  |  |  |
|  | Lift Capacity At Full Height   | 5211.73 lb   |  |  |
|  | Bucket Capacity  | 1.31 yd3   |  |  |
|  | Bucket Width   | 94.34 in   |  |  |
|  | Bucket Breakout Force  | 8025.68 lb   |  |  |
| A<br>B<br>C<br>D<br>E<br>Loa<br>G<br>H | Transport Length   Transport Width   Transport Height   Transport Height   Wheelbase   Ground Clearance   Height To Top Of Suspended Cab   ader   Clearance At Max Dump Height   Reach At Max Dump Height   Dig Depth   Lift Capacity At Full Height   Bucket Capacity | 7.9 ft in<br>11.81 ft in<br>6.79 ft in<br>1.1 ft in<br>9.17 ft in<br>8.69 ft in<br>2.81 ft in<br>3.75 in<br>5211.73 lb<br>1.31 yd3<br>94.34 in |  |  |

# Specifications

| Engine       |             |
|--------------|-------------|
| Engine Make  | 2351        |
| Engine Model | 4.236       |
| Net Power    | 77 hp       |
| Gross Power  | 83 hp       |
| Displacement | 235.6 cu in |

| Operating Weight 2wd                                  | 16234.9 lb         |  |
|---|--------------------|--|
| Turning Radius  | 12.9 ft in         |  |
| Tire Size Front - 2wd / 4wd                           | 12.5/80-18 10 PR   |  |
| Rear Tires Size 2wd/4wd                               | 18.4/15-26 12PR    |  |
| Transmission  |                    |  |
| Number Of Forward Gears                               | 4                  |  |
|   |                    |  |
| Number Of Reverse Gears                               | 4                  |  |
| Number Of Reverse Gears<br>Max Speed - Forward        | 4<br>19 mph        |  |
|   |                    |  |
| Max Speed - Forward                                   | 19 mph             |  |
| Max Speed - Forward<br>Max Speed Reverse              | 19 mph             |  |
| Max Speed - Forward<br>Max Speed Reverse<br>Hydraulic | 19 mph<br>19.1 mph |  |

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Operational

| John Deere 310K |         |
|-----------------|---------|
| Net Power       | 87 hp   |
| John Deere 310  |         |
| Net Power       | 70.3 hp |
| John Deere 415B |         |
| Net Power       | 68 hp   |
| Compare         |         |
| Net Power       | 68 hp   |

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