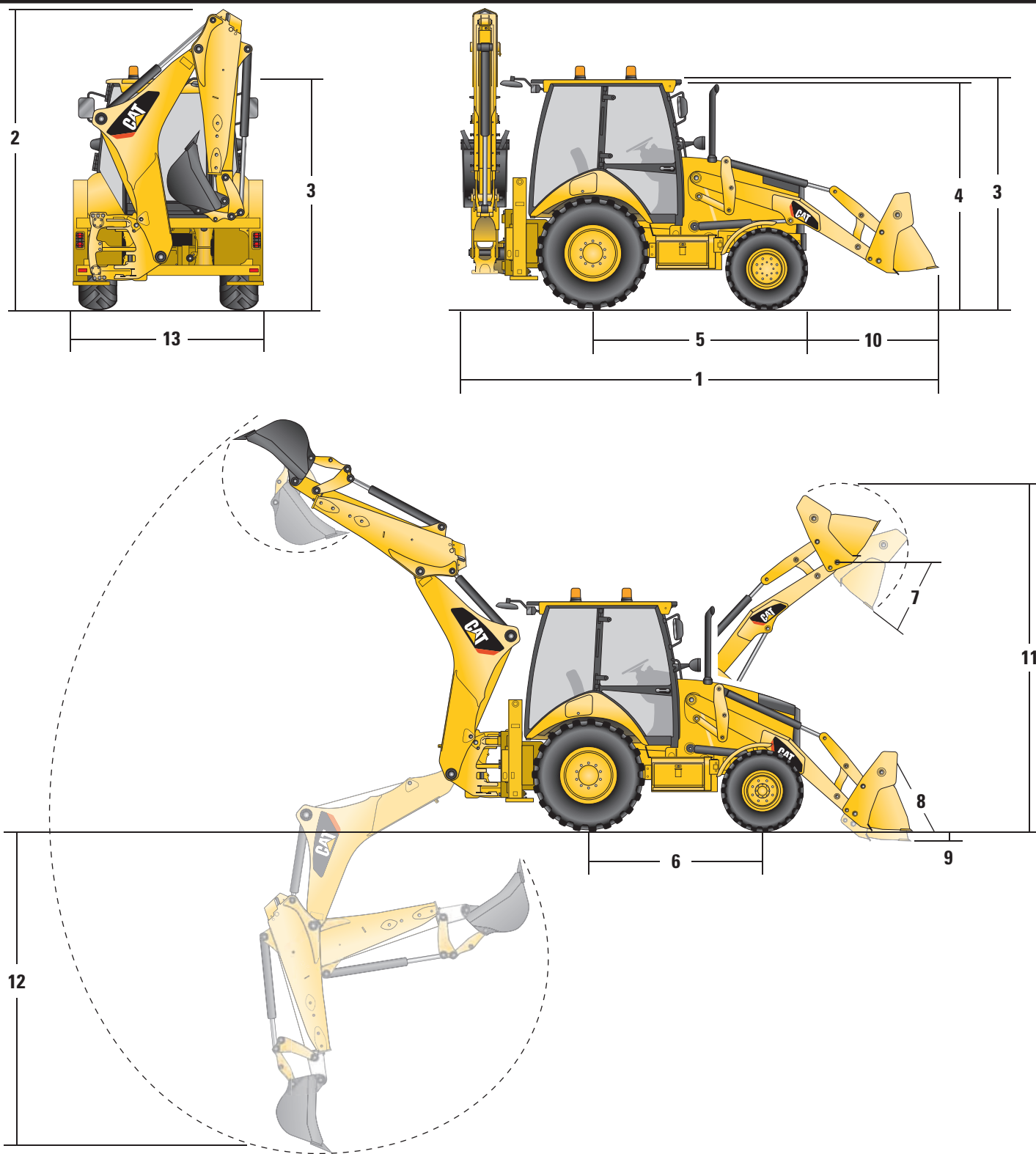


# 432F Backhoe Loaders



Measurements based on: Sure Grip Lug 12.5/80-18 14PR (Front) and Industrial Sure Grip 16.9-28 12PR R4 (Rear)

# 432F Backhoe Loaders

| Machine Dimensions                            |         |         |               |
|-----------------------------------------------|---------|---------|---------------|
|                                               | GP      | MP      | MP with forks |
| Overall length (loader on ground) S-Stick     | 7398 mm | 7353 mm | 7353 mm       |
| Overall length (loader on ground) E-Stick     | 7398 mm | 7352 mm | 7352 mm       |
| 1 Overall length in roading position          | 5744 mm | 5714 mm | 5714 mm       |
| Overall transport length                      | 5750 mm | 5704 mm | 5704 mm       |
| 2 Overall transport height S-Stick            | 3779 mm | 3779 mm | 3779 mm       |
| Overall transport height E-Stick              | 3771 mm | 3771 mm | 3771 mm       |
| Overall width (machine, not including bucket) | 2352 mm | 2352 mm | 2352 mm       |
| 3 Height to top of cab                        | 2897 mm | 2897 mm | 2897 mm       |
| 4 Height to top of exhaust stack              | 2744 mm | 2744 mm | 2744 mm       |
| Height to loader hinge pin (transport)        | 371 mm  | 326 mm  | 326 mm        |
| Ground clearance (minimum)                    | 320 mm  | 320 mm  | 320 mm        |
| 5 Rear axle centerline to front grill         | 2705 mm | 2705 mm | 2705 mm       |
| Front wheel tread gauge                       | 1895 mm | 1895 mm | 1895 mm       |
| Rear wheel tread gauge                        | 1714 mm | 1714 mm | 1714 mm       |
| 6 Wheelbase 2WD/AWD                           | 2200 mm | 2200 mm | 2200 mm       |

| Dimensions and Performance – Loader             |         |         |               |
|-------------------------------------------------|---------|---------|---------------|
|                                                 | GP      | MP      | MP with forks |
| Capacity (SAE rated)                            | 1.00 m³ | 1.03 m³ | 1.03 m³       |
| Width                                           | 2406 mm | 2406 mm | 2406 mm       |
| Lift breakout force                             | 54.8 kN | 53.4 kN | 51.7 kN       |
| Tilt breakout force                             | 54.9 kN | 60.4 kN | 59.5 kN       |
| Lift capacity at maximum height                 | 3817 kg | 3580 kg | 3402 kg       |
| Tipping load at breakout point                  | 6804 kg | 6790 kg | 6641 kg       |
| Dump height at maximum angle                    | 2796 mm | 2823 mm | 2823 mm       |
| Dump reach at maximum angle                     | 805 mm  | 731 mm  | 731 mm        |
| Maximum hinge pin height                        | 3497 mm | 3497 mm | 3497 mm       |
| 7 Dump angle at full height                     | 46°     | 46°     | 46°           |
| 8 Maximum bucket rollback at ground level       | 38°     | 39°     | 39°           |
| 9 Digging depth                                 | 61 mm   | 94 mm   | 94 mm         |
| Maximum grading angle                           | 113°    | 116°    | 116°          |
| Width of dozer cutting edge                     | —       | 2406 mm | 2406 mm       |
| 10 Grill to bucket cutting edge, carry position | 1471 mm | 1423 mm | 1423 mm       |
| 11 Maximum operating height                     | 4394 mm | 4427 mm | 4883 mm       |
| Jaw opening maximum                             | —       | 790 mm  | 790 mm        |
| Bucket jaw clamping force                       | —       | 61 kN   | 61 kN         |
| Weight (does not include teeth or forks)        | 428 kg  | 611 kg  | 705 kg        |

| Dimensions and Performance – Backhoe           |                |                            |                           |                            |                           |
|------------------------------------------------|----------------|----------------------------|---------------------------|----------------------------|---------------------------|
|                                                | Standard Stick | E-Stick Retracted – 4.26 m | E-Stick Extended – 4.26 m | E-Stick Retracted – 4.87 m | E-Stick Extended – 4.87 m |
| Digging depth, SAE Maximum                     | 4278 mm        | 4281 mm                    | 5274 mm                   | 4613 mm                    | 5643 mm                   |
| Digging depth, manufacturer’s maximum          | 4775 mm        | 4814 mm                    | 5730 mm                   | 5238 mm                    | 6199 mm                   |
| Digging depth, 2440 mm flat bottom             | 3893 mm        | 3897 mm                    | 4966 mm                   | 4271 mm                    | 5352 mm                   |
| 12 Digging depth, 610 mm flat bottom           | 4235 mm        | 4239 mm                    | 5235 mm                   | 4589 mm                    | 5611 mm                   |
| Reach from swing pivot at ground line          | 5650 mm        | 5655 mm                    | 6583 mm                   | 6127 mm                    | 7078 mm                   |
| Reach from rear axle centerline at ground line | 6740 mm        | 6745 mm                    | 7670 mm                   | 7217 mm                    | 8168 mm                   |
| Maximum operating height                       | 5691 mm        | 5692 mm                    | 6297 mm                   | 6254 mm                    | 6984 mm                   |
| Loading height                                 | 4016 mm        | 4025 mm                    | 4630 mm                   | 4579 mm                    | 5309 mm                   |
| Loading reach                                  | 1669 mm        | 1617 mm                    | 2475 mm                   | 1535 mm                    | 2289 mm                   |
| Swing arc                                      | 180°           | 180°                       | 180°                      | 180°                       | 180°                      |
| Bucket rotation                                | 205°           | 205°                       | 205°                      | 205°                       | 205°                      |
| 13 Stabilizer (overall width)                  | 2352 mm        | 2352 mm                    | 2352 mm                   | 2352 mm                    | 2352 mm                   |
| Bucket dig force                               | 63.5 kN        | 63.4 kN                    | 63.4 kN                   | 63.4 kN                    | 63.4 kN                   |
| Stick dig force                                | 41.9 kN        | 42.5 kN                    | 31.1 kN                   | 46.2 kN                    | 34.6 kN                   |