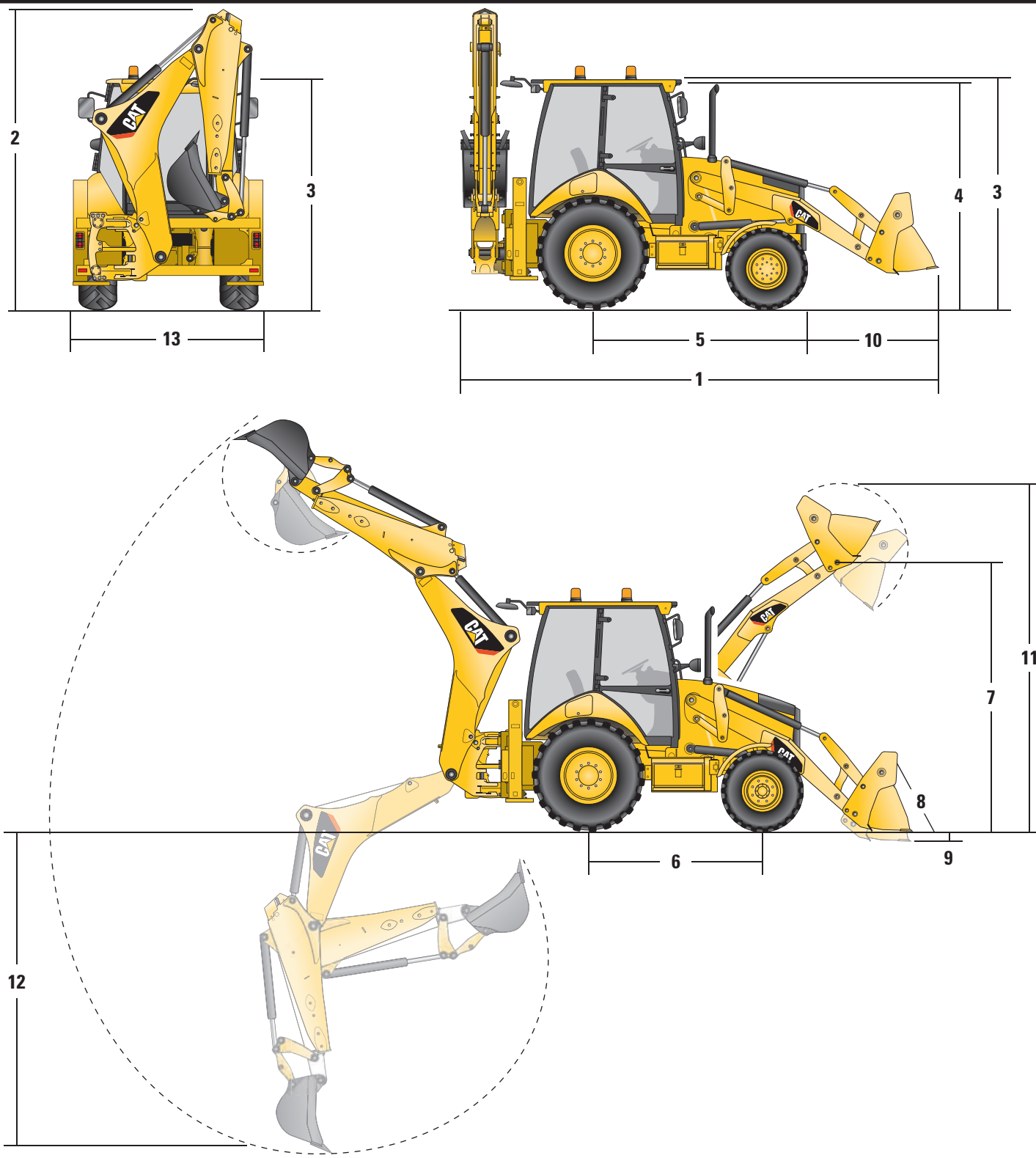


428F Backhoe Loaders



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

428F 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/canopy	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	54.8 kN	60.4 kN	59.5 kN
Lift capacity at maximum height	3817 kg	3580 kg	3402 kg
Tipping load at breakout point	6699 kg	6682 kg	6533 kg
Dump height at maximum angle	2796 mm	2823 mm	2823 mm
Dump reach at maximum angle	805 mm	731 mm	731 mm
Dump angle at full height	46°	46°	46°
7 Maximum hinge pin height	3497 mm	3497 mm	3497 mm
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	E-stick Retracted	E-stick Extended
Digging depth, SAE maximum	4278 mm	4281 mm	5274 mm
Digging depth, manufacturer's maximum	4775 mm	4813 mm	5730 mm
Digging depth, 2440 mm flat bottom	3893 mm	3897 mm	4966 mm
12 Digging depth, 610 mm flat bottom	4235 mm	4239 mm	5235 mm
Reach from rear axle centerline at ground line	6740 mm	6745 mm	7671 mm
Reach from swing pivot at ground line	5650 mm	5655 mm	6581 mm
Maximum operating height	5691 mm	5692 mm	6297 mm
Loading height	4016 mm	4025 mm	4630 mm
Loading reach	1669 mm	1617 mm	2475 mm
Swing arc	180°	180°	180°
Bucket rotation	205°	205°	205°
13 Stabilizer (overall width)	2352 mm	2352 mm	2352 mm
Bucket dig force	63.5 kN	63.4 kN	63.4 kN
Stick dig force	35.4 kN	36 kN	26.4 kN