



Technical Specifications

Configurations and features may vary by region. Please consult your Cat[®] dealer for availability in your area.

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325 Hydraulic Excavator Specifications

Engine Engine Model Cat® C4.4 Net Power - ISO 9249:2007 129 kW 172 hp Engine Power - ISO 14396:2002 129 kW 174 hp 105 mm 4 in Bore Stroke 127 mm 5 in Displacement 4.4 L 269 in³ Up to B20(1)

Biodiesel capability

• Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.

- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Net power is tested per ISO 9249:2007. Standards in effect at the time of manufacture.
- Net power available at the flywheel when engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 2,200 rpm.
- Rated speed at 2,200 rpm.
- ⁽¹⁾Cat engines are compatible with the following renewable, alternative, and bio-fuels* with lower greenhouse gas emission impact:
 - ✓ Up to B20 biodiesel (FAME)**
 - ✓ Up to 100% HVO and GTL renewable fuels
- *Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
- **For use of higher blends, consult your Cat dealer.

Swing Mechanism

| Swing Speed | 11.1 rpm | |
|---|-----------|---------------|
| Maximum Swing Torque | 82 kN·m | 60,300 lbf-ft |
| Weights | | |
| Operating Weight | 22 800 kg | 50,300 lb |
| • Standard undercarriage, Reach boom 0.90 m ³ (1.18 yd ³) bucket, 600 mm (24 4.9 mt (10,800 lb) counterweight. | | · · · |
| Operating Weight | 27 600 kg | 60,800 lb |
| • Long undercarriage, Reach boom, R2 0 90 m ³ (1 18 vd ³) bucket 600 mm (24 | | |

0.90 m³ (1.18 yd³) bucket, 600 mm (24") HD triple grouser shoes and 8.3 mt (18,300 lb) counterweight.

Track

| Optional Track Shoes Width | 600 mm | 24 in |
|---|--------|-------|
| Optional Track Shoes Width | 700 mm | 28 in |
| Optional Track Shoes Width | 790 mm | 31 in |
| Number of Shoes (each side) – for Standard Undercarriage | 45 | |
| Number of Track Rollers (each side) – for Standard Undercarriage | 7 | |
| Number of Shoes (each side) – for Long Undercarriage | 49 | |
| Number of Track Rollers (each side) – for Long Undercarriage | 8 | |
| Number of Carrier Rollers (each side) | 2 | |

liers (each side) 2

Drive

| Gradeability | 35°/70% | |
|----------------------|----------|------------|
| Maximum Travel Speed | 5.7 km/h | 3.5 mph |
| Maximum Drawbar Pull | 201 kN | 45,232 lbf |

Hydraulic System

| Main System – Maximum Flow – Implement | 429 L/min | 113 gal/min |
|---|------------|-------------|
| Maximum Pressure – Equipment – Normal | 35 000 kPa | 5,075 psi |
| Maximum Pressure – Travel | 35 000 kPa | 5,075 psi |
| Maximum Pressure – Swing | 27 500 kPa | 3,988 psi |
| Boom Cylinder – Bore | 125 mm | 5 in |
| Boom Cylinder – Stroke | 1410 mm | 56 in |
| Stick Cylinder – Bore | 140 mm | 6 in |
| Stick Cylinder – Stroke | 1504 mm | 59 in |
| Bucket Cylinder – Bore | 120 mm | 5 in |
| Bucket Cylinder – Stroke | 1104 mm | 43 in |

Service Refill Capacities

| Fuel Tank Capacity | 313 L | 82.7 gal |
|--|-------|----------|
| Cooling System | 12 L | 3.1 gal |
| Engine Oil (with filter) | 15 L | 4.0 gal |
| Swing Drive | 12 L | 3.2 gal |
| Final Drive (each) | 4 L | 1.1 gal |
| Hydraulic System (including tank) | 230 L | 60.8 gal |
| Hydraulic Tank (including suction pipe) | 111 L | 29.3 gal |
| DEF Tank | 26 L | 6.9 gal |
| Standards | | |

| Brakes | ISO 10265:2008 |
|-----------------|-------------------------|
| Cab/ROPS | ISO 12117-2:2008 |
| FOGS (optional) | ISO 10262:1998 Level II |

Sound Performance

| ISO 6395:2008 (external) | 97 dB(A) | |
|----------------------------|----------|--|
| ISO 6396:2008 (inside cab) | 70 dB(A) | |

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in a noisy environment.

Operating Weights and Ground Pressures

| | 600 mm (24 in) Triple Grouser Shoes | | 600 mm (24 in) HD Triple Grouser Shoes | | 700 mm (28 in) HD Triple Grouser Shoes | 790 mm (31 in) Triple Grouser Shoes | | 790 mm (31 in) HD Triple Grouser Shoes | | |
|---|---|--------------------|--|--------------------|--|---|--------------------|--|--------------------|--------------------|
| | Weight | Ground Pressure | Weight | Ground Pressure | Weight | Ground Pressure | Weight | Ground Pressure | Weight | Ground Pressure |
| | kg (lb) | kPa (psi) | kg (lb) | kPa (psi) | kg (Ib) | kPa (psi) | kg (lb) | kPa (psi) | kg (Ib) | kPa (psi) |
| ase Frame with Track Rollers and Carrier Ro | | | | | | | | | | |
| 4.9 mt (10,800 lb) Counterweight + Standar | d Underca | rriage Bas | e Machine | 9 | | | | | | |
| Reach Boom + R2.9B1 (9'6") Stick + 0.90 m ³ (1.18 yd ³) HDX Bucket | 22 800 (50,300) | 52.5 (7.6) | | | | | 23 300 (51,400) | 40.8 (5.9) | | |
| 8.3 mt (18,300 lb) Counterweight + Long Un | dercarriag | je Base Ma | chine | | | | | | | |
| Reach Boom + R2.9B1 (9'6") Stick + 0.90 m ³ (1.18 yd ³) HDX Bucket + AUX lines (HP + QC) | | | 27 600 (60,800) | 57.4 (8.3) | 27 900 (61,500) | 49.7 (7.2) | | | 28 000 (61,700) | 44.2 (6.3) |

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

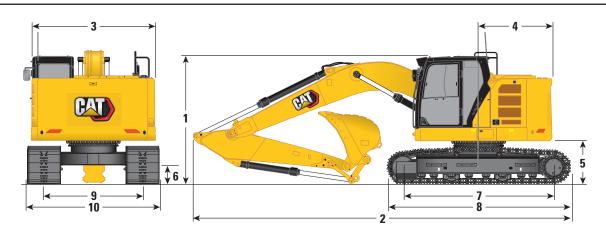
Major Component Weights

| | kg | lb |
|---|--------|--------|
| Base Machine Weight (including upperframe, boom cylinders without boom, stick, bucket, stick cylinder, | | |
| bucket cylinder, tracks, blade, fuel, operator) With 4.9 mt (10,800 lb) Counterweight and Standard Undercarriage | 16 220 | 35,800 |
| With 4.9 mt (10,800 lb) Counterweight and Long Undercarriage | 16 630 | 36,700 |
| With 4.9 mt (10,800 lb) Counterweight and Long Undercarriage (for use with Blade) | 17 490 | 38,500 |
| With 4.9 mt (10,000 lb) Counterweight and Long Undercarriage (101 use with Blade) With 8.3 mt (18,300 lb) Counterweight and Long Undercarriage | 20 250 | 44,600 |
| Track Shoes: | 20 230 | 44,000 |
| 600 mm (24") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes for Standard Undercarriage | 2600 | 5,700 |
| 600 mm (24") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes for Long Undercarriage | 2830 | 6,200 |
| 600 mm (24") Width, 12.5 mm (0.49") Thick, HD Triple Grouser Track Shoes for Long Undercarriage | 3190 | 7,000 |
| 700 mm (28") Width, 12.5 mm (0.49") Thick, HD Triple Grouser Track Shoes for Long Undercarriage | 3520 | 7,800 |
| 790 mm (31") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes for Standard Undercarriage with Step Extension for ISO 2867:2011 | 3110 | 6,900 |
| 790 mm (31") Width, 10 mm (0.39") Thick, Triple Grouser Track Shoes for Long Undercarriage with Step Extension for ISO 2867:2011 | 3380 | 7,500 |
| 790 mm (31") Width, 12.5 mm (0.49") Thick, HD Triple Grouser Track Shoes for Long Undercarriage with Step Extension for ISO 2867:2011 | 3860 | 8,500 |
| Two Boom Cylinders | 430 | 900 |
| Veight of 90% Fuel Tank and 75 kg (165 lb) Operator | 310 | 700 |
| Blades (including lines, cylinders, frame modifications): | | |
| 2980 mm (9'9") Width, suitable for use with 4.9 mt (10,800 lb) Counterweight and 600 mm (24") Width Track Shoes | 1090 | 2,400 |
| 3170 mm (10'5") Width, suitable for use with 4.9 mt (10,800 lb) Counterweight and 700 mm (28") or 790 mm (31") Width Track Shoes | 1130 | 2,500 |
| Counterweights: | | |
| 4.9 mt (10,800 lb) Counterweight | 4900 | 10,800 |
| 8.3 mt (18,300 lb) Counterweight | 8300 | 18,300 |
| Booms (including lines, pins, stick cylinder): | | |
| Reach Boom (5.7 m/18'8") | 1740 | 3,800 |
| HD Reach Boom (5.7 m/18'8") | 1910 | 4,200 |
| AUX Lines (HP + QC) | 130 | 300 |
| Sticks (including lines, pins, bucket cylinder, bucket linkage): | | |
| Reach Stick (R2.9B1/9'6") | 1030 | 2,300 |
| HD Reach Stick (R2.9B1/9'6") | 1150 | 2,500 |
| AUX Lines (HP + QC) | 60 | 100 |
| Buckets (without linkage, with tips and side cutters): | | |
| 0.80 m ³ (1.05 yd ³) GDX B Linkage | 690 | 1,500 |
| 0.90 m ³ (1.18 yd ³) GDX B Linkage | 720 | 1,600 |
| 0.90 m ³ (1.18 yd ³) HDX B Linkage | 850 | 1,900 |
| 1.19 m ³ (1.55 yd ³) HDX B Linkage | 1000 | 2,200 |
| | | |

Refer to page 8 for a complete list of bucket options.

Dimensions

All dimensions are approximate and may vary depending on bucket selection.

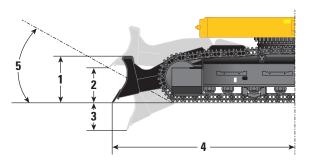


| Boom Option | Reach Boom 5.7 m (18'8") | | | | | | |
|--|---------------------------|----------------------|---------------------|---------|--|--|--|
| Stick Option | Reach Stick R2.9B1 (9'6") | | | | | | |
| Undercarriage Type | Stan | dard | Lo | ng | | | |
| 1 Machine Height: | | | | | | | |
| Top of Cab Height | 3074 mm | 10'1" | 3078 mm | 10'1" | | | |
| Top of FOGS Height | 3213 mm | 10'6" | 3217 mm | 10'7" | | | |
| Handrails Height | 3183 mm | 10'5" | 3187 mm | 10'5" | | | |
| With Boom/Stick/Bucket Installed | 3205 mm | 10'6" | 3209 mm | 10'6" | | | |
| With Boom/Stick Installed | 2979 mm | 9'9" | 2984 mm | 9'9" | | | |
| With Boom Installed | 2522 mm | 8'3" | 2526 mm | 8'3" | | | |
| 2 Machine Length: | | | | | | | |
| With Boom/Stick/Bucket Installed | 8677 mm | 28'6" | 8868 mm | 29'1" | | | |
| With Boom/Stick Installed | 8660 mm | 28'5" | 8850 mm | 29'0" | | | |
| With Boom Installed | 7592 mm | 24'11" | 7782 mm | 25'6" | | | |
| With Blade Installed | | _ | 9565 mm | 31'5" | | | |
| 3 Upperframe Width without Walkways | 2987 mm | 9'10" | 2987 mm | 9'10" | | | |
| 4 Tail Swing Radius | 1780 mm | 5'10" | 1814 mm | 5'11" | | | |
| 5 Counterweight Clearance | 1018 mm | 3'3" | 978 mm | 3'2" | | | |
| 6 Ground Clearance | 441 mm | 1'4" | 441 mm | 1'4" | | | |
| 7 Length to Center of Rollers | 3265 mm | 10'9" | 3646 mm | 12'0" | | | |
| 8 Track Length | 4074 mm | 13'4" | 4455 mm | 14'7" | | | |
| 9 Track Gauge | 2200 mm | 7'3" | 2380 mm | 7'10" | | | |
| 10 Undercarriage Width: | | | | | | | |
| 600 mm (24") Shoes | 2800 mm | 9'2" | 2980 mm | 9'9" | | | |
| 700 mm (28") Shoes | _ | | 3080 mm | 10'1" | | | |
| 790 mm (31") Shoes | 2990 mm | 9'10" | 3170 mm | 10'5" | | | |
| Bucket Type | HE | DX | HI | DX | | | |
| Bucket Capacity | 0.90 m ³ | 1.18 yd ³ | 0.90 m ³ | 1.18 yd | | | |
| Bucket Tip Radius | 1489 mm | 4'11" | 1489 mm | 4'11" | | | |
| | | | | | | | |

325 Hydraulic Excavator Specifications

Blade Dimensions (Long Undercarriage only)

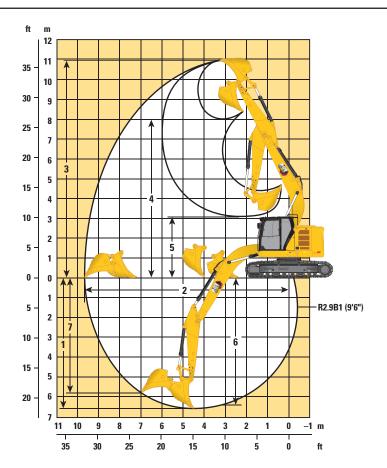
All dimensions are approximate.



| Track Shoe Width | 600 n (24 | | 700 mm (28") | 790 mm (31") | |
|---|----------------|-------|--------------------|-----------------|--|
| Blade Options | 2980 (9'9 | | 3170 mm (10'5") | | |
| 1 Blade Moldboard Height | 695 mm | 2'3" | 695 mm | 2'3" | |
| 2 Blade Maximum Cutting Edge Rise | 581 mm | 1'11" | 581 mm | 1'11" | |
| 3 Blade Minimum Cutting Edge Depth | 482 mm | 1'7" | 482 mm | 1'7" | |
| 4 Blade Edge from Machine Center | 2925 mm | 9'7" | 2925 mm | 9'7" | |
| 5 Ramp Angle | 28.8 de | grees | 28.8 de | grees | |

Working Ranges and Forces

All dimensions are approximate and may vary depending on bucket selection.



| Boom Option | | Reach Boon | ı 5.7 m (18'8") | | | | | | |
|---|---------------------------|----------------------|---------------------|----------------------|--|--|--|--|--|
| Stick Option | Reach Stick R2.9B1 (9'6") | | | | | | | | |
| Undercarriage Type | Stan | dard | Lo | ng | | | | | |
| 1 Maximum Digging Depth | 6600 mm | 21'8" | 6600 mm | 21'8" | | | | | |
| 2 Maximum Reach at Ground Line | 9670 mm | 31'9" | 9670 mm | 31'9" | | | | | |
| 3 Maximum Cutting Height | 10 930 mm | 35'10" | 10 930 mm | 35'10" | | | | | |
| 4 Maximum Loading Height | 8000 mm | 26'3" | 8000 mm | 26'3" | | | | | |
| 5 Minimum Loading Height | 3080 mm | 10'1" | 3080 mm | 10'1" | | | | | |
| 6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom | 6420 mm | 21'1" | 6420 mm | 21'1" | | | | | |
| 7 Maximum Vertical Wall Digging Depth | 5820 mm | 19'1" | 5820 mm | 19'1" | | | | | |
| Minimum Working Equipment Radius | 2330 mm | 7'8" | 2330 mm | 7'8" | | | | | |
| Bucket Digging Force (ISO) | 148 kN | 33,272 lbf | 148 kN | 33,272 lbf | | | | | |
| Stick Digging Force (ISO) | 103 kN | 23,155 lbf | 103 kN | 23,155 lbf | | | | | |
| Bucket Type | HI | HDX H | | | | | | | |
| Bucket Capacity | 0.90 m ³ | 1.18 yd ³ | 0.90 m ³ | 1.18 yd ³ | | | | | |
| Bucket Tip Radius | 1489 mm | 4'11" | 1489 mm | 4'11" | | | | | |

Bucket Specifications and Compatibility

| | | | | | | | | | Underg | idard arriage | | | | | | |
|---------------------------------|---------|------|---------|----------------|------------|----------|---------|----------|----------------|----------------------|----------------|---------------------|----------------|---------------------|-------------------------------------|---------------------|
| | | | | | | | | | | 0,800 lb) rweight | | | | | 8.3 mt (18,300 lb) Counterweight | |
| | | | | | | | | | No E | Blade | No E | Blade | | lade Up Front | No E | Blade |
| | | Wi | dth | Capacity | | Weight | | Fill | Reach Boom | HD Reach Boom | Reach Boom | HD Reach Boom | Reach Boom | HD Reach Boom | Reach Boom | HD Reach Boom |
| | Linkage | mm | in | m ³ | yd³ | kg | lb | % | R2.9 (9'6") | HD R2.9 (9'6") | R2.9 (9'6") | HD R2.9 (9'6") | R2.9 (9'6") | HD R2.9 (9'6") | R2.9 (9'6") | HD R2.9 (9'6") |
| Pin-On (No Quick Coupler) | | | | | | | | | | | | | | | | |
| General Duty Excavation | В | 950 | 37 | 0.80 | 1.05 | 686 | 1,511 | 100 | | ۲ | | | ۲ | | | |
| | В | 1050 | 41 | 0.90 | 1.18 | 719 | 1,584 | 100 | ۲ | θ | | | | | | |
| | В | 1150 | 45 | 1.00 | 1.31 | 751 | 1,655 | 100 | θ | 0 | ۲ | ۲ | | | | |
| Heavy Duty Excavation | В | 950 | 37 | 0.80 | 1.05 | 796 | 1,755 | 100 | ۲ | ۲ | | | | | • | |
| | В | 1050 | 41 | 0.90 | 1.17 | 835 | 1,841 | 100 | θ | θ | | ۲ | | | | |
| Heavy Duty Excavation, Skeleton | В | 1050 | 41 | 0.90 | 1.18 | 855 | 1,885 | 100 | θ | θ | | ۲ | | | | |
| Tamping | В | 2200 | 86 | 0.72 | 0.94 | 868 | 1,913 | 100 | ۲ | ۲ | | | | | | |
| | В | 2200 | 86 | 0.90 | 1.18 | 891 | 1,965 | 100 | θ | 0 | ۲ | ۲ | | | | |
| | | Max | imum lo | ad with p | oin-on (pa | ayload + | bucket) | kg Ib | 2290 5,049 | 2170 4,784 | 2655 5,853 | 2540 5,600 | 2900 6,393 | 2845 6,272 | 3780 8,333 | 3730 8,223 |
| With Pin Grabber Coupler | | | | | | | | | | | | | | | | |
| General Duty Excavation | В | 950 | 37 | 0.80 | 1.05 | 686 | 1,511 | 100 | θ | 0 | ۲ | ۲ | | | | |
| | В | 1050 | 41 | 0.90 | 1.18 | 719 | 1,584 | 100 | 0 | 0 | Θ | θ | ۲ | ۲ | | |
| | В | 1150 | 45 | 1.00 | 1.31 | 751 | 1,655 | 100 | \diamond | \diamond | θ | 0 | ۲ | θ | | |
| Heavy Duty Excavation | В | 950 | 37 | 0.80 | 1.05 | 796 | 1,755 | 100 | 0 | 0 | ۲ | θ | | | | |
| | В | 1050 | 41 | 0.90 | 1.17 | 835 | 1,841 | 100 | 0 | \diamond | θ | θ | ۲ | ۲ | | |
| Heavy Duty Excavation, Skeleton | В | 1050 | 41 | 0.90 | 1.18 | 855 | 1,885 | 100 | \diamond | \diamond | θ | 0 | ۲ | ۲ | | |
| Tamping | В | 2200 | 86 | 0.72 | 0.94 | 868 | 1,913 | 100 | 0 | 0 | ۲ | ۲ | | | | |
| | В | 2200 | 86 | 0.90 | 1.18 | 891 | 1,965 | 100 | \diamond | \diamond | Θ | 0 | ۲ | θ | | |
| | | Maxi | num loa | d with co | oupler (pa | ayload + | bucket) | kg Ib | 1868 4,119 | 1748 3,854 | 2233 4,924 | 2118 4,670 | 2478 5,463 | 2423 5,343 | 3358 7,404 | 3308 7,294 |

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

2100 kg/m³ (3,500 lb/yd³)

- 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- O 1200 kg/m³ (2,000 lb/yd³)
- 900 kg/m³ (1,500 lb/yd³)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

325 Hydraulic Excavator Specifications

Attachments Offering Guide

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

| \checkmark | Match |
|--------------|-------|
|--------------|-------|

* Working range front only

† Allowed usage on machine less than 50%

No Match

PIN-ON ATTACHMENTS

| Undercarriage | | Sta | ndard | .ong | Long | | | |
|-------------------|---------------------------|------------------|----------------------|------------------|----------------------|--------------------|---------------------|--|
| Counterweight | | | 4.9 mt (10 |),800 lb) | | 8.3 mt (18,300 lb) | | |
| Boom Type | | Reach | Reach HD | Reach | Reach HD | Reach | Reach HD | |
| Stick Size | | 2.92 m (9'7") | R2.92 m HD (9'7") | 2.92 m (9'7") | R2.92 m HD (9'7") | 2.9 m (9'6") | 2.9 m HD (9'6'') | |
| Hydraulic Hammers | H120 GC Side Mount | \checkmark | √ | \checkmark | √ | \checkmark | √ | |
| | H120 S | \checkmark | √ | \checkmark | \checkmark | \checkmark | \checkmark | |
| | H130 S | à | √* | à | \checkmark | à | \checkmark | |
| Pulverizers | P218 Secondary Pulverizer | | | \checkmark | √* | | | |
| | P318 Primary Pulverizer | | | ✓ | √* | | | |

CAT PIN GRABBER COUPLER ATTACHMENTS

| Undercarriage Counterweight | | Sta | ndard | L | ong | Long 8.3 mt (18,300 lb) | | |
|--------------------------------|--------------------|-------------------|----------------------|-------------------|---------------------|----------------------------|---------------------|--|
| | | 4.9 mt (| 10,800 lb) | 4.9 mt (| 10,800 lb) | | | |
| Boom Type | | Reach | Reach HD | Reach | Reach HD | Reach | Reach HD | |
| Stick Size | | R2.9 m (9'6'') | R2.9 m HD (9'6'') | R2.9 m (9'6'') | R2.9 m HD (9'6") | 2.9 m (9'6'') | 2.9 m HD (9'6'') | |
| Hydraulic Hammers | H120 GC Side Mount | à* | | à | ✓ | \checkmark | \checkmark | |
| | H120 S | à* | √* | à | ✓ | à | \checkmark | |
| | H130 S | | | à | √* | à | \checkmark | |

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Optional |
|---|--------------|--------------|---|---------------|-----------|
| CAT TECHNOLOGY | | | ENGINE | | |
| Cat Product Link TM | \checkmark | | Three selectable modes: Power, | \checkmark | |
| Work tool recognition | \checkmark | | Smart, Eco | | |
| Work tool tracking* | \checkmark | | 4500 m (14,760 ft) altitude capability | \checkmark | |
| Laser catcher | | \checkmark | with engine power derate above 3000 m (9,840 ft) | | |
| Cat Grade with 2D and offset memory | \checkmark | | 50° C (122° F) high-ambient cooling | ✓ | |
| Cat Grade with Advanced 2D | | \checkmark | capacity without derate | | |
| Cat Grade with 3D connectivity: | \checkmark | | –18° C (0° F) cold start capability | \checkmark | |
| - Compatibility with radios and base stations from Trimble, Topcon, | | | Sealed double element air filter with integrated precleaner | \checkmark | |
| and Leica – Capability to install 3D grade systems | | | 1×145 amp dual alternator | \checkmark | |
| from Trimble, Topcon, and Leica | | | Electric fuel priming pump | \checkmark | |
| Cat Assist: | \checkmark | | Reversible electric cooling fans | \checkmark | |
| – Grade Assist – Boom Assist | | | Two-stage fuel filtration system with water separator and indicator | \checkmark | |
| – Bucket Assist | | | HYDRAULIC SYSTEM | | |
| - Swing Assist | ✓ | | Electric main control valve | \checkmark | |
| Cat Payload: – Static weigh | v | | Boom and stick regeneration circuits | \checkmark | |
| - Semiautomatic calibration | | | Automatic hydraulic oil warm up | \checkmark | |
| - Payload/cycle information | | | Automatic two-speed travel | \checkmark | |
| – USB reporting capability | | | Boom and stick drift reduction valve | \checkmark | |
| 2D E-Fence: – E-ceiling | \checkmark | | CRN compliant accumulator | \checkmark | |
| – E-floor | | | Tandem type electronic main pump | \checkmark | |
| – E-swing | | | Element type main hydraulic filter | \checkmark | |
| – E-wall – E-cab avoidance | | | | (continued on | next page |
| Auto hammer stop | \checkmark | | | | |
| Remote Services capability | ✓ | | | | |

*Paired with PL161 attachment locator.

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Option |
|--|--------------|--------------|---|--------------|--------------|
| JNDERCARRIAGE AND STRUCTURES | | | ELECTRICAL SYSTEM | | |
| Base frame with standard track rollers | | \checkmark | Maintenance free battery | \checkmark | |
| and standard carrier rollers | | | LED chassis light, left-hand/right-hand | \checkmark | |
| Base frame with standard track | | \checkmark | boom lights, cab lights – 1,800 lumens | | |
| rollers and standard carrier rollers for use with blade | | | Centralized electrical disconnect switch | \checkmark | |
| Standard base frame with standard track | ✓ | | Programmable time-delay working lights | \checkmark | |
| rollers and standard carrier rollers for | · | | Premium surround lighting package | | \checkmark |
| long undercarriage | | | SERVICE AND MAINTENANCE | | |
| Standard base frame with standard track rollers and standard carrier rollers for | | \checkmark | Sampling ports for Scheduled Oil Sampling (S·O·S SM) | ~ | |
| long undercarriage for use with blade | | | Grouped location for engine oil | \checkmark | |
| Tie-down points on base frame | \checkmark | | and fuel filters | | |
| (ISO 15818:2017 compliant) Grease lubricated track | 1 | | Ground-level second dipstick for engine oil | \checkmark | |
| | ✓ ✓ | | SAFETY AND SECURITY | | |
| Segmented track guiding guards | ✓ | | | ✓ | |
| Center track guiding guards (standard undercarriage only) | | \checkmark | Rear and right-hand-sideview cameras 360° visibility | v | |
| Bottom guards | ✓ | | | | ✓ |
| Travel motor guards | • • | | Right-hand handrail and hand hold (ISO 2867:2011 compliant) | V | |
| 4.9 mt (10,800 lb) counterweight | v | ✓ | Service platform with anti-skid plate | ✓ | |
| 8.3 mt (18,300 lb) counterweight* | | | and countersunk bolts | | |
| | | ✓ ✓ | Hydraulic lock out lever neutralizes | \checkmark | |
| 600 mm (24") triple grouser track shoes | | | all controls | | |
| 700 mm (28") triple grouser track shoes | | ✓ | Ground-level accessible secondary | \checkmark | |
| 790 mm (31") triple grouser track shoes with step extension for ISO 2867 | | \checkmark | engine shutoff switch in cab | | |
| 2980 mm (9'9") blade | | ✓ | Signaling/warning horn | \checkmark | |
| 3170 mm (10'5") blade | | • ./ | Falling object guard system | | \checkmark |
| BOOMS, STICKS AND LINKAGES | | v | | | |
| | | ✓ | | | |
| 5.7 m (18'8") Reach boom | | | | | |
| 5.7 m (18'8") HD Reach boom | | ✓ ✓ | | | |
| 2.9 m (9'6") Reach stick | | | | | |
| 2.9 m (9'6") HD Reach stick | | ✓ | | | |
| Bucket linkage, B1 family without lifting eye, Cat Grade | | ✓ | | | |
| Bucket linkage, B1 family with lifting hook for shovel crane | | \checkmark | | | |

*Not compatible with blade.

325 Cab Options

Cab Options

| | Comfort | Deluxe | Premium |
|--|---------|--------|---------|
| ROPS, standard sound suppression with viscous mounts | | • | |
| High-resolution 203 mm (8") LCD touchscreen monitor | • | Х | Х |
| High-resolution 254 mm (10") LCD touchscreen monitor* | 0 | | |
| Additional high-resolution LCD touchscreen monitor for Cat Grade Advanced 2D and 3D | 0 | 0 | 0 |
| Automatic bi-level air conditioner | • | | |
| Jog dial and shortcut keys for monitor control | • | • | |
| Keyless push-to-start engine control | • | | |
| Height-adjustable console, three steps with tool | • | Х | Х |
| Height-adjustable infinite, with no tool | Х | • | |
| Fixed left-side console | • | Х | Х |
| Tilt-up left-side console | Х | | |
| Cat Stick Steer | 0 | 0 | 0 |
| Mechanically adjustable seat suspension | | Х | Х |
| Heated seat with air-adjustable suspension | Х | | Х |
| Heated and cooled seat with automatic adjustable suspension | Х | Х | |
| 51 mm (2") orange seat belt | | | |
| Bluetooth integrated radio (including USB, aux port and microphone) | | | |
| 2×12 V DC outlets | | | |
| Document storage | | | |
| Rear head storage net and lunchbox storage net | Х | | |
| Cup and bottle holders | • | | |
| One-piece windshield (with fixed glass skylight) | Х | Х | 0 |
| Openable two-piece front window | | | 0 |
| Upper radial wiper with washer | | | Х |
| Parallel wiper with washer | Х | Х | |
| Openable steel hatch | • | Х | Х |
| Openable polycarbonate skylight hatch | Х | | 0 |
| Fixed glass skylight (with one-piece windshield) | Х | Х | 0 |
| LED dome light | • | • | • |
| Floor welcome light | Х | • | |
| Roller front sunscreen | • | • | |
| Roller rear sunscreen | 0 | 0 | |
| Rear window emergency exit | • | • | |
| Washable floor mat | - | - | |
| Beacon ready | - | - | - |

Standard

O Optional

X Not available

*Only for use with 360° visibility.

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

SAFETY AND SECURITY

• 76 mm (3") retractable seat belt

- LH/RH electric pedal for tool control
- Dual exit rear window kit
- Rain protector plus cab light cover
- Polycarbonate roof hatch (for Comfort cab only)
- Front windshield laminated glass (P5A glass)
- Bluetooth $\ensuremath{^\mathbb{R}}$ key fob

GUARDS

- Mesh guard full front
- Mesh guard lower half front
- ${\scriptstyle \bullet}$ Cab vandalism guard



325 Tunneling Hydraulic Excavator

The Cat[®] 325 Tunneling excavator is a specially modified design to meet the harsh conditions of underground applications. The machine features a reinforced upper and lower frame as well as a choice of two specially designed sets of front parts: Mass Excavation and Short Reach for tunneling. Other modifications include silicone sealing for each electrical component, a simplified cab, and specific safety features. The machine can be equipped with a variety of tools, from extreme service buckets to hammers and rotary grinders rotary grinders. A shovel crane system is available to help operators work safely by knowing the load on hand.

Machine Modifications to meet Harsh Working Conditions

- Choice of Tunneling Mass excavation or Short reach front parts to provide high digging forces or work in tight areas.
- Reinforced upper and lower frames to match the toughest conditions found underground.
- All electrical harnesses connections are protected by extra silicone to avoid water entry.
- Simplified cab. Mounting points for fire extinguisher are offered from factory.
- Regulatory features such as extra flashlight for visibility and shovel crane for mass excavation to know load on hand.
- Safety features such as an optional 360° camera and 360° lighting.
- Machine protection including boom light covers and bucket cylinder guard sleeve.
- Standard hammer return filter protects the machine hydraulics in case of hammer seal failure.



325 Tunneling Hydraulic Excavator Specifications

Engine

| • | | |
|-------------------------------|------------|---------------------|
| Engine Model | Cat® C4.4 | |
| Net Power – ISO 9249:2007 | 129 kW | 172 hp |
| Engine Power – ISO 14396:2002 | 129 kW | 174 hp |
| Bore | 105 mm | 4 in |
| Stroke | 127 mm | 5 in |
| Displacement | 4.40 L | 269 in ³ |
| Biodiesel capability | Up to B200 | 1) |

• Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.

- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Net power is tested per ISO 9249:2007. Standards in effect at the time of manufacture.
- Net power available at the flywheel when engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 2,200 rpm.
- Rated speed at 2,200 rpm
- ⁽¹⁾Cat engines are compatible with the following renewable, alternative, and bio-fuels* with lower greenhouse gas emission impact:
 - ✓ Up to B20 biodiesel (FAME)**
 - ✓ Up to 100% HVO and GTL renewable fuels
- *Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
- **For use of higher blends, consult your Cat dealer.

Swing Mechanism

| Swing Speed | 11.12 rpm | |
|----------------------|-----------|---------------|
| Maximum Swing Torque | 82 kN·m | 60,360 lbf-ft |
| Weights | | |

Operating Weight 55,100 lb 25 000 kg • Long undercarriage, Mass boom, M2.4 (7'10") stick, XSP 0.80 m³ (1.05 yd³) bucket, 600 mm (24") triple grouser shoes and 4.9 mt (10,800 lb) counterweight. ***

| Operating | Weigh | t | | 25 10 |)0 kg | 55,100 lb | |
|-----------|-------|---|--|-------|-------|-----------|--|
| | | | | | | | |

• Long undercarriage, Short Reach boom, M3.2 (10'5") stick, HDX 0.90 m³ (1.2 yd³) bucket, 600 mm (24") triple grouser shoes and 4.9 mt (10,800 lb) counterweight.

| Track | | |
|---------------------------------------|--------|-------|
| Optional Track Shoes Width | 600 mm | 24 in |
| Number of Shoes (each side) | 49 | |
| Number of Track Rollers (each side) | 8 | |
| Number of Carrier Rollers (each side) | 2 | |

| Drive | | |
|----------------------|----------|------------|
| Gradeability | 35°/70% | |
| Maximum Travel Speed | 5.7 km/h | 3.5 mph |
| Maximum Drawbar Pull | 201 kN | 45,232 lbf |

Hydraulic System

| Main System – Maximum Flow (Implement) | 429 L/min (2 × pumps) | 113 gal/min (2 × pumps) |
|---|--------------------------|----------------------------|
| Maximum Pressure – Equipment – Implement | 35 000 kPa | 5,075 psi |
| Maximum Pressure – Travel | 35 000 kPa | 5,075 psi |
| Maximum Pressure – Swing | 27 508 kPa | 3,989 psi |
| Boom Cylinder – Bore | 120 mm | 5 in |
| Boom Cylinder – Stroke | 1260 mm | 50 in |
| Stick Cylinder – Bore | 140 mm | 6 in |
| Stick Cylinder – Stroke | 1518 mm | 60 in |
| Bucket Cylinder – Bore | 135 mm | 5 in |
| Bucket Cylinder – Stroke | 1156 mm | 46 in |
| | | |

Service Refill Capacities

| Fuel Tank Capacity | 313 L | 82.7 gal |
|-----------------------------------|-------|----------|
| Cooling System | 12 L | 3.1 gal |
| Engine Oil (with filter) | 15 L | 4.0 gal |
| Swing Drive (each) | 12 L | 3.2 gal |
| Final Drive (each) | 5 L | 1.2 gal |
| Hydraulic System (including tank) | 230 L | 60.8 gal |
| Hydraulic Tank | 111 L | 29.4 gal |
| DEF Tank | 26 L | 6.9 gal |
| | | |

Standards

| Brakes | ISO 10265:2008 |
|-----------------|-------------------------|
| FOGS (optional) | ISO 10262:1998 Level II |

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.8 kg of refrigerant which has a CO₂ equivalent of 1.144 metric tonnes.

Operating Weights and Ground Pressures

| | 600 mm (24 in) Triple Grouser Shoes | | |
|--|-------------------------------------|--------------------|--|
| _ | Weight | Ground Pressure | |
| - | kg (lb) | kPa (psi) | |
| ise Frame with Track Rollers and Carrier Rollers | | | |
| 4.9 mt (10,800 lb) Counterweight + Long Undercarriage Base Machine | | | |
| Mass Boom + M2.4 (7'10") Stick + 0.80 m ³ (1.05 yd ³) XSP Bucket | 25 000 kg (55,100 lb) | 52 kPa (7.5 psi) | |
| Short Reach Boom + M3.2 (10'5") Stick + 0.90 m ³ (1.18 yd ³) HDX Bucket | 25 100 kg (55,300 lb) | 52.2 kPa (7.6 psi) | |

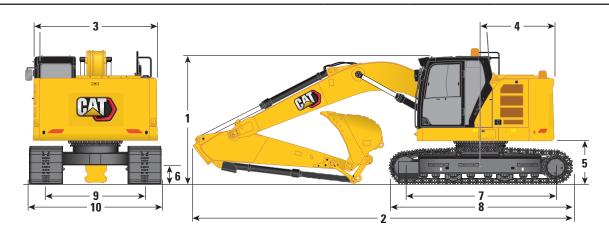
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

Major Component Weights

| | kg | lb |
|---|--------|--------|
| Base Machine Weight (including upperframe, long undercarriage, counterweight, boom cylinders, without boom, stick, bucket, stick cylinder, bucket cylinder, tracks, fuel, operator) | | |
| With Mass Front | 17 000 | 37,500 |
| With Short Reach Front | 16 970 | 37,400 |
| Track Shoes: | | |
| 600 mm (24") Width, 12 mm (0.49") Thick, Triple Grouser Track Shoes | 3200 | 7,000 |
| Two Boom Cylinders for Mass Front | 360 | 800 |
| Two Boom Cylinders for Short Reach Front | 340 | 800 |
| Weight of 90% Fuel Tank and 75 kg (165 lb) Operator | 330 | 700 |
| Counterweight: | | |
| 4.9 mt Counterweight | 4900 | 10,800 |
| Boom (including lines, pins, stick cylinder): | | |
| Mass Boom 5.2 m (7'1") | 1940 | 4,300 |
| Short Reach Boom 4.25 m (13'11") | 2140 | 4,700 |
| Stick (including lines, pins, bucket cylinder, bucket linkage): | | |
| Mass Stick M2.4CB2 (7'10") | 1490 | 3,300 |
| Short Reach Stick M3.2B1 (10'5") | 1600 | 3,500 |
| Bucket (without linkage, with tips and side cutters): | | |
| 0.80 m ³ (1.05 yd ³) XSP CB2 Linkage | 1010 | 2,200 |
| 0.90 m ³ (1.18 yd ³) HDX B Linkage | 850 | 1,900 |

Dimensions

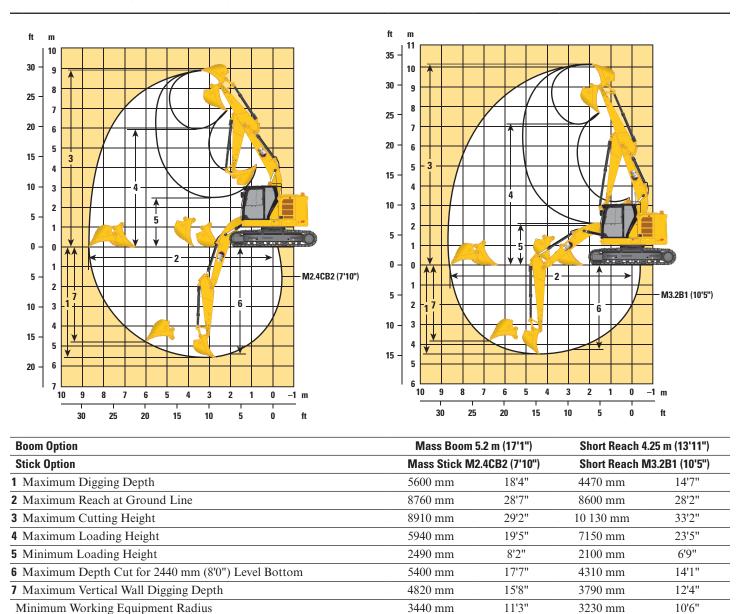
All dimensions are approximate and may vary depending on bucket selection.



| Boom Option | Mass Boom | 5.2 m (17'1") | Short Reach 4 | 4.25 m (13'11") |
|--|---------------------|----------------------|---------------------|----------------------|
| Stick Option | Mass Stick Ma | 2.4CB2 (7'10") | Short Reach I | M3.2B1 (10'5") |
| 1 Machine Height (excludes flash beacon): | | | | |
| Top of Cab Height | 3078 mm | 10'1" | 3078 mm | 10'1" |
| Top of FOGS Height | 3217 mm | 10'6" | 3217 mm | 10'6" |
| Handrails Height | 3187 mm | 10'5" | 3187 mm | 10'5" |
| With Boom/Stick/Bucket Installed | 3318 mm | 10'11" | 3625 mm | 11'9" |
| With Boom/Stick Installed | 3149 mm | 10'4" | 3298 mm | 10'8" |
| With Boom Installed | 2742 mm | 9'0" | NA | NA |
| 2 Machine Length: | | | | |
| With Boom/Stick/Bucket Installed | 8539 mm | 28'0" | 6856 mm | 22'5" |
| With Boom/Stick Installed | 8493 mm | 27'9" | 6892 mm | 22'6" |
| With Boom Installed | 7265 mm | 23'8" | 6303 mm | 20'7" |
| 3 Upperframe Width without Walkways | 2987 mm | 9'8" | 2987 mm | 9'8" |
| 4 Tail Swing Radius | 1780 mm | 5'8" | 1780 mm | 5'8" |
| 5 Counterweight Clearance | 1018 mm | 3'3" | 1018 mm | 3'3" |
| 6 Ground Clearance | 441 mm | 1'5" | 441 mm | 1'5" |
| 7 Length to Center of Rollers | 3646 mm | 12'0" | 3646 mm | 12'0" |
| 8 Track Length | 4455 mm | 14'6" | 4455 mm | 14'6" |
| 9 Track Gauge | 2380 mm | 7'9'' | 2380 mm | 7'9'' |
| 10 Undercarriage Width: | | | | |
| 600 mm (24") Shoe | 2980 mm | 9'8" | 2980 mm | 9'8" |
| Bucket Type | XS | XSP | | SP |
| Bucket Capacity | 0.80 m ³ | 1.05 yd ³ | 0.90 m ³ | 1.18 yd ³ |
| Bucket Tip Radius | 1577 mm | 5'2" | 1489 mm | 4'9" |
| | | | | |

Working Ranges and Forces

All dimensions are approximate and may vary depending on bucket selection.



188 kN

130 kN

0.80 m³

1577 mm

42 270 lbf

29 269 lbf

1.05 yd3

5'2"

XSP

175 kN

88 kN

0.90 m³

1489 mm

XSP

39 295 lbf

19 693 lbf

1.18 yd³ 4'9"

18

Bucket Digging Force (ISO)

Stick Digging Force (ISO)

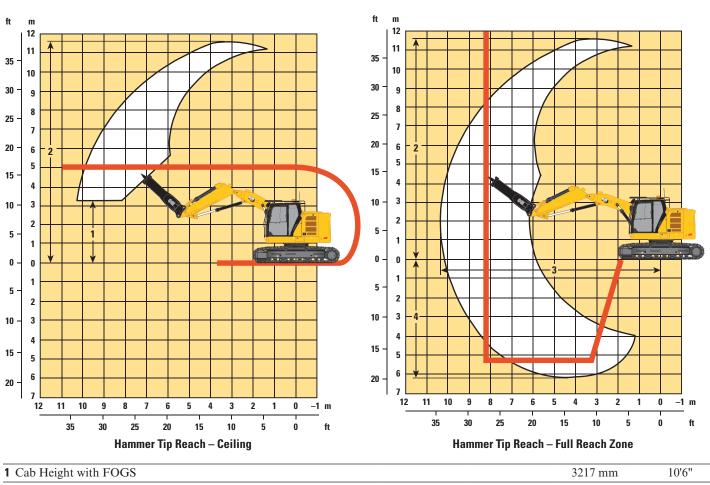
Bucket Type

Bucket Capacity

Bucket Tip Radius

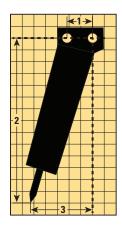
Hammer Working Range Charts – Short Reach

All dimensions are approximate and may vary depending on hammer selection.



| 1 Cab Height with FOGS | 3217 mm | 10'6" |
|----------------------------|-----------|--------|
| 2 Maximum Upward Reach | 11 550 mm | 37'10" |
| 3 Maximum Horizontal Reach | 10 360 mm | 33'11" |
| 4 Maximum Downward Reach | 6100 mm | 20' |

Note: Actual reach zones will vary depending on hammer dimensions.



Hammer Dimensions

| 1 Pin Spread | 445.1 mm | 1'5" |
|--|------------|------|
| 2 Vertical Offset from Stick Nose Pin | 2751. 4 mm | 9' |
| 3 Horizontal Offset from Stick Nose Pin | 1050.7 mm | 3'5" |

Bucket Specifications and Compatibility

| | | | | | | | | | 4.9 mt (10,800 | lb) Counterweight |
|---|---------|-------|----|----------------|-----------------|---------------|------------------------|------|----------------|-------------------|
| | | Width | | Capacity | | Weight | | Fill | Mass Boom | Short Reach Boom |
| | Linkage | mm | in | m ³ | yd ³ | kg | lb | % | M2.4 (7'10") | M3.2 (10'5") |
| Pin On (No Coupler) | • | | | | | | | | | 1 |
| Heavy Duty Excavation | СВ | 1060 | 42 | 0.80 | 1.00 | 1013 | 2,233 | 100 | • | |
| | В | 1050 | 41 | 0.90 | 1.18 | 850 | 1,874 | 100 | | |
| Maximum load with pin-on (payload + bucket) | | | | | kg | 3098 | 2810 | | | |
| | | | | waximur | n load with p | in-on (payloa | -on (payload + bucket) | | 6,830 | 6,195 |

Maximum Material Density:

2100 kg/m³ (3,500 lb/yd³)

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Attachments Offering Guide

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

| Counterweight | | 4.9 mt (10,800 lb) | | | |
|-------------------|--------|------------------------|----------------|--|--|
| Boom Type | | Mass | Short Reach | | |
| Stick Length | | M2 .4 m (7'10") | M3.2B1 (10'5") | | |
| Hydraulic Hammers | H120 S | \checkmark | ✓ | | |
| | H130 S | \checkmark | ✓ | | |
| | H140 S | \checkmark | ✓ | | |

| AT PIN GRABBER COUPLER ATTACHM Counterweight | IN GRABBER COUPLER ATTACHMENTS Iterweight | | I0,800 lb) | |
|---|---|------------------------|---------------|--|
| Boom Type | | Mass | Short Reach | |
| Stick Length | | M2 .4 m (7'10") | M3.2B1 (10'5" | |
| Hydraulic Hammers | H120 S | \checkmark | \checkmark | |
| | H130 S | \checkmark | \checkmark | |

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Optiona |
|--|--------------|---|---|---------------------------------------|-----------|
| CAB | | | TECHNOLOGY | | |
| Sound suppressed cab with | ✓ | | Cat Product Link [™] | ✓ | |
| viscous mounts | | | Work tool recognition | \checkmark | |
| High-resolution 203 mm (8") LCD touch screen monitor | \checkmark | | Remote Services capability | ✓ | |
| High-resolution 254 mm (10") LCD touch screen monitor* | | ~ | ENGINE Three selectable modes: Power, Smart, Eco | √ | |
| Automatic bi-level air conditioner | \checkmark | | 4500 m (14,760 ft) altitude capability | ✓ | |
| Jog dial and shortcut keys for monitor control | \checkmark | | with engine power derate above 3000 m (9,840 ft) | v | |
| Keyless push-to-start engine control Height-adjustable console, three steps | ✓ ✓ | | 50° C (122° F) high-ambient cooling capacity without derate | \checkmark | |
| with tool | • | | $-18^{\circ} \text{ C} (0^{\circ} \text{ F}) \text{ cold start capability}$ | ✓ | |
| Fixed left-side console | √ | | Sealed double element air filter with | · · · · · · · · · · · · · · · · · · · | |
| Cat Stick Steer | | \checkmark | integrated precleaner | · | |
| Mechanically adjustable seat suspension | ✓ | | 1 × 145 amp dual alternator | ✓ | |
| 51 mm (2") orange seat belt | √ | | Electric fuel priming pump | √ | |
| Cab and machine harness connectors sealed with silicone | \checkmark | | Reversible electric cooling fans Two-stage fuel filtration system with | √ √ | |
| Flash light harness | √ | | water separator and indicator | v | |
| 2×12 V DC outlets | √ | | HYDRAULIC SYSTEM | | |
| Document storage | √ | | Electric main control valve | ✓ | |
| up and bottle holders \checkmark Tool control with sele | | Tool control with selectable one or two | \checkmark | | |
| Lunch box storage | √ | | way and one or two pumps | | |
| Dome and lower LED interior lights | √ | | Boom and stick regeneration circuits | ✓ | |
| Openable two-piece front window | √ | | Automatic hydraulic oil warm up | √ | |
| Upper radial wiper with washer | √ | | Automatic two-speed travel | √ | |
| Openable steel hatch | √ | | Boom and stick drift reduction valve | \checkmark | |
| FOGS installation capability | √ | | Tandem type electronic main pump | √ | |
| Roller front sunscreen | √ | | Element type main hydraulic filter | \checkmark | |
| Rear window emergency exit | √ | | Hammer return filter | \checkmark | |
| Washable floor mat | √ | | High pressure tool control lines | \checkmark | |
| Beacon ready | ✓ | | | (continued on | next page |

*Only for use with 360° visibility.

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|--|--------------|--------------|
| UNDERCARRIAGE AND STRUCTURES | | |
| Reinforced long base frame for tunneling, with standard track rollers and standard carrier rollers | √ | |
| ISO 15818:2017 tie-down points on base frame | \checkmark | |
| Grease lubricated track | \checkmark | |
| Segmented track guiding guards | \checkmark | |
| HD bottom guards | \checkmark | |
| HD travel motor guards | \checkmark | |
| 4.9 mt (10,800 lb) counterweight | \checkmark | |
| 600 mm (24") triple grouser track shoes | \checkmark | |
| Reinforced 325 upper frame for tunneling | \checkmark | |
| BOOMS, STICKS AND LINKAGES | | |
| 5.2 m (7'1") Mass boom | | \checkmark |
| 2.4 m (7'10") Mass stick | | \checkmark |
| 4.25 m (13'11") Short Reach boom | | \checkmark |
| 3.2 m (10'5") Mass stick | | \checkmark |
| Bucket linkage, CB2 family with lifting hook for Mass boom | | \checkmark |
| ELECTRICAL SYSTEM | | |
| LED chassis light, left-hand/right-hand boom lights, cab lights – 1,800 lumens | \checkmark | |
| Centralized electrical disconnect switch | \checkmark | |
| Programmable time delay working lights after engine shutdown | \checkmark | |
| Premium surround lighting package | | \checkmark |

| | Standard | Optional |
|--|--------------|--------------|
| SERVICE AND MAINTENANCE | | |
| Sampling ports for Scheduled Oil Sampling $(S \cdot O \cdot S^{SM})$ | \checkmark | |
| Grouped location for engine oil and fuel filters | \checkmark | |
| Ground-level second dipstick for engine oil | \checkmark | |
| SAFETY AND SECURITY | | |
| Rear and right-hand-sideview cameras for tunneling | \checkmark | |
| 360° visibility for tunneling* | | \checkmark |
| 360° visibility for FOGS, for tunneling** | | \checkmark |
| ISO 2867:2011 right-hand handrail and hand hold | \checkmark | |
| Service platform with anti-skid plate and countersunk bolts | \checkmark | |
| Hydraulic lock out lever neutralizes all controls | \checkmark | |
| Secondary engine shutoff switch in cab | \checkmark | |
| Signaling/warning horn | \checkmark | |
| Shovel crane (Mass boom and Stick only) | \checkmark | |
| Flash beacon on counterweight | \checkmark | |
| Falling object guard system | | \checkmark |

*Must be used with 254 mm (10") monitor and cab light with cover.

**Must be used with FOGS guard, 254 mm (10") monitor and cab light with cover.

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

SAFETY AND SECURITY

• 76 mm (3") retractable seat belt

- LH/RH electrical pedal for tool control
- Dual exit rear window kit
- Rain protector plus cab light cover
- Polycarbonate roof hatch
- Front windshield laminated glass (P5A glass)
- Bluetooth® key fob

GUARDS

- Mesh guard full front
- · Mesh guard lower half front
- Cab vandalism guard

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to provide specific training for all operators on machines with ship weight less than 3 metric ton. For machines greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved registered training school.

AEX02733-04 (08-2021) Replaces AEX02733-03 Build Number: 07C (Japan)

