

# 352 Hydraulic Excavator

# **Technical Specifications**

| Engine                  |          |                     |
|-------------------------|----------|---------------------|
| Engine Model            | Cat® C13 |                     |
| Net Power – ISO 9249    | 316 kW   | 424 hp              |
| Net Power – SAE J1349   | 316 kW   | 424 hp              |
| Gross Power – ISO 14396 | 317 kW   | 425 hp              |
| Bore                    | 130 mm   | 5 in                |
| Stroke                  | 157 mm   | 6 in                |
| Displacement            | 12.5 L   | 763 in <sup>3</sup> |

- Meets Japan 2014 (Tier 4 Final) emission standards.
- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 2600 m (8,530 ft).
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- Rating at 1,800 rpm.

| Engine rpm                   |                  |                |
|------------------------------|------------------|----------------|
| Operation                    | 1,650 rpm        |                |
| Travel                       | 1,800 rpm        |                |
| Swing Mechanism              |                  |                |
| Swing Speed                  | 8.44 rpm         |                |
| Maximum Swing Torque         | 187 kN·m         | 138,000 lbf-ft |
| Weights                      |                  |                |
| Operating Weight             | 50 500 kg        | 111,333 lb     |
| Variable Gauge undercarriage | Peach boom P3 35 | (11'0")        |

• Variable Gauge undercarriage, Reach boom, R3.35 (11'0") TB stick, HD 2.1 m³ (2.7 yd³) bucket, 600 mm (24") double grouser shoes, 9.0 t (19,842 lb) counterweight.

| 750 mm | 30 in             |
|--------|-------------------|
| 600 mm | 24 in             |
| 52     |                   |
| 9      |                   |
| 3      |                   |
|        | 600 mm<br>52<br>9 |

| Drive                |          |            |
|----------------------|----------|------------|
| Maximum Gradeability | 35°/70%  |            |
| Maximum Travel Speed | 4.8 km/h | 3.0 mph    |
| Maximum Drawbar Pull | 335 kN   | 75,311 lbf |

| Hydraulic System                         |                                 |                                   |
|--|---------------------------------|-----------------------------------|
| Main System – Maximum Flow – Implement   | 779 L/min<br>(389 ×<br>2 pumps) | 206 gal/min<br>(103 ×<br>2 pumps) |
| Maximum Pressure – Equipment – Implement | 35 000 kPa                      | 5,076 psi                         |
| Maximum Pressure – Travel                | 26 000 kPa                      | 3,771 psi                         |
| Maximum Pressure – Swing                 | 35 000 kPa                      | 5,076 psi                         |
| Boom Cylinder – Bore                     | 170 mm                          | 7 in                              |
| Boom Cylinder – Stroke                   | 1524 mm                         | 60 in                             |
| Stick Cylinder – Bore                    | 190 mm                          | 7 in                              |
| Stick Cylinder – Stroke                  | 1758 mm                         | 69 in                             |
| TB Bucket Cylinder – Bore                | 160 mm                          | 6 in                              |
| TB Bucket Cylinder – Stroke              | 1356 mm                         | 53 in                             |
| UB Bucket Cylinder – Bore                | 170 mm                          | 7 in                              |
| UB Bucket Cylinder – Stroke              | 1396 mm                         | 55 in                             |



| Service Refill Capacities                  |       |           |
|--|-------|-----------|
| Fuel Tank Capacity                         | 715 L | 188.9 gal |
| Cooling System                             | 52 L  | 13.7 gal  |
| Engine Oil (with filter)                   | 40 L  | 10.6 gal  |
| Swing Drive                                | 40 L  | 10.6 gal  |
| Final Drive (each)                         | 15 L  | 4.0 gal   |
| Hydraulic System (including tank)          | 550 L | 145.3 gal |
| Hydraulic Tank<br>(including suction pipe) | 217 L | 57.3 gal  |
| DEF Tank                                   | 46 L  | 12.2 gal  |

| ISO 10265:2008   |
|------------------|
| ISO 10262:1998   |
| ISO 12117-2:2008 |
|                  |
| 108 dB(A)        |
|                  |
|                  |

<sup>•</sup> 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")<br>Triple Grouser Shoes |                    | 600 mm (24")<br>Double Grouser Shoes |                    | 750 mm (30")<br>Triple Grouser Shoes |                    |
|---|--------------------------------------|--------------------|--------------------------------------|--------------------|--------------------------------------|--------------------|
|   | Weight                               | Ground<br>Pressure | Weight                               | Ground<br>Pressure | Weight                               | Ground<br>Pressure |
|   | kg (lb)                              | kPa (psi)          | kg (lb)                              | kPa (psi)          | kg (lb)                              | kPa (psi)          |
| Base Frame with Single Flange Track Rollers and Carrier Rollers                               |                                      |                    |                                      |                    |                                      |                    |
| 9.0 t (19,842 lb) Counterweight + Variable Gauge Long Undercarri                              | age Base Ma                          | chine              |                                      |                    |                                      |                    |
| Reach Boom + Reach 3.35 m (11'0") Stick + 2.1 m <sup>3</sup> (2.7 yd <sup>3</sup> ) HD Bucket | 50 400<br>(111,200)                  | 88.9<br>(12.9)     | 50 500<br>(111,300)                  | 89.1<br>(12.8)     | 51 100<br>(112,600)                  | 95.3<br>(13.8)     |
| Base Frame with Double Flange Track Rollers and Carrier Rollers                               |                                      |                    |                                      |                    |                                      |                    |
| 9.0 t (19,842 lb) Counterweight + Variable Gauge Long Undercarri                              | age Base Ma                          | chine              |                                      |                    |                                      |                    |
| Reach Boom + Reach 3.35 m (11'0") Stick + 2.1 m <sup>3</sup> (2.7 yd <sup>3</sup> ) HD Bucket | 50 400<br>(111,200)                  | 89.0<br>(12.9)     | 50 500<br>(111,300)                  | 89.2<br>(12.9)     | 51 200<br>(110,672)                  | 90.4<br>(13.1)     |

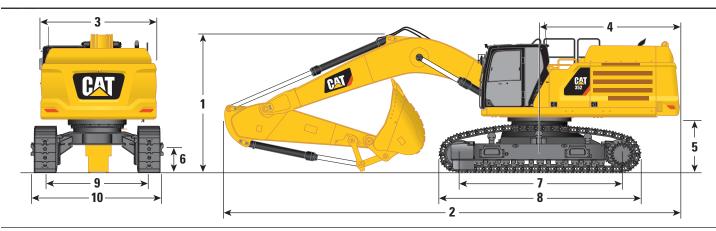
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

### **Major Component Weights**

|  | kg     | lb     |
|--|--------|--------|
| Base machine with 9.0 t (19,842 lb) counterweight, standard swing frame, base frame with single flange track rollers and carrier rollers | 35 110 | 77,410 |
| Base machine with 9.0 t (19,842 lb) counterweight, standard swing frame, base frame with double flange track rollers and carrier rollers | 35 160 | 77,510 |
| Track Shoes:   |        |        |
| 600 mm (24") Width, 15.5 mm (0.6") Thick, Triple Grouser Track Shoes   | 5290   | 11,660 |
| 600 mm (24") Width, 15.5 mm (0.6") Thick, Double Grouser Track Shoes   | 5410   | 11,920 |
| 750 mm (30") Width, 15.5 mm (0.6") Thick, Triple Grouser Track Shoes   | 6040   | 13,310 |
| Two Boom Cylinders   | 1760   | 3,880  |
| Weight of 90% Fuel Tank and 75 kg (165 lb) Operator  | 630    | 1,380  |
| Counterweight:   |        |        |
| 9.0 t Counterweight  | 9000   | 19,842 |
| Swing Frame:   |        |        |
| Standard Swing Frame   | 4070   | 8,980  |
| Fixed Gauge and Variable Gauge Long Undercarriages:  |        |        |
| Base Frame with Single Flange Track Rollers and Carrier Rollers  | 9340   | 20,580 |
| Base Frame with Double Flange Track Rollers and Carrier Rollers  | 9380   | 20,680 |
| Boom (including lines, pins, stick cylinder):  |        |        |
| Reach Boom 6.9 m (22'8")   | 4410   | 9,720  |
| Stick (including lines, pins, bucket cylinder, bucket linkage):  |        |        |
| Reach Stick R3.35TB (11'0")  | 2510   | 5,540  |
| Buckets (without linkage):   |        |        |
| 2.41 m³ (3.15 yd³) SD for TB   | 2496   | 5,502  |
| 2.69 m³ (3.52 yd³) SD for TB   | 2696   | 5,943  |
| 1.9 m³ (2.48 yd³) GD for TB  | 1857   | 4,094  |
| 2.0 m³ (2.62 yd³) GD for TB  | 1904   | 4,197  |
| 1.9 m³ (2.48 yd³) HD for TB  | 2275   | 5,015  |
| 2.1 m³ (2.7 yd³) HD for TB   | 2415   | 5,324  |

#### **Dimensions**

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

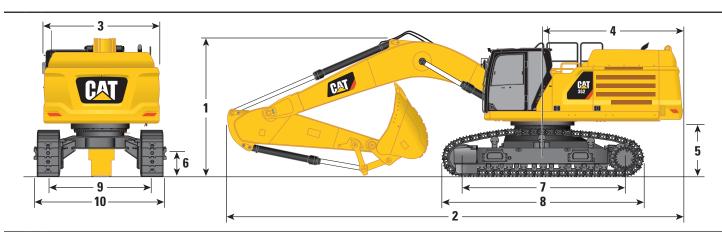


| Boom Option   | Reach E<br>6.9 m (2 |         |
|---|---------------------|---------|
| Stick Option  | Reach S<br>R3.35TB  |         |
| 1 Machine Height:                                       |                     |         |
| Cab Height  | 3380 mm             | 11.1 ft |
| FOGS Height   | 3530 mm             | 11.6 ft |
| Handrails Height  | 3530 mm             | 11.6 ft |
| With Boom/Stick/Bucket Installed                        | 3710 mm             | 12.2 ft |
| With Boom/Stick Installed                               | 3580 mm             | 11.7 ft |
| With Boom Installed                                     | 3200 mm             | 10.5 ft |
| With Boom/Stick/Bucket Installed (with Auxiliary Lines) | 3710 mm             | 12.2 ft |
| With Boom/Stick Installed (with Auxiliary Lines)        | 3620 mm             | 11.9 ft |
| With Boom Installed (with Auxiliary Lines)              | 3230 mm             | 10.6 ft |
| 2 Machine Length:                                       |                     |         |
| With Boom/Stick/Bucket Installed                        | 11 890 mm           | 39.0 ft |
| With Boom/Stick Installed                               | 11 850 mm           | 38.9 ft |
| With Boom Installed                                     | 10 610 mm           | 34.8 ft |
| With Boom/Stick/Bucket Installed (with Auxiliary Lines) | 11 890 mm           | 39.0 ft |
| With Boom/Stick Installed (with Auxiliary Lines)        | 11 850 mm           | 38.9 ft |
| With Boom Installed (with Auxiliary Lines)              | 10 610 mm           | 34.8 ft |
| <b>3</b> Upperframe Width without Walkways              | 3020 mm             | 9.9 ft  |
| 4 Tail Swing Radius                                     | 3760 mm             | 12.3 ft |
| Bucket Type   | Heavy 1             | Duty    |
| Bucket Capacity   | 2.1 m³              | 2.7 yd³ |
| Bucket Tip Radius                                       | 1891 mm             | 6.2 ft  |

(continued on next page)

### **Dimensions** (continued)

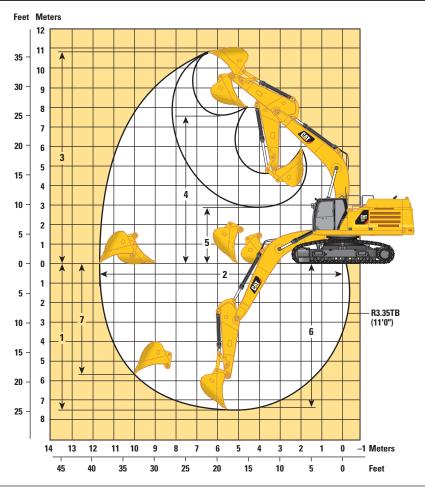
All dimensions are approximate and may vary depending on bucket selection.



| Boom Option  | Reach Boom<br>6.9 m (22'8")    |         |  |
|--|--------------------------------|---------|--|
| Stick Option   | Reach Stick<br>R3.35TB (11'0") |         |  |
| 5 Counterweight Clearance without Shoe Lug   | 1435 mm                        | 4.7 ft  |  |
| <b>6</b> Ground Clearance without Shoe Lug   | 710 mm                         | 2.3 ft  |  |
| 7 Length to Center of Rollers  | 4340 mm                        | 14.2 ft |  |
| 8 Track Length with Triple Grouser Shoes   | 5350 mm                        | 17.6 ft |  |
| 9 Track Gauge: Variable Gauge Undercarriage  |                                |         |  |
| Retracted  | 2390 mm                        | 8 ft    |  |
| Extended   | 2890 mm                        | 9.5 ft  |  |
| 10 Track Width: Variable Gauge Undercarriage Retracted                                 |                                |         |  |
| 600 mm (24") Shoes   | 2990 mm                        | 9.8 ft  |  |
| 750 mm (30") Shoes   | 3140 mm                        | 10.3 ft |  |
| Track Width: Variable Gauge Undercarriage Extended                                     |                                |         |  |
| 600 mm (24") Shoes   | 3490 mm                        | 11.5 ft |  |
| 750 mm (30") Shoes   | 3640 mm                        | 11.9 ft |  |
| Undercarriage Width (with steps/without steps): Variable Gauge Undercarriage Retracted |                                |         |  |
| 600 mm (24") Shoes   | 3180 mm                        | 10.4 ft |  |
| 750 mm (30") Shoes   | 3180 mm                        | 10.4 ft |  |
| Undercarriage Width (with steps/without steps): Variable Gauge Undercarriage Extended  |                                |         |  |
| 600 mm (24") Shoes   | 3680 mm                        | 12.1 ft |  |
| 750 mm (30") Shoes   | 3680 mm                        | 12.1 ft |  |
| Bucket Type  | Heavy Duty                     |         |  |
| Bucket Capacity  | 2.1 m³                         | 2.7 yd³ |  |
| Bucket Tip Radius  | 1891 mm                        | 6.2 ft  |  |

### **Working Ranges and Forces**

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



| Boom Option   | Reach<br>6.9 m ( |                                |  |  |
|---|------------------|--------------------------------|--|--|
| Stick Option  |                  | Reach Stick<br>R3.35TB (11'0") |  |  |
| 1 Maximum Digging Depth                             | 7510 mm          | 24.6 ft                        |  |  |
| 2 Maximum Reach at Ground Line                      | 11 710 mm        | 38.4 ft                        |  |  |
| 3 Maximum Cutting Height                            | 10 970 mm        | 36.0 ft                        |  |  |
| 4 Maximum Loading Height                            | 7580 mm          | 24.9 ft                        |  |  |
| 5 Minimum Loading Height                            | 2900 mm          | 9.5 ft                         |  |  |
| 6 Maximum Depth Cut for 2440 mm (8 ft) Level Bottom | 7360 mm          | 24.1 ft                        |  |  |
| 7 Maximum Vertical Wall Digging Depth               | 5680 mm          | 18.6 ft                        |  |  |
| Bucket Digging Force (SAE)                          | 236 kN           | 53,050 lbf                     |  |  |
| Bucket Digging Force (ISO)                          | 268 kN           | 60,250 lbf                     |  |  |
| Stick Digging Force (SAE)                           | 193 kN           | 43,390 lbf                     |  |  |
| Stick Digging Force (ISO)                           | 199 kN           | 44,740 lbf                     |  |  |
| Bucket Type   | Heavy            | Duty                           |  |  |
| Bucket Capacity                                     | 2.1 m³           | 2.7 yd³                        |  |  |
| Bucket Tip Radius                                   | 1891 mm          | 6.2 ft                         |  |  |

#### **Bucket Specifications and Compatibility**

|  |         |       |          |             |             |            |           |      | Variable Gauge Long Undercarriage<br>9.0 t (19,842 lb) Counterweight |  |
|--|---------|-------|----------|-------------|-------------|------------|-----------|------|--|--|
|  |         | Width |          | Capacity    |             | Weight     |           | Fill | Reach Boom<br>6.9 m (22'8")  |  |
|  | Linkage | mm    | in       | m³          | yd3         | kg         | lb        | %    | R3.35 (11'0")  |  |
| Pin-On (No Quick Coupler)                    |         |       |          |             |             |            |           |      |  |  |
| General Duty                                 | ТВ      | 1500  | 59       | 1.90        | 2.48        | 1857       | 4,094     | 100  | •  |  |
|  | ТВ      | 1600  | 63       | 2.00        | 2.62        | 1904       | 4,197     | 100  | •  |  |
| Heavy Duty                                   | ТВ      | 1550  | 61       | 1.90        | 2.48        | 2275       | 5,015     | 100  | •  |  |
|  | ТВ      | 1700  | 67       | 2.10        | 2.75        | 2415       | 5,324     | 100  | •  |  |
| Severe Duty                                  | ТВ      | 1700  | 67       | 2.41        | 3.15        | 2496       | 5,502     | 90   | •  |  |
|  | ТВ      | 1850  | 74       | 2.69        | 3.52        | 2696       | 5,943     | 90   | •  |  |
|  |         |       | Mavi     | mum load i  | with nin-or | n (payload | + bucket) | kg   | 7470   |  |
|  |         |       | IVIGAL   | ilulii loau | with pin-or | i (payidau | + bucket/ | lb   | 16,469   |  |
| With Cat Pin Grabber Couple                  | er      |       |          |             |             |            |           |      |  |  |
| General Duty                                 | ТВ      | 1500  | 59       | 1.90        | 2.48        | 1857       | 4,094     | 100  | •  |  |
|  | TB      | 1600  | 63       | 2.00        | 2.62        | 1904       | 4,197     | 100  | •  |  |
| Heavy Duty                                   | ТВ      | 1550  | 61       | 1.90        | 2.48        | 2275       | 5,015     | 100  | •  |  |
|  | ТВ      | 1700  | 67       | 2.10        | 2.75        | 2415       | 5,324     | 100  | •  |  |
| Severe Duty                                  | ТВ      | 1700  | 67       | 2.41        | 3.15        | 2496       | 5,502     | 90   | •  |  |
|  | ТВ      | 1850  | 74       | 2.69        | 3.52        | 2696       | 5,943     | 90   | $\Theta$   |  |
| Maximum load with coupler (payload + bucket) |         |       |          |             | kg          | 6416       |           |      |  |  |
|  |         |       | iviaXIII | uiii ioau W | nur couple  | i (hayindu | T DUCKEL) | lb   | 14,145   |  |

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.

#### **Maximum Material Density:**

- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- → 1500 kg/m³ (2,500 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.

### **Attachments Offering Guide**

| Undercarriage                      |         | Variable Gauge Long Undercarriage |
|------------------------------------|---------|-----------------------------------|
|                                    |         |                                   |
| Counterweight                      |         | 9.0 t (19,842 lb)                 |
| Boom Type                          |         | Reach HD                          |
| Stick Length                       |         | 3.35 m HD (11'0")                 |
| Hydraulic Hammers                  | H160E S | ✓                                 |
|                                    | H180E S | ✓                                 |
| Pulverizers                        | P235    | ✓                                 |
| Mobile Scrap and Demolition Shears | S3050   | ✓                                 |
| Cat Pin Grabber Coupler            |         | ✓                                 |
| BOOM-MOUNT ATTACHMENTS             |         |                                   |
| Undercarriage                      |         | Variable Gauge Long Undercarriage |
| Counterweight                      |         | 9.0 t (19,842 lb)                 |
| Boom Type                          |         | Reach HD                          |
| Mobile Scrap and Demolition Shears | S2090   | ✓                                 |
|                                    | S3070   | ✓                                 |
|                                    | S3090   | <b>√</b>                          |

## **352 Standard and Optional Equipment**

### **Standard and Optional Equipment**

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

|   | Standard     | Optional |
|---|--------------|----------|
| ENGINE  |              |          |
| Cold start block heaters  |              | ✓        |
| Three selectable modes:   | ✓            |          |
| Power, Smart, Eco   |              |          |
| Automatic engine speed control                                      | ✓            |          |
| Up to 4500 m (14,764 ft)  | $\checkmark$ |          |
| altitude capability   |              |          |
| 52° C (126° F) high-ambient cooling capacity                        | ✓            |          |
| Hydraulic reverse fan   |              | ✓        |
| –18° C (0° F) cold start capability                                 | ✓            |          |
| -32° C (-25° F) cold start capability                               |              | ✓        |
| Double element air filter with integrated precleaner                | ✓            |          |
| 115 amp alternator  | ✓            |          |
| Single plane three horizontal cooling system                        | ✓            |          |
| Dual stage 5.5 micron primary filter and 4.4 micron 2nd/3rd filters | ✓            |          |
| Secure start with PIN code  | ✓            |          |
| Remote disable  | ✓            |          |
| HYDRAULIC SYSTEM  |              |          |
| Boom and stick regeneration circuit                                 | ✓            |          |
| Electronic main control valve                                       | ✓            |          |
| Automatic hydraulic oil warm up                                     | ✓            |          |
| Automatic swing parking brake                                       | ✓            |          |
| High performance hydraulic return filter                            | ✓            |          |
| Two speed travel  | ✓            |          |
| Bio hydraulic oil capability  | ✓            |          |
| Combined two-way auxiliary circuit                                  |              | ✓        |
| Medium-pressure auxiliary circuit                                   |              | ✓        |
| Advanced Tool Control   |              | ✓        |

|  | Standard      | Optional   |
|--|---------------|------------|
| UNDERCARRIAGE AND STRUCTURES             |               |            |
| Towing eye on base frame                 | ✓             |            |
| Track guiding guard, full length         |               | ✓          |
| Track guiding guard, segmented           |               | ✓          |
| three piece                              |               |            |
| Swivel guard                             | ✓             |            |
| Grease lubricated track                  | ✓             |            |
| 9.0 t (19,842 lb) counterweight          | ✓             |            |
| 600 mm (24") double grouser track shoes  | 3             | ✓          |
| 600 mm (24") triple grouser track shoes  |               | ✓          |
| 750 mm (30") triple grouser track shoes  |               | ✓          |
| BOOM, STICK AND LINKAGE                  |               |            |
| 6.9 m (22'8") Reach boom                 | ✓             |            |
| 3.35 m (11'0") stick                     | ✓             |            |
| Bucket Linkage, TB family without        | ✓             |            |
| lifting eye, Cat GRADE                   |               |            |
| ELECTRICAL SYSTEM                        |               |            |
| Maintenance-free 1,000 CCA               | ✓             |            |
| batteries (×4)                           |               |            |
| Centralized electrical disconnect switch | ✓             |            |
| LED chassis light, LH and RH boom        | ✓             |            |
| lights, cab lights                       |               |            |
| Compatible with Electronic Technician    | $\checkmark$  |            |
|  | (continued on | next page) |

### **352 Standard and Optional Equipment**

#### Standard and Optional Equipment (continued)

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

|  | Standard | Optional |   | Standard     | Optional |
|--|----------|----------|---|--------------|----------|
| CAT TECHNOLOGY                                     |          |          | SERVICE AND MAINTENANCE                             |              |          |
| Cat Product Link <sup>TM</sup>                     | ✓        |          | Grouped location of engine oil                      | ✓            |          |
| Cat GRADE with 2D                                  | ✓        |          | and fuel filters                                    |              |          |
| Cat GRADE with Advanced 2D                         |          | ✓        | Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports | ✓            |          |
| Cat GRADE with 3D                                  |          | ✓        | SAFETY AND SECURITY                                 |              |          |
| Cat Assist:  | ✓        |          | Caterpillar One Key security system                 | ✓            |          |
| – Boom Assist                                      |          |          | Lockable external tool/storage box                  | ✓            |          |
| <ul> <li>Bucket Assist</li> </ul>                  |          |          | Lockable door, fuel, and hydraulic                  | ✓            |          |
| - Swing Assist                                     |          |          | tank locks  |              |          |
| <ul><li>Grade Assist</li><li>Lift Assist</li></ul> |          |          | Lockable fuel drain compartment                     | ✓            |          |
| Cat Payload:                                       | <b>√</b> |          | Service platform with anti-skid plate               | ✓            |          |
| - Static weigh                                     | •        |          | and recessed bolts                                  |              |          |
| - Auto calibration                                 |          |          | RH handrail and hand hold                           | ✓            |          |
| <ul> <li>Payload/cycle information</li> </ul>      |          |          | (ISO 2867:2011 compliant)                           |              |          |
| E-Fence:   | ✓        | <u> </u> | Standard visibility mirror package                  | $\checkmark$ |          |
| – E-ceiling  |          |          | Signaling/warning horn                              | ✓            |          |
| – E-floor  |          |          | Ground-level secondary engine                       | ✓            |          |
| – E-swing  |          |          | shutoff switch                                      |              |          |
| <ul><li>E-wall</li><li>E-cab avoidance</li></ul>   |          |          | Rearview camera                                     | ✓            |          |
| 2 dio avoluativo                                   |          |          | 360° visibility                                     |              | ✓        |

### **352 Attachments**

#### **Dealer Installed Kit and Attachments**

Attachments may vary. Consult your Cat dealer for details.

#### CAB

- · Radial lower wiper
- LH/RH electrical pedal for tool control

#### **SAFETY AND SECURITY**

· Bluetooth® key fob

#### **GUARDS**

- Falling object guard system (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- · Mesh guard lower half front
- Rain protector for front windshield with cab light cover

#### **ELECTRICAL**

• LED premium lights, 1,200 lumens on chassis, 850 lumens on boom and cab

### **Cab Options**

|  | Deluxe | Premium |
|--|--------|---------|
| ROPS, standard sound suppression   | •      | Х       |
| ROPS, advanced sound suppression   | Х      | •       |
| High-resolution 254 mm (10") LCD touchscreen monitor   | •      | •       |
| High-resolution 254 mm (10") LCD touchscreen monitor + additional monitor only for use with 360° visibility and Cat GRADE with Advanced 2D or Cat GRADE with 3D) | 0      | 0       |
| Automatic bi-level air conditioner   | •      | •       |
| og dial and shortcut keys for monitor control  | •      | •       |
| Keyless push-to-start engine control   | •      | •       |
| Height-adjustable console, infinite with no tool   | •      | •       |
| Heated seat with air-adjustable suspension   | •      | Х       |
| Heated and cooled seat with automatic adjustable suspension  | Х      | •       |
| 71 mm (2") seat belt   | •      | •       |
| Filt-up left-side console  | •      | •       |
| Bluetooth integrated radio with USB ports  | •      | •       |
| 2V DC outlets (×2)   | •      | •       |
| Document storage   | •      | •       |
| Cup and bottle holders   | •      | •       |
| Openable two-piece front window  | •      | 0       |
| Radial wiper with washer   | •      | Х       |
| Parallel wiper with washer   | Х      | •       |
| Openable polycarbonate skylight hatch  | •      | 0       |
| LED dome and lower interior lights   | •      | •       |
| Roller rear sunscreen  | 0      | •       |

Standard

O Optional

X Not available

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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.

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