



# 352

## Long Reach Hydraulic Excavator

# Technical Specifications

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

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## Engine

|                      |                          |                     |
|----------------------|--------------------------|---------------------|
| Engine Model         | Cat® C13B                |                     |
| Net Power            |                          |                     |
| ISO 9249             | 330 kW                   | 443 hp              |
| ISO 9249 (DIN)       | 449 hp (metric)          |                     |
| Engine Power         |                          |                     |
| ISO 14396            | 332 kW                   | 445 hp              |
| ISO 14396 (DIN)      | 451 hp (metric)          |                     |
| Bore                 | 130 mm                   | 5 in                |
| Stroke               | 157 mm                   | 6 in                |
| Displacement         | 12.5 L                   | 763 in <sup>3</sup> |
| Biodiesel Capability | Up to B20 <sup>(1)</sup> |                     |

- 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 2600 m (8,530 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,800 rpm

<sup>(1)</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to:

- ✓ 20% biodiesel FAME (fatty acid methyl ester)\*
- ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

*\*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

*\*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

## Swing Mechanism

|                      |          |                |
|----------------------|----------|----------------|
| Maximum Swing Torque | 189 kN·m | 139,000 lbf·ft |
|----------------------|----------|----------------|

## Weights

|                  |           |            |
|------------------|-----------|------------|
| Operating Weight | 58 100 kg | 128,100 lb |
|------------------|-----------|------------|

- Variable Gauge High Wide undercarriage, LRE boom, LRE 8.5B (279") stick, Heavy Duty (HD) 1.00 m<sup>3</sup> (1.31 yd<sup>3</sup>) bucket, 900 mm (35") triple grouser shoes, 12.0 mt (26,455 lb) counterweight.

## Track

|                                       |        |       |
|---------------------------------------|--------|-------|
| Track Shoes Width                     | 900 mm | 35 in |
| Track Shoes Width                     | 750 mm | 30 in |
| Track Shoes Width                     | 600 mm | 24 in |
| Number of Shoes (each side)           | 52     |       |
| Number of Track Rollers (each side)   | 9      |       |
| Number of Carrier Rollers (each side) | 3      |       |

## Drive

|                      |          |            |
|----------------------|----------|------------|
| Gradeability         | 35°/70%  |            |
| Maximum Travel Speed | 4.5 km/h | 2.8 mph    |
| Maximum Drawbar Pull | 346 kN   | 77,784 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 – Equipment – Lift Mode | 38 000 kPa                      | 5,511 psi                         |
| Maximum Pressure – Travel                | 35 000 kPa                      | 5,076 psi                         |
| Maximum Pressure – Swing                 | 26 000 kPa                      | 3,771 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                             |
| Bucket Cylinder – Bore                   | 120 mm                          | 5 in                              |
| Bucket Cylinder – Stroke                 | 1104 mm                         | 43 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                             | 10.5 L | 2.8 gal   |
| Final Drive (each)                      | 9.5 L  | 2.5 gal   |
| Hydraulic System (including tank)       | 550 L  | 145.3 gal |
| Hydraulic Tank (including suction pipe) | 217 L  | 57.3 gal  |
| Diesel Exhaust Fluid (DEF) Tank         | 80 L   | 21.1 gal  |

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## Standards

|   |                         |
|---|-------------------------|
| Brakes  | ISO 10265:2008          |
| Cab/Operator Protective Guards (OPG) (optional) | ISO 10262:1998 Level II |

## Sound Performance

|                            |           |
|----------------------------|-----------|
| ISO 6395:2008 (external)   | 108 dB(A) |
| ISO 6396:2008 (inside cab) | 72 dB(A)  |

- 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.

## Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.430 metric tonnes.

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## 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 |                 | 900 mm (35")<br>Triple Grouser Shoes |                 |  |
|---|--------------------------------------|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|--|
|   | Weight                               | Ground Pressure | Weight                               | Ground Pressure | Weight                               | Ground Pressure | Weight                               | Ground Pressure |  |
|   | kg (lb)                              | kPa (psi)       | kg (lb)                              | kPa (psi)       | kg (lb)                              | kPa (psi)       | kg (lb)                              | kPa (psi)       |  |
| <b>Base Frame with Single Flange Track Rollers and Carrier Rollers</b>                              |                                      |                 |                                      |                 |                                      |                 |                                      |                 |  |
| <b>12.0 mt (26,455 lb) Counterweight + Variable Gauge High Wide Long Undercarriage Base Machine</b> |                                      |                 |                                      |                 |                                      |                 |                                      |                 |  |
| LRE Boom + LRE 8.5 m (27'9") B1 Stick<br>+ 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD Bucket    | 56 600<br>(124,800)                  | 98.3<br>(14.3)  | 56 700<br>(125,100)                  | 98.6<br>(14.3)  | 57 400<br>(126,500)                  | 79.9<br>(11.6)  | 58 100<br>(128,100)                  | 67.5<br>(9.8)   |  |
| <b>Base Frame with Double Flange Track Rollers and Carrier Rollers</b>                              |                                      |                 |                                      |                 |                                      |                 |                                      |                 |  |
| <b>12.0 mt (26,455 lb) Counterweight + Variable Gauge High Wide Long Undercarriage Base Machine</b> |                                      |                 |                                      |                 |                                      |                 |                                      |                 |  |
| LRE Boom + LRE 8.5 m (27'9") B1 Stick<br>+ 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD Bucket    | 56 700<br>(124,900)                  | 98.3<br>(14.3)  | 56 800<br>(125,200)                  | 98.6<br>(14.3)  | 57 400<br>(126,600)                  | 79.9<br>(11.6)  | 58 200<br>(128,200)                  | 67.5<br>(9.8)   |  |

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

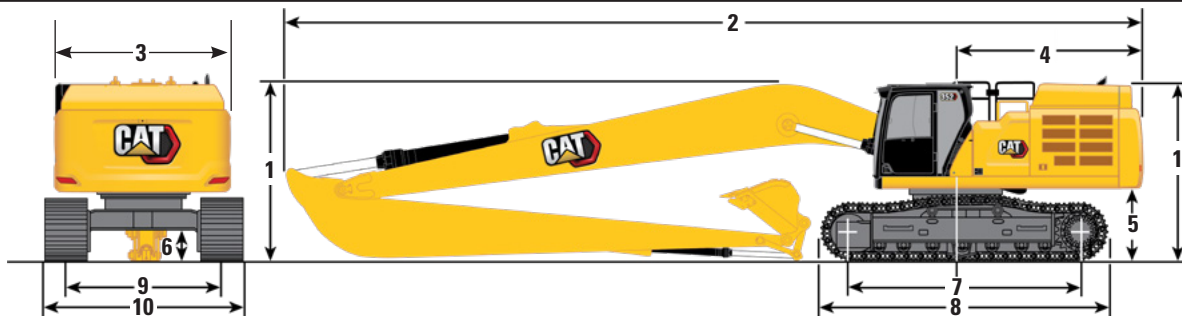
## Major Component Weights

|  | kg     | lb     |
|--|--------|--------|
| Base Machine Weight with 12.0 mt (26,455 lb) counterweight, LRE swing frame, boom cylinders, base frame with single flange track rollers and carrier rollers | 39 750 | 87,640 |
| Base Machine Weight with 12.0 mt (26,455 lb) counterweight, LRE Swing Frame, boom cylinders, base frame with double flange track rollers and carrier rollers | 39 800 | 87,740 |
| 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 |
| 900 mm (35") Width, 15.5 mm (0.6") Thick, Triple Grouser Track Shoes   | 6770   | 14,930 |
| Two Boom Cylinders   | 960    | 2,130  |
| Weight of 90% Fuel Tank and 75 kg (165 lb) Operator  | 630    | 1,380  |
| Counterweight:   |        |        |
| 12.0 mt (26,455 lb) Counterweight  | 12 000 | 26,460 |
| Swing Frame:   |        |        |
| LRE Swing Frame  | 4340   | 9,570  |
| Variable Gauge High Wide Undercarriage:  |        |        |
| Base Frame with SF Track Rollers and Carrier Rollers   | 14 030 | 30,940 |
| Base Frame with DF Track Rollers and Carrier Rollers   | 14 080 | 31,040 |
| Booms (including lines, pins, stick cylinder):   |        |        |
| LRE Boom 11.5 m (37'9")  | 6510   | 14,360 |
| Sticks (including lines, pins, bucket cylinder, bucket linkage):   |        |        |
| LRE Stick 8.5 m (27'11")   | 3600   | 7,930  |
| Buckets (without linkage):   |        |        |
| 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) HD for B1 Linkage  | 850    | 1,870  |
| Quick Couplers:  |        |        |
| CW Dedicated   | 250    | 550    |
| Pin Grabber  | 380    | 840    |

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## Dimensions

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



**Boom Option**

**LRE Boom  
11.5 m (37'7")**

**Stick Option**

**LRE Stick  
LR8.5B1 (27'9")**

### 1 Machine Height:

|   |         |       |
|---|---------|-------|
| Cab Height  | 3390 mm | 11'1" |
| OPG Height  | 3540 mm | 11'7" |
| Handrail Height   | 3540 mm | 11'7" |
| With Boom/Stick/Bucket Installed                        | 3740 mm | 12'3" |
| With Boom/Stick Installed                               | 3740 mm | 12'3" |
| With Boom Installed                                     | 3410 mm | 11'2" |
| With Boom/Stick/Bucket Installed (with Auxiliary Lines) | 3780 mm | 12'4" |
| With Boom/Stick Installed (with Auxiliary Lines)        | 3780 mm | 12'4" |
| With Boom Installed (with Auxiliary Lines)              | 3460 mm | 11'4" |

### 2 Machine Length:

|   |           |        |
|---|-----------|--------|
| With Boom/Stick/Bucket Installed                        | 16 450 mm | 53'11" |
| With Boom/Stick Installed                               | 16 450 mm | 53'11" |
| With Boom Installed                                     | 15 310 mm | 50'2"  |
| With Boom/Stick/Bucket Installed (with Auxiliary Lines) | 16 450 mm | 53'11" |
| With Boom/Stick Installed (with Auxiliary Lines)        | 16 450 mm | 53'11" |
| With Boom Installed (with Auxiliary Lines)              | 15 310 mm | 50'2"  |

|   |         |       |
|---|---------|-------|
| <b>3 Upperframe Width (without Handles)</b> | 3020 mm | 9'10" |
|---|---------|-------|

|                            |         |       |
|----------------------------|---------|-------|
| <b>4 Tail Swing Radius</b> | 3760 mm | 12'4" |
|----------------------------|---------|-------|

|   |         |      |
|---|---------|------|
| <b>5 Counterweight Clearance without Shoe Lug</b> | 1445 mm | 4'8" |
|---|---------|------|

|  |        |      |
|--|--------|------|
| <b>6 Ground Clearance without Shoe Lug</b> | 710 mm | 2'3" |
|--|--------|------|

|                                      |         |       |
|--------------------------------------|---------|-------|
| <b>7 Length to Center of Rollers</b> | 4340 mm | 14'2" |
|--------------------------------------|---------|-------|

|             |    |  |
|-------------|----|--|
| Bucket Type | HD |  |
|-------------|----|--|

|                 |                     |                      |
|-----------------|---------------------|----------------------|
| Bucket Capacity | 1.00 m <sup>3</sup> | 1.31 yd <sup>3</sup> |
|-----------------|---------------------|----------------------|

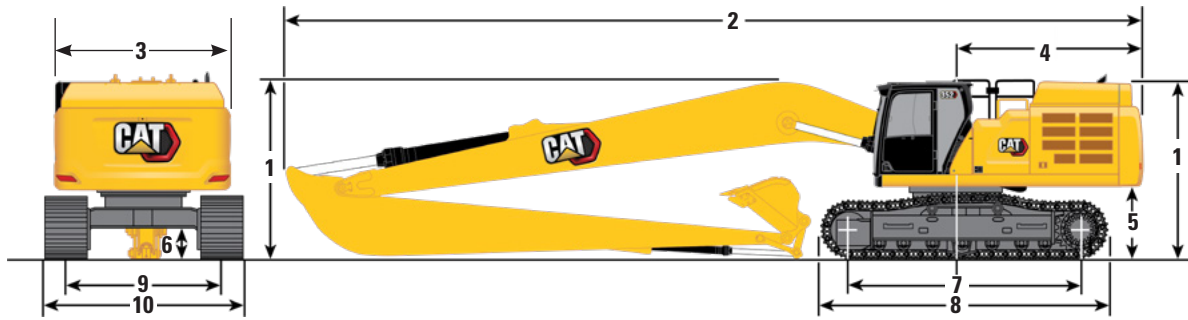
|                   |         |      |
|-------------------|---------|------|
| Bucket Tip Radius | 1577 mm | 5'2" |
|-------------------|---------|------|

(continued on next page)

# 352 Long Reach Hydraulic Excavator Specifications

## Dimensions *(continued)*

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



**Boom Option**

**LRE Boom  
11.5 m (37'9")**

**Stick Option**

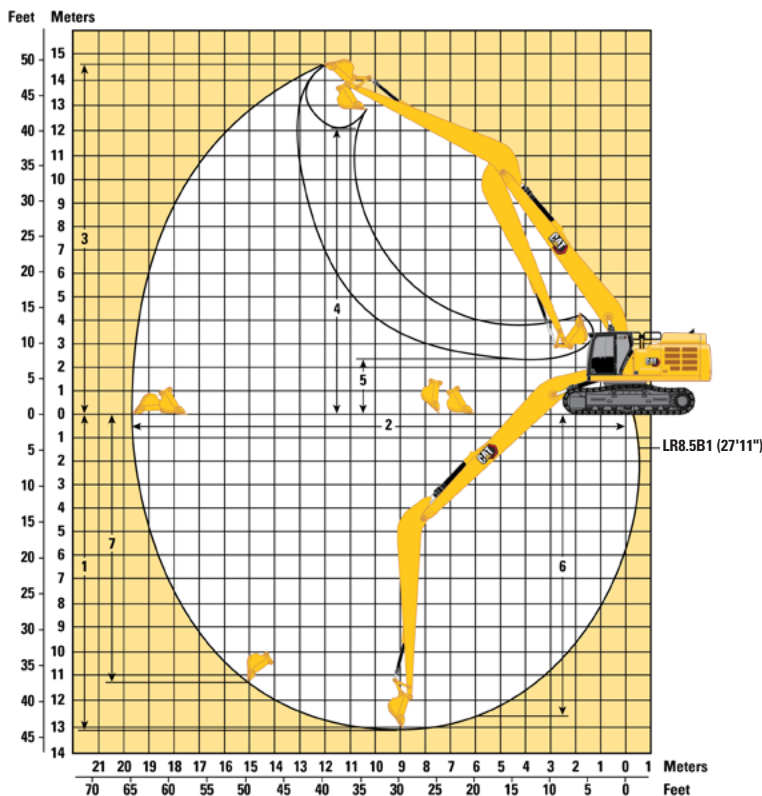
**LRE Stick  
LR8.5B1 (27'11")**

|   |                     |                      |
|---|---------------------|----------------------|
| <b>8</b> Track Length                                 | 5350 mm             | 17'6"                |
| <b>9</b> Track Gauge:                                 |                     |                      |
| Retracted   | 3220 mm             | 10'6"                |
| Extended  | 3720 mm             | 12'2"                |
| <b>10</b> Undercarriage Width (with steps): Retracted |                     |                      |
| 600 mm (24") Shoes                                    | 4010 mm             | 13'1"                |
| 750 mm (30") Shoes                                    | 4010 mm             | 13'1"                |
| 900 mm (35") Shoes                                    | 4120 mm             | 13'6"                |
| Undercarriage Width (with steps): Extended            |                     |                      |
| 600 mm (24") Shoes                                    | 4510 mm             | 14'9"                |
| 750 mm (30") Shoes                                    | 4510 mm             | 14'9"                |
| 900 mm (35") Shoes                                    | 4620 mm             | 15'1"                |
| Bucket Type   | HD                  |                      |
| Bucket Capacity                                       | 1.00 m <sup>3</sup> | 1.31 yd <sup>3</sup> |
| Bucket Tip Radius                                     | 1577 mm             | 5'2"                 |

# 352 Long Reach Hydraulic Excavator Specifications

## Working Ranges and Forces

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



### Boom Option

**LRE Boom**  
**11.5 m (37'9")**

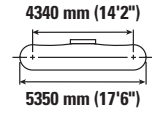
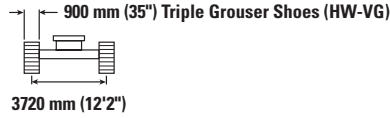
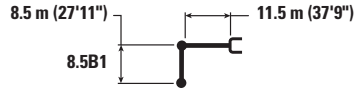
### Stick Option

**LRE Stick**  
**LR8.5B1 (27'11")**

|  |                     |                      |
|--|---------------------|----------------------|
| <b>1</b> Maximum Digging Depth                             | 13 040 mm           | 42'9"                |
| <b>2</b> Maximum Reach at Ground Line                      | 19 640 mm           | 64'5"                |
| <b>3</b> Maximum Cutting Height                            | 14 700 mm           | 48'2"                |
| <b>4</b> Maximum Loading Height                            | 12 030 mm           | 39'5"                |
| <b>5</b> Minimum Loading Height                            | 2250 mm             | 7'4"                 |
| <b>6</b> Maximum Depth Cut for 2440 mm (8 ft) Level Bottom | 12 970 mm           | 42'6"                |
| <b>7</b> Maximum Vertical Wall Digging Depth               | 11 280 mm           | 37'0"                |
| Bucket Digging Force (ISO)                                 | 141 kN              | 31,700 lbf           |
| Stick Digging Force (ISO)                                  | 104 kN              | 23,380 lbf           |
| Bucket Type  | HD                  |                      |
| Bucket Capacity  | 1.00 m <sup>3</sup> | 1.31 yd <sup>3</sup> |
| Bucket Tip Radius  | 1577 mm             | 5'2"                 |

# 352 Long Reach Hydraulic Excavator Specifications

## LRE Boom Lift Capacities – Counterweight: 12.0 mt (26,455 lb) – without Bucket, Heavy Lift: On



|                     |          | 3000 mm/10'0"           |                         | 4500 m/15'0"              |                           | 6000 m/20'0"              |                           | 7500 m/25'0"              |                           | 9000 m/30'0"              |                           | m<br>ft/in              |                         |                         |
|---------------------|----------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
|                     |          |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           |                         |                         |                         |
| 13 500 mm<br>45'0"  | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *2900                   | *2900                   | 14 410                  |
| 12 000 mm<br>40'0"  | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *2850<br><b>*6,200</b>  | *2850<br><b>*6,200</b>  | 15 460<br><b>50'03"</b> |
| 10 500 mm<br>35'0"  | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *2800<br><b>*6,200</b>  | *2800<br><b>*6,200</b>  | 16 300<br><b>53'02"</b> |
| 9000 mm<br>30'0"    | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *2850<br><b>*6,250</b>  | *2850<br><b>*6,250</b>  | 16 970<br><b>55'05"</b> |
| 7500 mm<br>25'0"    | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *2900<br><b>*6,350</b>  | *2900<br><b>*6,350</b>  | 17 490<br><b>57'02"</b> |
| 6000 mm<br>20'0"    | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *3000<br><b>*6,550</b>  | *3000<br><b>*6,550</b>  | 17 860<br><b>58'06"</b> |
| 4500 mm<br>15'0"    | kg<br>lb |                         |                         |                           |                           |                           |                           |                           |                           |                           |                           | *3100<br><b>*6,850</b>  | *3100<br><b>*6,850</b>  | 18 100<br><b>59'03"</b> |
| 3000 mm<br>10'0"    | kg<br>lb |                         |                         | *13 150<br><b>*31,600</b> | *13 150<br><b>*31,600</b> | *15 650<br><b>*33,700</b> | *15 650<br><b>*33,700</b> | *12 100<br><b>*26,150</b> | *12 100<br><b>*26,150</b> | *9950<br><b>*21,500</b>   | *9950<br><b>*21,500</b>   | *3300<br><b>*7,200</b>  | *3300<br><b>*7,200</b>  | 18 210<br><b>59'08"</b> |
| 1500 mm<br>5'0"     | kg<br>lb |                         |                         | *7650<br><b>*17,650</b>   | *7650<br><b>*17,650</b>   | *17 050<br><b>*36,800</b> | *17 050<br><b>*36,800</b> | *13 050<br><b>*28,200</b> | *13 050<br><b>*28,200</b> | *10 600<br><b>*22,900</b> | *10 600<br><b>*22,900</b> | *3500<br><b>*7,650</b>  | *3500<br><b>*7,650</b>  | 18 190<br><b>59'08"</b> |
| 0 mm<br>0'0"        | kg<br>lb | *4050<br><b>*9,050</b>  | *4050<br><b>*9,050</b>  | *7100<br><b>*16,050</b>   | *7100<br><b>*16,050</b>   | *13 200<br><b>*30,350</b> | *13 200<br><b>*30,350</b> | *13 700<br><b>*29,600</b> | 13 150<br><b>28,350</b>   | *11 100<br><b>*23,950</b> | 10 300<br><b>22,150</b>   | *3750<br><b>*8,300</b>  | 3550<br><b>7,750</b>    | 18 060<br><b>59'02"</b> |
| -1500 mm<br>-5'0"   | kg<br>lb | *5400<br><b>*12,050</b> | *5400<br><b>*12,050</b> | *7700<br><b>*17,300</b>   | *7700<br><b>*17,300</b>   | *12 250<br><b>*27,850</b> | *12 250<br><b>*27,850</b> | *14 000<br><b>*30,300</b> | 12 450<br><b>26,750</b>   | *11 350<br><b>*24,600</b> | 9700<br><b>20,900</b>     | *4100<br><b>*9,050</b>  | 3550<br><b>7,750</b>    | 17 790<br><b>58'03"</b> |
| -3000 mm<br>-10'0"  | kg<br>lb | *6750<br><b>*15,000</b> | *6750<br><b>*15,000</b> | *8750<br><b>*19,650</b>   | *8750<br><b>*19,650</b>   | *12 550<br><b>*28,450</b> | *12 550<br><b>*28,450</b> | *14 000<br><b>*30,250</b> | 12 000<br><b>25,800</b>   | 11 050<br><b>23,800</b>   | 9300<br><b>20,050</b>     | 4300<br><b>9,450</b>    | 3600<br><b>7,900</b>    | 17 390<br><b>56'11"</b> |
| -4500 mm<br>-15'0"  | kg<br>lb | *8100<br><b>*18,100</b> | *8100<br><b>*18,100</b> | *10 050<br><b>*22,500</b> | *10 050<br><b>*22,500</b> | *13 550<br><b>*30,650</b> | *13 550<br><b>*30,650</b> | *13 650<br><b>*29,550</b> | 11 800<br><b>25,350</b>   | 10 800<br><b>23,300</b>   | 9100<br><b>19,550</b>     | 4450<br><b>9,850</b>    | 3750<br><b>8,250</b>    | 16 840<br><b>55'01"</b> |
| -6000 mm<br>-20'0"  | kg<br>lb | *9550<br><b>*21,300</b> | *9550<br><b>*21,300</b> | *11 500<br><b>*25,850</b> | *11 500<br><b>*25,850</b> | *15 000<br><b>*33,900</b> | *15 000<br><b>*33,900</b> | *13 050<br><b>*28,200</b> | 11 750<br><b>25,250</b>   | 10 750<br><b>23,100</b>   | 9000<br><b>19,400</b>     | 4750<br><b>10,450</b>   | 4000<br><b>8,800</b>    | 16 130<br><b>52'08"</b> |
| -7500 mm<br>-25'0"  | kg<br>lb |                         |                         | *13 200<br><b>*29,650</b> | *13 200<br><b>*29,650</b> | *14 650<br><b>*31,600</b> | *14 650<br><b>*31,600</b> | *12 150<br><b>*26,150</b> | 11 850<br><b>25,450</b>   | *10 200<br><b>*22,000</b> | 9050<br><b>19,450</b>     | 5150<br><b>11,450</b>   | 4350<br><b>9,600</b>    | 15 250<br><b>49'08"</b> |
| -9000 mm<br>-30'0"  | kg<br>lb |                         |                         | *15 050<br><b>*33,350</b> | *15 050<br><b>*33,350</b> | *12 900<br><b>*27,650</b> | *12 900<br><b>*27,650</b> | *10 850<br><b>*23,300</b> | *10 850<br><b>*23,300</b> | *9250<br><b>*19,750</b>   | 9200<br><b>*19,750</b>    | *5250<br><b>*11,550</b> | 4900<br><b>10,950</b>   | 14 140<br><b>45'11"</b> |
| -10500 mm<br>-35'0" | kg<br>lb |                         |                         |                           |                           |                           |                           | *9150<br><b>*19,400</b>   | *9150<br><b>*19,400</b>   | *7850<br><b>*16,600</b>   | *7850<br><b>*16,600</b>   | *5050<br><b>*11,050</b> | *5050<br><b>*11,050</b> | 12 770<br><b>41'03"</b> |



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\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

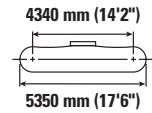
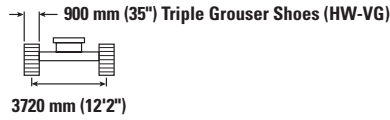
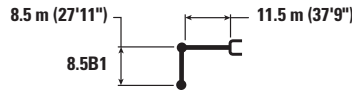
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)



# 352 Long Reach Hydraulic Excavator Specifications

## LRE Boom Lift Capacities – Counterweight: 12.0 mt (26,455 lb) – without Bucket, Heavy Lift: On (continued)



|                     |          | 10 500 m/35'0"   |                  | 12 000 m/40'0"   |                  | 13 500 m/45'0"   |                  | 15 000 m/50'0"   |                  | 16 500 m/55'0"   |                 | 18 000 m/60'0" |                  | m<br>ft/in       |                  |                  |
|---------------------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|----------------|------------------|------------------|------------------|------------------|
|                     |          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                 |                |                  |                  |                  |                  |
| 13.5 m<br>45.0 ft   | kg<br>lb |                  |                  |                  |                  |                  |                  |                  |                  |                  |                 |                |                  | *2900            | *2900            | 14 410           |
| 12.0 m<br>40.0 ft   | kg<br>lb |                  |                  |                  |                  |                  |                  | *3300<br>*6,450  | *3300<br>*6,450  |                  |                 |                |                  | *2850<br>*6,200  | *2850<br>*6,200  | 15 460<br>50'03" |
| 10.5 m<br>35.0 ft   | kg<br>lb |                  |                  |                  |                  |                  |                  | *4100<br>*8,400  | *4100<br>*8,400  |                  |                 |                |                  | *2800<br>*6,200  | *2800<br>*6,200  | 16 300<br>53'02" |
| 9.0 m<br>30.0 ft    | kg<br>lb |                  |                  |                  |                  |                  |                  | *4700<br>*9,900  | *4700<br>*9,900  | *3450<br>*6,700  | *3450<br>*6,700 |                |                  | *2850<br>*6,250  | *2850<br>*6,250  | 16 970<br>55'05" |
| 7.5 m<br>25.0 ft    | kg<br>lb |                  |                  |                  |                  | *5900<br>*12,800 | *5900<br>*12,800 | *5350<br>*11,250 | *5350<br>*11,250 | *4150<br>*8,350  | *4150<br>*8,350 |                |                  | *2900<br>*6,350  | *2900<br>*6,350  | 17 490<br>57'02" |
| 6.0 m<br>20.0 ft    | kg<br>lb |                  |                  | *6700<br>*14,550 | *6700<br>*14,550 | *6100<br>*13,250 | *6100<br>*13,250 | *5650<br>*12,250 | *5650<br>*12,250 | *4750<br>*9,750  | *4750<br>*9,750 |                |                  | *3000<br>*6,550  | *3000<br>*6,550  | 17 860<br>58'06" |
| 4.5 m<br>15.0 ft    | kg<br>lb | *7950<br>*17,250 | *7950<br>*17,250 | *7050<br>*15,300 | *7050<br>*15,300 | *6350<br>*13,800 | *6350<br>*13,800 | *5800<br>*12,600 | 5550<br>11,900   | *5350<br>*11,050 | 4650<br>9,950   | *3300<br>*3300 | *3100<br>*6,850  | *3100<br>*6,850  | 18 100<br>59'03" |                  |
| 3.0 m<br>10.0 ft    | kg<br>lb | *8450<br>*18,300 | *8450<br>*18,300 | *7400<br>*16,050 | *7400<br>*16,050 | *6600<br>*14,300 | 6350<br>13,700   | *6000<br>*12,950 | 5300<br>11,400   | 5250<br>11,200   | 4500<br>9,550   | *3650<br>*3650 | *3300<br>*7,200  | *3300<br>*7,200  | 18 210<br>59'08" |                  |
| 1.5 m<br>5.0 ft     | kg<br>lb | *8950<br>*19,300 | 8850<br>19,100   | *7750<br>*16,750 | 7250<br>15,600   | *6850<br>*14,800 | 6050<br>12,950   | 5950<br>12,700   | 5100<br>10,900   | 5050<br>10,800   | 4300<br>9,200   | *3900<br>3650  | *3500<br>*7,650  | *3500<br>*7,650  | 18 190<br>59'08" |                  |
| 0 m<br>0 ft         | kg<br>lb | *9300<br>*20,100 | 8300<br>17,900   | *8000<br>17,200  | 6850<br>14,750   | 6700<br>14,450   | 5750<br>12,350   | 5700<br>12,250   | 4850<br>10,400   | 4900<br>10,450   | 4150<br>8,850   | *3900<br>3550  | *3750<br>*8,300  | *3750<br>*8,300  | 18 060<br>59'02" |                  |
| -1.5 m<br>-5.0 ft   | kg<br>lb | 9250<br>19,900   | 7850<br>16,950   | 7650<br>16,500   | 6550<br>14,000   | 6450<br>13,900   | 5500<br>11,800   | 5500<br>11,850   | 4650<br>10,000   | 4750<br>10,200   | 4000<br>8,550   |                | *4100<br>*9,050  | 3550<br>7,750    | 17 790<br>58'03" |                  |
| -3.0 m<br>-10.0 ft  | kg<br>lb | 8950<br>19,200   | 7550<br>16,250   | 7400<br>15,950   | 6250<br>13,500   | 6250<br>13,450   | 5300<br>11,350   | 5350<br>11,550   | 4550<br>9,700    | 4650<br>10,000   | 3900<br>8,350   |                | 4300<br>9,450    | 3600<br>7,900    | 17 390<br>56'11" |                  |
| -4.5 m<br>-15.0 ft  | kg<br>lb | 8700<br>18,750   | 7350<br>15,800   | 7250<br>15,550   | 6100<br>13,100   | 6150<br>13,200   | 5150<br>11,100   | 5250<br>11,350   | 4450<br>9,500    | 4600<br>9,900    | 3850<br>8,250   |                | 4450<br>9,850    | 3750<br>8,250    | 16 840<br>55'01" |                  |
| -6.0 m<br>-20.0 ft  | kg<br>lb | 8600<br>18,550   | 7250<br>15,600   | 7150<br>15,400   | 6000<br>12,950   | 6050<br>13,050   | 5100<br>10,950   | 5250<br>11,250   | 4400<br>9,450    |                  |                 |                | 4750<br>10,450   | 4000<br>8,800    | 16 130<br>52'08" |                  |
| -7.5 m<br>-25.0 ft  | kg<br>lb | 8600<br>18,550   | 7250<br>15,600   | 7150<br>15,400   | 6000<br>12,950   | 6100<br>13,100   | 5100<br>11,000   | 5250<br>11,350   | 4450<br>9,500    |                  |                 |                | 5150<br>11,450   | 4350<br>9,600    | 15 250<br>49'08" |                  |
| -9.0 m<br>-30.0 ft  | kg<br>lb | *7900<br>*16,850 | 7350<br>15,850   | *6750<br>*14,350 | 6100<br>13,150   | *5700<br>*12,000 | 5200<br>11,250   |                  |                  |                  |                 |                | *5250<br>*11,550 | 4900<br>10,950   | 14 140<br>45'11" |                  |
| -10.5 m<br>-35.0 ft | kg<br>lb | *6700<br>*14,100 | *6700<br>*14,100 | *5600<br>*11,700 | *5600<br>*11,700 |                  |                  |                  |                  |                  |                 |                | *5050<br>*11,050 | *5050<br>*11,050 | 12 770<br>41'03" |                  |



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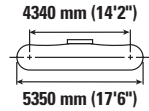
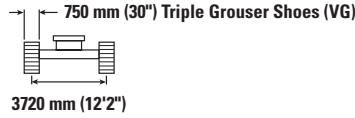
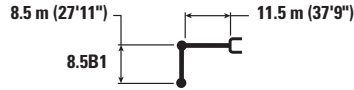
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 352 Long Reach Hydraulic Excavator Specifications

## LRE Boom Lift Capacities – Counterweight: 12.0 mt (26,455 lb) – without Bucket, Heavy Lift: On



|                     |          | 3000 mm/10'0" |         | 4500 m/15'0" |         | 6000 m/20'0" |         | 7500 m/25'0" |         | 9000 m/30'0" |         | m<br>ft/in |         |        |
|---------------------|----------|---------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|------------|---------|--------|
|                     |          |               |         |              |         |              |         |              |         |              |         |            |         |        |
| 13 500 mm<br>45'0"  | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *2900      | *2900   | 14 410 |
| 12 000 mm<br>40'0"  | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *2850      | *2850   | 15 460 |
| 10 500 mm<br>35'0"  | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *2800      | *2800   | 16 300 |
| 9000 mm<br>30'0"    | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *2850      | *2850   | 16 970 |
| 7500 mm<br>25'0"    | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *6,200     | *6,200  | 55'05" |
| 6000 mm<br>20'0"    | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *2900      | *2900   | 17 490 |
| 4500 mm<br>15'0"    | kg<br>lb |               |         |              |         |              |         |              |         |              |         | *6,350     | *6,350  | 57'02" |
| 3000 mm<br>10'0"    | kg<br>lb |               |         | *13 150      | *13 150 | *15 650      | *15 650 | *12 100      | *12 100 | *9950        | *9950   | *3000      | *3000   | 17 860 |
| 1500 mm<br>5'0"     | kg<br>lb |               |         | *31,600      | *31,600 | *33,700      | *33,700 | *26,150      | *26,150 | *21,500      | *21,500 | *6,550     | *6,550  | 58'06" |
| 0 mm<br>0'0"        | kg<br>lb | *4050         | *4050   | *7650        | *7650   | *17 050      | *17 050 | *13 050      | *13 050 | *10 600      | *10 600 | *3500      | *3500   | 18 100 |
| -1500 mm<br>-5'0"   | kg<br>lb | *9,050        | *9,050  | *17,650      | *17,650 | *36,800      | *36,800 | *28,200      | *28,200 | *22,900      | *22,900 | *7,650     | *7,650  | 59'08" |
| -3000 mm<br>-10'0"  | kg<br>lb | *12,050       | *12,050 | *17,300      | *17,300 | *30,650      | *30,650 | *29,600      | *27,950 | *23,950      | 21,800  | *8,300     | 7,600   | 59'02" |
| -4500 mm<br>-15'0"  | kg<br>lb | *18,100       | *18,100 | *22,500      | *22,500 | *30,650      | *30,650 | *29,550      | 24,900  | 22,900       | 19,250  | 9,650      | 8,050   | 55'01" |
| -6000 mm<br>-20'0"  | kg<br>lb | *21,300       | *21,300 | *25,850      | *25,850 | *33,900      | *33,900 | *28,200      | 24,800  | 22,700       | 19,050  | 10,300     | 8,600   | 16 130 |
| -7500 mm<br>-25'0"  | kg<br>lb |               |         | *11 500      | *11 500 | *15 000      | *15 000 | *13 050      | 11 550  | 10 550       | 8850    | 4650       | 3900    | 52'08" |
| -9000 mm<br>-30'0"  | kg<br>lb |               |         | *29,650      | *29,650 | *31,600      | *31,600 | *26,150      | 25,000  | *22,000      | 19,100  | 11,250     | 9,450   | 15 250 |
| -10500 mm<br>-35'0" | kg<br>lb |               |         | *13 200      | *13 200 | *14 650      | *14 650 | *12 150      | 11 650  | *10 200      | 8900    | 5050       | 4250    | 49'08" |
|                     | kg<br>lb |               |         | *15 050      | *15 050 | *12 900      | *12 900 | *10 850      | *10 850 | *9250        | 9000    | *5250      | 4800    | 14 140 |
|                     | kg<br>lb |               |         | *33,350      | *33,350 | *27,650      | *27,650 | *23,300      | *23,300 | *19,750      | 19,450  | *11,550    | 10,750  | 45'11" |
|                     | kg<br>lb |               |         |              |         |              |         | *9150        | *9150   | *7850        | *7850   | *5050      | *5050   | 12 770 |
|                     | kg<br>lb |               |         |              |         |              |         | *19,400      | *19,400 | *16,600      | *16,600 | *11,050    | *11,050 | 41'03" |



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\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

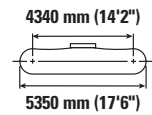
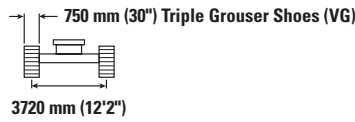
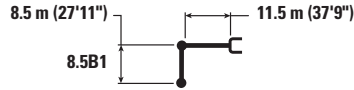
Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

# 352 Long Reach Hydraulic Excavator Specifications

## LRE Boom Lift Capacities – Counterweight: 12.0 mt (26,455 lb) – without Bucket, Heavy Lift: On (continued)



|                     |          | 10 500 m/35'0"   |                  | 12 000 m/40'0"   |                  | 13 500 m/45'0"   |                  | 15 000 m/50'0"   |                  | 16 500 m/55'0"  |                 | 18 000 m/60'0" |                  | m<br>ft/in       |                  |                  |
|---------------------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|----------------|------------------|------------------|------------------|------------------|
|                     |          |                  |                  |                  |                  |                  |                  |                  |                  |                 |                 |                |                  |                  |                  |                  |
| 13.5 m<br>45.0 ft   | kg<br>lb |                  |                  |                  |                  |                  |                  |                  |                  |                 |                 |                |                  | *2900            | *2900            | 14 410           |
| 12.0 m<br>40.0 ft   | kg<br>lb |                  |                  |                  |                  |                  |                  | *3300<br>*6,450  | *3300<br>*6,450  |                 |                 |                |                  | *2850<br>*6,200  | *2850<br>*6,200  | 15 460<br>50'03" |
| 10.5 m<br>35.0 ft   | kg<br>lb |                  |                  |                  |                  |                  |                  | *4100<br>*8,400  | *4100<br>*8,400  |                 |                 |                |                  | *2800<br>*6,200  | *2800<br>*6,200  | 16 300<br>53'02" |
| 9.0 m<br>30.0 ft    | kg<br>lb |                  |                  |                  |                  |                  |                  | *4700<br>*9,900  | *4700<br>*9,900  | *3450<br>*6,700 | *3450<br>*6,700 |                |                  | *2850<br>*6,250  | *2850<br>*6,250  | 16 970<br>55'05" |
| 7.5 m<br>25.0 ft    | kg<br>lb |                  |                  |                  |                  | *5900<br>*12,800 | *5900<br>*12,800 | *5350<br>*11,250 | *5350<br>*11,250 | *4150<br>*8,350 | *4150<br>*8,350 |                |                  | *2900<br>*6,350  | *2900<br>*6,350  | 17 490<br>57'02" |
| 6.0 m<br>20.0 ft    | kg<br>lb |                  |                  | *6700<br>*14,550 | *6700<br>*14,550 | *6100<br>*13,250 | *6100<br>*13,250 | *5650<br>*12,250 | *5650<br>*12,250 | *4750<br>*9,750 | 4750<br>*9,750  |                |                  | *3000<br>*6,550  | *3000<br>*6,550  | 17 860<br>58'06" |
| 4.5 m<br>15.0 ft    | kg<br>lb | *7950<br>*17,250 | *7950<br>*17,250 | *7050<br>*15,300 | *7050<br>*15,300 | *6350<br>*13,800 | *6350<br>*13,800 | *5800<br>*12,600 | 5500<br>11,750   | 5300<br>*11,050 | 4600<br>9,750   | *3300<br>*3300 | *3100<br>*6,850  | *3100<br>*6,850  | 18 100<br>59'03" |                  |
| 3.0 m<br>10.0 ft    | kg<br>lb | *8450<br>*18,300 | *8450<br>*18,300 | *7400<br>*16,050 | *7400<br>*16,050 | *6600<br>*14,300 | 6300<br>13,450   | *6000<br>*12,950 | 5250<br>11,200   | 5150<br>11,000  | 4400<br>9,400   | *3650<br>*3650 | *3300<br>*7,200  | *3300<br>*7,200  | 18 210<br>59'08" |                  |
| 1.5 m<br>5.0 ft     | kg<br>lb | *8950<br>*19,300 | 8750<br>18,800   | 7750<br>*16,750  | 7150<br>15,400   | 6850<br>*14,800  | 5950<br>12,750   | 5850<br>12,500   | 5000<br>10,700   | 4950<br>10,650  | 4250<br>9,050   | *3900<br>3600  | *3500<br>*7,650  | *3500<br>*7,650  | 18 190<br>59'08" |                  |
| 0 m<br>0 ft         | kg<br>lb | *9300<br>*20,100 | 8200<br>17,600   | 7900<br>16,950   | 6750<br>14,500   | 6600<br>14,200   | 5650<br>12,100   | 5600<br>12,050   | 4800<br>10,250   | 4800<br>10,300  | 4050<br>8,700   | *3900<br>3500  | *3750<br>*8,300  | 3450<br>7,600    | 18 060<br>59'02" |                  |
| -1.5 m<br>-5.0 ft   | kg<br>lb | 9100<br>19,600   | 7750<br>16,650   | 7550<br>16,200   | 6400<br>13,800   | 6350<br>13,650   | 5400<br>11,600   | 5400<br>11,650   | 4600<br>9,850    | 4650<br>10,000  | 3950<br>8,400   |                | *4100<br>*9,050  | 3450<br>7,600    | 17 790<br>58'03" |                  |
| -3.0 m<br>-10.0 ft  | kg<br>lb | 8800<br>18,900   | 7400<br>15,950   | 7300<br>15,650   | 6150<br>13,250   | 6150<br>13,200   | 5200<br>11,150   | 5250<br>11,300   | 4450<br>9,500    | 4550<br>9,800   | 3850<br>8,200   |                | 4200<br>9,300    | 3550<br>7,750    | 17 390<br>56'11" |                  |
| -4.5 m<br>-15.0 ft  | kg<br>lb | 8550<br>18,450   | 7200<br>15,500   | 7100<br>15,300   | 6000<br>12,900   | 6000<br>12,950   | 5050<br>10,900   | 5200<br>11,100   | 4350<br>9,350    | 4500<br>9,700   | 3800<br>8,100   |                | 4400<br>9,650    | 3650<br>8,050    | 16 840<br>55'01" |                  |
| -6.0 m<br>-20.0 ft  | kg<br>lb | 8450<br>18,200   | 7100<br>15,300   | 7000<br>15,100   | 5900<br>12,700   | 5950<br>12,800   | 5000<br>10,750   | 5150<br>11,050   | 4300<br>9,250    |                 |                 |                | 4650<br>10,300   | 3900<br>8,600    | 16 130<br>52'08" |                  |
| -7.5 m<br>-25.0 ft  | kg<br>lb | 8450<br>18,250   | 7100<br>15,350   | 7000<br>15,100   | 5900<br>12,700   | 5950<br>12,850   | 5000<br>10,800   | 5200             | 4350             |                 |                 |                | 5050<br>11,250   | 4250<br>9,450    | 15 250<br>49'08" |                  |
| -9.0 m<br>-30.0 ft  | kg<br>lb | *7900<br>*16,850 | 7250<br>15,600   | *6750<br>*14,350 | 6000<br>12,950   | *5700<br>*12,000 | 5100<br>11,050   |                  |                  |                 |                 |                | *5250<br>*11,550 | 4800<br>10,750   | 14 140<br>45'11" |                  |
| -10.5 m<br>-35.0 ft | kg<br>lb | *6700<br>*14,100 | *6700<br>*14,100 | *5600<br>*11,700 | *5600<br>*11,700 |                  |                  |                  |                  |                 |                 |                | *5050<br>*11,050 | *5050<br>*11,050 | 12 770<br>41'03" |                  |



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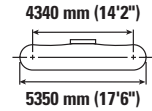
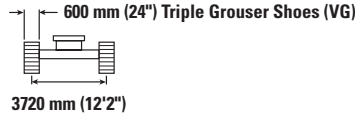
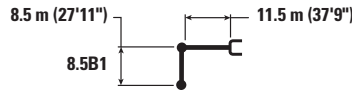
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 352 Long Reach Hydraulic Excavator Specifications

## LRE Boom Lift Capacities – Counterweight: 12.0 mt (26,455 lb) – without Bucket, Heavy Lift: On



|                     |          | 3000 mm/10'0"    |                  | 4500 mm/15'0"      |                    | 6000 mm/20'0"      |                    | 7500 mm/25'0"      |                    | 9000 mm/30'0"      |                    | m<br>ft/in       |                  |                  |
|---------------------|----------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|------------------|
|                     |          |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    |                  |                  |                  |
| 13 500 mm<br>45'0"  | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *2900            | *2900            | 14 410           |
| 12 000 mm<br>40'0"  | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *2850            | *2850            | 15 460           |
| 10 500 mm<br>35'0"  | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *2800            | *2800            | 16 300           |
| 9000 mm<br>30'0"    | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *2850            | *2850            | 16 970           |
| 7500 mm<br>25'0"    | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *2900            | *2900            | 17 490           |
| 6000 mm<br>20'0"    | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *3000            | *3000            | 17 860           |
| 4500 mm<br>15'0"    | kg<br>lb |                  |                  |                    |                    |                    |                    |                    |                    |                    |                    | *3100            | *3100            | 18 100           |
| 3000 mm<br>10'0"    | kg<br>lb |                  |                  | *13 150<br>*31,600 | *13 150<br>*31,600 | *15 650<br>*33,700 | *15 650<br>*33,700 | *12 100<br>*26,150 | *12 100<br>*26,150 | *9950<br>*21,500   | *9950<br>*21,500   | *3300<br>*7,200  | *3300<br>*7,200  | 18 210<br>59'08" |
| 1500 mm<br>5'0"     | kg<br>lb |                  |                  | *7650<br>*17,650   | *7650<br>*17,650   | *17 050<br>*36,800 | *17 050<br>*36,800 | *13 050<br>*28,200 | *13 050<br>*28,200 | *10 600<br>*22,900 | *10 600<br>*22,900 | *3500<br>*7,650  | 3450<br>7,600    | 18 190<br>59'08" |
| 0 mm<br>0'0"        | kg<br>lb | *4050<br>*9,050  | *4050<br>*9,050  | *7100<br>*16,050   | *7100<br>*16,050   | *13 200<br>*30,350 | *13 200<br>*30,350 | *13 700<br>*29,600 | 12 800<br>27,550   | *11 100<br>*23,950 | 10 000<br>21,550   | *3750<br>*8,300  | 3400<br>7,500    | 18 060<br>59'02" |
| -1500 mm<br>-5'0"   | kg<br>lb | *5400<br>*12,050 | *5400<br>*12,050 | *7700<br>*17,300   | *7700<br>*17,300   | *12 250<br>*27,850 | *12 250<br>*27,850 | *14 000<br>*30,300 | 12 050<br>25,950   | 11 100<br>23,950   | 9400<br>20,300     | 4050<br>8,950    | 3400<br>7,500    | 17 790<br>58'03" |
| -3000 mm<br>-10'0"  | kg<br>lb | *6750<br>*15,000 | *6750<br>*15,000 | *8750<br>*19,650   | *8750<br>*19,650   | *12 550<br>*28,450 | *12 550<br>*28,450 | 13 900<br>29,900   | 11 650<br>25,000   | 10 700<br>23,050   | 9050<br>19,450     | 4150<br>9,150    | 3450<br>7,650    | 17 390<br>56'11" |
| -4500 mm<br>-15'0"  | kg<br>lb | *8100<br>*18,100 | *8100<br>*18,100 | *10 050<br>*22,500 | *10 050<br>*22,500 | *13 550<br>*30,650 | *13 550<br>*30,650 | 13 650<br>29,400   | 11 400<br>24,550   | 10 500<br>22,550   | 8800<br>18,950     | 4300<br>9,500    | 3600<br>7,950    | 16 840<br>55'01" |
| -6000 mm<br>-20'0"  | kg<br>lb | *9550<br>*21,300 | *9550<br>*21,300 | *11 500<br>*25,850 | *11 500<br>*25,850 | *15 000<br>*33,900 | *15 000<br>*33,900 | *13 050<br>*28,200 | 11 350<br>24,450   | 10 400<br>22,350   | 8700<br>18,750     | 4600<br>10,100   | 3850<br>8,450    | 16 130<br>52'08" |
| -7500 mm<br>-25'0"  | kg<br>lb |                  |                  | *13 200<br>*29,650 | *13 200<br>*29,650 | *14 650<br>*31,600 | *14 650<br>*31,600 | *12 150<br>*26,150 | 11,450<br>24,650   | *10 200<br>*22,000 | 8750<br>18,850     | 5000<br>11,050   | 4200<br>9,300    | 15 250<br>49'08" |
| -9000 mm<br>-30'0"  | kg<br>lb |                  |                  | *15 050<br>*33,350 | *15 050<br>*33,350 | *12 900<br>*27,650 | *12 900<br>*27,650 | *10 850<br>*23,300 | *10 850<br>*23,300 | *9250<br>*19,750   | 8900<br>19,150     | *5250<br>*11,550 | 4750<br>10,550   | 14 140<br>45'11" |
| -10500 mm<br>-35'0" | kg<br>lb |                  |                  |                    |                    |                    |                    | *9150<br>*19,400   | *9150<br>*19,400   | *7850<br>*16,600   | *7850<br>*16,600   | *5050<br>*11,050 | *5050<br>*11,050 | 12 770<br>41'03" |



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\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

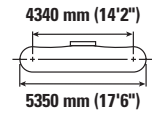
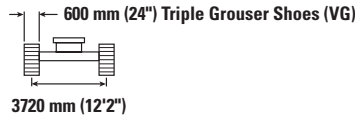
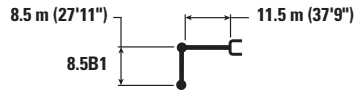
Lift capacity stays with ±5% for all available track shoes.
















Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

# 352 Long Reach Hydraulic Excavator Specifications

## LRE Boom Lift Capacities – Counterweight: 12.0 mt (26,455 lb) – without Bucket, Heavy Lift: On (continued)



|                     |          | 10 500 m/35'0"  |   | 12 000 m/40'0"  |   | 13 500 m/45'0"  |   | 15 000 m/50'0"  |   | 16 500 m/55'0"  |   | 18 000 m/60'0"  |   |  |   | m<br>ft/in       |                  |
|---------------------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|------------------|
|                     |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                  |                  |
| 13.5 m<br>45.0 ft   | kg<br>lb |   |   |   |   |   |   |   |   |   |   |   |   |   | *2900   | *2900            | 14 410           |
| 12.0 m<br>40.0 ft   | kg<br>lb |   |   |   |   |   |   | *3300<br>*6,450   | *3300<br>*6,450   |   |   |   |   |   | *2850<br>*6,200   | *2850<br>*6,200  | 15 460<br>50'03" |
| 10.5 m<br>35.0 ft   | kg<br>lb |   |   |   |   |   |   | *4100<br>*8,400   | *4100<br>*8,400   |   |   |   |   |   | *2800<br>*6,200   | *2800<br>*6,200  | 16 300<br>53'02" |
| 9.0 m<br>30.0 ft    | kg<br>lb |   |   |   |   |   |   | *4700<br>*9,900   | *4700<br>*9,900   | *3450<br>*6,700   | *3450<br>*6,700   |   |   |   | *2850<br>*6,250   | *2850<br>*6,250  | 16 970<br>55'05" |
| 7.5 m<br>25.0 ft    | kg<br>lb |   |   |   |   | *5900<br>*12,800  | *5900<br>*12,800  | *5350<br>*11,250  | *5350<br>*11,250  | *4150<br>*8,350   | *4150<br>*8,350   |   |   |   | *2900<br>*6,350   | *2900<br>*6,350  | 17 490<br>57'02" |
| 6.0 m<br>20.0 ft    | kg<br>lb |   |   | *6700<br>*14,550  | *6700<br>*14,550  | *6100<br>*13,250  | *6100<br>*13,250  | *5650<br>*12,250  | *5650<br>*12,100  | *4750<br>*9,750   | 4700<br>*9,750  |   |   |   | *3000<br>*6,550   | *3000<br>*6,550  | 17 860<br>58'06" |
| 4.5 m<br>15.0 ft    | kg<br>lb | *7950<br>*17,250  | *7950<br>*17,250  | *7050<br>*15,300  | *7050<br>*15,300  | *6350<br>*13,800  | *6350<br>*13,800  | *5800<br>*12,600  | 5400<br>*11,600   | 5250<br>*11,050   | 4500<br>*9,600  | *3300<br>*3300  | *3300<br>*3300  | *3100<br>*6,850   | *3100<br>*6,850   | 18 100<br>59'03" |                  |
| 3.0 m<br>10.0 ft    | kg<br>lb | *8450<br>*18,300  | *8450<br>*18,300  | *7400<br>*16,050  | *7400<br>*16,050  | *6600<br>*14,300  | 6200<br>*13,300   | *6000<br>*12,850  | 5150<br>*11,050   | 5050<br>*10,850   | 4350<br>*9,250  | *3650<br>*3650  | 3650  | *3300<br>*7,200   | *3300<br>*7,200   | 18 210<br>59'08" |                  |
| 1.5 m<br>5.0 ft     | kg<br>lb | *8950<br>*19,300  | 8600<br>18,550  | *7750<br>*16,750  | 7050<br>15,150  | 6850<br>14,650  | 5850<br>12,600  | 5750<br>12,350  | 4900<br>10,550  | 4900<br>10,450  | 4150<br>*8,900  | *3900<br>*3900  | 3550  | *3500<br>*7,650   | 3450<br>*7,600  | 18 190<br>59'08" |                  |
| 0 m<br>0 ft         | kg<br>lb | *9300<br>*20,100  | 8050<br>17,350  | 7800<br>16,700  | 6650<br>14,300  | 6500<br>14,000  | 5550<br>11,950  | 5550<br>11,850  | 4700<br>10,050  | 4750<br>10,150  | 4000<br>*8,550  | *3900<br>*3900  | 3400  | *3750<br>*8,300   | 3400<br>*7,500  | 18 060<br>59'02" |                  |
| -1.5 m<br>-5.0 ft   | kg<br>lb | 9000<br>19,300  | 7650<br>16,400  | 7450<br>16,000  | 6300<br>13,600  | 6250<br>13,450  | 5300<br>11,400  | 5350<br>11,450  | 4500<br>9,650   | 4600<br>9,850   | 3850<br>*8,250  |   |   | 4050<br>*8,950  | 3400<br>*7,500  | 17 790<br>58'03" |                  |
| -3.0 m<br>-10.0 ft  | kg<br>lb | 8650<br>18,600  | 7300<br>15,700  | 7200<br>15,450  | 6050<br>13,050  | 6050<br>13,000  | 5100<br>11,000  | 5200<br>11,150  | 4350<br>9,350   | 4500<br>9,650   | 3750<br>*8,050  |   |   | 4150<br>*9,150  | 3450<br>*7,650  | 17 390<br>56'11" |                  |
| -4.5 m<br>-15.0 ft  | kg<br>lb | 8450<br>18,150  | 7100<br>15,300  | 7000<br>15,050  | 5900<br>12,650  | 5950<br>12,750  | 5000<br>10,700  | 5100<br>10,950  | 4300<br>9,150   | 4450<br>9,550   | 3700<br>*7,950  |   |   | 4300<br>*9,500  | 3600<br>*7,950  | 16 840<br>55'01" |                  |
| -6.0 m<br>-20.0 ft  | kg<br>lb | 8350<br>17,950  | 7000<br>15,100  | 6900<br>14,900  | 5800<br>12,500  | 5850<br>12,600  | 4900<br>10,600  | 5050<br>10,900  | 4250<br>9,100   |   |   |   |   | 4600<br>*10,100   | 3850<br>*8,450  | 16 130<br>52'08" |                  |
| -7.5 m<br>-25.0 ft  | kg<br>lb | 8350<br>17,950  | 7000<br>15,100  | 6900<br>14,900  | 5800<br>12,500  | 5900<br>12,650  | 4950<br>10,600  | 5100<br>10,950  | 4250  |   |   |   |   | 5000<br>*11,050   | 4200<br>*9,300  | 15 250<br>49'08" |                  |
| -9.0 m<br>-30.0 ft  | kg<br>lb | *7900<br>*16,850  | 7100<br>15,350  | *6750<br>*14,350  | 5900<br>12,750  | *5700<br>*12,000  | 5050<br>10,850  |   |   |   |   |   |   | *5250<br>*11,550  | 4750<br>10,550  | 14 140<br>45'11" |                  |
| -10.5 m<br>-35.0 ft | kg<br>lb | *6700<br>*14,100  | *6700<br>*14,100  | *5600<br>*11,700  | *5600<br>*11,700  |   |   |   |   |   |   |   |   | *5050<br>*11,050  | *5050<br>*11,050  | 12 770<br>41'03" |                  |



ISO 10567:2007



\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 352 Long Reach Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – Europe

|                                     | Linkage | Width |    | Capacity       |                 | Weight |       | Fill | Variable Gauge High Wide Undercarriage |                                   |
|-------------------------------------|---------|-------|----|----------------|-----------------|--------|-------|------|--|-----------------------------------|
|                                     |         | mm    | in | m <sup>3</sup> | yd <sup>3</sup> | kg     | lb    |      | %                                      | 12.0 mt (26,455 lb) Counterweight |
|                                     |         |       |    |                |                 |        |       |      |  | LRE Boom 11.5 m (37'9")           |
|                                     |         |       |    |                |                 |        |       |      | LRE 8.5 (27'11")                       |                                   |
| <b>Pin-On (No Quick Coupler)</b>    |         |       |    |                |                 |        |       |      |  |                                   |
| General Duty                        | B       | 600   | 24 | 0.46           | 0.61            | 555    | 1,223 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.64           | 0.84            | 626    | 1,380 | 100  | ●                                      |                                   |
|                                     | B       | 1050  | 42 | 1.00           | 1.31            | 737    | 1,624 | 100  | ●                                      |                                   |
| Heavy Duty                          | B       | 1050  | 42 | 1.00           | 1.31            | 855    | 1,885 | 100  | ●                                      |                                   |
| Ditch Cleaning                      | B       | 1800  | 71 | 0.86           | 1.12            | 590    | 1,301 | 100  | ●                                      |                                   |
|                                     | B       | 2100  | 83 | 1.06           | 1.39            | 657    | 1,447 | 100  | ●                                      |                                   |
| Ditch Cleaning Tilt                 | B       | 2000  | 79 | 1.23           | 1.61            | 1096   | 2,416 | 100  | ⊖                                      |                                   |
|                                     |         |       |    |                |                 |        |       | kg   | 3000                                   |                                   |
|                                     |         |       |    |                |                 |        |       | lb   | 6,614                                  |                                   |
| <b>With Cat Pin Grabber Coupler</b> |         |       |    |                |                 |        |       |      |  |                                   |
| General Duty                        | B       | 600   | 24 | 0.46           | 0.61            | 555    | 1,223 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.64           | 0.84            | 626    | 1,380 | 100  | ●                                      |                                   |
|                                     | B       | 1050  | 42 | 1.00           | 1.31            | 737    | 1,624 | 100  | ⊙                                      |                                   |
| Heavy Duty                          | B       | 1050  | 42 | 1.00           | 1.31            | 855    | 1,885 | 100  | ●                                      |                                   |
| Ditch Cleaning                      | B       | 1800  | 71 | 0.86           | 1.12            | 590    | 1,301 | 100  | ●                                      |                                   |
|                                     | B       | 2100  | 83 | 1.06           | 1.39            | 657    | 1,447 | 100  | ⊙                                      |                                   |
| Ditch Cleaning Tilt                 | B       | 2000  | 79 | 1.23           | 1.61            | 1096   | 2,416 | 100  | ○                                      |                                   |
|                                     |         |       |    |                |                 |        |       | kg   | 2578                                   |                                   |
|                                     |         |       |    |                |                 |        |       | lb   | 5,684                                  |                                   |
| <b>With CW-40 Quick Coupler</b>     |         |       |    |                |                 |        |       |      |  |                                   |
| General Duty                        | B CW40  | 900   | 35 | 0.81           | 1.06            | 664    | 1,463 | 100  | ●                                      |                                   |
| General Duty – Leveling Edge        | B CW40  | 650   | 26 | 0.70           | 0.92            | 567    | 1,250 | 100  | ●                                      |                                   |
|                                     | B CW40  | 800   | 31 | 0.68           | 0.89            | 614    | 1,353 | 100  | ●                                      |                                   |
|                                     | B CW40  | 1000  | 39 | 0.92           | 1.21            | 719    | 1,586 | 100  | ●                                      |                                   |
| Ditch Cleaning                      | B CW40  | 2100  | 83 | 1.29           | 1.69            | 792    | 1,746 | 100  | ⊖                                      |                                   |
|                                     | B CW40  | 1800  | 72 | 1.50           | 1.96            | 827    | 1,823 | 100  | ○                                      |                                   |
| Ditch Cleaning Tilt                 | B CW40  | 2000  | 79 | 1.23           | 1.61            | 1161   | 2,560 | 100  | ○                                      |                                   |
|                                     |         |       |    |                |                 |        |       | kg   | 2750                                   |                                   |
|                                     |         |       |    |                |                 |        |       | lb   | 6,063                                  |                                   |
| <b>With CW-40s Quick Coupler</b>    |         |       |    |                |                 |        |       |      |  |                                   |
| General Duty                        | B       | 750   | 30 | 0.64           | 0.84            | 592    | 1,450 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.81           | 1.06            | 661    | 1,444 | 100  | ●                                      |                                   |
| Ditch Cleaning                      | B       | 2000  | 78 | 1.22           | 1.60            | 715    | 1,576 | 100  | ⊖                                      |                                   |
|                                     | B       | 2200  | 87 | 1.36           | 1.78            | 769    | 1,695 | 100  | ⊖                                      |                                   |
| Ditch Cleaning Tilt                 | B       | 2000  | 79 | 1.23           | 1.61            | 1142   | 2,518 | 100  | ○                                      |                                   |
|                                     |         |       |    |                |                 |        |       | kg   | 2769                                   |                                   |
|                                     |         |       |    |                |                 |        |       | lb   | 6,105                                  |                                   |

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 long tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

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.

# 352 Long Reach Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – North America

|                                     | Linkage | Width |    | Capacity       |                 | Weight |       | Fill | Variable Gauge High Wide Undercarriage |                                   |
|-------------------------------------|---------|-------|----|----------------|-----------------|--------|-------|------|--|-----------------------------------|
|                                     |         | mm    | in | m <sup>3</sup> | yd <sup>3</sup> | kg     | lb    |      | %                                      | 12.0 mt (26,455 lb) Counterweight |
|                                     |         |       |    |                |                 |        |       |      |  | LRE Boom 11.5 m (37'9")           |
| LRE 8.5 (27'11")                    |         |       |    |                |                 |        |       |      |  |                                   |
| <b>Pin-On (No Quick Coupler)</b>    |         |       |    |                |                 |        |       |      |  |                                   |
| General Duty Capacity               | B       | 600   | 24 | 0.55           | 0.72            | 620    | 1,366 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.75           | 0.98            | 717    | 1,580 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.95           | 1.24            | 793    | 1,747 | 100  | ●                                      |                                   |
| General Duty Capacity – Wide Tip    | B       | 600   | 24 | 0.55           | 0.72            | 617    | 1,360 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.75           | 0.98            | 715    | 1,576 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.95           | 1.24            | 791    | 1,743 | 100  | ●                                      |                                   |
| Heavy Duty                          | B       | 600   | 24 | 0.46           | 0.61            | 647    | 1,426 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.64           | 0.84            | 752    | 1,658 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.81           | 1.06            | 835    | 1,841 | 100  | ●                                      |                                   |
|                                     | B       | 1050  | 42 | 1.00           | 1.31            | 892    | 1,967 | 100  | ●                                      |                                   |
|                                     | B       | 1200  | 48 | 1.19           | 1.56            | 985    | 2,171 | 100  | ⊖                                      |                                   |
| Ditch Cleaning                      | B       | 1500  | 60 | 1.01           | 1.32            | 651    | 1,436 | 100  | ●                                      |                                   |
| Ditch Cleaning Tilt                 | B       | 1800  | 72 | 0.90           | 1.83            | 1105   | 2,436 | 100  | ●                                      |                                   |
|                                     | B       | 2000  | 79 | 1.23           | 1.61            | 1161   | 2,560 | 100  | ⊖                                      |                                   |
|                                     |         |       |    |                |                 |        |       | kg   | 3000                                   |                                   |
|                                     |         |       |    |                |                 |        |       | lb   | 6,614                                  |                                   |
| <b>With Cat Pin Grabber Coupler</b> |         |       |    |                |                 |        |       |      |  |                                   |
| General Duty Capacity               | B       | 600   | 24 | 0.55           | 0.72            | 620    | 1,366 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.75           | 0.98            | 717    | 1,580 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.95           | 1.24            | 793    | 1,747 | 100  | ⊙                                      |                                   |
| General Duty Capacity – Wide Tip    | B       | 600   | 24 | 0.55           | 0.72            | 617    | 1,360 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.75           | 0.98            | 715    | 1,576 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.95           | 1.24            | 791    | 1,743 | 100  | ⊙                                      |                                   |
| Heavy Duty                          | B       | 600   | 24 | 0.46           | 0.61            | 647    | 1,426 | 100  | ●                                      |                                   |
|                                     | B       | 750   | 30 | 0.64           | 0.84            | 752    | 1,658 | 100  | ●                                      |                                   |
|                                     | B       | 900   | 36 | 0.81           | 1.06            | 835    | 1,841 | 100  | ●                                      |                                   |
|                                     | B       | 1050  | 42 | 1.00           | 1.31            | 892    | 1,967 | 100  | ●                                      |                                   |
|                                     | B       | 1200  | 48 | 1.19           | 1.56            | 985    | 2,171 | 100  | ⊖                                      |                                   |
| Ditch Cleaning                      | B       | 1500  | 60 | 1.01           | 1.32            | 651    | 1,436 | 100  | ⊙                                      |                                   |
| Ditch Cleaning Tilt                 | B       | 1800  | 72 | 0.90           | 1.83            | 1105   | 2,436 | 100  | ⊖                                      |                                   |
|                                     | B       | 2000  | 79 | 1.23           | 1.61            | 1161   | 2,560 | 100  | ⊖                                      |                                   |
|                                     |         |       |    |                |                 |        |       | kg   | 2578                                   |                                   |
|                                     |         |       |    |                |                 |        |       | lb   | 5,684                                  |                                   |

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 long tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)

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.

# 352 Long Reach Hydraulic Excavator Specifications

## Attachments Offering Guide – North America

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

Match  1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)

### PIN-ON ATTACHMENTS

| Undercarriage                   |              | H-VG                |
|---------------------------------|--------------|---------------------|
| Counterweight                   |              | 12.0 mt (26,455 lb) |
| Boom Type                       |              | LRE                 |
| Stick Length                    |              | LRE                 |
| Demolition and Sorting Grapples | G318         | ✓                   |
|                                 | G318 WH-800  | ✓                   |
|                                 | G318 WH-1100 | ✓                   |
| Mulchers                        | HM4015       | ✓                   |
|                                 | HM4815       | ✓                   |
| Orange Peel Grapples            | GSH420-500   | ●                   |
|                                 | GSH420-600   | ●                   |
|                                 | GSH420-750   | ●                   |
|                                 | GSH520-500   | ●                   |
|                                 | GSH520-600   | ●                   |
|                                 | GSH520-750   | ●                   |

### CAT PIN GRABBER COUPLER ATTACHMENTS

| Undercarriage                   |             | H-VG                |
|---------------------------------|-------------|---------------------|
| Counterweight                   |             | 12.0 mt (26,455 lb) |
| Boom Type                       |             | LRE                 |
| Stick Length                    |             | LRE                 |
| Demolition and Sorting Grapples | G318        | ✓                   |
|                                 | G318 WH-800 | ✓                   |
| Mulchers                        | HM4015      | ✓                   |
|                                 | HM4815      | ✓                   |



# 352 Long Reach Hydraulic Excavator Specifications

## Attachments Offering Guide – Europe

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

Match

1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)

1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

### PIN-ON ATTACHMENTS

| Undercarriage                   |              | H-VG                |
|---------------------------------|--------------|---------------------|
| Counterweight                   |              | 12.0 mt (26,455 lb) |
| Boom Type                       |              | LRE                 |
| Stick Length                    |              | LRE                 |
| Demolition and Sorting Grapples | G318         | ✓                   |
|                                 | G318 WH-800  | ✓                   |
|                                 | G318 WH-1100 | ✓                   |
| Orange Peel Grapples            | GSH420-500   | ●                   |
|                                 | GSH420-600   | ●                   |
|                                 | GSH420-750   | ●                   |
|                                 | GSH520-500   | ●                   |
|                                 | GSH520-600   | ●                   |
|                                 | GSH520-750   | ●                   |
|                                 | GSV420-400   | ●                   |
|                                 | GSV420-500   | ●                   |
|                                 | GSV420-600   | ●                   |
|                                 | GSV420-750   | ●                   |
|                                 | GSV520-400   | ●                   |
|                                 | GSV520-500   | ●                   |
|                                 | GSV520-600   | ●                   |
|                                 | GSV520-750   | ●                   |
| Clamshell Grapples              | CTV15-1000   | ●                   |
|                                 | CTV15-1200   | ○                   |

### CAT PIN GRABBER COUPLER ATTACHMENTS

| Undercarriage                   |             | H-VG                |
|---------------------------------|-------------|---------------------|
| Counterweight                   |             | 12.0 mt (26,455 lb) |
| Boom Type                       |             | LRE                 |
| Stick Length                    |             | LRE                 |
| Demolition and Sorting Grapples | G318        | ✓                   |
|                                 | G318 WH-800 | ✓                   |

### CW-40S DEDICATED COUPLER ATTACHMENTS

| Undercarriage                   |              | H-VG                |
|---------------------------------|--------------|---------------------|
| Counterweight                   |              | 12.0 mt (26,455 lb) |
| Boom Type                       |              | LRE                 |
| Stick Length                    |              | LRE                 |
| Demolition and Sorting Grapples | G318         | ✓                   |
|                                 | G318 WH-800  | ✓                   |
|                                 | G318 WH-1100 | ✓                   |

### CW-40 DEDICATED COUPLER ATTACHMENTS

| Undercarriage                   |                | H-VG                |
|---------------------------------|----------------|---------------------|
| Counterweight                   |                | 12.0 mt (26,455 lb) |
| Boom Type                       |                | LRE                 |
| Stick Length                    |                | LRE                 |
| Demolition and Sorting Grapples | G318           | ✓                   |
|                                 | G318 Fixed Top | ✓                   |
|                                 | G318 WH-800    | ✓                   |
|                                 | G318 WH-1100   | ✓                   |

# 352 Long Reach Excavator Standard and Optional Equipment

## Standard and Optional Equipment

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

|  | Standard       | Optional       |  | Standard       | Optional |
|--|----------------|----------------|--|----------------|----------|
| <b>BOOMS, STICKS AND LINKAGES</b>  |                |                | <b>ELECTRICAL SYSTEM</b>                                   |                |          |
| 11.5 m (37'9") LRE boom  | ✓              |                | Maintenance-free 1,000 CCA batteries                       | ✓              |          |
| 8.5 m (27'11") LRE stick   | ✓              |                | Centralized electrical disconnect switch                   | ✓              |          |
| Bucket linkage, LRE B1 family with lifting eye, Cat Grade                      | ✓              |                | LED chassis light  | ✓              |          |
| <b>CAT TECHNOLOGY</b>  |                |                | 1,800 lumen LED premium surround lights                    |                | ✓        |
| Cat Equipment Management:  |                |                | <b>ENGINE</b>  |                |          |
| – VisionLink®  | ✓ <sup>2</sup> |                | Cold start block heater                                    |                | ✓        |
| – VisionLink Productivity  |                | ✓ <sup>3</sup> | Three selectable modes: Power, Smart, Eco                  | ✓              |          |
| – Remote Flash   | ✓              |                | Automatic engine speed control                             | ✓              |          |
| – Remote Troubleshoot  | ✓              |                | Up to 4500 m (14,760 ft) altitude capability               | ✓              |          |
| – Work tool recognition and tracking (PL161)                                   | ✓              |                | 52° C (126° F) high-ambient cooling capacity               | ✓              |          |
| – Operator Coaching  |                | ✓ <sup>4</sup> | Hydraulic reversing fan                                    | ✓ <sup>1</sup> | ✓        |
| Cat Grade:   |                |                | –18° C (0° F) cold start capability                        | ✓              |          |
| – Cat Grade with 2D  | ✓              |                | –50° C (–58° F) cold weather coolant                       |                | ✓        |
| – Cat Grade with 2D with Attachment Ready Option (ARO)                         |                | ✓              | Double element air filter with integrated pre-cleaner      | ✓              |          |
| – Laser catcher  |                | ✓              | <b>HYDRAULIC SYSTEM</b>                                    |                |          |
| – Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS]) |                | ✓              | SmartBoom™ – Europe only                                   |                | ✓        |
| – Compatible with 3D grade systems from Trimble, Topcon, and Leica             | ✓              |                | Boom and stick regeneration circuits                       | ✓              |          |
| – Cat Grade 3D Ready   |                | ✓              | Electronic main control valve                              | ✓              |          |
| Cat Payload:   |                |                | Automatic hydraulic oil warmup                             | ✓              |          |
| – On-the-go weighing   | ✓              |                | Reverse swing damping valve                                | ✓              |          |
| – Semiautomatic calibration  | ✓              |                | Automatic swing parking brake                              | ✓              |          |
| – Payload/cycle information  | ✓              |                | High performance hydraulic return filters                  | ✓              |          |
| – VisionLink Productivity back office reporting                                |                | ✓ <sup>3</sup> | Two speed travel modes                                     | ✓              |          |
| Cat Advanced Payload:  |                |                | Bio hydraulic oil capability                               |                | ✓        |
| – Daily totals   |                | ✓              | Hydraulic efficiency monitoring                            |                | ✓        |
| – Custom lists   |                | ✓              | Combined two-way auxiliary circuit                         |                | ✓        |
| – Smart weight target  |                | ✓              | Medium pressure auxiliary circuit                          |                | ✓        |
| – E-ticket Integration   |                | ✓ <sup>3</sup> | Cooling circuit  |                | ✓        |
|  |                |                | Quick coupler circuit for Cat Pin Grabber and CW Dedicated |                | ✓        |

(continued on next page)

<sup>1</sup>North America standard; Europe optional

<sup>2</sup>Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

<sup>3</sup>VisionLink subscription required. Consult your Cat dealer for details.

<sup>4</sup>VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

# 352 Long Reach Excavator 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       |
|---|----------------|----------------|--|----------------|----------------|
| <b>SAFETY AND SECURITY</b>                                |                |                | <b>UNDERCARRIAGE AND STRUCTURES</b>        |                |                |
| Cat Command (remote control)                              |                | ✓              | Variable Gauge High Wide undercarriage     | ✓              |                |
| 2D E-Fence:   | ✓              |                | Grease lubricated track                    | ✓              |                |
| – E-ceiling   |                |                | Towing eye on baseframe                    | ✓              |                |
| – E-floor   |                |                | Segmented three-piece track guiding guards |                | ✓              |
| – E-swing   |                |                | Full-length track guiding guards           |                | ✓              |
| – E-wall  |                |                | HD bottom guard                            | ✓              |                |
| – E-cab avoidance   |                |                | HD travel motor guard                      | ✓              |                |
| Auto hammer stop  | ✓              |                | 12.0 mt (26,455 lb) counterweight          | ✓              |                |
| Caterpillar One Key security system                       | ✓              |                | 900 mm (35") triple grouser track shoes    | ✓ <sup>8</sup> |                |
| Lockable external tool/storage box                        | ✓              |                | 750 mm (30") triple grouser track shoes    |                | ✓ <sup>7</sup> |
| Lockable door, fuel, and hydraulic tank locks             | ✓              |                | 600 mm (24") triple grouser track shoes    |                | ✓ <sup>7</sup> |
| Lockable fuel drain compartment                           | ✓              |                | 600 mm (24") double grouser track shoes    |                | ✓ <sup>7</sup> |
| Service platform with anti-skid plates and recessed bolts | ✓              |                |  |                |                |
| Lockable disconnect switch                                | ✓              |                |  |                |                |
| Right Hand (RH) handrail and handhold                     | ✓              |                |  |                |                |
| Standard visibility mirror package                        | ✓              |                |  |                |                |
| Signaling/warning horn                                    | ✓              |                |  |                |                |
| Travel alarm  | ✓ <sup>5</sup> |                |  |                |                |
| Swing alarm   |                | ✓              |  |                |                |
| Ground-level secondary engine shutoff switch              | ✓              |                |  |                |                |
| Boom lowering check valve                                 | ✓ <sup>6</sup> |                |  |                |                |
| Stick lowering check valve                                | ✓ <sup>6</sup> |                |  |                |                |
| Rear and right-hand-sideview cameras                      | ✓              |                |  |                |                |
| Inspection lighting                                       |                | ✓              |  |                |                |
| 360° visibility   |                | ✓              |  |                |                |
| <b>SERVICE AND MAINTENANCE</b>                            |                |                |  |                |                |
| Integrated vehicle health management system               | ✓              |                |  |                |                |
| Grouped location for engine oil and fuel filters          | ✓              |                |  |                |                |
| Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports       | ✓              |                |  |                |                |
| QuickEvac <sup>TM</sup> maintenance ready                 |                | ✓              |  |                |                |
| Electric refueling pump with auto shutoff                 |                | ✓ <sup>7</sup> |  |                |                |

<sup>5</sup>North America mandatory; Europe optional

<sup>6</sup>Europe standard; North America optional

<sup>7</sup>Europe only

<sup>8</sup>Europe optional

# 352 Long Reach Excavator Attachments

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

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- Lower radial wiper
- Joystick with horizontal sliders
- Left Hand (LH)/RH electrical pedal for tool control
- Dual exit rear window kit\*
- Front windshield laminated glass
- Bluetooth® key fob
- Operator Protective Guards
- Vandalism guard
- Full mesh net guard
- Lower mesh net guard
- Rain protector for front windshield and cab light cover
- Submarine kit
- Cat Detect – People Detection
- Cat Command – Remote control kit

\*Available in North America only.

# 352 Long Reach Excavator Cab Options

## Cab Options

|   | Deluxe | Premium* |
|---|--------|----------|
| Sound suppressed cab  | ●      | ●        |
| Operator Protective Guards  | ○      | ○        |
| Two-piece front windshield 70/30, tempered  | ●      | ○        |
| One-piece front windshield, tempered  | X      | ○        |
| High-resolution 254 mm (10") LCD touchscreen monitor                                | ●      | ●        |
| Additional high-resolution LCD touchscreen monitor for Cat Grade Advanced 2D and 3D | ○      | ○        |
| Automatic bi-level air conditioner  | ●      | ●        |
| Jog dial and shortcut keys for monitor control                                      | ●      | ●        |
| Keyless push-to-start engine control  | ●      | ●        |
| Height-adjustable console   | ●      | ●        |
| Heated seat with air-adjustable suspension  | ●      | X        |
| Heated and cooled seat with automatic adjustable suspension                         | X      | ●        |
| Tilt-up left-side console   | ●      | ●        |
| Cat Stick Steer   | ●      | ●        |
| 51 mm (2") orange seat belt   | ●      | ●        |
| Bluetooth® integrated radio (including USB, auxiliary port and microphone)          | ●      | ●        |
| 2 × 12V DC outlets  | ●      | ●        |
| Document storage  | ●      | ●        |
| Rear head storage net and lunchbox storage net                                      | ●      | ●        |
| Cup and bottle holders  | ●      | ●        |
| Upper radial wiper 70/30 with washer  | ●      | X        |
| Parallel wiper with 70/30 with washer   | X      | ○        |
| Parallel wiper one-piece with washer  | X      | ○        |
| Polycarbonate skylight hatch, openable windshield                                   | ●      | ○        |
| Fixed glass hatch, one-piece windshield   | X      | ○        |
| LED cab lights, 1,800 lumens  | ●      | ●        |
| LED dome light  | ●      | ●        |
| Roller front sunscreen  | ●      | ●        |
| Roller rear sunscreen   | ○      | ●        |
| Rear window emergency exit  | ●      | ●        |
| Washable floor mat  | ●      | ●        |
| Beacon ready  | ●      | ●        |
| Auxiliary relay   | ●      | ●        |

● Standard

○ Optional

X Not available

\* Available in Europe only

# 352 LRE Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

## Engine

- The Cat® C13B engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)\*
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

*\*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

*\*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

## Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg (2.2 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 1.430 metric tonnes (1.576 tons).

## Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

## Sound Performance

ISO 6395:2008 (external) – 108 dB(A)

ISO 6396:2008 (inside cab) – 72 dB(A)

- 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.

## Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode helps minimize fuel consumption for light applications
  - Extended service intervals help decrease maintenance costs
  - Hydraulic reversing fan cools engine on demand to help reduce fuel consumption
  - Increase operating efficiency with standard Cat technologies that help lower operator fatigue and operating costs.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://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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AEXQ4050-00 (11-2024)  
Build Number: 08D  
(Europe, N Am)

