

352F

Hydraulic Excavator



Engine

| | | |
|----------------------------|-----------------|--------|
| Engine Model | Cat® C13 ACERT™ | |
| Power – ISO 9249 (metric) | 304 kW | 413 PS |
| Power – ISO 14396 (metric) | 317 kW | 431 PS |

Drive

| | |
|----------------------|----------|
| Maximum Travel Speed | 4.7 km/h |
| Maximum Drawbar Pull | 335 kN |

Weights

| | |
|----------------|-----------|
| Minimum Weight | 51 100 kg |
| Maximum Weight | 53 500 kg |

The 352F is built to take on your up-close and far-out excavating tasks. The 52-ton machine features a variable gauge undercarriage that retracts for transport and expands to help increase stability and lift capability, particularly helpful when you do a lot of work over the side.

Where the real power comes in is through the integrated engine, hydraulic, and work tool systems. You can move tons of material – literally – every hour, on the hour, all day long with a great deal of speed, precision, and efficiency.

Following are the built-in benefits and available options that make 352F an outstanding performer and an excellent choice for your line of work:



Engine

- C13 ACERT engine meets EU Stage IV emission standards.
- Emissions package works behind the scenes without interrupting your job.
- Engine speed control automatically lowers rpm when the machine doesn't need it to help you save fuel.
- Three power modes – high, standard, and eco – and automatic engine idle shutdown help you more actively manage fuel consumption.

Hydraulics

- Major hydraulic components are located close together so shorter tubes and lines can be used, leading to less friction loss, reduced pressure drops, and more power to the ground.
- Main control valve opens slowly when the range of joystick lever movement is small and opens rapidly when movement is high, putting flow where you need it when you need it for smoother operation and greater efficiency.
- Electric boom and stick regeneration keeps oil flow at the head and rod ends of the cylinders instead of going back to the tank, resulting in less pressure loss for higher controllability, more productivity, and lower operating costs.
- Heavy lift mode increases machine system pressure to improve lift and reduces engine speed and pump flow in order to improve controllability.
- SmartBoom™ technology reduces stress and vibrations transmitted to the machine during rock scraping, hammer work and truck loading resulting in greater productivity and fuel efficiency.

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Key Features

Built-in benefits and available options



Cab

- Full-size roll-over protective structure (ROPS) cab is both quiet and comfortable.
- Automatic climate control system maintains consistent cab temperature.
- Joysticks, armrests, and seats adjust to your preference.
- Seats include heated and cooled options.
- LED monitor is programmable in 42 languages.
- Drink holder, storage areas, and auxiliary power outlets are in easy-to-reach areas.



Work Tools

- Multiple Cat Work Tools are available for a wide range of applications.
- Cat quick couplers allow you to switch from one tool to another in a matter of minutes.
- Cat tool control remembers pressures and flows for up to 10 tools that can be selected from the monitor so you can quickly get to work after each tool change.

Serviceability

- Routine maintenance items like grease points, fluid taps, filters, and drain tubes can be reached at ground level.
- Compartment doors are designed to prevent debris entry, and they securely latch in place to enhance ease of service.
- Side-by-side cooling system is efficient and easy to clean, and is capable of being upgraded for high-ambient conditions.

Technology Options

- Cat Grade Control delivers 2D bucket tip elevation guidance to the cab to help you create precise planes and slopes with ease, eliminating the need for staking and checking.
- Cat AccuGrade™ provides 3D guidance for making complex cuts and contours.
- Product Link™/VisionLink® connects you to your machine, providing access to its location, hours, fuel consumption, idle time, events, and diagnostic codes.

Structures

- Heavy Duty Reach booms and sticks offer you all around versatility for general excavation work like multipurpose digging and loading.
- Mass Excavation boom and sticks provide higher digging forces for heavy material like rock due to special boom and stick geometry, bucket linkage, and cylinders built for greater durability.
- Upper frame is built with special mounts to support the ROPS cab.
- Lower frame is reinforced to enhance component durability.
- Track shoes, links, rollers, idlers, and final drives are built with high-tensile-strength steel.
- Grease-lubricated track link prevents dirt and debris from entering.

352F Hydraulic Excavator Specifications

Engine

| | | |
|----------------------------------|---------------|--------|
| Engine Model | Cat C13 ACERT | |
| Gross Power – SAE J1995 (metric) | 322 kW | 438 PS |
| Power – ISO 9249 (metric) | 304 kW | 413 PS |
| Power – ISO 14396 (metric) | 317 kW | 431 PS |
| Bore | 130 mm | |
| Stroke | 157 mm | |
| Displacement | 12.5 L | |

Hydraulic System

| | |
|-------------------------------------|------------|
| Maximum Flow | |
| Main System | 770 L/min |
| Swing System | 385 L/min |
| Pilot System | 27 L/min |
| Auxiliary Circuit – High Pressure | 300 L/min |
| Auxiliary Circuit – Medium Pressure | 45 L/min |
| Maximum Pressure | |
| Equipment | 35 000 kPa |
| Equipment (heavy lift) | 38 000 kPa |
| Travel | 35 000 kPa |
| Swing | 27 500 kPa |
| Pilot System | 4120 kPa |
| Boom Cylinder – Bore | 170 mm |
| Boom Cylinder – Stroke | 1524 mm |
| Stick Cylinder – Bore | 190 mm |
| Stick Cylinder – Stroke | 1758 mm |
| TB Family Bucket Cylinder – Bore | 160 mm |
| TB Family Bucket Cylinder – Stroke | 1356 mm |
| UB Family Bucket Cylinder – Bore | 170 mm |
| UB Family Bucket Cylinder – Stroke | 1396 mm |

Drive

| | |
|----------------------|----------|
| Maximum Travel Speed | 4.7 km/h |
| Maximum Drawbar Pull | 335 kN |
| Maximum Gradeability | 30°/70% |

Swing Mechanism

| | |
|--------------|------------|
| Swing Speed | 8.7 rpm |
| Swing Torque | 148.5 kN·m |

Service Refill Capacities

| | |
|---------------------------------------|-------|
| Fuel Tank Capacity | 720 L |
| Cooling System | 50 L |
| Engine Oil (with filter) | 38 L |
| Swing Drive (each) | 10 L |
| Final Drive (each) | 15 L |
| Hydraulic System Oil (including tank) | 570 L |
| Hydraulic Tank Oil | 407 L |
| DEF Tank | 41 L |

Track

| | |
|---------------------------------------|-------------------------|
| Track Options | 600mm 700mm 900mm |
| Number of Shoes (each side) | 52 |
| Number of Track Rollers (each side) | 9 |
| Number of Carrier Rollers (each side) | 3 |

Sound Performance

| | |
|--|-----------|
| Operator Sound Pressure Level – ISO 6396:2008* | 69 dB(A) |
| Exterior Sound Power Level – ISO 6395:2008* | 106 dB(A) |

* As per European Union Directive 200/14/EC as amended by 2005/88/EC.

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

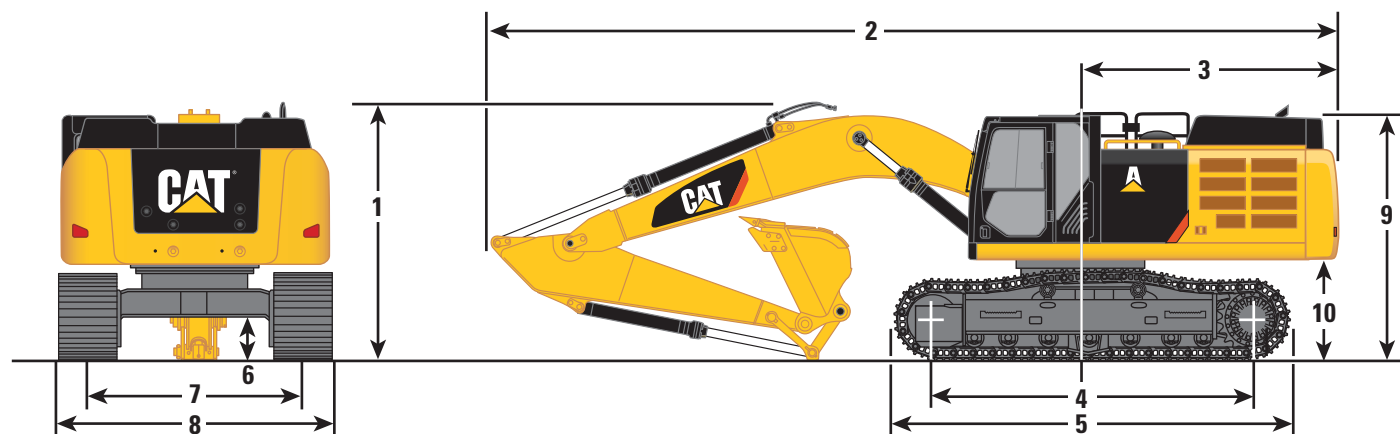
Standards

| | |
|----------|-------------|
| Brakes | ISO 10265 |
| Cab/FOGS | SAE J1356 |
| Cab/ROPS | ISO 12117-2 |
| DEF | ISO 22241 |

352F Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



| Boom Options | Reach Boom 6.9 m | | Mass Boom 6.55 m | |
|-----------------------------------|---------------------|--------------------|---------------------|--------------------|
| Stick Options | R3.35TB | R2.9TB | M3.0UB | M2.5UB |
| 1 Shipping Height (boom height) | 3660 mm | 3690 mm | 4080 mm | 4040 mm |
| Shipping Height (handrail height) | 3520 mm | 3520 mm | 3520 mm | 3520 mm |
| 2 Shipping Length | 11 870 mm | 11 880 mm | 11 570 mm | 11 650 mm |
| 3 Tail Swing Radius | 3760 mm | 3760 mm | 3760 mm | 3760 mm |
| 4 Length to Center of Rollers | 4340 mm | 4340 mm | 4340 mm | 4340 mm |
| 5 Track Length | 5380 mm | 5380 mm | 5380 mm | 5380 mm |
| 6 Ground Clearance** | 710 mm | 710 mm | 710 mm | 710 mm |
| Ground Clearance* | 740 mm | 740 mm | 740 mm | 740 mm |
| 7 Track Gauge (Expanded) | 2890 mm | 2890 mm | 2890 mm | 2890 mm |
| Track Gauge (Retracted) | 2390 mm | 2390 mm | 2390 mm | 2390 mm |
| 8 Transport Width (Expanded) | | | | |
| 600 mm Shoes | 3490 mm | 3490 mm | 3490 mm | 3490 mm |
| 750 mm Shoes | 3640 mm | 3640 mm | 3640 mm | 3640 mm |
| 900 mm Shoes | 3790 mm | 3790 mm | 3790 mm | 3790 mm |
| Transport Width (Retracted) | | | | |
| 600 mm Shoes | 3000 mm | 3000 mm | 3000 mm | 3000 mm |
| 750 mm Shoes | 3240 mm | 3240 mm | 3240 mm | 3240 mm |
| 900 mm Shoes | 3290 mm | 3290 mm | 3290 mm | 3290 mm |
| 9 Cab Height | 3370 mm | 3370 mm | 3370 mm | 3370 mm |
| Cab Height with Top Guard | 3540 mm | 3540 mm | 3540 mm | 3540 mm |
| 10 Counterweight Clearance** | 1430 mm | 1430 mm | 1430 mm | 1430 mm |
| Bucket Type | GD | GD | SD | SD |
| Bucket Capacity | 3.1 m ³ | 3.1 m ³ | 3.2 m ³ | 3.2 m ³ |
| Bucket Tip Radius | 1893 mm | 1893 mm | 2121 mm | 2121 mm |

*Including shoe lug height.

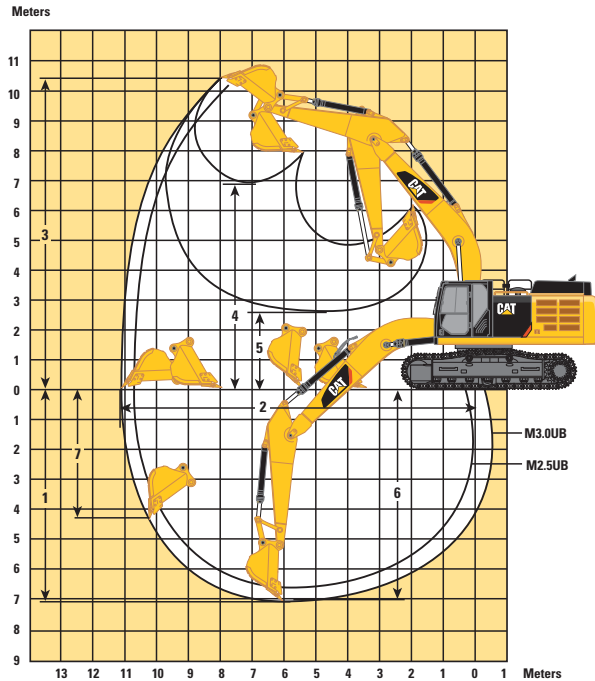
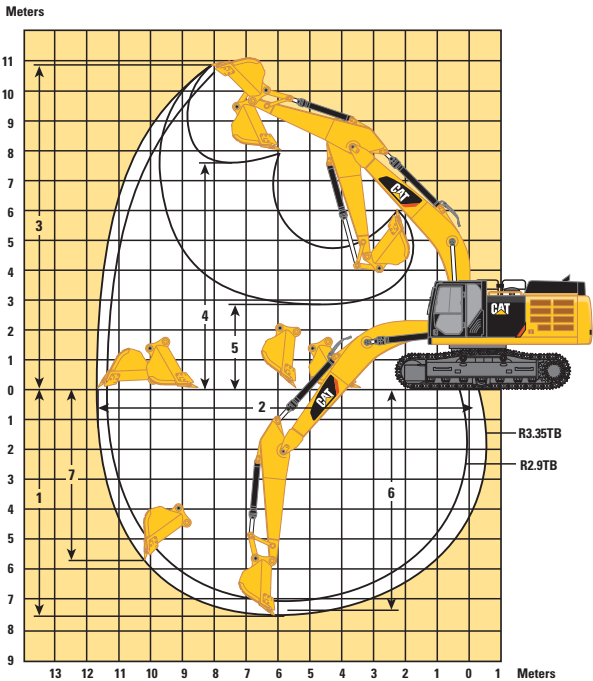
**Without shoe lug height.

Dimensions may vary depending on bucket selection.

352F Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom Options

| Stick Options | Reach Boom 6.9 m | | Mass Boom 6.55 m | |
|--|---------------------|--------------------|---------------------|--------------------|
| | R3.35TB | R2.9TB | M3.0UB | M2.5UB |
| 1 Maximum Digging Depth | 7510 mm | 7060 mm | 7150 mm | 6650 mm |
| 2 Maximum Reach at Ground Level | 11 710 mm | 11 290 mm | 11 240 mm | 10 770 mm |
| 3 Maximum Cutting Height | 10 970 mm | 10 790 mm | 10 440 mm | 10 250 mm |
| 4 Maximum Loading Height | 7580 mm | 7400 mm | 6900 mm | 6700 mm |
| 5 Minimum Loading Height | 2900 mm | 3350 mm | 2730 mm | 3230 mm |
| 6 Maximum Depth Cut for 2440 mm Level Bottom | 7360 mm | 6900 mm | 7010 mm | 6490 mm |
| 7 Maximum Vertical Wall Digging Depth | 5680 mm | 5270 mm | 4280 mm | 3850 mm |
| Bucket Type | GD | GD | SD | SD |
| Bucket Capacity | 3.1 m ³ | 3.1 m ³ | 3.2 m ³ | 3.2 m ³ |
| Bucket Tip Radius | 1893 mm | 1893 mm | 2121 mm | 2121 mm |

Dimensions may vary depending on bucket selection.

352F Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

| Boom | Stick | Bucket | 900 mm | | 750 mm | | 600 mm | | 600 mm | |
|---------|---------|--------------------|----------------------|-----|----------------------|-----|----------------------|-----|----------------------|-----|
| | | | Triple Grouser Shoes | | Triple Grouser Shoes | | Double Grouser Shoes | | Triple Grouser Shoes | |
| | | | kg | kPa | kg | kPa | kg | kPa | kg | kPa |
| R6.9 m | R3.35TB | 3.1 m ³ | 52 300 | 61 | 51 500 | 72 | 30 900 | 54 | 50 800 | 88 |
| R6.9 m | R3.35TB | 3.1 m ³ | 52 100 | 61 | 51 400 | 72 | 51 100 | 89 | 50 700 | 88 |
| M6.55 m | M3.0 UB | 3.2 m ³ | 53 500 | 62 | 52 800 | 74 | 52 100 | 91 | 52 000 | 91 |
| M6.55 m | M2.5UB | 3.2 m ³ | 53 500 | 62 | 52 600 | 73 | 51 900 | 90 | 51 800 | 90 |

Major Component Weights

| | kg |
|---|--------|
| Base Machine (with boom cylinder, without counterweight, front linkage and track) | 27 000 |
| Counterweight | 9000 |
| Boom (includes lines, pins and stick cylinder) | |
| Reach Boom (6.9 m) | 4630 |
| Mass Boom (6.55 m) | 4860 |
| Stick (includes lines, pins, bucket linkage and bucket cylinder) | |
| R3.35TB | 2540 |
| R2.9TB | 2400 |
| M3.0UB | 2930 |
| M2.5UB | 3140 |
| Track Shoe (per two tracks) | |
| 600 mm Double Grouser | 5290 |
| 600 mm Triple Grouser | 5190 |
| 750 mm Triple Grouser | 5940 |
| 900 mm Triple Grouser | 6700 |
| Buckets | |
| 3.10 m ³ | 2440 |
| 3.2 m ³ | 3050 |

All weights are rounded up to nearest 10 kg except for buckets.

Base machine includes 75 kg operator weight, 90% fuel weight and undercarriage with center guard.

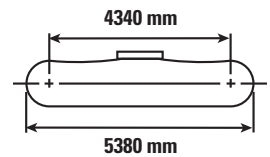
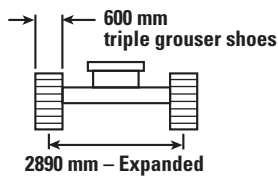
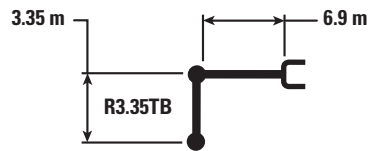
352F Hydraulic Excavator Specifications

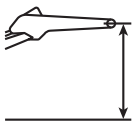













Bucket and Stick Forces

| Boom Options | Reach Boom 6.9 m | | Mass Boom 6.55 m | |
|----------------------------|---------------------|--------------------|---------------------|--------------------|
| Stick Options | R3.35TB | R2.9TB | M3.0UB | M2.5UB |
| TB Linkage | 3.1 m ³ | 3.1 m ³ | | |
| General Duty Capacity | | | | |
| Bucket Digging Force (ISO) | 268 kN | 268 kN | — | — |
| Stick Digging Force (ISO) | 199 kN | 219 kN | — | — |
| Heavy Duty | | | | |
| Bucket Digging Force (ISO) | 268 kN | 268 kN | — | — |
| Stick Digging Force (ISO) | 201 kN | 221 kN | — | — |
| Severe Duty | | | | |
| Bucket Digging Force (ISO) | 266 kN | 266 kN | — | — |
| Stick Digging Force (ISO) | 200 kN | 220 kN | — | — |
| Extreme Duty | | | | |
| Bucket Digging Force (ISO) | 266 kN | 266 kN | — | — |
| Stick Digging Force (ISO) | 200 kN | 220 kN | — | — |
| UB Linkage | | | 3.2 m ³ | 3.2 m ³ |
| Heavy Duty | | | | |
| Bucket Digging Force (ISO) | — | — | 296 kN | 296 kN |
| Stick Digging Force (ISO) | — | — | 212 kN | 241 kN |
| Severe Duty | | | | |
| Bucket Digging Force (ISO) | — | — | 290 kN | 290 kN |
| Stick Digging Force (ISO) | — | — | 211 kN | 239 kN |

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



|  | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | 9000 mm | |  | | |
|---|----|---|---|---|---|---|---|---|--|---|---|---|---|--------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | mm |
| 9000 mm | kg | | | | | | | | | | | *8950 | *8950 | 7450 |
| 7500 mm | kg | | | | | | | *11 950 | *11 950 | | | *8450 | *8450 | 8580 |
| 6000 mm | kg | | | | | | | *12 600 | 12 150 | *11 200 | 9050 | *8350 | *8350 | 9340 |
| 4500 mm | kg | | | *21 250 | *21 250 | *16 250 | *16 250 | *13 700 | 11 700 | *12 300 | 8850 | *8450 | 7750 | 9800 |
| 3000 mm | kg | | | *26 150 | 23 450 | *18 600 | 15 450 | *15 000 | 11 250 | *12 900 | 8600 | *8850 | 7350 | 10 020 |
| 1500 mm | kg | | | *18 500 | *18 500 | *20 400 | 14 750 | *16 050 | 10 850 | 12 700 | 8400 | *9500 | 7200 | 10 010 |
| 0 mm | kg | | | *21 550 | *21 550 | *21 150 | 14 350 | 16 300 | 10 550 | 12 500 | 8250 | *10 500 | 7350 | 9760 |
| -1500 mm | kg | *15 800 | *15 800 | *27 500 | 21 900 | *20 850 | 14 200 | 16 150 | 10 400 | 12 450 | 8200 | 11 950 | 7900 | 9270 |
| -3000 mm | kg | *24 850 | *24 850 | *25 050 | 22 050 | *19 400 | 14 250 | *15 250 | 10 450 | | | *12 750 | 8950 | 8470 |
| -4500 mm | kg | *26 600 | *26 600 | *20 850 | *20 850 | *16 250 | 14 550 | | | | | *12 500 | 11 200 | 7290 |



ISO 10567



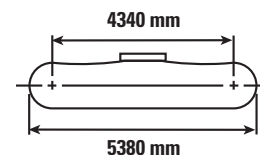
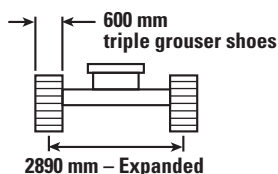
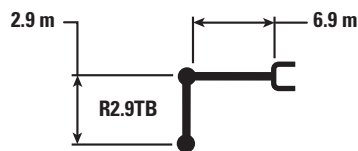
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

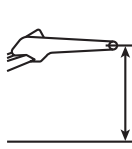













Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



|  | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | 9000 mm | |  | | |
|---|----|---|---|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | mm |
| 9000 mm | kg | | | | | | | | | | | *11 200 | *11 200 | 6760 |
| 7500 mm | kg | | | | | | | *12 800 | 12 250 | | | *10 650 | *10 650 | 8000 |
| 6000 mm | kg | | | | | *14 950 | *14 950 | *13 300 | 12 050 | | | *10 550 | 9300 | 8800 |
| 4500 mm | kg | | | *23 000 | *23 000 | *17 150 | 16 200 | *14 350 | 11 650 | *12 800 | 8850 | *10 850 | 8400 | 9300 |
| 3000 mm | kg | | | *19 150 | *19 150 | *19 350 | 15 350 | *15 500 | 11 200 | 12 900 | 8650 | *11 450 | 7900 | 9530 |
| 1500 mm | kg | | | *15 250 | *15 250 | *20 900 | 14 750 | *16 400 | 10 850 | 12 700 | 8450 | 11 700 | 7800 | 9510 |
| 0 mm | kg | | | *21 650 | *21 650 | *21 350 | 14 400 | 16 350 | 10 600 | 12 550 | 8300 | 12 100 | 8000 | 9260 |
| –1500 mm | kg | *17 350 | *17 350 | *26 750 | 22 100 | *20 700 | 14 300 | 16 250 | 10 550 | | | 13 100 | 8650 | 8730 |
| –3000 mm | kg | *28 850 | *28 850 | *23 850 | 22 350 | *18 800 | 14 450 | *14 650 | 10 650 | | | *13 600 | 10 000 | 7880 |
| –4500 mm | kg | | | *19 100 | *19 100 | *14 900 | 14 800 | | | | | *13 100 | 13 050 | 6580 |



ISO 10567



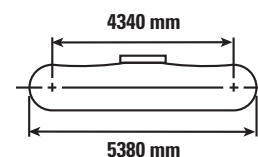
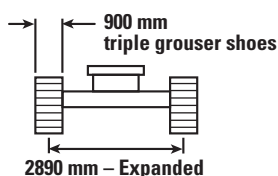
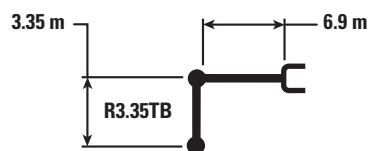
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



| | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | 9000 mm | | | | mm |
|----------|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|--------|--------|
| | | | | | | | | | | | | | | |
| 9000 mm | kg | | | | | | | | | | | *8950 | *8950 | 7450 |
| 7500 mm | kg | | | | | | | *12 000 | *12 000 | | | *8450 | *8450 | 8580 |
| 6000 mm | kg | | | | | | | *12 600 | 12 450 | *11 200 | 9300 | *8350 | *8350 | 9340 |
| 4500 mm | kg | | | *21 300 | *21 300 | *16 250 | *16 250 | *13 750 | 12 000 | *12 300 | 9100 | *8450 | 7950 | 9800 |
| 3000 mm | kg | | | *26 150 | 24 050 | *18 600 | 15 900 | *15 000 | 11 550 | *12 950 | 8850 | *8850 | 7550 | 10 020 |
| 1500 mm | kg | | | *18 500 | *18 500 | *20 400 | 15 150 | *16 050 | 11 150 | 13 050 | 8650 | *9500 | 7400 | 10 010 |
| 0 mm | kg | | | *21 500 | *21 500 | *21 200 | 14 750 | *16 650 | 10 850 | 12 850 | 8450 | *10 550 | 7600 | 9760 |
| -1500 mm | kg | *15 750 | *15 750 | *27 550 | 22 500 | *20 900 | 14 600 | *16 450 | 10 750 | 12 800 | 8400 | *12 250 | 8100 | 9270 |
| -3000 mm | kg | *24 850 | *24 850 | *25 050 | 22 700 | *19 450 | 14 650 | *15 250 | 10 750 | | | *12 800 | 9200 | 8470 |
| -4500 mm | kg | *26 650 | *26 650 | *20 850 | *20 850 | *16 300 | 14 950 | | | | | *12 500 | 11 500 | 7290 |



ISO 10567



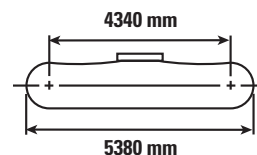
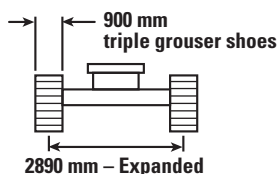
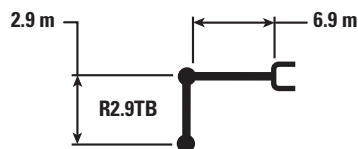
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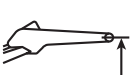













Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



|  | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | 9000 mm | |  | | |
|---|----|---|---|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | mm |
| 9000 mm | kg | | | | | | | | | | | *10 650 | *10 650 | 6880 |
| 7500 mm | kg | | | | | | | *12 800 | 12 550 | | | *10 050 | *10 050 | 8090 |
| 6000 mm | kg | | | | | *14 950 | *14 950 | *13 300 | 12 350 | | | *9850 | 9400 | 8890 |
| 4500 mm | kg | | | *23 000 | *23 000 | *17 150 | 16 600 | *14 350 | 11 950 | *12 800 | 9050 | *10 050 | 8500 | 9380 |
| 3000 mm | kg | | | *17 500 | *17 500 | *19 350 | 15 750 | *15 500 | 11 500 | 13 300 | 8850 | *10 500 | 8050 | 9610 |
| 1500 mm | kg | | | *13 950 | *13 950 | *20 900 | 15 100 | *16 400 | 11 150 | 13 050 | 8650 | *11 350 | 7900 | 9600 |
| 0 mm | kg | | | *20 300 | *20 300 | *21 350 | 14 800 | *16 800 | 10 900 | 12 950 | 8550 | 12 300 | 8150 | 9340 |
| −1500 mm | kg | *16 200 | *16 200 | *26 750 | 22 700 | *20 700 | 14 700 | *16 350 | 10 800 | | | *13 300 | 8750 | 8820 |
| −3000 mm | kg | *27 700 | *27 700 | *23 850 | 22 950 | *18 800 | 14 850 | *14 650 | 10 950 | | | *13 300 | 10 100 | 7980 |
| −4500 mm | kg | | | *19 100 | *19 100 | *14 900 | *14 900 | | | | | *12 700 | *12 700 | 6700 |



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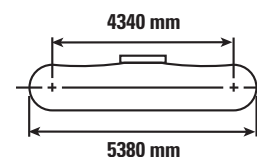
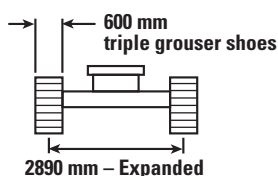
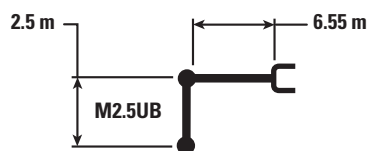
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



| | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | | | |
|----------|----|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|------|
| | | | | | | | | | | | | mm |
| 7500 mm | kg | | | | | | | | | *13 000 | 12 600 | 7220 |
| 6000 mm | kg | | | | | *15 400 | *15 400 | *13 850 | 11 700 | *12 700 | 10 300 | 8110 |
| 4500 mm | kg | | | *23 150 | *23 150 | *17 350 | 15 900 | *14 600 | 11 350 | *12 900 | 9100 | 8640 |
| 3000 mm | kg | | | | | *19 400 | 15 050 | *15 600 | 10 950 | 12 900 | 8500 | 8890 |
| 1500 mm | kg | | | | | *20 750 | 14 450 | *16 350 | 10 600 | 12 750 | 8350 | 8870 |
| 0 mm | kg | | | *25 200 | 21 700 | *20 950 | 14 150 | 16 150 | 10 350 | 13 250 | 8650 | 8600 |
| -1500 mm | kg | *19 650 | *19 650 | *25 800 | 21 800 | *20 000 | 14 100 | *15 600 | 10 350 | *14 150 | 9500 | 8030 |
| -3000 mm | kg | *27 200 | *27 200 | *22 300 | 22 150 | *17 450 | 14 300 | | | *13 950 | 11 400 | 7090 |



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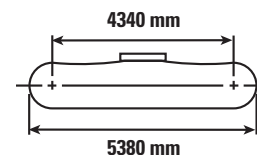
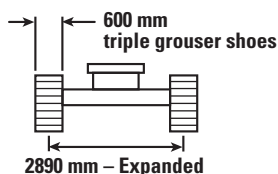
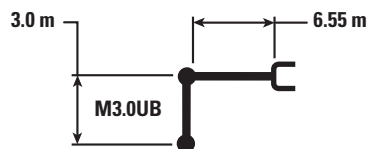
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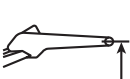













Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



|  | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | 9000 mm | |  | | |
|---|----|---|---|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | mm |
| 9000 mm | kg | | | | | | | | | | | *10 700 | *10 700 | 6500 |
| 7500 mm | kg | | | | | | | *12 300 | 12 000 | | | *9950 | *9950 | 7780 |
| 6000 mm | kg | | | | | | | *13 000 | 11 800 | | | *9700 | 9350 | 8610 |
| 4500 mm | kg | | | *21 300 | *21 300 | *16 350 | 16 050 | *13 900 | 11 400 | *11 300 | 8500 | *9850 | 8350 | 9110 |
| 3000 mm | kg | | | *25 950 | 23 100 | *18 550 | 15 150 | *15 000 | 10 950 | 12 650 | 8300 | *10 300 | 7850 | 9340 |
| 1500 mm | kg | | | *22 750 | 21 900 | *20 200 | 14 450 | *15 950 | 10 550 | 12 400 | 8100 | *11 150 | 7700 | 9330 |
| 0 mm | kg | | | *26 700 | 21 500 | *20 800 | 14 000 | 16 000 | 10 250 | 12 250 | 7950 | 12 150 | 7900 | 9070 |
| −1500 mm | kg | *18 950 | *18 950 | *26 700 | 21 500 | *20 250 | 13 900 | *15 850 | 10 150 | | | 13 250 | 8550 | 8530 |
| −3000 mm | kg | *30 800 | *30 800 | *23 750 | 21 750 | *18 300 | 14 000 | *13 850 | 10 300 | | | *13 350 | 10 050 | 7660 |
| −4500 mm | kg | | | *18 450 | *18 450 | *13 800 | *13 800 | | | | | *12 650 | *12 650 | 6310 |



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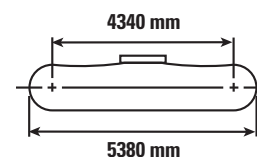
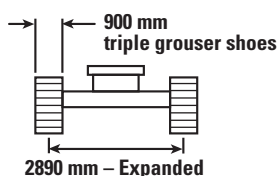
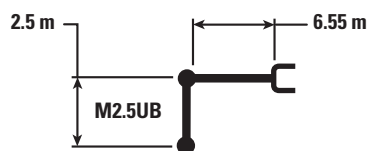
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



| | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | | | |
|----------|----|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|------|
| | | | | | | | | | | | | mm |
| 7500 mm | kg | | | | | | | | | *13 000 | 12 900 | 7220 |
| 6000 mm | kg | | | | | *15 400 | *15 400 | *13 850 | 12 000 | *12 700 | 10 550 | 8110 |
| 4500 mm | kg | | | *23 150 | *23 150 | *17 350 | 16 300 | *14 600 | 11 650 | *12 900 | 9350 | 8640 |
| 3000 mm | kg | | | | | *19 400 | 15 450 | *15 600 | 11 250 | 13 250 | 8750 | 8890 |
| 1500 mm | kg | | | | | *20 750 | 14 850 | *16 350 | 10 900 | 13 100 | 8600 | 8870 |
| 0 mm | kg | | | *25 200 | 22 300 | *20 950 | 14 500 | *16 450 | 10 650 | 13 650 | 8900 | 8600 |
| -1500 mm | kg | *19 650 | *19 650 | *25 800 | 22 400 | *20 000 | 14 450 | *15 600 | 10 650 | *14 150 | 9750 | 8030 |
| -3000 mm | kg | *27 200 | *27 200 | *22 300 | *22 300 | *17 450 | 14 650 | | | *13 950 | 11 700 | 7090 |



ISO 10567



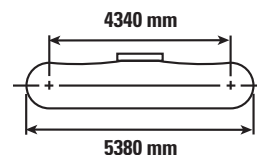
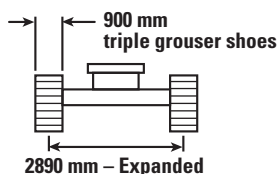
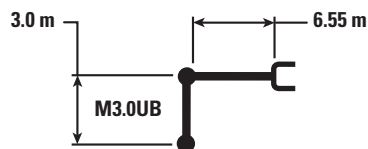
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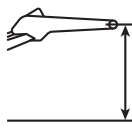













Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



|  | | 3000 mm | | 4500 mm | | 6000 mm | | 7500 mm | | 9000 mm | |  | | |
|---|----|---|---|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | mm |
| 9000 mm | kg | | | | | | | | | | | *10 700 | *10 700 | 6500 |
| 7500 mm | kg | | | | | | | *12 300 | 12 250 | | | *9950 | *9950 | 7780 |
| 6000 mm | kg | | | | | | | *13 000 | 12 100 | | | *9700 | 9600 | 8610 |
| 4500 mm | kg | | | *21 300 | *21 300 | *16 350 | *16 350 | *13 900 | 11 700 | *11 300 | 8750 | *9850 | 8600 | 9110 |
| 3000 mm | kg | | | *25 950 | 23 700 | *18 550 | 15 550 | *15 000 | 11 250 | 13 000 | 8550 | *10 300 | 8050 | 9340 |
| 1500 mm | kg | | | *22 750 | 22 500 | *20 200 | 14 850 | *15 950 | 10 850 | 12 750 | 8350 | *11 150 | 7900 | 9330 |
| 0 mm | kg | | | *26 700 | 22 100 | *20 800 | 14 400 | *16 300 | 10 550 | 12 600 | 8200 | 12 500 | 8150 | 9070 |
| −1500 mm | kg | *18 950 | *18 950 | *26 700 | 22 100 | *20 250 | 14 300 | *15 850 | 10 450 | | | *13 350 | 8800 | 8530 |
| −3000 mm | kg | *30 800 | *30 800 | *23 750 | 22 350 | *18 300 | 14 400 | *13 850 | 10 600 | | | *13 350 | 10 350 | 7660 |
| −4500 mm | kg | | | *18 450 | *18 450 | *13 800 | *13 800 | | | | | *12 650 | *12 650 | 6310 |



ISO 10567



*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 $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

| | Linkage | Width | Capacity | Weight | Fill | Reach Boom | | Mass Boom | |
|--|------------------|-------|----------|--------|------|------------|---------|-----------|------|
| | | mm | m³ | kg | % | R3.35 HD | R2.9 HD | M3.0 | M2.5 |
| Without Pin Grabber Coupler | | | | | | | | | |
| General Duty (GD) | TB | 1370 | 1.87 | 1755 | 100 | ● | ● | | |
| | UB | 1550 | 2.61 | 2418 | 100 | | | ⊙ | ● |
| | UB | 2000 | 3.60 | 2881 | 100 | | | ○ | ⊖ |
| Heavy Duty (HD) | TB | 1500 | 2.41 | 2065 | 100 | ● | ● | | |
| | TB | 1650 | 2.41 | 2210 | 100 | ● | ● | | |
| | TB | 1800 | 2.69 | 2423 | 100 | ⊙ | ⊙ | | |
| | TB | 1850 | 2.78 | 2420 | 100 | ⊙ | ⊙ | | |
| | UB | 1650 | 2.77 | 2562 | 100 | | | ⊙ | ● |
| | UB | 1850 | 3.19 | 2735 | 100 | | | ⊖ | ⊙ |
| | UB | 1950 | 3.43 | 2898 | 100 | | | ○ | ⊖ |
| | Severe Duty (SD) | TB | 1550 | 2.14 | 2340 | 90 | ● | ● | |
| TB | | 1700 | 2.41 | 2494 | 90 | ● | ● | | |
| TB | | 1900 | 2.78 | 2716 | 90 | ⊙ | ● | | |
| UB | | 1450 | 2.39 | 2540 | 90 | | | ● | ● |
| UB | | 1550 | 2.61 | 2648 | 90 | | | ● | ● |
| UB | | 1650 | 2.77 | 2729 | 90 | | | ⊙ | ● |
| UB | | 1850 | 3.21 | 2987 | 90 | | | ⊖ | ⊙ |
| UB | | 1950 | 3.43 | 3058 | 90 | | | ⊖ | ⊖ |
| Extreme Duty (XD) | TB | 1700 | 2.41 | 2765 | 90 | ● | ● | | |
| | UB | 1550 | 2.61 | 3091 | 90 | | | ⊙ | ● |
| | UB | 1650 | 2.77 | 3192 | 90 | | | ⊙ | ● |
| Maximum load pin on (payload + bucket) | | | | | kg | 7426 | 8017 | 7739 | 8528 |
| With Pin Grabber Coupler | | | | | | | | | |
| General Duty (GD) | TB | 1370 | 1.87 | 1755 | 100 | ● | ● | | |
| Heavy Duty (HD) | TB | 1500 | 2.41 | 2065 | 100 | ● | ● | | |
| | TB | 1650 | 2.41 | 2210 | 100 | ● | ● | | |
| | TB | 1800 | 2.69 | 2423 | 100 | ⊙ | ⊙ | | |
| | TB | 1850 | 2.78 | 2420 | 100 | ⊙ | ⊙ | | |
| | Severe Duty (SD) | TB | 1550 | 2.14 | 2340 | 90 | ● | ● | |
| TB | | 1700 | 2.41 | 2494 | 90 | ● | ● | | |
| TB | | 1900 | 2.78 | 2716 | 90 | ⊙ | ● | | |
| Extreme Duty (XD) | TB | 1700 | 2.41 | 2765 | 90 | ● | ● | | |
| Maximum load with coupler (payload + bucket) | | | | | kg | 6593 | 7184 | 6906 | 7695 |

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with long tips.

Maximum Material Density

- 2100 kg/m³
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³

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.

352F Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

| | Linkage | Width | Capacity | Weight | Fill | Reach Boom | | Mass Boom | |
|--|---------|-------|----------|--------|------|------------|---------|-----------|------|
| | | mm | m³ | kg | % | R3.35 HD | R2.9 HD | M3.0 | M2.5 |
| With Quick Coupler (CW55) | | | | | | | | | |
| Heavy Duty (HD) | TB | 1650 | 2.41 | 2196 | 100 | ● | ● | | |
| | UB | 1650 | 2.77 | 2479 | 100 | | | ⊙ | ● |
| | UB | 1850 | 3.19 | 2664 | 100 | | | ⊖ | ⊙ |
| Severe Duty (SD) | UB | 1550 | 2.61 | 2570 | 90 | | | ● | ● |
| | UB | 1650 | 2.77 | 2655 | 90 | | | ⊙ | ● |
| Extreme Duty (XD) | UB | 1550 | 2.61 | 3087 | 90 | | | ⊙ | ● |
| Maximum load with coupler (payload + bucket) | | | | | kg | 6666 | 7257 | 6899 | 7688 |

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with long tips.

Maximum Material Density

- 2100 kg/m³
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³

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.

352F Hydraulic Excavator Specifications

Work Tool Offering Guide*

| Boom Options | Reach Boom | | Mass Boom | |
|--------------------------------|--------------------|--------------------|------------------------|------------------------|
| Stick Options | R3.35 HD | R2.9 HD | M3.0 | M2.5 |
| Counterweight | Standard (9.0 mt) | | | |
| Hydraulic Hammer | H160E s H180E s | H160E s H180E s | H160E s** H180E s** | H160E s** H180E s** |
| Multi-Processor | MP30 CC Jaw | MP30 CC Jaw | MP30 CC Jaw** | MP30 CC Jaw** |
| | MP30 CR Jaw | MP30 CR Jaw | MP30 CR Jaw** | MP30 CR Jaw** |
| | MP30 PP Jaw | MP30 PP Jaw | MP30 PP Jaw** | MP30 PP Jaw** |
| | MP30 PS Jaw | MP30 PS Jaw | MP30 PS Jaw** | MP30 PS Jaw** |
| | MP30 S Jaw | MP30 S Jaw | MP30 S Jaw** | MP30 S Jaw** |
| | MP30 TS Jaw | MP30 TS Jaw | MP30 TS Jaw** | MP30 TS Jaw** |
| | | | MP40 CC Jaw*** | MP40 CC Jaw^ |
| | | | MP40 CR Jaw*** | MP40 CR Jaw^ |
| | | | MP40 PS Jaw***# | MP40 PS Jaw*** |
| | | | MP40 S Jaw*** | MP40 S Jaw^ |
| Pulverizer | P235 | P235 | P235** | P235** |
| Crusher | P335 | P335 | P335** P360^ | P335** P360** |
| Demolition and Sorting Grapple | G330 | G330 | G330** | G330** |
| Scrap and Demolition Shear | S340B | S340B | S340B** | S340B** |
| | S365B## | S365B## | S365B## | S365B## |
| | S385B## | S385B## | S385B## | S385B## |
| Orange Peel Grapple | | | | |
| Rippers | | | | |
| Pin Grabber Coupler | CAT-PG | | | |
| Dedicated Quick Coupler | CW-55 | | | |

These work tools are available for the 352F.
Consult your Cat dealer for proper match.

*Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

**Pin-on or CW coupler.

***Pin-on only.

#Over the front only.

##Boom mount.

^Over the front only with CW coupler (match Pin-on and CW).

Standard Equipment

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

ENGINE

- Cat C13 ACERT diesel engine
- Biodiesel capable, up to B20
- Meets EU Stage IV emission standards
- 2300 m altitude capability
- Electric priming pump with switch
- Automatic engine speed control
- Standard, economy and high power modes
- Air cleaner
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Fuel differential indicator switch in fuel line

HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing additional auxiliary circuits
- Up to B20 Bio oil capable

CAB

- Parallel wiper and washer
- Mirrors
- Pressurized operator station with positive filtration
- Laminated glass front upper window and tempered other windows
- Sliding upper door window (left-hand cab door)
- Removable lower windshield within cab storage bracket
- Openable skylight

- Interior
 - Glass-breaking safety hammer
 - Coat hook
 - Beverage holder
 - Literature holder
 - Interior lighting
 - AM/FM radio mounting (DIN size)
 - Two 12V stereo speakers
 - Storage shelf suitable for lunch or toolbox
 - Power supply with 12V, two power outlets (10 amp)
 - Thumb wheel modulation joystick for use with combined auxiliary control
 - Sunscreen
 - Air conditioner, heater and defroster with climate control
- Seat
 - Adjustable high back, heated and ventilated seat with air suspension
 - Seat belt, 51 mm
 - Adjustable armrest
 - Height adjustable joystick consoles
 - Neutral lever (lock out) for all controls
 - Travel control pedals with removable hand levers
 - Capability of installing two additional pedals
 - Two speed travel
 - Floor mat, washable
- Monitor
 - Clock
 - Video ready
 - Color LCD display with warning, filter/fluid change, and working hour information
 - Language display (full graphic and full color display)
 - Machine condition, error code and tool mode setting information
 - Start-up level check for engine oil, engine coolant and hydraulic oil
 - Warning, filter/fluid change and working hour information
 - Fuel consumption meter

COUNTERWEIGHT

- 9 mt

UNDERCARRIAGE

- Grease Lubricated Track with PPR2 GLT4
- Towing eye on base frame
- Heavy-duty track rollers and idlers
- Track motor guards
- Heavy-duty bottom guard
- Swivel guard

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Standard battery

LIGHTS

- Cab and boom lights with time delay
- Exterior lights integrated into storage box

SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Openable skylight for emergency exit
- Rear vision camera
- Capability to connect a beacon
- Bolt on FOGS capability
- Safety hammer for breaking cab glass

INTEGRATED TECHNOLOGIES

- Product Link
- Rear vision camera

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

ENGINE

- Fast fill port for fuel
- Jump start receptacle
- Quick drains, engine and hydraulic oil (QuickEvac™)

HYDRAULIC SYSTEM

- HP hydraulic lines for boom and stick
- MP hydraulic lines for boom and stick
- QC hydraulic lines for boom and stick
- Universal QC Control
- Up to B20 Bio hydraulic oil

ELECTRICAL

- Cold weather starting package, 240V, –32° C
- Travel alarm
- Electric refueling pump with auto shut off with storage box

CAB

- Windshield
 - 70-30 split, sliding, removable lower windshield with in cab storage bracket
 - One-piece, fixed
- Cab front rain protector

TRACK

- 600 mm double grouser shoes
- 600 mm triple grouser shoes
- 750 mm triple grouser shoes
- 900 mm triple grouser shoes

GUARDS

- FOGS (Falling Object Guard system) including overhead and windshield guards
- Track guiding guards
 - Full length (2 piece)
 - Center
 - Segmented (3 piece)

FRONT LINKAGE

- HD Reach boom 6.9 m (with BLCV/SLCV/SmartBoom)
 - R3.35TB stick (with or without CGC)
 - R2.9TB stick
- Mass boom 6.55 m (with or without BLCV/SLCV/SmartBoom)
 - M3.0UB stick
 - M2.5UB stick
- Bucket linkage
 - UB family (with or without lifting eye)
 - TB family (with lifting eye)
- Universal quick coupler

LIGHTS

- Cab working lights, halogen
- Cab working lights, HID
- Boom working lights, halogen
- Boom working lights, HID

SECURITY

- FOGS, bolt-on

INTEGRATED TECHNOLOGIES

- Cat Grade Control Depth and Slope

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

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