## 336D2 L
Hydraulic Excavator

### Engine

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C9 ACERT™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Power (ISO 14396)</td>
<td>209 kW 280 hp</td>
</tr>
<tr>
<td>Net Power (SAE J1349/ISO 9249)</td>
<td>208 kW 279 hp</td>
</tr>
</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>37 086 kg 81,761 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td></td>
</tr>
<tr>
<td>Maximum Travel Speed</td>
<td>4.6 km/h 2.9 mph</td>
</tr>
<tr>
<td>Maximum Drawbar Pull</td>
<td>300.5 kN 67,555 lbf</td>
</tr>
</tbody>
</table>
336D2 L Differentiating Features

**Engine and Hydraulics**
A powerful Cat C9 ACERT engine that meets U.S. EPA Tier 3, EU Stage IIIA equivalent and Brazil MAR-1 emission standards combined with a highly efficient hydraulic system deliver excellent performance with low fuel consumption.

**Structures**
Caterpillar design and manufacturing techniques assure you get outstanding durability and service life in the toughest applications.

**Operator Station**
The spacious ROPS (Roll Over Protective Structure) cab features excellent visibility and easy-to-access switches. The monitor features a full-color graphical display that is easy to see and use. Overall, the new cab provides you with a comfortable working environment for maximum production and efficiency.

**Reduced Service and Maintenance Cost**
Routine service and maintenance can be completed quickly and easily to help you reduce ownership costs. Convenient access points, extended service intervals, and advanced filtration help keep downtime to a minimum.

**Complete Customer Support**
Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment.

**Cat 336D2 L Total Solutions**
Caterpillar and its extensive dealer network offer a wide variety of solutions designed to meet the unique needs of your business.

**Contents**
- Operator Station.................................4
- Engine ......................................................6
- Hydraulics ..................................................7
- Structures and Undercarriage ...............8
- Front Linkage ...........................................9
- Service and Maintenance .....................10
- Complete Customer Support .................11
- Work Tools ..............................................12
- Specifications ........................................14
- Standard Equipment ............................29
- Optional Equipment ..............................30
- Notes ......................................................31
The 336D2 L incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, and high versatility.
Operator Station
Ergonomically designed to keep you comfortable and productive all day long.
Cab Structure and Mounts
The cab shell is attached to the frame with viscous rubber mounts, which dampen vibrations and sound levels while enhancing your comfort. Thick steel tubing along the bottom perimeter improves the cab’s resistance to fatigue and vibration.

ROPS Certified Operator Station
The 336D2 features a ROPS (Roll Over Protective Structure) cab structure as standard. This design also allows for a Falling Object Guard System (FOGS) or front windshield guard to be bolted directly to the cab, either at the factory or in the field, enabling the machine to meet all job site requirements.

- More glass versus previous non-ROPS cab to improve visibility
- Volume increase: more interior head room space
- Improved cab pressurization
- ROPS cab air filter accessible at ground level

Seat
The air suspension seat provides a variety of adjustments to accommodate a wide range of operators. The seat includes a seat heater to meet your needs for comfort and productivity.

Joystick Control and Console
Low-effort pilot-operated joystick controls are designed to match your natural wrist and arm position for maximum comfort and minimum fatigue. The right and left joystick console can be adjusted to meet your individual preferences, improving overall comfort and productivity during the course of a long work day.

Climate Control
Positive filtered ventilation with a pressurized cab is standard. Fresh air or re-circulated air can be selected with a switch on the left console.

Windows and Wipers
All glass is affixed directly to the cab to maximize visibility, eliminating window frames. The upper front windshield opens, closes, and stores on the roof above the operator with a one-touch action release system. Pillar-mounted wipers increase your viewing area and offer continuous and intermittent modes.

Monitor
The new monitor features a 40 percent larger screen with four times increased resolution display.

The LCD monitor is equipped with a warning lamp and buzzer for critical engine oil pressure, coolant temperature and oil temperature. Programmable in up to 42 languages to meet today’s diverse workforce, the monitor clearly displays critical information needed to operate efficiently and effectively.

Filters and fluid change intervals are available in the main menu which also projects the image from the optional rearview camera, further enhancing your job site safety and productivity.
**Engine**

Powerful, reliable, and fuel efficient to deliver more to your bottom line.

---

**Emission Standards**
The Cat C9 ACERT engine meets Tier 3/Stage IIIA equivalent and Brazil MAR-1 emission standards. The engine incorporates proven robust components and precision manufacturing you can count on for reliable and efficient operation.

**Filtration System**
The C9 ACERT engine features an improved filtration system to ensure reliability even with less-than-quality fuel. Service intervals have been extended and the number of filters reduced to maximize your profit potential.

**Automatic Engine Speed Control**
Automatic engine speed control is activated during no-load or light-load conditions to reduce engine speed – all to help minimize fuel consumption.

**Low Sound and Vibration**
The Cat C9 ACERT engine is built to run quietly with limited vibration, which contributes to improving your comfort.
Hydraulic System
Hydraulic system pressure from the two-pump system delivers terrific digging performance and productivity. The hydraulic system and component locations have been designed to provide a high level of system efficiency. The main pumps, control valves, and hydraulic tank are located close together to allow for shorter tubes and lines between components, reducing friction loss and pressure drops.

Pilot System
An independent pilot pump enables smooth, precise control for the front linkage, swing, and travel operations.

Hydraulic Cross-Sensing System
The hydraulic cross-sensing system utilizes each of two hydraulic pumps to 100 percent of engine power under all operating conditions. This improves productivity with faster implement speeds and quicker, stronger pivot turns.

Auxiliary Hydraulic Valve
Control circuits are available as attachments to improve versatility. They allow operation of high- and medium-pressure tools such as shears, grapples, hammers, pulverizers, multiprocessors, and vibratory plate compactors.

Boom and Stick Regeneration Circuit
Boom and stick regeneration circuits save energy during boom-down and stick-in operation to increase efficiency and reduce cycle times and pressure loss for higher productivity, lower operating costs, and increased fuel efficiency.

Hydraulic Cylinder Snubbers
Snubbers are located at the rod end of the boom cylinders and both ends of the stick cylinders to cushion shocks while reducing sound levels and extending component life.

Hydraulic Activation Control Lever
With the hydraulic activation lever in the neutral position, all front linkage, swing, and travel functions are isolated.
Structures and Undercarriage
Strong and durable like you expect from Cat excavators.

Main Frame
The rugged main frame is built to perform in the toughest applications. The X-shaped, box-section carbody provides excellent resistance to torsional bending, and press-formed, robot-welded track roller frames provide exceptional strength and durability.

Rollers and Idlers
Sealed and lubricated track rollers, carrier rollers, and idlers provide excellent service life to keep your machine in the field and working longer.

Counterweights
A 6.0 mt (6.6 t) weight works well in applications that require heavy lifting. It’s bolted directly to the main frame for extra rigidity.

Long Undercarriage
Wide and sturdy long undercarriage offers an excellent platform for applications that require maximum stability and lift capacity.

Undercarriage
Durable Cat undercarriage absorbs stress and provides excellent stability. The 336D2 L comes standard with grease lubricated tracks. The track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise and extend service life lowering operating costs.
Heavy-Duty Reach Front Linkage
The heavy-duty (HD) reach front linkage is built to work in a variety of tough, demanding applications like loading rock or hammering concrete. The 6.5 m (21’4”) HD boom is made of high-tensile-strength steel using a large box-section design with interior baffle plates and an additional bottom guard for long life and durability.
- The 3.2 m (10’6”) stick is a versatile option that will meet the needs for most of your construction applications. A heavy-duty version is also available.

Mass Excavation Front Linkage
The mass excavation (ME) front linkage is designed to maximize machine performance through superior digging forces and a larger bucket capacity. The 6.18 m (20’3”) mass excavation boom is reinforced with a large cross section and internal baffle plates for long life and durability.

The ME reach boom has two stick options to meet your demanding applications:
- The 2.55 m (8’4”) stick is designed for large, high-volume earthmoving work.
- The 2.15 m (7’1”) stick is best when you primarily use high-capacity buckets in truck loading applications to maximize your breakout force and increase your bucket fill factor.
Service and Maintenance
Simplified design to save you time and money.

Ground-Level Service
The design and layout of the 336D2 was made with the service technician in mind. Most service locations are easily accessible at ground level to allow service and maintenance to get completed quickly and efficiently.

Air Filter Compartment
The air filter features a double-element construction for superior cleaning efficiency. When the air filter plugs, a warning is displayed on the cab monitor. Maintenance-free batteries are standard along with a battery disconnect switch.

Greasing Points
A concentrated remote greasing block on the boom allows greasing of hard-to-reach locations on the boom and stick.

Fan Guard
The engine radiator fan is enclosed by a steel guard that provides maximum protection when carrying out routine service and maintenance.

Anti-Skid Plating
Anti-skid plating covers the entire upper structure and storage box to prevent slipping during maintenance. Safety is further enhanced with the addition of countersunk bolts to reduce trip hazards.

Diagnostics and Monitoring
Standard hydraulic test ports enable a service technician to evaluate the hydraulic system, engine oil, and coolant quickly and easily for more efficient maintenance.

Pump Compartment
A service door on the right side of the upper structure allows ground-level access to the hydraulic pumps, hydraulic filters, engine oil filter, and fuel filters.

Radiator Compartment
The left rear service door allows easy access to the engine radiator, hydraulic oil cooler, air-to-air aftercooler, and AC condenser. A reserve tank and drain cock are attached to the radiator for ground-level maintenance.
Complete Customer Support
A wide range of personalized solutions from your local Cat dealer.

Product Support
Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine downtime. You can also save money with our line of remanufactured components.

Machine Selection
Your Cat dealers can provide specific recommendations with detailed comparisons of the Cat machines you are considering before you buy. This ensures you get the right size machine and appropriate work tools to meet all of your application needs.

Maintenance Services
Repair option programs guarantee the cost of repairs up front. Condition monitoring services and diagnostic programs such as scheduled oil sampling, coolant sampling, and technical analysis help you avoid unscheduled repairs.

Customer Support Agreements
Cat dealers offer a variety of product support agreements that can be tailored to meet your specific needs. These plans can cover the entire machine – including attachments – to help protect your investment.

Replacement
Repair, rebuild, or replace? Your Cat dealers can help you evaluate the costs involved so you can make the right choice.
Work Tools
Dig, hammer, rip, and cut with confidence.

Versatility and Performance
Each Cat work tool is designed to optimize the versatility and performance of your machine. An extensive range of buckets, compactors, grapples, multi-processors, rippers, crushers, pulverizers, hammers, and shears is available for your 336D2 L.

Buckets and GET
Cat buckets and Cat Ground Engaging Tools (GET) are designed and matched to the machine to ensure optimal performance and fuel efficiency.

General-Duty Buckets (GD)
GD buckets are for digging in low-impact, moderately abrasive materials such as dirt, loam, gravel, and clay.

Heavy-Duty Buckets (HD)
HD buckets are a good starting point when application conditions vary – especially when conditions include mixed dirt, clay, sand, and gravel.

Severe-Duty Buckets (SD)
SD buckets are best suited to highly abrasive materials like shot rock, sand stone, and granite.

Extreme-Duty Buckets (XD)
XD buckets are for extremely abrasive materials like high-quartzite granite.

1) General-Duty Buckets (GD)
2) Heavy-Duty Buckets (HD)
3) Severe-Duty Buckets (SD)
4) Extreme-Duty Buckets (XD)
**Couplers**
Quick couplers allow one person to change work tools in seconds for maximum performance and flexibility on a job site. One machine can move rapidly from task to task, and a fleet of similarly equipped machines can share a common work tool inventory.

**Center-Lock™ Pin Grabber Coupler**
Center-Lock is a pin grabber coupler and features a patent-pending locking system. A highly visible secondary lock clearly shows the operator when the coupler is engaged or disengaged from the bucket or work tool.

**E Series Hammers**
E Series hammers bring together customer expectations for performance, quality, and serviceability along with Caterpillar manufacturing expertise. They are also quiet—a significant benefit in urban and noise-restricted work areas.

**Rippers**
Constructed from high-strength steels and built to last, Cat rippers endure in the toughest conditions. The box-section structure is reinforced for maximum rigidity, transmitting the full machine power to the material being ripped. Rippers feature a replaceable wear tip, and most models also come equipped with a replaceable shank protector.

**Grapples**
Cat grapples make Cat excavators the ideal machine for handling loose material, sorting trash, and demolition site cleanup. An array of styles and sizes is available to match excavators to the task at hand.

**Multi-Processors**
Multi-processors do the work of many types of demolition tools by use of interchangeable jaw sets. Changing jaws allows a single unit to crush, pulverize, and perform a variety of specialized tasks such as cutting steel rebar and tanks.

**Shears**
Cat shears are designed to take full advantage of the hydraulic flows and pressures produced by Cat excavators—all to enhance productivity without compromising safety or causing premature wear of the shear or carrier.

**Pulverizers**
Mechanical pulverizers are cost-effective tools for recycling demolished concrete debris. The bucket cylinder on the excavator powers the pulverizer, eliminating the need for a dedicated cylinder, associated hydraulics, and additional installation cost.

**Compactors**
Cat compactors make job site compaction quick, efficient, and cost effective.

**Crushers**
The hydraulic concrete crusher is well suited for demolition in residential areas. The tool combines several demolition operations in one piece of equipment:
- Breaking out concrete from fixed structures
- Pulverizing concrete
- Cutting reinforcement rods and small steel profiles
## Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat C9 ACERT</td>
</tr>
<tr>
<td>Engine Power (ISO 14396)</td>
<td>209 kW 280 hp</td>
</tr>
<tr>
<td>Net Power (SAE J1349/ISO 9249)</td>
<td>208 kW 279 hp</td>
</tr>
<tr>
<td>Bore</td>
<td>112 mm 4.41 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>149 mm 5.87 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>8.8 L 537 in³</td>
</tr>
</tbody>
</table>

- The Cat C9 ACERT meets Tier 3/Stage IIIA equivalent and Brazil MAR-1 emission standards.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- The field-proven C9 ACERT engine can work efficiently at altitudes up to 2300 m (7,546 ft).

## Swing Mechanism

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing Speed</td>
<td>8.3 rpm</td>
</tr>
<tr>
<td>Swing Torque</td>
<td>109 kN·m 80,144 lbf-ft</td>
</tr>
</tbody>
</table>

## Drive

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Gradeability</td>
<td>70%/30°</td>
</tr>
<tr>
<td>Maximum Travel Speed</td>
<td>4.6 km/h 2.9 mph</td>
</tr>
<tr>
<td>Maximum Drawbar Pull</td>
<td>300.5 kN 67,555 lbf</td>
</tr>
</tbody>
</table>

## Hydraulic System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main System – Maximum Flow (total)</td>
<td>562 L/min 148 gal</td>
</tr>
<tr>
<td>Swing System – Maximum Flow</td>
<td>265 L/min 70 gal</td>
</tr>
<tr>
<td>Maximum Pressure – Equipment</td>
<td>35 000 kPa 5,076 psi</td>
</tr>
<tr>
<td>Maximum Pressure – Travel</td>
<td>35 000 kPa 5,076 psi</td>
</tr>
<tr>
<td>Maximum Pressure – Swing</td>
<td>28 000 kPa 4,061 psi</td>
</tr>
<tr>
<td>Pilot System – Maximum Flow</td>
<td>40 L/min 11 gal/min</td>
</tr>
<tr>
<td>Pilot System – Maximum Pressure</td>
<td>4000 kPa 580 psi</td>
</tr>
<tr>
<td>Boom Cylinder – Bore</td>
<td>150 mm 5.9 in</td>
</tr>
<tr>
<td>Boom Cylinder – Stroke</td>
<td>1440 mm 56.7 in</td>
</tr>
<tr>
<td>Stick Cylinder – Bore</td>
<td>170 mm 6.7 in</td>
</tr>
<tr>
<td>Stick Cylinder – Stroke</td>
<td>1738 mm 68.4 in</td>
</tr>
<tr>
<td>DB Bucket Cylinder – Bore</td>
<td>150 mm 5.9 in</td>
</tr>
<tr>
<td>DB Bucket Cylinder – Stroke</td>
<td>1151 mm 45.3</td>
</tr>
<tr>
<td>TB Bucket Cylinder – Bore</td>
<td>160 mm 6.3 in</td>
</tr>
<tr>
<td>TB Bucket Cylinder – Stroke</td>
<td>1356 mm 53.4 in</td>
</tr>
</tbody>
</table>

## Service Refill Capacities

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank Capacity</td>
<td>620 L 163.79 gal</td>
</tr>
<tr>
<td>Cooling System</td>
<td>40 L 10.57 gal</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>41 L 10.57 gal</td>
</tr>
<tr>
<td>Swing Drive</td>
<td>19 L 5.02 gal</td>
</tr>
<tr>
<td>Final Drive (each)</td>
<td>8 L 2.11 gal</td>
</tr>
<tr>
<td>Hydraulic System (including tank)</td>
<td>410 L 108.31 gal</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>175 L 46.2 gal</td>
</tr>
</tbody>
</table>
### Dimensions

All dimensions are approximate.

<table>
<thead>
<tr>
<th>Stick Options</th>
<th>HD Reach Boom 6.5 m (21’4”)</th>
<th>Mass Boom 6.18 m (20’3”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Shipping Height*</td>
<td>R3.2DB (10’6”)</td>
<td>M2.55TB (8’4”)</td>
</tr>
<tr>
<td>2 Shipping Length</td>
<td>3490 mm (11’5”)</td>
<td>3600 mm (11’10”)</td>
</tr>
<tr>
<td>3 Tail Swing Radius</td>
<td>11 190 mm (36’9”)</td>
<td>10 890 mm (35’9”)</td>
</tr>
<tr>
<td>4 Length to Center of Rollers</td>
<td>3490 mm (11’5”)</td>
<td>3490 mm (11’5”)</td>
</tr>
<tr>
<td>5 Track Length</td>
<td>4040 mm (13’3”)</td>
<td>4040 mm (13’3”)</td>
</tr>
<tr>
<td>6 Ground Clearance*</td>
<td>5020 mm (16’6”)</td>
<td>5020 mm (16’6”)</td>
</tr>
<tr>
<td>7 Track Gauge</td>
<td>5010 mm (1’8”)</td>
<td>510 mm (1’8”)</td>
</tr>
<tr>
<td>8 Transport Width</td>
<td>3600 mm (11’10”)</td>
<td>10 930 mm (35’10”)</td>
</tr>
<tr>
<td>9 Cab Height – ROPS Cab</td>
<td>3490 mm (11’5”)</td>
<td>3490 mm (11’5”)</td>
</tr>
<tr>
<td>10 Counterweight Clearance**</td>
<td>DB1550HD</td>
<td>TB1650HD</td>
</tr>
<tr>
<td>Type</td>
<td>SAE 1.88 m³ (2.46 yd³)</td>
<td>SAE 2.41 m³ (3.15 yd³)</td>
</tr>
<tr>
<td>Tip Radius</td>
<td>3190 mm (10’6”)</td>
<td>3190 mm (10’6”)</td>
</tr>
<tr>
<td></td>
<td>3290 mm (10’10”)</td>
<td>3290 mm (10’10”)</td>
</tr>
<tr>
<td></td>
<td>3390 mm (11’1”)</td>
<td>3390 mm (11’1”)</td>
</tr>
<tr>
<td></td>
<td>3160 mm (10’4”)</td>
<td>3160 mm (10’4”)</td>
</tr>
<tr>
<td></td>
<td>1220 mm (4’0”)</td>
<td>1220 mm (4’0”)</td>
</tr>
<tr>
<td></td>
<td>1784 mm (5’10”)</td>
<td>1914 mm (6’3”)</td>
</tr>
</tbody>
</table>

*Including shoe lug height.

**Without shoe lug height.
## Working Ranges

All dimensions are approximate.

![Diagram of an excavator showing working ranges](image)

<table>
<thead>
<tr>
<th>Boom Options</th>
<th>HD Reach Boom 6.5 m (21'4&quot;)</th>
<th>Mass Boom 6.18 m (20'3&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stick Options</strong></td>
<td><strong>R3.2DB (10'6&quot;)</strong></td>
<td><strong>M2.55TB (8'4&quot;)</strong></td>
</tr>
<tr>
<td>1 Maximum Digging Depth</td>
<td>7510 mm (24'8&quot;)</td>
<td>6670 mm (21'11&quot;)</td>
</tr>
<tr>
<td>2 Maximum Reach at Ground Level</td>
<td>11 050 mm (36'3&quot;)</td>
<td>10 280 mm (33'9&quot;)</td>
</tr>
<tr>
<td>3 Maximum Cutting Height</td>
<td>10 250 mm (33'8&quot;)</td>
<td>9990 mm (32'9&quot;)</td>
</tr>
<tr>
<td>4 Maximum Loading Height</td>
<td>7080 mm (23'3&quot;)</td>
<td>6600 mm (21'8&quot;)</td>
</tr>
<tr>
<td>5 Minimum Loading Height</td>
<td>2550 mm (8'6&quot;)</td>
<td>2900 mm (9'6&quot;)</td>
</tr>
<tr>
<td>6 Maximum Depth Cut for 2440 mm (80&quot;) Level Bottom</td>
<td>7360 mm (24'2&quot;)</td>
<td>6490 mm (21'4&quot;)</td>
</tr>
<tr>
<td>7 Maximum Vertical Wall Digging Depth</td>
<td>5420 mm (17'9&quot;)</td>
<td>4700 mm (15'5&quot;)</td>
</tr>
<tr>
<td>Type</td>
<td>DB1550HD</td>
<td>TB1650HD</td>
</tr>
<tr>
<td>Capacity</td>
<td>SAE 1.88 m³ (2.46 yd³)</td>
<td>SAE 2.41 m³ (3.15 yd³)</td>
</tr>
<tr>
<td>Tip Radius</td>
<td>1784 mm (5'10&quot;)</td>
<td>1914 mm (6'3&quot;)</td>
</tr>
</tbody>
</table>
## Major Component Weights

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Structure (without counterweight and track)</td>
<td>8700 kg (19,200 lb)</td>
</tr>
<tr>
<td>Upper Structure (without front linkage)</td>
<td>9200 kg (20,300 lb)</td>
</tr>
<tr>
<td>Counterweight</td>
<td></td>
</tr>
<tr>
<td>6.0 mt (6.6 t)</td>
<td>6000 kg (13,200 lb)</td>
</tr>
<tr>
<td>Boom (includes lines, pins and stick cylinder)</td>
<td></td>
</tr>
<tr>
<td>HD Reach Boom – 6.5 m (21'4&quot;)</td>
<td>4200 kg (9,300 lb)</td>
</tr>
<tr>
<td>Mass Boom – 6.18 m (20'3&quot;)</td>
<td>4000 kg (8,800 lb)</td>
</tr>
<tr>
<td>Stick (includes lines, pins and bucket cylinder)</td>
<td></td>
</tr>
<tr>
<td>R3.2DB (10'6&quot;)</td>
<td>1800 kg (4,000 lb)</td>
</tr>
<tr>
<td>HD R3.2DB (10'6&quot;)</td>
<td>2000 kg (4,400 lb)</td>
</tr>
<tr>
<td>M2.55TB (8'4&quot;)</td>
<td>2000 kg (4,400 lb)</td>
</tr>
<tr>
<td>M2.15TB (7'1&quot;)</td>
<td>1900 kg (4,200 lb)</td>
</tr>
<tr>
<td>Track Shoe</td>
<td></td>
</tr>
<tr>
<td>800 mm (32&quot;) Triple Grouser</td>
<td>5100 kg (11,200 lb)</td>
</tr>
<tr>
<td>700 mm (28&quot;) Triple Grouser</td>
<td>4400 kg (9,700 lb)</td>
</tr>
<tr>
<td>600 mm (24&quot;) Triple Grouser</td>
<td>4100 kg (9,000 lb)</td>
</tr>
<tr>
<td>600 mm (24&quot;) Double Grouser</td>
<td>4900 kg (10,800 lb)</td>
</tr>
<tr>
<td>Quick Coupler</td>
<td>600 kg (1,300 lb)</td>
</tr>
<tr>
<td>Bucket</td>
<td></td>
</tr>
<tr>
<td>DB1550HD SAE 1.88 m³ (2.46 yd³)</td>
<td>1600 kg (3,500 lb)</td>
</tr>
<tr>
<td>TB1650HD SAE 2.41 m³ (3.15 yd³)</td>
<td>2400 kg (5,300 lb)</td>
</tr>
</tbody>
</table>

*Base machine includes 75 kg (165 lb) operator weight and 90% fuel weight and undercarriage with center guard.*
# 336D2 L Hydraulic Excavator Specifications

## Operating Weights and Ground Pressures

<table>
<thead>
<tr>
<th></th>
<th>800 mm (31&quot;)</th>
<th>700 mm (28&quot;)</th>
<th>600 mm (24&quot;)</th>
<th>600 mm (24&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Triple Grouser Shoes</td>
<td>Triple Grouser Shoes</td>
<td>Triple Grouser Shoes</td>
<td>Double Grouser Shoes</td>
</tr>
<tr>
<td><strong>HD Reach Boom – 6.5 m (21'4&quot;)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R3.2DB (10'6&quot;)</td>
<td>36 600 kg (80,700 lb)</td>
<td>35 900 kg (79,100 lb)</td>
<td>36 600 kg (78,500 lb)</td>
<td>36 400 kg (80,200 lb)</td>
</tr>
<tr>
<td></td>
<td>51.1 kPa (7.4 psi)</td>
<td>57.3 kPa (8.3 psi)</td>
<td>66.3 kPa (9.6 psi)</td>
<td>67.8 kPa (9.8 psi)</td>
</tr>
<tr>
<td>HD R3.2DB (10'6&quot;)</td>
<td>36 800 kg (81,100 lb)</td>
<td>36 100 kg (79,600 lb)</td>
<td>35 800 kg (78,900 lb)</td>
<td>36 600 kg (80,700 lb)</td>
</tr>
<tr>
<td></td>
<td>51.4 kPa (7.5 psi)</td>
<td>57.6 kPa (8.4 psi)</td>
<td>66.7 kPa (9.7 psi)</td>
<td>68.2 kPa (9.9 psi)</td>
</tr>
<tr>
<td><strong>Mass Boom – 6.18 m (20'3&quot;)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M2.55TB (8'4&quot;)</td>
<td>37 400 kg (82,500 lb)</td>
<td>36 700 kg (80,900 lb)</td>
<td>36 300 kg (80,000 lb)</td>
<td>37 200 kg (82,000 lb)</td>
</tr>
<tr>
<td></td>
<td>52.2 kPa (7.6 psi)</td>
<td>58.6 kPa (8.5 psi)</td>
<td>67.6 kPa (9.8 psi)</td>
<td>69.3 kPa (10.1 psi)</td>
</tr>
<tr>
<td>M2.15TB (7'1&quot;)</td>
<td>37 400 kg (82,500 lb)</td>
<td>36 600 kg (80,700 lb)</td>
<td>36 300 kg (80,000 lb)</td>
<td>37 100 kg (81,800 lb)</td>
</tr>
<tr>
<td></td>
<td>52.2 kPa (7.6 psi)</td>
<td>58.4 kPa (8.5 psi)</td>
<td>67.6 kPa (9.8 psi)</td>
<td>69.1 kPa (10.0 psi)</td>
</tr>
</tbody>
</table>

## Bucket and Stick Digging Forces

<table>
<thead>
<tr>
<th></th>
<th>Reach Boom – 6.5 m (21'4&quot;)</th>
<th>Mass Boom – 6.18 m (20'3&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>R3.2DB (10'6&quot;)</strong></td>
<td><strong>M2.55TB (8'4&quot;)</strong></td>
</tr>
<tr>
<td><strong>Heavy-Duty Bucket</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bucket Digging Force (ISO)</td>
<td>211.1 kN (47,460 lbf)</td>
<td>265.0 kN (59,570 lbf)</td>
</tr>
<tr>
<td>Stick Digging Force (ISO)</td>
<td>166.9 kN (37,520 lbf)</td>
<td>190.7 kN (42,880 lbf)</td>
</tr>
<tr>
<td>Bucket Digging Force (SAE)</td>
<td>184.3 kN (41,440 lbf)</td>
<td>228.7 kN (51,410 lbf)</td>
</tr>
<tr>
<td>Stick Digging Force (SAE)</td>
<td>161.7 kN (36,360 lbf)</td>
<td>182.9 kN (41,130 lbf)</td>
</tr>
</tbody>
</table>
### Reach Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)

**3.2 m (10'6")**

**6.5 m (21'4")**

**600 mm (24")**

**Triple Grouser Shoes**

**2590 mm (8'6")**

**5020 mm (16'6")**

#### Lift Capacities

<table>
<thead>
<tr>
<th>Reach Length</th>
<th>3000 mm/120 in</th>
<th>4500 mm/180 in</th>
<th>6000 mm/240 in</th>
<th>7500 mm/300 in</th>
<th>9000 mm/360 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500 mm</td>
<td>7750</td>
<td>7050</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6000 mm</td>
<td><em>7850</em></td>
<td>7000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4500 mm</td>
<td><em>12 050</em></td>
<td>9550</td>
<td>9650</td>
<td><em>17 200</em></td>
<td>15 000</td>
</tr>
<tr>
<td>3000 mm</td>
<td><em>15 200</em></td>
<td>19 250</td>
<td><em>32 650</em></td>
<td>24 100</td>
<td>19 950</td>
</tr>
<tr>
<td>1500 mm</td>
<td><em>17 500</em></td>
<td>12 550</td>
<td>12 450</td>
<td>18 100</td>
<td>13 200</td>
</tr>
<tr>
<td>60 in</td>
<td><em>27 700</em></td>
<td><em>26 950</em></td>
<td>18 100</td>
<td>21 300</td>
<td>16 150</td>
</tr>
<tr>
<td>0 mm</td>
<td><em>18 250</em></td>
<td>12 150</td>
<td><em>13 250</em></td>
<td>80 505</td>
<td>96 505</td>
</tr>
<tr>
<td>0 in</td>
<td><em>39 500</em></td>
<td>26 100</td>
<td><em>28 650</em></td>
<td>17 350</td>
<td>20 800</td>
</tr>
<tr>
<td>–1500 mm</td>
<td><em>13 250</em></td>
<td><em>13 250</em></td>
<td><em>17 850</em></td>
<td><em>13 300</em></td>
<td>9550</td>
</tr>
<tr>
<td>–60 in</td>
<td><em>29 900</em></td>
<td><em>29 900</em></td>
<td><em>38 700</em></td>
<td><em>28 750</em></td>
<td>9550</td>
</tr>
<tr>
<td>–3000 mm</td>
<td><em>20 900</em></td>
<td><em>20 900</em></td>
<td><em>16 550</em></td>
<td><em>12 600</em></td>
<td>9500</td>
</tr>
<tr>
<td>–120 in</td>
<td><em>47 350</em></td>
<td><em>47 350</em></td>
<td><em>35 800</em></td>
<td><em>27 150</em></td>
<td>20 700</td>
</tr>
<tr>
<td>–4500 mm</td>
<td><em>18 550</em></td>
<td><em>18 550</em></td>
<td><em>13 950</em></td>
<td><em>10 550</em></td>
<td><em>22 450</em></td>
</tr>
</tbody>
</table>

*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 within ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.
### Reach Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)

![Diagram of a hydraulic excavator with specifications]

<table>
<thead>
<tr>
<th>Reach</th>
<th>3000 mm/120 in</th>
<th>4500 mm/180 in</th>
<th>6000 mm/240 in</th>
<th>7500 mm/300 in</th>
<th>9000 mm/360 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.2 m (10'6&quot;)</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>6.5 m (21'4&quot;)</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

### Specifications

- **Boom Lift Capacities**:
  - Long Undercarriage
  - Counterweight: 6.0 mt (6.6 t)
  - Reach Boom Lift Capacities:
    - 3.2 m (10'6")
    - 6.5 m (21'4")

<table>
<thead>
<tr>
<th>Track Length</th>
<th>2500 mm (8'6&quot;)</th>
<th>4040 mm (13'3&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 mm/120 in</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>4500 mm/180 in</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>6000 mm/240 in</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>7500 mm/300 in</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>9000 mm/360 in</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

### Notes

- **Triple Grouser Shoes**
  - R3.2DB-HD
- **Track Lengths**
  - 2500 mm (8'6")
  - 4040 mm (13'3")
- **Dimensions**
  - 7710 mm
  - 300 in
- **Weights**
  - 3000 kg
  - 6720 lb
  - 39,900 kg
  - 87,350 lb

*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.
**Mass Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)**

<table>
<thead>
<tr>
<th>Track Width (mm/In)</th>
<th>3000 mm/120 in</th>
<th>4500 mm/180 in</th>
<th>6000 mm/240 in</th>
<th>7500 mm/300 in</th>
<th>mm</th>
<th>in</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500 mm</td>
<td>*8250</td>
<td>*8250</td>
<td>*8250</td>
<td>*8250</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>6000 mm/20 in</td>
<td>*20,450</td>
<td>*20,450</td>
<td>*20,450</td>
<td>*20,450</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>600 mm</td>
<td>*6050</td>
<td>6750</td>
<td>*9050</td>
<td>*6000</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>5400 mm/210 in</td>
<td>*18,400</td>
<td>*18,400</td>
<td>*18,400</td>
<td>*18,400</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>4800 mm/190 in</td>
<td>*16,900</td>
<td>*16,900</td>
<td>*16,900</td>
<td>*16,900</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>4200 mm/170 in</td>
<td>*15,450</td>
<td>*15,450</td>
<td>*15,450</td>
<td>*15,450</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>3600 mm/150 in</td>
<td>*14,000</td>
<td>*14,000</td>
<td>*14,000</td>
<td>*14,000</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>3000 mm/120 in</td>
<td>*12,500</td>
<td>*12,500</td>
<td>*12,500</td>
<td>*12,500</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>2400 mm/100 in</td>
<td>*11,050</td>
<td>*11,050</td>
<td>*11,050</td>
<td>*11,050</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>1800 mm/80 in</td>
<td>*9600</td>
<td>*9600</td>
<td>*9600</td>
<td>*9600</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>1200 mm/60 in</td>
<td>*28,750</td>
<td>*28,750</td>
<td>*23,050</td>
<td>*20,450</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>600 mm</td>
<td>*8300</td>
<td>*8300</td>
<td>*6000</td>
<td>*3000</td>
<td>kg</td>
<td>lb</td>
</tr>
</tbody>
</table>

*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.
### Mass Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)

<table>
<thead>
<tr>
<th>3000 mm/120 in</th>
<th>4500 mm/180 in</th>
<th>6000 mm/240 in</th>
<th>7500 mm/300 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>7500 mm</td>
<td>9250</td>
<td>9250</td>
<td>8300</td>
</tr>
<tr>
<td>6000 mm</td>
<td>9600</td>
<td>9600</td>
<td>8300</td>
</tr>
<tr>
<td>4500 mm</td>
<td>10,650</td>
<td>9600</td>
<td>8300</td>
</tr>
<tr>
<td>3000 mm</td>
<td>12,800</td>
<td>20,700</td>
<td>14,600</td>
</tr>
<tr>
<td>1500 mm</td>
<td>18,400</td>
<td>20,300</td>
<td>13,350</td>
</tr>
<tr>
<td>0 mm</td>
<td>22,050</td>
<td>18,550</td>
<td>13,550</td>
</tr>
<tr>
<td>0 in</td>
<td>27,050</td>
<td>21,500</td>
<td>13,200</td>
</tr>
</tbody>
</table>

*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.

**ISO 10567**

---

*Note: The table above contains important specifications for the 336D2 L Hydraulic Excavator, including mass boom lift capacities for various boom lengths and undercarriage types. The data is crucial for operators to understand the load limits and performance capabilities of the machine. Always refer to the appropriate manual for specific product information.*
### Mass Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)

<table>
<thead>
<tr>
<th>mm/Inches</th>
<th>3000/120 in</th>
<th>4500/180 in</th>
<th>6000/240 in</th>
<th>7500/300 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500 mm</td>
<td>*10 050</td>
<td>9850</td>
<td>*10 050</td>
<td>9800</td>
</tr>
<tr>
<td>6000 mm</td>
<td>*10 150</td>
<td>9750</td>
<td>*22 300</td>
<td>22,200</td>
</tr>
<tr>
<td>4500 mm</td>
<td>*14 250</td>
<td>19,125</td>
<td>*26 800</td>
<td>26,750</td>
</tr>
<tr>
<td>3000 mm</td>
<td>*36 850</td>
<td>28,200</td>
<td>*40 750</td>
<td>40,700</td>
</tr>
<tr>
<td>1500 mm</td>
<td>*12 350</td>
<td>17,950</td>
<td>*28 850</td>
<td>28,800</td>
</tr>
<tr>
<td>0 mm</td>
<td>*18 150</td>
<td>26,450</td>
<td>*39 450</td>
<td>39,400</td>
</tr>
</tbody>
</table>

*L* 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.
### Mass Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)

<table>
<thead>
<tr>
<th>Track Shoe</th>
<th>Lift Capacity</th>
<th>Lift Capacity</th>
<th>Lift Capacity</th>
<th>Lift Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500 mm/120 in</td>
<td>10 050 kg</td>
<td>10 050 lb</td>
<td>10 050 kg</td>
<td>10 050 lb</td>
</tr>
<tr>
<td>6000 mm/240 in</td>
<td>10 150 kg</td>
<td>22 150 lb</td>
<td>9950 kg</td>
<td>21 400 lb</td>
</tr>
<tr>
<td>4500 mm/300 in</td>
<td>14 250 kg</td>
<td>30 650 lb</td>
<td>11 150 kg</td>
<td>24 150 lb</td>
</tr>
<tr>
<td>3000 mm/360 in</td>
<td>36 850 kg</td>
<td>81 450 lb</td>
<td>12 400 kg</td>
<td>26 800 lb</td>
</tr>
<tr>
<td>1500 mm/420 in</td>
<td>12 350 kg</td>
<td>28 950 lb</td>
<td>12 350 kg</td>
<td>28 950 lb</td>
</tr>
<tr>
<td>600 mm/240 in</td>
<td>18 150 kg</td>
<td>39 450 lb</td>
<td>13 600 kg</td>
<td>36 850 lb</td>
</tr>
</tbody>
</table>

*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.
### 336D2 L Work Tool Offering Guide*

<table>
<thead>
<tr>
<th>Boom Type</th>
<th>HD Reach Boom</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stick Size</strong></td>
<td>HD R3.2</td>
<td>M2.55</td>
</tr>
<tr>
<td>Hydraulic Hammer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H140Es</td>
<td>H140Es</td>
</tr>
<tr>
<td></td>
<td>H160Es</td>
<td>H160Es</td>
</tr>
<tr>
<td></td>
<td>H180Es</td>
<td></td>
</tr>
<tr>
<td>Multi-Processor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP324 CC Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP324 D Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP324 P Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP324 U Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP324 S Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP324 TS Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with CC Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with CR Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with PP Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with S Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with TS Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with CC Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with CR Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with PP Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with S Jaw</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MP30 with TS Jaw</td>
<td></td>
</tr>
<tr>
<td>Crusher</td>
<td>P325</td>
<td>P335</td>
</tr>
<tr>
<td></td>
<td>P335</td>
<td></td>
</tr>
<tr>
<td>Pulverizer</td>
<td>P225</td>
<td>P325</td>
</tr>
<tr>
<td></td>
<td>P235</td>
<td></td>
</tr>
<tr>
<td>Demolition and Sorting Grapple</td>
<td>G325B</td>
<td>G330</td>
</tr>
<tr>
<td></td>
<td>G330</td>
<td></td>
</tr>
<tr>
<td>Mobile Scrap and Demolition Shear</td>
<td>S325B</td>
<td>S365C</td>
</tr>
<tr>
<td></td>
<td>S365C</td>
<td></td>
</tr>
<tr>
<td>Compactor (Vibratory Plate)</td>
<td>CVP110</td>
<td>CVP110</td>
</tr>
<tr>
<td>Contractors’ Grapple</td>
<td>G130B</td>
<td></td>
</tr>
<tr>
<td>Trash Grapple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thumbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange Peel Grapples</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rakes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dedicated Quick Coupler</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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.

---

These work tools are available for the 336D2 L. Consult your Cat dealer for proper match.
### 336D2 L Hydraulic Excavator Specifications

#### 336D2 L Bucket Specifications and Compatibility

<table>
<thead>
<tr>
<th>Linkage</th>
<th>Width</th>
<th>Capacity</th>
<th>Weight</th>
<th>Fill</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>in</td>
<td>kg</td>
<td>%</td>
</tr>
<tr>
<td>DB/TB Linkage Without Quick Coupler</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Duty (GD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB 1350 53</td>
<td>1.64</td>
<td>2.14</td>
<td>1173</td>
<td>2.585</td>
</tr>
<tr>
<td>DB 1500 60</td>
<td>1.87</td>
<td>2.44</td>
<td>1350</td>
<td>2.976</td>
</tr>
<tr>
<td>DB 1650 65</td>
<td>2.12</td>
<td>2.76</td>
<td>1352</td>
<td>2.979</td>
</tr>
<tr>
<td>TB 1500 60</td>
<td>2.14</td>
<td>2.88</td>
<td>2092</td>
<td>4.612</td>
</tr>
<tr>
<td>TB 1500 60</td>
<td>2.14</td>
<td>2.88</td>
<td>1872</td>
<td>4.126</td>
</tr>
<tr>
<td>TB 1650 66</td>
<td>2.41</td>
<td>3.16</td>
<td>2027</td>
<td>4.468</td>
</tr>
<tr>
<td>General Duty (GDC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB 750 30</td>
<td>0.94</td>
<td>1.23</td>
<td>952</td>
<td>2.099</td>
</tr>
<tr>
<td>DB 900 36</td>
<td>1.19</td>
<td>1.56</td>
<td>1040</td>
<td>2.292</td>
</tr>
<tr>
<td>DB 1050 42</td>
<td>1.46</td>
<td>1.91</td>
<td>1147</td>
<td>2.528</td>
</tr>
<tr>
<td>DB 1200 48</td>
<td>1.73</td>
<td>2.26</td>
<td>1232</td>
<td>2.716</td>
</tr>
<tr>
<td>DB 1350 54</td>
<td>2.00</td>
<td>2.62</td>
<td>1342</td>
<td>2.957</td>
</tr>
<tr>
<td>DB 1500 60</td>
<td>2.27</td>
<td>2.98</td>
<td>1451</td>
<td>3.197</td>
</tr>
<tr>
<td>DB 1650 66</td>
<td>2.55</td>
<td>3.33</td>
<td>1536</td>
<td>3.386</td>
</tr>
<tr>
<td>Heavy Duty (HD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB 750 30</td>
<td>0.73</td>
<td>0.95</td>
<td>1031</td>
<td>2.273</td>
</tr>
<tr>
<td>DB 900 36</td>
<td>0.95</td>
<td>1.24</td>
<td>1178</td>
<td>2.595</td>
</tr>
<tr>
<td>DB 1050 42</td>
<td>1.17</td>
<td>1.54</td>
<td>1267</td>
<td>2.793</td>
</tr>
<tr>
<td>DB 1200 48</td>
<td>1.40</td>
<td>1.84</td>
<td>1398</td>
<td>3.080</td>
</tr>
<tr>
<td>DB 1350 54</td>
<td>1.64</td>
<td>2.14</td>
<td>1481</td>
<td>3.285</td>
</tr>
<tr>
<td>DB 1350 54</td>
<td>1.64</td>
<td>2.14</td>
<td>1459</td>
<td>3.215</td>
</tr>
<tr>
<td>DB 1400 55</td>
<td>1.64</td>
<td>2.14</td>
<td>1460</td>
<td>3.219</td>
</tr>
<tr>
<td>DB 1500 60</td>
<td>1.88</td>
<td>2.46</td>
<td>1600</td>
<td>3.526</td>
</tr>
<tr>
<td>DB 1500 60</td>
<td>1.88</td>
<td>2.46</td>
<td>1566</td>
<td>3.452</td>
</tr>
<tr>
<td>DB 1550 61</td>
<td>1.88</td>
<td>2.46</td>
<td>1553</td>
<td>3.424</td>
</tr>
<tr>
<td>DB 1550 61</td>
<td>1.88</td>
<td>2.46</td>
<td>1585</td>
<td>3.492</td>
</tr>
<tr>
<td>DB 1650 66</td>
<td>2.12</td>
<td>2.77</td>
<td>1730</td>
<td>3.814</td>
</tr>
<tr>
<td>DB 1650 66</td>
<td>2.12</td>
<td>2.77</td>
<td>1697</td>
<td>3.740</td>
</tr>
<tr>
<td>DB 1700 67</td>
<td>2.12</td>
<td>2.77</td>
<td>1647</td>
<td>3.630</td>
</tr>
<tr>
<td>TB 1650 66</td>
<td>2.41</td>
<td>3.16</td>
<td>2210</td>
<td>4.871</td>
</tr>
<tr>
<td>TB 1650 66</td>
<td>2.41</td>
<td>3.16</td>
<td>2259</td>
<td>4.979</td>
</tr>
<tr>
<td>TB 1750 70</td>
<td>2.60</td>
<td>3.40</td>
<td>2240</td>
<td>4.936</td>
</tr>
<tr>
<td>Maximum load pin-on (payload + bucket)</td>
<td>kg</td>
<td>4510</td>
<td>4699</td>
<td>6073</td>
</tr>
<tr>
<td></td>
<td>lb</td>
<td>9,940</td>
<td>10,357</td>
<td>13,385</td>
</tr>
</tbody>
</table>

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 General Duty tips.

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar’s recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.
336D2 L Bucket Specifications and Compatibility

<table>
<thead>
<tr>
<th>Linkage</th>
<th>Width</th>
<th>Capacity</th>
<th>Weight</th>
<th>Fill</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>in</td>
<td>m³</td>
<td>yd³</td>
</tr>
<tr>
<td></td>
<td>kg</td>
<td>lb</td>
<td>%</td>
<td></td>
</tr>
<tr>
<td>DB/750 1050</td>
<td>54</td>
<td>1.64</td>
<td>2.14</td>
<td>1599</td>
</tr>
<tr>
<td>DB/750 1200</td>
<td>56</td>
<td>1.64</td>
<td>2.14</td>
<td>1643</td>
</tr>
<tr>
<td>DB/750 1550</td>
<td>62</td>
<td>1.88</td>
<td>2.46</td>
<td>1787</td>
</tr>
<tr>
<td>DB/750 1650</td>
<td>66</td>
<td>2.12</td>
<td>2.80</td>
<td>1827</td>
</tr>
<tr>
<td>TB/1350 1200</td>
<td>54</td>
<td>1.64</td>
<td>2.14</td>
<td>1599</td>
</tr>
<tr>
<td>TB/1350 1400</td>
<td>56</td>
<td>1.64</td>
<td>2.14</td>
<td>1643</td>
</tr>
<tr>
<td>TB/1350 1550</td>
<td>62</td>
<td>1.88</td>
<td>2.46</td>
<td>1787</td>
</tr>
<tr>
<td>TB/1350 1650</td>
<td>66</td>
<td>2.12</td>
<td>2.80</td>
<td>1827</td>
</tr>
<tr>
<td>TB/1350 1700</td>
<td>67</td>
<td>2.41</td>
<td>3.16</td>
<td>2409</td>
</tr>
<tr>
<td>TB/1350 1750</td>
<td>69</td>
<td>2.40</td>
<td>3.14</td>
<td>2454</td>
</tr>
<tr>
<td>TB/1350 1900</td>
<td>75</td>
<td>2.78</td>
<td>3.64</td>
<td>2750</td>
</tr>
<tr>
<td>TB/1350 1900</td>
<td>75</td>
<td>2.78</td>
<td>3.64</td>
<td>2716</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Linkage</th>
<th>Width</th>
<th>Capacity</th>
<th>Weight</th>
<th>Fill</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>in</td>
<td>m³</td>
<td>yd³</td>
</tr>
<tr>
<td></td>
<td>kg</td>
<td>lb</td>
<td>%</td>
<td></td>
</tr>
<tr>
<td>DB/900 1050</td>
<td>54</td>
<td>1.64</td>
<td>2.14</td>
<td>1599</td>
</tr>
<tr>
<td>DB/900 1200</td>
<td>56</td>
<td>1.64</td>
<td>2.14</td>
<td>1643</td>
</tr>
<tr>
<td>DB/900 1550</td>
<td>62</td>
<td>1.88</td>
<td>2.46</td>
<td>1787</td>
</tr>
<tr>
<td>DB/900 1650</td>
<td>66</td>
<td>2.12</td>
<td>2.80</td>
<td>1827</td>
</tr>
<tr>
<td>TB/1350 1200</td>
<td>54</td>
<td>1.64</td>
<td>2.14</td>
<td>1599</td>
</tr>
<tr>
<td>TB/1350 1400</td>
<td>56</td>
<td>1.64</td>
<td>2.14</td>
<td>1643</td>
</tr>
<tr>
<td>TB/1350 1550</td>
<td>62</td>
<td>1.88</td>
<td>2.46</td>
<td>1787</td>
</tr>
<tr>
<td>TB/1350 1650</td>
<td>66</td>
<td>2.12</td>
<td>2.80</td>
<td>1827</td>
</tr>
<tr>
<td>TB/1350 1700</td>
<td>67</td>
<td>2.41</td>
<td>3.16</td>
<td>2409</td>
</tr>
<tr>
<td>TB/1350 1750</td>
<td>69</td>
<td>2.40</td>
<td>3.14</td>
<td>2454</td>
</tr>
<tr>
<td>TB/1350 1900</td>
<td>75</td>
<td>2.78</td>
<td>3.64</td>
<td>2750</td>
</tr>
<tr>
<td>TB/1350 1900</td>
<td>75</td>
<td>2.78</td>
<td>3.64</td>
<td>2716</td>
</tr>
</tbody>
</table>

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 General Duty tips.

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

Maximum Material Density:
- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- 900 kg/m³ (1,500 lb/yd³)
### 336D2 L Bucket Specifications and Compatibility

<table>
<thead>
<tr>
<th>Linkage</th>
<th>Width</th>
<th>Capacity</th>
<th>Weight</th>
<th>Fill</th>
<th>HD Reach Boom</th>
<th>Mass Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>in</td>
<td>m³</td>
<td>yd³</td>
<td>6.5 m (21'4&quot;)</td>
<td>6.18 m (20'3&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>kg</td>
<td>lb</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HD R3.2 (10'6&quot;)</td>
<td>R3.2 (10'6&quot;)</td>
<td>M2.15 (7'1&quot;)</td>
<td>M2.55 (8'4&quot;)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>600 mm (24&quot;) TG</td>
<td>600 mm (24&quot;) TG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>600 mm (24&quot;) TG</td>
<td>600 mm (24&quot;) TG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With Quick Coupler (CW45, CW45s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Duty (GD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB 1050</td>
<td>41</td>
<td>1.17</td>
<td>1.53</td>
<td>986</td>
<td>2,172</td>
<td>100%</td>
</tr>
<tr>
<td>DB 1200</td>
<td>47</td>
<td>1.40</td>
<td>1.83</td>
<td>1064</td>
<td>2,345</td>
<td>100%</td>
</tr>
<tr>
<td>DB 1350</td>
<td>53</td>
<td>1.64</td>
<td>2.14</td>
<td>1143</td>
<td>2,519</td>
<td>100%</td>
</tr>
<tr>
<td>DB 1500</td>
<td>59</td>
<td>1.87</td>
<td>2.45</td>
<td>1245</td>
<td>2,745</td>
<td>100%</td>
</tr>
<tr>
<td>DB 1650</td>
<td>65</td>
<td>2.11</td>
<td>2.76</td>
<td>1324</td>
<td>2,918</td>
<td>100%</td>
</tr>
<tr>
<td>Heavy Duty (HD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB 1350</td>
<td>54</td>
<td>1.64</td>
<td>2.14</td>
<td>1417</td>
<td>3,122</td>
<td>100%</td>
</tr>
<tr>
<td>DB 1500</td>
<td>60</td>
<td>1.88</td>
<td>2.46</td>
<td>1514</td>
<td>3,337</td>
<td>100%</td>
</tr>
<tr>
<td>DB 1650</td>
<td>66</td>
<td>2.14</td>
<td>2.80</td>
<td>1647</td>
<td>3,629</td>
<td>100%</td>
</tr>
<tr>
<td>Severe Duty (SD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB 1050</td>
<td>42</td>
<td>1.17</td>
<td>1.54</td>
<td>1272</td>
<td>2,803</td>
<td>90%</td>
</tr>
<tr>
<td>DB 1650</td>
<td>66</td>
<td>2.14</td>
<td>2.80</td>
<td>1802</td>
<td>3,971</td>
<td>90%</td>
</tr>
<tr>
<td>TB 1350</td>
<td>54</td>
<td>1.87</td>
<td>2.44</td>
<td>1974</td>
<td>4,351</td>
<td>90%</td>
</tr>
<tr>
<td>TB 1650</td>
<td>66</td>
<td>2.41</td>
<td>3.16</td>
<td>2295</td>
<td>5,058</td>
<td>90%</td>
</tr>
</tbody>
</table>

Maximum load with coupler (payload + bucket)

<table>
<thead>
<tr>
<th>kg</th>
<th>4020</th>
<th>4209</th>
<th>5583</th>
<th>4992</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb</td>
<td>8,860</td>
<td>9,277</td>
<td>12,305</td>
<td>11,002</td>
</tr>
</tbody>
</table>

**Maximum Material Density:**
- ⬤ 2100 kg/m³ (3,500 lb/yd³)
- ⬤ 1800 kg/m³ (3,000 lb/yd³)
- ⬤ 1500 kg/m³ (2,500 lb/yd³)
- ⬤ 1200 kg/m³ (2,000 lb/yd³)
- ⬤ 900 kg/m³ (1,500 lb/yd³)

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 General Duty tips.

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

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

ENGINE
- Cat C9 ACERT engine
- Meets Tier 3/Stage IIIA equivalent and Brazil MAR-1 emission standards
- 2300 m (7,546 ft) altitude capability
- Radial seal air filters (primary and secondary filter)
- Automatic engine speed control with one touch low idle
- High ambient cooling package 48º C (118º F)
- Water separator with water level indicator sensor
- Waved fin radiator with space for cleaning
- Two-speed travel
- Electric priming pump
- Fuel pressure differential gauge
- Air prefilter

HYDRAULIC SYSTEM
- Regeneration circuits for boom and stick
- Auxiliary hydraulic valve
- Reverse swing damping valve
- Automatic swing parking brake
- Boom drift reducing valve
- Boom lowering device for back-up
- Stick drift reducing valve
- Straight travel hydraulic circuit
- High performance hydraulic return filters

CAB
- ROPS (Roll Over Protective Structure) cab
- Adjustable armrest
- Retractable seat belt (51 mm [2 in] width)
- 70/30 split front windshield
- Laminated upper front windshield and tempered other windows
- Sliding upper door window
- Openable front windshield with assist device
- Windshield wiper and washer
- Bi-level air conditioner (automatic) with defroster (pressurized function)
- Color LCD display with warning, filter/fluid change, and working hour information
- Control lever joysticks
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- AM/FM radio
- 12V – 2× maximum 10A power supply
- Two stereo speakers
- Beverage holder
- Coat hook
- Openable roof hatch
- Washable floor mat
- Sunscreen

UNDERCARRIAGE
- Idler and center section track guiding guard
- Towing eye on base frame
- Grease lubricated track
- Swivel guard
- Heavy Duty travel motor guard

ELECTRICAL
- Batteries (×2)
- 65 amp alternator

LIGHTS
- Working lights, on cab, boom and storage box
- Interior lighting

SAFETY AND SECURITY
- Cat one key security system
- Door and compartment locks
- Signaling/warning horn
- Rearview mirrors
- Fire wall between engine and pump compartment
- Emergency engine shutoff switch
- Emergency exit rear window
- Battery disconnect switch
- Bolt-on FOGS capability

COUNTERWEIGHT
- 6.0 mt (6.6 t) counterweight

TECHNOLOGY
- Cat Electronic Technician data link
- Cat Product Link™
- Rearview camera
Optional Equipment

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

**FRONT PARTS**
- Heavy duty Reach boom – 6.5 m (21'4")
  - R3.2DB stick
  - R3.2DB HD stick
- Mass Excavation boom – 6.18 m (20'3")
  - M2.55TB stick
  - M2.15TB stick
- Bucket linkage
  - DB bucket linkage (with/without lifting eye)
  - TB bucket linkage (with/without lifting eye)
- CW dedicated quick coupler

**UNDERCARRIAGE**
- Heavy duty bottom guard
- Heavy duty swivel guard
- Full length track guiding guard
- FOGS (bolt-on)
- 600 mm, 700 mm, 800 mm (24 in, 28 in, 32 in) Triple Grouser tracks
- 600 mm Double Grouser HD tracks

**HYDRAULICS**
- Boom and stick high pressure lines
- Boom and stick medium pressure lines
- Boom, stick and bucket quick coupler lines
- Quick coupler circuit
- Bio-oil capability
- Control pattern quick changer

**CAB**
- Mechanical suspension seat, with head rest
- Air suspension seat, with head rest and seat heater
- Lunch box with cover

**OTHER OPTIONAL EQUIPMENT**
- Travel alarm
- Starting kit, cold weather, –32° C (–26° F)
- Electric refueling pump with auto shut off
- Jump start
- Cold start package

**INTEGRATED TECHNOLOGIES**
- Rearview camera