325D FM

Forest Machine





| Engine | | |
|-----------------------|--------------|-----------|
| Engine Model | Cat® C7 ACER | Ттм |
| Net Flywheel Power | 152 kW | 204 hp |
| Weights | | |
| General Forestry (HW) | 36 952 kg | 81,466 lb |
| Log Loader (U/U) | 41 430 kg | 91,338 lb |
| Log Loader (0/U) | 41 834 kg | 92,229 lb |

Operating weight with front linkage, without bucket or grapple.

325D FM Forest Machine

The D Series incorporates innovations for improved performance, rugged durability and maximum productivity.

Power Train

Versatility

The Cat® C7 with ACERT™ Technology gives the 325D FM exceptional power and fuel efficiency unmatched in the industry. The C7 meets U.S. EPA emissions requirements. **pg. 4**

Designed and purpose-built to meet

325D FM can help improve productivity

diverse forestry applications, the

in various forestry and millyard

Hydraulics

Forest Machine hydraulic systems are designed to provide reliability, outstanding controllability and proven performance in various forestry applications. **pg. 5**

Cat® Grapples

Cat® Log Loading Grapples combined with Cat Forest Machines make the 325D FM flexible, versatile and efficient, allowing you to maximize productivity on your forestry job. pg. 12

Operator Comfort

Spacious purpose built forestry cab with excellent sightlines to the work area with 8 lights and all scratch resistant polycarbonate windows. Certified FOPS to ISO 8084 and SAE 1084, certified OPS to ISO 8083 and SAE J231, certified FOGS to SAE J1356, certified ROPS to ISO 3471:1997 Table 1, Section 1, certified TOPS to OR-OSHA code 437-007-0775 TOPS and WCBG602/G603/G604/G608 compliant. **pg. 6**

Customer Focus

applications. pg. 11

Down time is minimized by the utilization of a worldwide computer network that can help find in-stock parts and minimize your down time. Your Cat dealer can also offer a wide range of other services that can be set up to meet your equipment needs. The dealer will help choose the plan that can cover everything from machine and attachment selection to replacement. **pg. 15**



Structures

Purpose-built carbody design uses the most advanced manufacturing processes, ensuring durability and reliability in the most rugged forestry applications. pg. 8

Guarding

Factory forestry cab guarding, shoe support guards and heavy-duty access doors help extend component life, reduces downtime and helps to protect your forestry machine investment. **pg. 9**

Undercarriage

Heavy Duty link assemblies provide toughness and durability. The FM track will maximize undercarriage life and minimize operating costs. **pg. 10**

Owning and Operating Costs

Proven fuel efficiency combined with easier access and extended service intervals maximize uptime, reduce operating costs and maximize productivity. pg. 13

Serviceability

The new FM cooling package provides easy access to all radiator cores for faster cleanouts. Regularly scheduled maintenance extends machine service life and lowers overall operating costs. pg. 14



Power Train

The Cat® C7 has exceptional power and fuel efficiency unmatched in the industry for consistently high performance in both forestry and millyard applications.



Cat C7 ACERTTM. The Cat® C7 with ACERTTM Technology gives the 325D FM exceptional power and fuel efficiency unmatched in the industry, and provides high performance in all forestry applications. The C7 meets U.S. EPA emissions requirements.

Performance. The 325D FM is equipped with the C7 ACERT engine, which provides 12% more horsepower as compared to the previous 3126B ATAAC HEUI engine.

Automatic Engine Speed Control.

The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.

ADEM™ A4 Engine Controller.

The ADEM A4 electronic control module manages fuel delivery to get the best performance per liter of fuel used. The engine management system provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs. It tracks engine and machine conditions while keeping the engine operating at peak efficiency.

Electronic Control Module.

The Electronic Control Module (ECM) works as the "brain" of the engine's control system, responding quickly to operating variables to maximize engine efficiency. Fully integrated with sensors in the engine's fuel, air, coolant, and exhaust systems, the ECM stores and relays information on conditions such as RPM, fuel consumption, and diagnostic information.

Fuel Delivery. The Cat C7 ACERT features electronic controls that govern the fuel injection system. Multiple injection fuel delivery involves a high degree of precision. Precisely shaping the combustion cycle lowers combustion chamber temperatures, generating fewer emissions and optimizing fuel combustion. This translates into more work output for your fuel cost.

Cooling System. The cooling fan is directly driven from the engine. An optional programmable reversible fan allows for radiator blowout, to increase service intervals and to maintain engine operational temperatures. The optimum fan speed is calculated based on the target engine speed, coolant temperature and hydraulic oil temperature. The Cat C7 ACERT delivered a completely new layout that separates the cooling system from the engine compartment.

Air Cleaner. The radial seal air filter features a double-layered filter core for more efficient filtration and is located in a compartment behind the cab. A warning is displayed on the monitor when dust accumulates above a preset level.

Noise Reduction Technologies.

The engine mounts are rubber-isolating mounts matched with the engine package. Further noise reduction has been achieved through design changes to the isolated top cover, oil pan, multiple injection strategy, insulated timing cover, sculpted crankcase and gear train refinements.

Hydraulics

Cat® hydraulics provide the power and control needed for a variety of applications.

Component Layout. The 325D FM 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 that reduce friction loss and pressure drops in the lines. The layout further provides greater operator comfort by placing the radiator on the cab side of the upper structure.

This allows incoming air to enter the engine compartment from the operator side and hot air and corresponding engine sound to exit on the opposite side away from the operator. This reduces engine compartment heat and sound being transmitted to the operator.



Pilot System. The pilot pump is independent from the main pumps and controls the front linkage, swing and travel valve functions.



Hydraulic Cross Sensing System.

The hydraulic cross sensing system improves productivity with faster implement speeds and quicker, stronger pivot turns.

Boom and Stick Regeneration Circuit.

Boom and stick regeneration circuit saves energy during boom-down and stick-in operation which increases efficiency, reduces cycle times and pressure loss for higher productivity, lower operating costs and increased fuel efficiency.

Fine Swing Control. Standard fine swing control cushions start and stop for better implement control.

Controllability. The hydraulic system offers precise control to the 325D FM reducing operator fatigue, improving operator effectiveness and efficiency, which ultimately translates into enhanced performance.

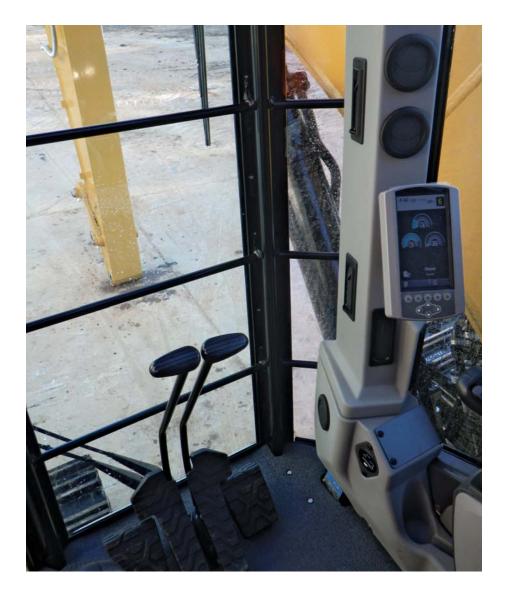
Auxiliary Hydraulic Valve. The auxiliary valve is standard on the 325D FM. Control Circuits are available as attachments, allowing for operation of high and medium pressure tools such as grapples.

Hydraulic Cylinder Snubbers.

Snubbers are located at the rod-end of the boom cylinders and both ends of the stick cylinders to cushion shocks, reduce sound and increase cylinder life, increasing uptime and productivity.

Operator Comfort

The purpose built forestry cab interior layout maximizes operator space, provides exceptional comfort, provides excellent sightlines and reduces operator fatigue.



Climate Control. Positive filtered ventilation, a pressurized cab with bi-level air conditioner, heater and defroster keep operator comfortable in all types of weather conditions. Cab also features a forced air fan and a large fresh air window.

Monitor. The monitor is a full color 400×234 pixels Liquid Crystal Display (LCD) graphic display. The monitor angle can be adjusted to minimize sun glare and has the capability of displaying information in 27 different languages.



Operator Station. The workstation is spacious, quiet and comfortable, assuring high productivity during a long work day. Controls, joysticks and an ergonomically designed seat reduce operator fatigue.

Pre-Start Check. Prior to starting the machine, the system will check for low fluid levels for the engine oil, hydraulic oil and engine coolant and warn the operator through the monitor in the event display area.

Gauge Display. Three analog gauges, fuel level, hydraulic oil temperature and coolant temperature, are displayed in this area.

Event Display. Machine information is displayed in this area with the icon and language.

Multi-Information Display. This area is reserved for displaying various information which is convenient for the operator. The "Cat" logo is displayed when no information is available to be displayed.



Seat. An air ride seat provides a variety of adjustments to suit the operator's size and weight including fore/aft, height and weight. Wide adjustable armrests and a retractable seat belt are also included.



Joystick Control. Joystick controls have low lever effort and are designed to match the operator's natural wrist and arm position. The operator can operate joystick controls with an arm on the armrest and the horizontal and vertical strokes have been designed to reduce operator fatigue. Exclusive proportional control and push buttons are programmable to operator personal preferences, allowing maximum productivity.

Hydraulic Activation Control Lever. For added safety, this lever must be in the operate position to activate the machine control functions.



Console. Consoles feature a simple, functional design to reduce operator fatigue, ease of switch operation and excellent visibility.



Skylight. An enlarged skylight with sunshade provides excellent upwards visibility.



Viewing. Cab design optimizes post structures, and scratch-resistant polycarbonate window placement to provide excellent operator visibility to front, sides and rear. Forestry cab is designed with heavy-duty guarding, meeting all ROPS/FOPS/OPS/FOGS/TOPS and CB requirements. Windshield wipers are standard equipment on the FM cab.

Structures

Purpose-built forest applications with reinforced carbody, rugged swing bearing, heavy doors and extra guarding.



Rugged main frame design maximizes durability.

- Outer frame utilizes curved side rails, which are di-formed for excellent uniformity and strength.
- Box-section channels improve upper frame rigidity under the cab.
- Inverted U-channels span the width of the main frame and are formed, rather than fabricated, for superior strength and reduced weight.
- Boom tower and main rails are constructed of solid, high-tensile strength, steel plates.

- Swing drive area is reinforced into the main frame rails supporting high stress loads such as those encountered in shovel logging applications.
- Boom foot and engine mount areas are reinforced for additional strength.
- Sheet metal supporting structure is improved by integrating the mounting into the upper frame structure.

Carbody Design. Advanced, reinforced, purpose-built carbody design stands up in the toughest forest applications.

Carbody Structure. Wide, tall, and thick carbody structure provides operating stability and durability while improving operation's effectiveness.

- Upper structure weight and stresses are distributed evenly across the full length of the track roller frame.
- Smooth transitions and long welds help reduce stresses at the carbodyto-roller frame junctions for excellent durability.
- Robot welding helps ensure consistent, high-quality welds throughout the manufacturing process.

Guarding

Cat guarding protects your forestry machine investment.





Shoe Support Guards. Standard full length track shoe support guards help protect rollers and provide increased rigidity to track links in rough underfoot conditions.

Stick Cylinder Guard. Optional HD stick cylinder guard provides protection from trees and debris for hydraulic lines, fittings and cylinder components.

Factory Forestry Cab. Caterpillar factory forestry designed and built ROPS/FOPS cab has options for windshield guard and window guards to meet local guarding requirements. The right side and rear windows are made from impact resistant polycarbonate.

Right Front Corner Guard. New improved right front corner guard has added tree deflector arm providing increased protection to machine from debris and falling trees or limbs. Arm is rotatable to allow transport position.

Heavy-Duty Access Doors. Heavy-duty access doors are standard on the 325D FM and are made from 6 mm (0.24 in), high-strength, low alloy steel. Positive locking latch stays closed in forestry applications. Hinges have larger diameter pins over standard doors. The smooth door profile enhances machine appearance.



Undercarriage

Durable undercarriage absorbs stresses and provides excellent stability.



2) Greased Pin and Larger Bushing Combined.

- Extends system life
- Reduces sprocket wear because the system stays matched longer
- Improves balance in component wear life

3) Unique Pin Retention System.

Locks the pin to the link

Final Drives. New larger GFT80 final drives provide increased drawbar improving machine agility and increasing productivity.

Heavy-Duty Top Rollers. Track rollers with dual supports replace standard single post mounted carrier rollers to assure superior endurance.



Heavy-Duty Track Rollers. Nine heavy-duty track rollers per side stand up to the toughest forest applications. Features include greater sealability, higher resistance to deformation and greater load carrying capacity.

Heavy-Duty Grease Lubricated Track.

The 325D FM undercarriage has been up sized to 345 HD Track Link with 216 mm (8.5 inch) pitch and 9 bottom rollers components as standard equipment. Larger undercarriage components provide extended service life and reduced operating costs.

1) Grease Lubricated Track.

- Extends internal bushing wear life
- Reduces noise
- Provides more usable horsepower because of decreased internal friction
- Reduces chance for frozen track joints

Versatility

A wide selection of Forest Machine configurations meet diverse forestry applications and improve your productivity.



The Cat Log Loader is "Purpose Built" for Forest Applications. Completely assembled, heel-type log loaders linkage (including grapple) are available from the factory. These are well suited to loading, shovel logging and millyard applications.



Cat Roadbuilders. The General Forestry model can be equipped with buckets, thumbs, clamshells and clearing grapples to fit a wide range of forest road building jobs.

Applications Include. Moving rightof-way logs, stumping, pioneering, stripping organic material, excavating shot rock, truck loading, back sloping, ditching, finish grading and slash piling.





Butt-N-Top. The 325D FM can be shipped from the factory with an optional hydraulic arrangement and controls for AEM Butt-N-Top grapple installation, and an 11.3 m (37 ft) front.



Less-Off Cab. A version of the 325D FM Log Loader is available less-off the cab to allow various AEM cabs to be installed by the dealer to meet regional customer needs.

Cat Grapples

Cat Forest Machines combined with Cat Log Loading Grapples mean optimal performance, reliability and on-the-job productivity.



Cat 360 Degree Continuous Rotating Log Loader Grapples. For Forestry Machines are high capacity tools, built for endurance in high-volume logging applications. GLL grapple legs are made of high-strength alloy steel with unique leg profiles for maximum performance in picking/sorting, bunching/loading or shoveling applications. Large bunches of stems or single large logs are easily handled by the wide grapple opening 1524 mm (60 inch) GLL60B, while interlocking legs close down to 127 mm (5 inch) for picking and sorting. Cat grapples have bolt-on access panels allowing for easy serviceability and are backed by the world-class Cat dealer network.

360-Degree Continuous Rotation.

High torque hydraulic motor positions the grapple precisely for rapid sorting and loading.

Hydraulic Cylinders. Heavy-duty wall construction delivers durability and maximum closing power move the maximum amount of wood per pass.

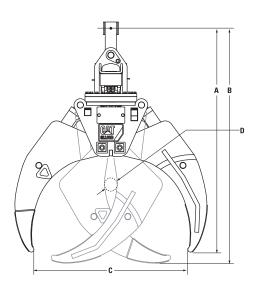
Legs. Built with high-strength alloy steel for maximum durability. Optimized profile performs equally well whether sorting, bunching or shoveling.

Pin. Induction-hardened alloy pins float, decreasing wear.

Serviceability. Bolt-on access panels protect the grapples internal components, while providing easy access. Long service intervals and infield servicing result in more uptime and lower operating costs.

GLL Specifications/Dimensions

| | | GLL52B | GLL55B | GLL60B |
|---|--------------------------|------------|------------|------------|
| | Weight (kg/lb) | 1255/2,767 | 1291/2,840 | 1344/2,965 |
| | Width (mm/in) | 521/20.5 | 521/20.5 | 521/20.5 |
| A | Height, open (mm/in) | 2134/84 | 2184/86 | 2261/89 |
| В | Height, closed (mm/in) | 2159/85 | 2210/87 | 2286/90 |
| C | Maximum Opening (mm/in) | 1321/52 | 1397/55 | 1524/60 |
| D | Minimum Opening (mm/in) | 127/5 | 127/5 | 127/5 |
| | Rotation, continuous | 360° | 360° | 360° |
| | Rotation torque | | | |
| | at 1,200 psi (N·m/ft lb) | 1153/850 | 1153/850 | 1153/850 |



Matching Guide

| | GLL52B | GLL55B | GLL60B | |
|--------|--------|--------|--------|--|
| 320 FM | • | 0 | | |
| 324 FM | • | • | | |
| 325 FM | 0 | • | • | |
| 330 FM | 0 | | • | |

- Provides optimum machine match.
- O Provides acceptable machine match.

Owning and Operating Costs

Cat Forest Machines provide the best value for your forestry and millyard applications.



ACERT™ Technology Fuel Economy.

Based on Caterpillar testing, the fuel economy of Cat engines with ACERT technology is 3 to 5 percent better than current competing technologies. This fuel economy is directly related to the complete combustion of fuel due to the integration between the electronic control that monitors conditions, the air management system that controls air volume and the fuel injection system that delivers just the right amount of fuel as needed.

Radiator Compartment. The radial air filter has a double layered filter core for more efficient filtration and is located in a compartment behind the cab. Easy access doors allows for easy, faster cleanout minimizing down time. Heavy-duty screens assembled on the door keep debris away from the radiator compartment, extending service intervals.

Serviceability

Simplified service and maintenance features save you time and money.



Ground Level Service. The design and layout of the 325D FM was made with the service technician in mind. Many service locations are easily accessible at ground level allowing critical maintenance to get done quickly and efficiently.

Air Filter Compartment. The air filter features a double-element construction for superior cleaning efficiency. When the air cleaner plugs, a warning is displayed on the monitor screen inside the cab.

Pump Compartment. A service door on the right side of the upper structure allows ground-level access to the pump and pilot filter.

Radiator Compartment. The left rear service door allows easy access to the engine radiator, oil cooler and air-to air aftercooler. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

Grease Lubricated Track.

Grease lubricated seals protect the track link and deliver long track pin and bushing inner wear life.



Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. This filter prevents contaminants from entering the system when hydraulic oil is changed and keeps the operation clean.

Fan Guard. Engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.

Anti-Skid Plate. New improved anti-skid material increases grip in wet, icy or muddy conditions. Anti-skid plate covers top of storage box and upper structure to prevent slipping during maintenance.

Customer Focus

Cat dealer services help you operate longer with lower costs.

Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine down time. Save money with remanufactured components.

Machine Selection. Make detailed comparisons of the machines you are considering before you buy. What are the job requirements, machine attachments and operating hours? What production is needed? Your Cat dealer can provide recommendations.

Customer Support Agreements.

Cat dealers offer a variety of product support agreements, and work with customers to develop a plan the best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer's investment.



Operation. Improving operating techniques can boost your profits. Your Cat dealer has videotapes, literature and other ideas to help you increase productivity, and Caterpillar offers certified operator training classes to help maximize the return on your investment.



Maintenance Services. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as Scheduled Oil Sampling, Coolant Sampling and Technical Analysis help you avoid unscheduled repairs. Replacement. Repair, rebuild, or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Engine

| Engine Model | Cat® C7 ACEF | RT™ |
|--------------------|--------------|---------------------|
| Net Flywheel Power | 152 kW | 204 hp |
| ISO 9249 | 152 kW | 204 hp |
| J1349 | 152 kW | 204 hp |
| EEC 80/1269 | 152 kW | 204 hp |
| Bore | 110 mm | 4.3 in |
| Stroke | 127 mm | 5 in |
| Displacement | 7.2 L | 440 in ³ |

- The 325D FM meets U.S. EPA emissions requirements.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- No engine derating required below 2300 m (7,500 ft) altitude.

Weights

| General Forestry (HW) | 36 952 kg | 81,466 lb |
|-----------------------|-----------|-----------|
| Log Loader (U/U) | 41 430 kg | 91,338 lb |
| Log Loader (O/U) | 41 834 kg | 92,229 lb |

• Operating weight with front linkage, without bucket or grapple.

Service Refill Capacities

| 520 L | 137.4 gal |
|--------|--|
| 410 L | 108.3 gal |
| | |
| 490 L | 129.5 gal |
| | |
| 1420 L | 375.2 gal |
| | |
| 30 L | 7.9 gal |
| 34 L | 9 gal |
| 10 L | 2.6 gal |
| 260 L | 68.7 gal |
| 145 L | 38 gal |
| 8 L | 2 gal |
| | 410 L 490 L 1420 L 30 L 34 L 10 L 260 L 145 L |

Drive

| Maximum Drawbar Pull | 317 kN | 71,264 lb |
|----------------------|----------|-----------|
| Maximum Travel Speed | 4.8 km/h | 3 mph |

Hydraulic System

| Main Implement System – | 235 L/min | 62.1 gal/min |
|---------------------------------|------------|--------------|
| Maximum Flow (2x) | | 3 / |
| IVIGATITICATI I TOVV (ZA) | | |
| Max. pressure – Implements | 35 000 kPa | 5,075 psi |
| Max. pressure – Travel | 35 000 kPa | 5,075 psi |
| Max. pressure – Swing | 27 500 kPa | 3,988 psi |
| Pilot System – Maximum flow | 36 L/min | 9.5 gal/min |
| Pilot System – Maximum pressure | 4120 kPa | 597 psi |
| Boom Cylinder – Bore | 140 mm | 5.5 in |
| Boom Cylinder – Stroke | 1407 mm | 55.4 in |
| Stick Cylinder – Bore | 150 mm | 5.9 in |
| Stick Cylinder – Stroke | 1646 mm | 64.8 in |

Log Loader Linkage

| Boom Cylinder – Bore | 150 mm | 5.9 in |
|------------------------------------|---------|---------|
| Boom Cylinder – Stroke | 1400 mm | 55.1 in |
| Stick Cylinder – Bore | 180 mm | 7.1 in |
| Stick Cylinder – Stroke | 1650 mm | 65 in |
| Under/Under Heel Cylinder – Bore | 150 mm | 5.9 in |
| Under/Under Heel Cylinder – Stroke | 1155 mm | 45.5 in |
| Over/Under Heel Cylinder – Bore | 160 mm | 6.3 in |
| Over/Under Heel Cylinder – Stroke | 1465 mm | 57.7 in |

Swing Mechanism

| Swing Torque – General Forestry | 86.3 kN·m | 63,664 lb ft |
|---------------------------------|-----------|--------------|
| Swing Speed – General Forestry | 10 rpm | |

Excavator Linkage

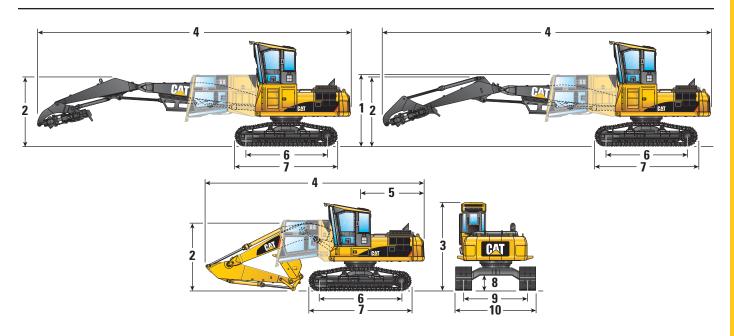
| CB2 Family Bucket Cylinder — Bore | 135 mm | 5.3 in | |
|-------------------------------------|---------|---------|--|
| CB2 Family Bucket Cylinder – Stroke | 1156 mm | 45.5 in | |

Standards

| Brakes | SAE J1026 APR90 |
|-----------------------------|-----------------------|
| Cab ROPS/FOGS/OPS/TOPS/FOPS | SAE J1356 FEB88 |
| | SAE J1084/ISO 8084/ |
| | ROPS: ISO 3471:1997 |
| | Table 1, Section 1/ |
| | OR-OSHA 437-007-0775/ |
| | WCB G602, G603, G604, |
| | G608 |

Dimensions

All dimensions are approximate.



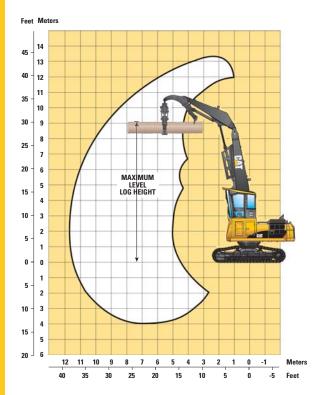
| 325 | D FM General Forestry | HW GF |
|-----|--|-------------------|
| 1 | Shipping height. (All risers with cab tilted) | 3340 mm (11'0") |
| 2 | Boom height | 3310 mm (10'10") |
| 3 | Overall height | 4180 mm (13'9") |
| 4 | Shipping length | 10 260 mm (33'8") |
| 5 | Tail swing radius | 3020 mm (9'11") |
| 6 | Length to centers of rollers | 4020 mm (13'2") |
| 7 | Track length | 5060 mm (16'7") |
| 8 | Ground clearance | 760 mm (2'6") |
| 9 | Track gauge | 2920 mm (9'7") |
| 10 | Transport width with 700 mm (27.5") shoes (DG) | 3620 mm (11'11") |

| 325 | D FM Log Loaders | Under/Under | Over/Under |
|-----|--|-------------------|-------------------|
| 1 | Shipping height. (All risers with cab tilted) | 3340 mm (10'10") | 3340 mm (10'10") |
| 2 | Boom height | 2760 mm (9'1") | 2740 mm (9'0") |
| 3 | Overall height | 4950 mm (16'3") | 4950 mm (16'3") |
| 4 | Shipping length | 14 840 mm (48'8") | 15 720 mm (51'7") |
| 5 | Tail swing radius | 3020 mm (9'11") | 3020 mm (9'11") |
| 6 | Length to centers of rollers | 4020 mm (13'2") | 4020 mm (13'2") |
| 7 | Track length | 5060 mm (16'7") | 5060 mm (16'7") |
| 8 | Ground clearance | 760 mm (2'6") | 760 mm (2'6") |
| 9 | Track gauge | 2920 mm (9'7") | 2920 mm (9'7") |
| 10 | Transport width with 700 mm (27.5") shoes (DG) | 3620 mm (11'11") | 3620 mm (11'11") |

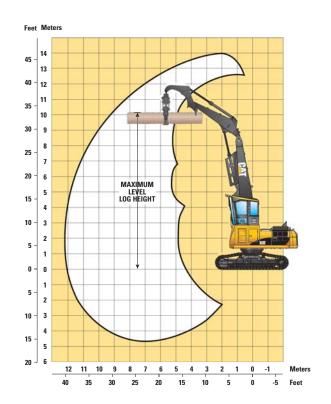
325D FM Working Ranges

Log Loader (Under/Under, Over/Under), and General Forestry Reach ranges

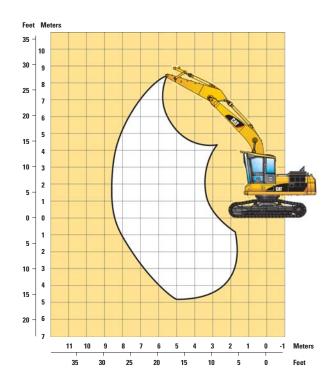
Heel Boom (Under/Under)



Heel Boom (Over/Under)



General Forestry HW U/C, 5.9 m (19'4") Boom with 2.95S Stick



325D FM LL Heel Boom Under/Under Lift Capacities

CONFIGURATION - 12.2 m (40') Boom/Stick/Heel Linkage

SH0ES - 700 mm (28") Double Grouser

| Load | Load | | 4.5 m/15.0 ft | | 6.0 m/20.0 ft | | 7.5 m/25.0 ft | | 9.0 m/30.0 ft | | 10.5 m/35.0 ft | | 40.0 ft | Load at Maximum Reach | | า |
|---------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|---------------|--------------|--------------------------|------------------------|-----------------------|
| Point Height | | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | m ft |
| 10.5 m 35.0 ft | kg lb | | | *10 550 *23,150 | *10 550 *23,150 | *9400 *20,650 | 8450 18,000 | | | | | | | *7850 *17,600 | 6100 13,850 | 8.86 28.53 |
| 9.0 m 30.0 ft | kg lb | | | *10 300 *22,500 | *10 300 *22,500 | *9150 *20,000 | 8550 18,350 | *8250 *18,000 | 6200 13,250 | | | | | *6950 *15,500 | 4900 11,000 | 10.08 32.73 |
| 7.5 m 25.0 ft | kg lb | | | *10 500 *22,850 | *10 500 *22,850 | *9250 *20,100 | 8550 18,300 | *8200 *17,850 | 6250 13,350 | 6650 14,200 | 4700 9,950 | | | 6100 13,550 | 4250 9,450 | 10.96 35.75 |
| 6.0 m 20.0 ft | kg lb | *9900 *22,250 | *9900 *22,250 | *11 150 *24,200 | *11 150 *24,200 | *9550 *20,750 | 8350 18,000 | *8300 *18,050 | 6150 13,200 | 6650 14,250 | 4700 10,000 | | | 5550 12,300 | 3850 8,500 | 11.57 37.86 |
| 4.5 m 15.0 ft | kg lb | | | *12 100 *26,200 | 11 600 24,950 | *10 000 *21,700 | 8100 17,400 | 8500 18,250 | 6000 12,900 | 6600 14,150 | 4650 9,900 | | | 5250 11,550 | 3600 7,950 | 11.97 39.22 |
| 3.0 m 10.0 ft | kg lb | | | *13 100 *28,300 | 11 000 23,650 | *10 450 *22,650 | 7750 16,700 | 8300 17,850 | 5850 12,500 | 6500 13,950 | 4550 9,700 | 5200 | 3600 | *5050 *11,100 | 3500 7,700 | 12.17 39.90 |
| 1.5 m 5.0 ft | kg lb | | | *13 650 *29,500 | 10 400 22,350 | *10 650 *23,050 | 7450 16,000 | 8100 17,400 | 5650 12,100 | 6400 13,700 | 4450 9,500 | *4950 | 3550 | *4400 *9,700 | 3500 7,650 | 12.17 39.94 |
| Ground Line | kg lb | | | *13 350 *28,950 | 9950 21,350 | *10 350 *22,400 | 7150 15,400 | 7950 17,050 | 5500 11,800 | 6300 13,550 | 4350 9,350 | | | *3650 *8,050 | 3600 7,850 | 11.99 39.34 |
| –1.5 m –5.0 ft | kg lb | *8250 *19,300 | *8250 *19,300 | *12 100 *26,200 | 9650 20,800 | *9450 *20,300 | 7000 15,050 | *7350 *15,700 | 5400 11,600 | *5350 *11,150 | 4300 9,250 | | | *3100 *6,850 | *3100 *6,850 | 11.55 37.84 |
| −3.0 m −10.0 ft | kg lb | *10 800 *25,000 | *10 800 *25,000 | *9900 *21,250 | 9600 20,650 | *7750 *16,500 | 6950 14,950 | *5750 *12,100 | 5350 11,550 | | | | | *3600 *7,900 | *3600 *7,900 | 10.40 33.96 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 100% of hydraulic lifting capacity or 100% of tipping capacity.

Weight of all lifting accessories must be deducted from the above lifting capacities.

325D FM LL Heel Boom Over/Under Lift Capacities

CONFIGURATION - 12.8 m (42') Boom/Stick/Heel Linkage

SH0ES - 700 mm (28") Double Grouser

| Load | Load | | 3.0 m/10.0 ft | | 15.0 ft | 6.0 m/ | 20.0 ft | 7.5 m/ | 25.0 ft | 9.0 m/ | 30.0 ft | 10.5 m/ | 35.0 ft | 12.0 m | /40.0 ft | Load at Maximum Reach | | |
|---------------------------|-----------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|--------------------------|------------------------|-----------------------|
| Point Height | | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | m ft |
| 10.5 m 35.0 ft | kg lb | | | | | *9900 *21,750 | *9900 *21,750 | *8900 *19,600 | 8750 18,650 | *8150 *17,950 | 6250 13,300 | | | | | *6800 *15,150 | 5350 12,100 | 9.67 31.22 |
| 9.0 m 30.0 ft | kg lb | | | | | *9700 *21,200 | *9700 *21,200 | *8750 *19,100 | *8750 *19,100 | *7950 *17,350 | 6450 13,700 | 6750 14,250 | 4750 10,000 | | | *6100 *13,550 | 4450 9,900 | 10.79 35.11 |
| 7.5 m 25.0 ft | kg lb | | | | | *9900 *21,550 | *9900 *21,550 | *8850 *19,250 | 8800 18,850 | *7950 *17,300 | 6450 13,750 | 6850 14,600 | 4850 10,300 | | | 5600 12,400 | 3900 8,650 | 11.62 37.93 |
| 6.0 m 20.0 ft | kg lb | | | | | *10 550 *22,900 | *10 550 *22,900 | *9200 *19,950 | 8600 18,500 | *8100 *17,600 | 6350 13,550 | 6800 14,550 | 4800 10,300 | 5350 | 3700 | 5150 11,400 | 3550 7,850 | 12.20 39.92 |
| 4.5 m 15.0 ft | kg lb | | | | | *11 550 *25,000 | *11 550 *25,000 | *9700 *21,050 | 8300 17,850 | *8350 *18,050 | 6150 13,200 | 6700 14,350 | 4750 10,100 | 5350 11,400 | 3700 7,900 | 4900 10,750 | 3350 7,400 | 12.58 41.21 |
| 3.0 m 10.0 ft | kg lb | | | | | *12 650 *27,350 | 11 300 24,250 | *10 250 *22,150 | 7950 17,050 | 8400 18,100 | 5950 12,750 | 6600 14,100 | 4600 9,850 | 5300 11,300 | 3650 7,800 | *4750 *10,450 | 3250 7,150 | 12.76 41.86 |
| 1.5 m 5.0 ft | kg lb | | | | | *13 450 *29,050 | 10 600 22,750 | *10 550 *22,850 | 7550 16,250 | 8200 17,600 | 5700 12,250 | 6450 13,800 | 4500 9,600 | 5200 11,200 | 3600 7,700 | *4150 *9,150 | 3250 7,100 | 12.77 41.90 |
| Ground Line | kg lb | | | | | *13 500 *29,200 | 10 000 21,500 | *10 500 22,550 | 7200 15,550 | 7950 17,150 | 5500 11,850 | 6300 13,600 | 4350 9,350 | *4900 *10,100 | 3550 7,600 | *3500 *7,650 | 3300 7,250 | 12.60 41.33 |
| –1.5 m –5.0 ft | kg lb | | | *8450 *19,750 | *8450 *19,750 | *12 650 *27,300 | 9650 20,750 | *9800 *21,150 | 7000 15,050 | *7750 *16,600 | 5400 11,550 | *5950 *12,550 | 4300 9,250 | *3600 *6,350 | 3550 *6,350 | *2850 *6,250 | *2850 *6,250 | 12.21 40.02 |
| −3.0 m −10.0 ft | kg lb | *4800 *10,900 | *4800 *10,900 | *10 250 *23,700 | *10 250 *23,700 | *10 800 *23,200 | 9500 20,400 | *8450 *18,050 | 6900 14,800 | *6450 *13,750 | 5300 11,450 | *4500 *9,200 | 4300 *9,200 | | | *3200 *7,050 | *3200 *7,050 | 11.25 36.75 |
| −4.5 m −15.0 ft | kg lb | | | | | *7950 *16,900 | *7950 *16,900 | *6200 *13,000 | *6200 *13,000 | *4400 | *4400 | | | | | *4150 *9,350 | *4150 *9,350 | 9.18 29.53 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

Weight of all lifting accessories must be deducted from the above lifting capacities.

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

325D FM LL-AEM-Cab Butt-N-Top Lift Capacities

CONFIGURATION - 11.3 m (37') Boom/Stick Linkage

SH0ES - 700 mm (28") Double Grouser

| Load | | 4.5 m/15.0 ft | | 6.0 m/20.0 ft | | 7.5 m/25.0 ft | | 9.0 m/30.0 ft | | 10.5 m/35.0 ft | | Load at Maximum Reach | | |
|---------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-----------------------|---------------------------|-------------------------|-----------------------|
| Point Height | | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | m ft |
| 10.5 m 35.0 ft | kg lb | *14 400 *31,650 | *14 400 *31,650 | *12 250 *27,000 | *12 250 26,600 | *11 500 | 8500 | | | | | *11 050 *24,850 | 8450 19,300 | 7.53 24.06 |
| 9.0 m 30.0 ft | kg lb | *13 950 *30,500 | *13 950 *30,500 | *11 900 *26,000 | *11 900 *26,000 | *10 500 *22,950 | 8800 18,900 | | | | | 9000 20,250 | 6500 14,600 | 8.93 28.94 |
| 7.5 m 25.0 ft | kg lb | *14 400 *31,250 | *14 400 *31,250 | *12,100 *26,300 | *12,100 *26,300 | *10 500 *22,850 | 8800 18,950 | 9050 19,450 | 6600 14,150 | | | 7700 17,100 | 5550 12,350 | 9.92 32.31 |
| 6.0 m 20.0 ft | kg lb | *15 000 *33,550 | *15 000 *33,550 | *12 700 *27,550 | 12 200 26,300 | *10 750 *23,350 | 8650 18,650 | 9050 19,400 | 6550 14,100 | 7050 | 5100 | 6950 15,350 | 5000 11,050 | 10.59 34.64 |
| 4.5 m 15.0 ft | kg lb | | | *13 550 *29,350 | 11 800 25,350 | *11 100 *24,100 | 8450 18,200 | 8900 19,150 | 6450 13,850 | 7050 15,150 | 5100 10,950 | 6500 14,400 | 4700 10,350 | 11.03 36.12 |
| 3.0 m 10.0 ft | kg lb | | | *14 300 *30,900 | 11 250 24,250 | *11 400 *24,650 | 8150 17,600 | 8750 18,850 | 6300 13,550 | 7000 15,050 | 5050 10,850 | *6250 *13,800 | 4550 10,000 | 11.24 36.86 |
| 1.5 m 5.0 ft | kg lb | | | *14 400 *31,150 | 10 800 23,250 | 11 200 24,100 | 7900 17,050 | 8600 18,550 | 6150 13,250 | 6950 14,900 | 5000 10,700 | *5500 *12,100 | 4550 9,950 | 11.25 36.90 |
| Ground Line | kg lb | | | *13 550 *29,350 | 10 500 22,550 | *10 650 *23,000 | 7750 16,650 | *8400 *18,100 | 6050 13,050 | *6200 *12,850 | 4950 10,650 | *4600 *10,100 | *4600 *10,100 | 11.05 36.25 |
| –1.5 m –5.0 ft | kg lb | *9100 *21,150 | *9100 *21,150 | *11 650 *25,250 | 10 350 22,300 | *9250 *19,950 | 7650 16,500 | *7100 *15,100 | 6000 13,000 | | | *4300 *9,400 | *4300 *9,400 | 10.47 34.30 |
| −3.0 m −10.0 ft | kg lb | | | *8800 *18,850 | *8800 *18,850 | *7000 *14,850 | *7000 *14,850 | | | | | *5200 *11,600 | *5200 *11,600 | 8.78 28.47 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

325D FM GF Reach Boom Lift Capacities

 ${f CONFIGURATION}-6.15\ {f m}\ (20'2")\ {f Boom},\ 3.2\ {f m}\ (10'6")\ {f Stick},$ Heavy Counterweight

SHOES - 700 mm (28") Double Grouser

| Load | | 1.5 m/5.0 ft | | 3.0 m/ | 10.0 ft | 4.5 m/ | 4.5 m/15.0 ft 6.0 m | | /20.0 ft 7.5 n | | 25.0 ft | 9.0 m/30.0 ft | | Load at Maximum Reach | | า |
|---------------------------|-----------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|----------------------|
| Point Height | | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | m ft |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | *5350 *11,850 | *5350 *11,850 | 7.47 24.22 |
| 6.0 m 20.0 ft | kg lb | | | | | | | | | *7550 *16,600 | *7550 *16,600 | | | *5150 *11,350 | *5150 *11,350 | 8.35 27.26 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *9000 *19,500 | *9000 *19,500 | *8100 *17,600 | *8100 *17,600 | | | *5150 *11,350 | *5150 *11,350 | 8.90 29.12 |
| 3.0 m 10.0 ft | kg lb | | | | | *13 850 *29,750 | *13 850 *29,750 | *10 450 *22,550 | *10 450 *22,550 | *8800 *19,100 | 8550 18,400 | *6500 *11,950 | *6500 *11,950 | *5350 *11,750 | *5350 *11,750 | 9.60 30.04 |
| 1.5 m 5.0 ft | kg lb | | | | | *16 150 *34,850 | *16 150 *34,850 | *11 700 *25,350 | 11 300 24,300 | *9500 *20,650 | 8350 18,000 | *7150 *13,100 | 6550 *13,100 | *5700 *12,500 | *5700 *12,500 | 9.17 30.10 |
| Ground Line | kg lb | | | *6150 *14,050 | *6150 *14,050 | *17 100 *37,000 | 16 650 35,850 | *12 500 *27,100 | 11 050 23,800 | *9950 *21,600 | 8200 17,700 | | | *6300 *13,850 | *6300 *13,850 | 8.93 29.29 |
| −1.5 m −5.0 ft | kg lb | *7550 *16,850 | *7550 *16,850 | *11 250 *25,400 | *11 250 *25,400 | *16 900 *36,600 | 16 600 35,700 | *12 650 *27,350 | 10 950 23,600 | *10 000 *21,550 | 8150 17,600 | | | *7300 *16,150 | 7050 15,550 | 8.41 27.56 |
| -3.0 m -10.0 ft | kg lb | *12 650 28,400 | *12 650 28,400 | *17 750 *40,300 | *17 750 *40,300 | *15 700 *33,950 | *15 700 *33,950 | *11 900 *25,700 | 11 000 23,700 | *9050 | 8200 | | | *8900 *19,650 | 8150 18,050 | 7.56 24.69 |
| –4.5 m –15.0 ft | kg lb | | | *17 600 37,800 | *17 600 37,800 | *13 050 *27,900 | *13 050 *27,900 | *9550 *20,050 | *9550 *20,050 | | | | | *8950 *19,650 | *8950 *19,650 | 6.24 20.20 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

Weight of all lifting accessories must be deducted from the above lifting capacities.

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

Weight of all lifting accessories must be deducted from the above lifting capacities.

325D FM GF Mass Boom Lift Capacities

 ${f CONFIGURATION}-5.55~{f m}~(18'3")~{f Boom},~3.2~{f m}~(10'6")~{f Stick},~{f Standard~Counterweight}$

SH0ES - 700 mm (28") Double Grouser

| Load | | 1.5 m/5.0 ft | | 3.0 m/10.0 ft | | 4.5 m/15.0 ft | | 6.0 m/20.0 ft | | 7.5 m/25.0 ft | | Load at Maximum Reach | | |
|---------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|-----------------------|--------------------------|-------------------------|----------------------|
| Point Height | | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | m ft |
| 7.5 m 25.0 ft | kg lb | | | | | | | *15,300 | *15,300 | | | *5350 *11,800 | *5350 *11,800 | 6.68 21.59 |
| 6.0 m 20.0 ft | kg lb | | | | | | | *8300 *18,150 | *8300 *18,150 | *5900 | *5900 | *5050 *11,150 | *5050 *11,150 | 7.66 24.96 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *9250 *20,100 | *9250 *20,100 | *8100 *17,000 | 7750 16,600 | *5050 *11,100 | *5050 *11,100 | 8.25 26.99 |
| 3.0 m 10.0 ft | kg lb | | | *15 950 *41,750 | *15 950 *41,750 | *13 500 *29,150 | *13 500 *29,150 | *10 600 *22,950 | 10 400 22,450 | *9150 *19,950 | 7550 16,300 | *5250 *11,500 | *5250 *11,500 | 8.53 27.98 |
| 1.5 m 5.0 ft | kg lb | | | *7350 *17,250 | *7350 *17,250 | *16 050 *34,600 | 15 300 32,900 | *11 900 *25,750 | 10 050 21,700 | *9800 *21,250 | 7400 15,950 | *5600 *12,300 | *5600 *12,300 | 8.54 28.04 |
| Ground Line | kg lb | | | *10 250 *23,250 | *10 250 *23,250 | *17 250 *37,350 | 14 900 32,050 | *12 700 *27,500 | 9850 21,200 | *10 150 *22,000 | 7250 15,650 | *6300 *13,800 | *6300 *13,800 | 8.28 27.17 |
| –1.5 m –5.0 ft | kg lb | *9800 *21,900 | *9800 *21,900 | *15 600 *35,300 | *15 600 *35,300 | *17 100 *37,050 | 14 750 31,750 | *12 700 *27,550 | 9750 20,550 | *9850 *19,300 | 7250 15,600 | *7500 *16,550 | 7000 15,400 | 7.72 25.29 |
| −3.0 m −10.0 ft | kg lb | *15 600 *34,950 | *15 600 *34,950 | *21 900 *47,350 | *21 900 *47,350 | *15 550 *33,600 | 14 850 31,950 | *11 550 *24,750 | 9800 21,100 | | | *9700 *21,300 | 8350 18,500 | 6.78 22.12 |
| −4.5 m −15.0 ft | kg lb | | | *16 200 | *16 200 | *11 650 *24,550 | *11 650 *24,550 | | | | | *9450 *20,700 | *9450 *20,700 | 5.26 16.94 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

Weight of all lifting accessories must be deducted from the above lifting capacities.

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

Forestry Grapples

| Specification | GLL52B | GLL55B | GLL60B |
|-------------------------|--|---|--|
| Part # | 271-1533 | 271-1534 | 271-1535 |
| For use with | 320C FM, 324D FM | 324D FM, 325D FM | 325D FM, 330D FM |
| Rotation | Continuous | Continuous | Continuous |
| Rotation torque | 1153 N·m (850 ft-lb) | 1153 N·m (850 ft-lb) | 1153 N·m (850 ft-lb) |
| Log volume (tip to tip) | 0.41 m ² (4.5 ft ²) | 0.4 m ² (4.3 ft ²) | 0.51 m ² (5.5 ft ²) |
| Max. opening | 1321 mm (52") | 1397 mm (55") | 1524 mm (60") |
| Min. opening | 126 mm (5") | 126 mm (5") | 126 mm (5") |
| Weight | 1255 kg (2,767 lb) | 1291 kg (2,840 lb) | 1344 kg (2,965 lb) |
| Width | 521 mm (20.5") | 521 mm (20.5") | 521 mm (20.5") |
| Height, open | 2134 mm (84") | 2184 mm (86") | 2261 mm (89") |

Standard Equipment

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

Electrical

80 Ampere alternator

- 4 Front working lights, cab top mounted
- 2 Front working lights, riser mounted
- 1 Left side working light, cab mounted
- 1 Rear working light, cab mounted

Horn

Operator Environment

Purpose built forestry cab with 8 lights and all scratch resistant polycarbonate windows

Seat, Air suspension seat with adjustable armrest, retractable seatbelt, headrest and lumbar support

Integrated seat, console and joystick type controls

Language display monitor with gauges

Warning information

- Filter/fluid change information
- Working hour information
- Machine condition
- Error code and tool mode setting information
- Start up level check for hydraulic oil, engine oil and engine coolant

Full time clock on monitor (2 weeks)

Seat mounted joystick with extra functions for grapple Fixed polycarbonate skylight with retractable sun shade Interior lighting

Lower and upper windshield wipers and washer

Positive filtered ventilation, pressurized cab with bi-level air conditioner, heater and defroster with manual control

Forced air fan

Left side fresh air window with screen

Behind seat storage tray with tie down points

2 CB radio mounts

1 Fire extinguisher mount

1 Attachment computer control mount

Secondary roof exit openable from inside and outside

2 Coat hooks

Ashtray with lighter

Literature holder

Cup holder

Neutral lever for all controls

Travel control pedals with removable hand levers

Washable floor mat

Radio/CD player (12V)

1 Converter/2 sockets – 12V-10A power supply

Power Train

Cat C7 with ACERTTM Technology U.S. EPA

emissions compliant with 24-volt electric starting

and air intake heater

Automatic engine speed control with one touch low idle

Two speed auto-shift travel

Water separator in fuel line

Easy clean swing out radiator

Muffler

Undercarriage

Hydraulic track adjusters

Track type undercarriage with grease lubricated seals

Idler and full-length track shoe support

Other Standard Equipment

Heavy-duty upper frame with catwalks, bottom guards,

heavy duty side doors

Core hydraulic lines and controls with standard main valves

on upper structures

Door locks, cap locks and Cat one key security system

Automatic swing parking brake

Travel alarm

Counterweight with lifting eye

Right front corner guard

325D FM General Forestry Arrangement also includes:

Forestry cab, hydraulic tilt 0.46 m (18 inch) riser

High-wide undercarriage

High drawbar

Heavy-Duty recoil springs

Heavy-Duty track roller frame

Heavy-Duty travel motor covers

Heavy-Duty swivel grapple/rotator hydraulic arrangement

Heavy-Duty swivel guard

Forestry Heavy-Duty upper frame with catwalk

Heavy-Duty bottom guard

Heavy-Duty side doors

Right front corner guard

Travel alarm and full length shoe support

Standard Equipment

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

325D FM Log Loader Arrangement also includes:

Forestry cab

Hydraulic tilt 1.2 m (48 inch) riser

High-wide undercarriage

High drawbar

Heavy-Duty recoil springs Heavy-Duty track roller frame Heavy-Duty travel motor covers

Straight travel third pedal

Heavy-Duty swivel grapple/rotator hydraulic arrangement

Heavy-Duty swivel guard

Forestry Heavy-Duty upper frame with catwalk

Heavy-Duty bottom guard Heavy-Duty side doors Right front corner guard

Travel alarm and full length shoe support

325D FM Log Loader Arrangement for AEM Cab also includes:

AEM cab platform High-wide undercarriage

High drawbar

Heavy-Duty track roller frame Heavy-Duty travel motor covers

Heavy-Duty swivel grapple/rotator hydraulic arrangement

Heavy-Duty swivel guard

Forestry Heavy-Duty upper frame with catwalk

Heavy-Duty bottom guard Heavy-Duty side doors Right front corner guard

Travel alarm

Full length shoe support

Counterweight with removable segments fuel tank

Optional Equipment

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

Front Linkage: For General Forestry Reach Boom 6.2 m (20 ft 2 in) Reach Stick 3.2 m (10 ft 6 in) Mass Boom 5.5 m (18 ft 2 in) Mass Stick 3.2 m (10 ft 6 in)

Bucket Linkage CB2 Family Boom lowering Control Device

Front Linkage: For Log Loader

Over/Under Boom/Stick/Heel Linkage 12.8 m (42 ft 0 in) Under/Under Boom/Stick/Heel Linkage 12.2 m (40 ft 0 in) Butt-n-Top Boom/Stick Linkage 11.3 m (37 ft 0 in)

Stick Cylinder Guard

Hydraulic Arrangements: For General Forestry

Rotating Grapple

Butt-n-Top Grapple (also available on Log Loader)

Thumb

Auxiliary Hydraulic Lines: For General Forestry

Auxiliary Lines High Pressure (HP) and

Medium Pressure (MP), Reach and Mass Boom

Auxiliary Lines High Pressure (HP) and

Medium Pressure (MP) Reach and Mass Stick

Engine/Power Train

Prefilter, air

Cold Weather Staring Aid

Extended Life Cooling with 50% concentration

of protection -34° C (-30° F)

Undercarriage (Track Shoes)

700 mm (28 in) Double Grouser Shoes with Trap Holes 850 mm (34 in) Heavy-Duty Triple Grouser Shoes

with Trap Holes

Electrical

Product Link (PL 321 SR)

General Optional Equipment

Auxiliary Pump Driver (for additional pump)

Right Front Corner Fuel Tank (additional 409 L - 108 gal)

Counterweight with Fuel Tank Adds (492 L – 130 gal) Heavy Counterweight (additional 2960 kg – 4,620 lb).

For General Forestry (Standard on Log Loader).

GLL Family Grapples. For Log Loader.

325D FM Forest Machine

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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