



Cat[®] 325F L

Hydraulic Excavator

2017

Picture yourself behind the joysticks of one of the world's finest compact radius excavators, the Cat[®] 325F L. This machine features a highly efficient U.S. EPA Tier 4 Final/EU Stage IV C4.4 ACERT[™] engine that's miserly on fuel paired with a state-of-the-art hydraulic system that's responsive to your every command.

Performance

- The Cat C4.4 ACERT Tier 4 Final/Stage IV engine burns up to 22% less fuel than the Tier 3/Stage IIIA engine it replaces, and it can run on biodiesel up to B20.
- Maximum lift is 12 650 kg at 4.5 m out front at ground level – up to 8% more lift than the model it replaces.
- High-ambient cooling capability lets you work in extreme heat.
- The machine can work in altitude up to altitude capability up to 3000 m with no engine derating.

Versatility

- Compact radius helps you work in tight spaces.
- Demolition work is easy with a Cat hammer, grapple, shear, or multi-processor.
- Utility and finishing work are fast and flawless with a Cat compactor, thumb, finishing bucket or tilt bucket.
- Couplers let you swap between attachments in seconds without leaving the cab.
- See the whole attachment line for your machine at www.cat.com/attachments.

Comfort

- The full-size roll-over protective structure (ROPS) certified cab is quiet and comfortable.
- Automatic climate control helps maintain consistent cab temperature.
- Joystick consoles and armrests are adjustable.
- Fully adjustable air suspension seat maximizes comfort levels during long periods of operation.
- The LCD monitor is easy to navigate and programmable in 44 languages.
- Standard rearview camera and right side cameras enhance visibility.

Technology

- Cat Grade Control Depth and Slope helps operators work more productively and accurately with less rework.
- Product Link[™]/VisionLink[®] connects owners to their equipment, providing access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes.

Maintenance

- Most routine service points are at ground level.
- Filters are consolidated in the pump compartment for added convenience.
- Wide service doors and a two-piece engine hood with gas cylinder assist allow for easy access.
- An electric fuel priming pump speeds up starts and fuel system maintenance.

Safety

- The roll-over protective structure (ROPS) cab is safe, comfortable, and as quiet as today's top on-road trucks.
- Handrails, anti-skid plating, and countersunk bolts reduce slipping and tripping.
- Four mirrors, a rearview and a side view camera enhance visibility to help make operators more effective and efficient.
- A full-length firewall separates the pump and engine compartments.
- A ground-level fuel cutoff switch shuts down the engine in case of emergency.

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Engine

Engine Model	Cat C4.4 ACERT
Power – ISO 9249 (metric)	120 kW (163 PS/161 hp)
Power – ISO 14396 (metric)	122 kW (166 PS/164 hp)
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg of refrigerant which has a CO₂ equivalent of 1.43 metric tonnes.

Hydraulic System

Main System – Maximum Flow	429 L/min (214.4 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa
Maximum Pressure – Equipment – Lift Mode	38 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	25 500 kPa
Pilot System	
Maximum Flow	18 L/min
Maximum Pressure	4100 kPa

Drive

Gradeability	30°/70%
Maximum Travel Speed	5.6 km/h
Maximum Drawbar Pull	203 kN

Machine Weights

Minimum Operating Weight	25 610 kg
Maximum Operating Weight	27 230 kg

Swing

Swing Speed	11.2 rpm
Swing Torque	62 kN·m

Service Refill Capacities

Fuel Tank Capacity	328 L
Cooling System	30 L
Engine Oil	25 L
Swing Drive (each)	8 L
Final Drive (each)	8 L
Hydraulic System Oil Capacity (including tank)	280 L
Hydraulic Tank Oil	128 L
DEF Tank	19 L

Sound Performance

Exterior Sound Power Level – ISO 6395:2008	99 dB(A)*
Operator Sound Pressure Level – ISO 6396:2008	69 dB(A)

*As per European Union Directive 2000/14/EC as amended by 2005/88/EC.

Dimensions

Boom Options	Reach Boom 5.7 m	VA Boom* 2.4 m Stub/ 3.3 m Fore
Stick Options	R2.9	R2.9
Shipping Height – Top of Cab	3060 mm	3060 mm
Shipping Height – Top of Boom	3180 mm	3140 mm
Shipping Length	8920 mm	9180 mm
Tail Swing Radius	1720 mm	1720 mm
Length to Center of Rollers	3650 mm	3650 mm
Track Length	4460 mm	4460 mm
Ground Clearance	450 mm	450 mm
Track Gauge	2380 mm	2380 mm
Undercarriage Width – 600 mm Shoes	2980 mm	2980 mm
Undercarriage Width – 700 mm Shoes	3080 mm	3080 mm
Undercarriage Width – 790 mm Shoes	3170 mm	3170 mm
Upperframe Width	2980 mm	2980 mm
Handrail Height	3180 mm	3180 mm
Counterweight Clearance	960 mm	960 mm
Bucket Capacity	1.19 m ³	1.3 m ³

Working Ranges

Boom Options	Reach Boom 5.7 m	VA Boom* 2.4 m Stub/ 3.3 m Fore
Stick Options	R2.9	R2.9
Maximum Digging Depth	6710 mm	6510 mm
Maximum Reach at Ground Line	9790 mm	10 130 mm
Maximum Loading Height	7890 mm	8540 mm
Minimum Loading Height	2960 mm	3420 mm
Maximum Depth Cut for 2440 mm Level Bottom	6540 mm	6420 mm
Maximum Vertical Wall Digging Depth	5000 mm	5170 mm
Maximum Cutting Height	10 960 mm	11 650 mm
Bucket Capacity	1.19 m ³	1.3 m ³
Bucket Digging Force (ISO)	150 kN	140 kN
Stick Digging Force (ISO)	106 kN	107 kN

*For Europe only.

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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