



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 (27,100 lb) at 4.5 m (15 ft) out front at ground level with no limitation – 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 (9,840 ft) 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.
- Seats are adjustable and feature air suspension and heated and cooled options.
- The LCD monitor is easy to navigate and programmable in 44 languages.

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 and a rearview 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	
Gross Power – SAE J1995	122 kW	164 hp
Net Power – SAE J1349	120 kW	161 hp
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in ³

Hydraulic System

Main System – Maximum Flow (total)	429 L/min (214.4 × 2 pumps)	113 gal/min (56.6 × 2 pumps)
Maximum Pressure – Equipment		
Heavy Lift	38 000 kPa	5,510 psi
Normal	35 000 kPa	5,075 psi
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	25 500 kPa	3,698 psi
Pilot System – Maximum Flow	18 L/min	4.8 gal/min
Pilot System – Maximum Pressure	4100 kPa	595 psi

Drive

Maximum Travel Speed	5.6 km/h	3.5 mph
Maximum Drawbar Pull	203 kN	45,591 lbf

Machine Weights

Operating Weight*	25 900 kg	57,100 lb
*Long undercarriage, Reach Boom, R2.9 (9'6") Stick, 1.19 m ³ (1.56 yd ³) Bucket and 790 mm (31 in) Triple Grouser Shoes.		

Swing

Swing Speed	11.2 rpm	
Swing Torque	62 kN-m	45,612 lbf-ft

Service Refill Capacities

Fuel Tank Capacity	328 L	86.6 gal
DEF Tank Capacity	19 L	4.9 gal
Cooling System	30 L	7.9 gal
Engine Oil	25 L	6.6 gal
Swing Drive	8 L	2.1 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	280 L	74.0 gal
Hydraulic Tank	128 L	33.8 gal

Sound Performance

ISO 6396 – Operator Noise (closed)	69 dB(A)
ISO 6395 – Spectator Noise	99 dB(A)*
*EU Certified Data.	

Dimensions*

	Reach Boom – 5.7 m (18'8")	
Stick	R2.9 (9'6")	
Shipping Height	3180 mm	10'5"
Shipping Length	8920 mm	29'3"
Tail Swing Radius	1720 mm	5'8"
Length to Center of Rollers	3650 mm	12'0"
Track Length	4460 mm	14'8"
Ground Clearance	450 mm	1'6"
Track Gauge	2380 mm	7'10"
790 mm (31 in) Shoes	3170 mm	10'5"
Transport Width – 790 mm (31 in) Shoes	2980 mm	9'9"
Handrail Height	3180 mm	10'5"
Counterweight Clearance	960 mm	3'2"
*With 1.19 m ³ (1.56 yd ³) HD Bucket		

Working Ranges*

	Reach Boom – 5.7 m (18'8")	
Stick	R2.9 (9'6")	
Maximum Digging Depth	6710 mm	22'0"
Maximum Reach at Ground Line	9790 mm	32'1"
Maximum Cutting Height	10 960 mm	35'11"
Maximum Loading Height	7890 mm	25'11"
Minimum Loading Height	2960 mm	9'9"
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6540 mm	21'5"
Maximum Vertical Wall Digging Depth	5000 mm	16'5"
Maximum Height, to Bucket Teeth at Highest Arc	10 960 mm	35'11"
*With 1.19 m ³ (1.56 yd ³) HD Bucket		

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