



Cat[®] 320F L

Hydraulic Excavator

Performance

- Powerful, efficient Cat[®] C4.4 ACERT™ EU Stage IV engine
- Up to 8.5% less fuel consumption than 320E in standard mode
- Similar lift and stability as 320E
- Isochronous control to manage pump and engine speed for improved fuel efficiency
- Boom and stick recirculation for reduced fuel consumption, faster cycle times
- Two power modes to help manage fuel consumption

Versatility

- Cat buckets and tools designed and matched to maximize machine performance
- Auxiliary hydraulics available to support a variety of tools
- Available tool control and quick coupler for speedy tool changes

Comfort

- Ergonomically designed roll-over protective structure (ROPS) cab
- Easy-to-operate controls
- Fully adjustable seat and armrests
- Automatic climate control system

Serviceability

- Most service points at ground level
- Wide service doors and one-piece hood for easy service access
- Filters grouped for reduced service time
- Easy-to-reach pressure taps and S-O-SSM ports to help maximize uptime
- Electric fuel priming pump to speed up starts and fuel system maintenance

Durability

- Modified X-frame structure for enhanced service life
- Robot welded, Caterpillar designed boom and sticks
- Greased track link between pins and bushings to increase undercarriage life
- High-pressure fuel system with new high-pressure pump and injectors for enhanced durability and reliability

Safety

- Hydraulic activation lever to lock out all hydraulic functions
- Handrail, anti-skid plating, countersunk bolts to reduce slipping and tripping
- Full-length firewall to separate pump and engine compartments
- Ground-level fuel cutoff switch to shut down engine
- Standard rearview camera, standard right hand side camera, and mirrors for enhanced visibility

Technology

- Cat Connect technology to increase job site efficiency
- Product Link™/VisionLink[®] to connect owners to equipment and critical information like machine location, fuel consumption, idle time, events, and diagnostic codes



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Engine

Engine Model	C4.4 ACERT	
Engine Power – ISO 14396	122 kW	166 PS
Engine Power – ISO 9249	120 kW	163 PS
Bore	105 mm	
Stroke	127 mm	
Displacement	4.4 L	

Hydraulic System

Main System – Maximum Flow (Total)	428 L/min	
Maximum Pressure – Equipment		
Heavy Lift	38 000 kPa	
Normal	35 000 kPa	
Maximum Pressure – Travel	35 000 kPa	
Maximum Pressure – Swing	25 000 kPa	
Pilot System – Maximum Flow	24.3 L/min	
Pilot System – Maximum Pressure	3920 kPa	

Drive

Maximum Travel Speed	5.6 km/h
Maximum Drawbar Pull	205 kN

Machine Weights

Minimum Operating Weight	21 500 kg
Maximum Operating Weight	23 000 kg

Swing

Swing Speed	11.2 rpm
Swing Torque	61.8 kN-m

Service Refill Capacities

Fuel Tank Capacity	410 L
DEF Tank Capacity	21 L
Cooling System	30 L
Engine Oil	25 L
Swing Drive	8 L
Final Drive (each)	8 L
Hydraulic System Oil (including tank)	260 L
Hydraulic Tank Oil	115 L

Sound Performance

ISO 6396 – Operator Sound Pressure Level	68 dB(A)
ISO 6395 – Exterior Sound Power Level	97 dB(A)

Dimensions

Boom	Reach Boom 5.7 m	VA Boom
Stick	R2.9 m	R2.9 m
Bucket Capacity	1.19 m ³	1.3 m ³
Shipping Height	3130 mm	3010 mm
Shipping Length	9540 mm	9780 mm
Tail Swing Radius	2830 mm	2830 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
Transport Width		
600 mm Shoe	2980 mm	2980 mm
700 mm Shoe	3080 mm	3080 mm
790 mm Shoe	3170 mm	3170 mm
Handrail Height	3010 mm	3010 mm
Counterweight Clearance	1020 mm	1020 mm

Working Ranges

Boom	Reach Boom 5.7 m	VA Boom
Stick	R2.9 m	R2.9 m
Bucket Capacity	1.19 m ³	1.3 m ³
Maximum Digging Depth	6710 mm	6680 mm
Maximum Reach at Ground Line	9850 mm	10 200 mm
Maximum Cutting Height	9450 mm	11 520 mm
Maximum Loading Height	6500 mm	8410 mm
Minimum Loading Height	2180 mm	3270 mm
Maximum Depth Cut for 2440 mm Level Bottom	6540 mm	6580 mm
Maximum Vertical Wall Digging Depth	5610 mm	5290 mm

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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