

325F L Hydraulic Excavator Specifications

Engine

Engine Model	Cat C4.4 ACERT	
Engine Power – ISO 14396	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

- The 325F L meets Tier 4 Final emission standards.
- No engine power derating required below 3000 m (9,800 ft) altitude.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- Rating at 1,800 rpm.

Weights

Operating Weight	25 907 kg	57,115 lb
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- Long Undercarriage, Reach Boom, R 2.9 m (9'6") Stick, 1.19 m³ (1.56 yd³) bucket and 790 mm (31") TG shoes.

Track

Number of Shoes Each Side	49	
Number of Track Rollers Each Side	7	
Number of Carrier Roller Each Side	2	

Swing Mechanism

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

Drive

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

Hydraulic System

Main System – Maximum Flow (implement)	429 L/min	113 gal/min
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,510 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
Boom Cylinder – Bore	125 mm	5 in
Boom Cylinder – Stroke	1403 mm	55 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

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	8 L	2.1 gal
Hydraulic System (including tank)	280 L	74.0 gal
Hydraulic Tank	128 L	33.8 gal

Sound Performance

ISO 6395 (external)	99 dB(A)
ISO 6396 (inside cab)	69 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.