



Cat[®] 335F L

Hydraulic Excavator

2017

The Cat[®] 335F L is the largest, most efficient compact radius machine available from any major manufacturer today. The type of up-close, space-restricted work you can do with such a unique, heavy-duty machine is nearly unlimited.

Performance

- The Cat C7.1 engine with ACERT™ Technology is designed to meet U.S. EPA Tier 4 Final/EU Stage IV emission standards while burning up to 16% less fuel than the model it replaces.
- The hydraulic system supports lifting up to 10 886 kg (24,000 lb) over the side at ground level without limitation – approximately 5% more than the model it replaces.
- Standard high-ambient cooling enables the machine to work with maximum power in hot conditions up to 52° C (126° F).
- Long, heavy-duty undercarriage provides greater stability when lifting heavy objects, leading to greater overall productivity.

Versatility

- Utility and finishing work are fast and flawless with a Cat tilt bucket and compactor.
- Demolition work is quick and easy with a Cat hammer, thumb, shear, or multi-processor.
- A coupler lets you swap between attachments in seconds without leaving the cab.
- See the whole attachment line for your machine at www.cat.com/attachments.

Maintenance

- Most routine maintenance items like grease points and fluid taps are reachable at ground level.
- Compartments are designed for safe, convenient access to filters, hoses, and other components.
- Service doors help keep debris out and latch in place to enhance service speed.

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.

Durability

- The large swing bearing is secured with elongated bolts to help handle the most swing-intensive work.
- Abrasion-resistant Cat XT™-6 hose can stand up to high pressures over the long haul.
- Booms and sticks are built for long service.
- Box-section structures with multi-plate fabrications, castings, and forgings are used in high-stress areas.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.
- Cat Connect technology solutions increase production, minimize operating costs, and optimize return on investment.
- VisionLink[®] provides wireless access to machine operating data such as location, hours, idle time, fuel usage, productivity, and diagnostic codes to optimize performance.



Cat® 335F L Hydraulic Excavator

Engine

Engine Model	Cat® C7.1 ACERT™	
Gross Power – SAE J1995	152 kW	204 hp
Net Power – SAE J1349	149 kW	200 hp
Engine rpm		
Operation	1,800 rpm	
Travel	1,800 rpm	
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in³

Hydraulic System

Main System – Maximum Flow (total)	494 L/min	130 gal/min
Maximum Pressure – Equipment		
Heavy Lift	38 000 kPa	5,366 psi
Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	37 000 kPa	5,366 psi
Maximum Pressure – Swing	27 400 kPa	3,974 psi
Pilot System – Maximum Flow	30 L/min	7.9 gal/min
Pilot System – Maximum Pressure	4100 kPa	595 psi

Drive

Maximum Travel Speed	4.2/2.6 km/h	2.6/1.6 mph
Maximum Drawbar Pull	295 kN	66,319 lbf

Machine Weights

Minimum Operating Weight*	34 330 kg	75,680 lb
Maximum Operating Weight**	38 180 kg	84,170 lb
*600 mm (24 in) shoes, reach boom, R2.65CB2 (8'8") stick, CB2 bucket linkage, and CB1500GD 1.76 m³ (2.30 yd³) bucket.		
**850 mm (33 in) shoes, blade, reach boom, R3.75 m (12'4") stick, CB2 bucket linkage, CB1350HD 1.54 m³ (2.01 yd³) bucket.		

Swing

Swing Speed	9.9 rpm	
Swing Torque	82.2 kN·m	60,628 lbf·ft

Sound Performance

ISO 6396 – Operator Noise (closed)	72 dB	
ISO 6395 – Spectator Noise	104 dB	

Service Refill Capacities

Fuel Tank Capacity	385 L	101.7 gal
Cooling System	30 L	7.9 gal
Engine Oil	24 L	6.3 gal
Swing Drive (each)	9 L	2.4 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	290 L	76.6 gal
Hydraulic Tank	154 L	40.7 gal
DEF Tank	23 L	6.1 gal

Dimensions

	Reach Boom 6.15 m (20'2")	
Stick	R3.2 (10'6")***	
Shipping Height*	3540 mm	11'7"
Shipping Length	9820 mm	32'3"
Tail Swing Radius	1900 mm	6'3"
Length to Center of Rollers	4040 mm	13'3"
Track Length	5020 mm	16'6"
Ground Clearance**	480 mm	1'7"
Track Gauge	2590 mm	8'6"
Transport Width		
600 mm (24 in) Shoes	3190 mm	10'6"
850 mm (33 in) Shoes	3440 mm	11'3"
Cab Height*	3260 mm	10'8"
Counterweight Clearance**	1200 mm	3'11"
*Including shoe lug height		
**Without shoe lug height		
***With 1.54 m³ (2.01 yd³) bucket		

Working Ranges

	Reach Boom 6.15 m (20'2")	
Stick	R3.2 (10'6")***	
Maximum Digging Depth	6990 mm	22'11"
Maximum Reach at Ground Level	10 640 mm	34'11"
Maximum Cutting Height	11 150 mm	36'7"
Maximum Loading Height	7970 mm	26'2"
Minimum Loading Height	2920 mm	9'7"
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6830 mm	22'5"
Maximum Vertical Wall Digging Depth	5770 mm	18'11"

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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