



Cat[®] 330F L

Hydraulic Excavator

Productivity

- Smooth multi-function control for easy operation.
- Emissions package works behind the scenes and won't interrupt the job process.

Efficiency

- C7.1 ACERT™ engine meets Japan 2014 (Tier 4 Final) emission standard.
- Integrated electronics, fuel, air, and aftertreatment reduce fuel consumption and emissions and extend service intervals.
- DPF requires no maintenance.
- Two power modes – standard, and eco – help manage fuel consumption.
- Automatic engine speed control lowers rpm based on load for reduced fuel consumption.

Versatility

- Reach configuration is available to meet a variety of work needs.
- Common linkages between E and F Series support tool interchangeability.
- Multiple Cat[®] Work Tools are available for a wide range of applications.
- Auxiliary tool control system maximizes performance of hammers, shears, compactors, multi-processors and other Cat Work Tools.

Technology

- Cat Connect technology improves job site efficiency.
- Product Link™/VisionLink[®] connects owners to their equipment, providing access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes.

Serviceability

- Routine maintenance items like grease points and fluid taps are reachable at ground level.
- Service door design helps prevent debris entry; doors latch in place to enhance ease of service.
- Cooling system is efficient and adjusts to make maintenance easy.

Comfort

- Full-size roll-over protective structure (ROPS) certified cab is quiet and comfortable.
- Automatic climate control system maintains consistent cab temperature.
- Joysticks and armrests are adjustable.
- Seats are adjustable and feature air ride suspension with heat and cooling.
- LED monitor is easy to navigate and programmable in 44 languages.
- Drink holders, storage areas, and auxiliary power outlets offer added convenience.

Durability

- The machine is built for long service life.
- XT™ hydraulic hose provides high working pressure capability.
- Lower frame is reinforced to enhance component durability.
- Booms and sticks are built with baffle plates for added strength.
- Box-section structures with multi-plate fabrications, castings, and forgings are used in high-stress areas.
- Track shoes, links, rollers, idlers, and final drives are built with high-tensile-strength steel.
- Grease-lubricated track link prevents dirt and debris from entering.
- Heavy-duty bottom guards protect components from track debris and site material.
- Counterweight is bolted directly to the main frame for rigidity.



オフロード法2014年
基準適合

Cat® 330F L Hydraulic Excavator

Engine

Engine Model	Cat C7.1 ACERT
Gross Power – SAE J1995	178 kW
Net Power – SAE J1349	175 kW
Bore	105 mm
Stroke	135 mm
Displacement	7.01 L

Hydraulic System

Main System – Maximum Flow (Total)	493 L/min
Maximum Pressure – Equipment	
Normal	35 000 kPa
Maximum Pressure – Travel	37 000 kPa
Maximum Pressure – Swing	27 400 kPa
Pilot System – Maximum Flow	23 L/min
Pilot System – Maximum Pressure	4100 kPa

Drive

Maximum Travel Speed	5.1 km/h
Maximum Drawbar Pull	247 kN

Machine Weights

Operating Weight*	29 500 kg
*6.15 m Reach Boom, R3.2CB2 Stick, 600 mm TG Shoes, 5.8 mt Counterweight, 1.5 m³ Bucket	

Swing

Swing Speed	9.6 rpm
Swing Torque	82.2 kN-m

Service Refill Capacities

Fuel Tank Capacity	520 L
Cooling System	30 L
Engine Oil (with filter)	24 L
Swing Drive (each)	9 L
Final Drive (each)	6 L
Hydraulic System (including tank)	310 L
Hydraulic Tank	175 L
DEF Tank	41 L

Dimensions

	Reach and HD Reach Boom 6.15 m
Stick	R3.2CB2 and HD R3.2CB2
Shipping Height*	3370 mm
Shipping Length	10 390 mm
Tail Swing Radius	3090 mm
Length to Center of Rollers	3990 mm
Track Length	4860 mm
Ground Clearance	490 mm
Track Gauge	2590 mm
Transport Width	
600 mm Shoes	3190 mm
800 mm Shoes	3390 mm
Cab Height with Top Guard	3240 mm
Counterweight Clearance**	1110 mm
*Including shoe lug height.	
**Without shoe lug height.	

Working Ranges

	Reach and HD Reach Boom 6.15 m
Stick	R3.2CB2 and HD R3.2CB2
Maximum Digging Depth	7250 mm
Maximum Reach at Ground Level	10 680 mm
Maximum Cutting Height	10 010 mm
Maximum Loading Height	6940 mm
Minimum Loading Height	2290 mm
Maximum Depth Cut for 2440 mm Level Bottom	7090 mm
Maximum Vertical Wall Digging Depth	5990 mm

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Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to provide specific training for all operators on machines with ship weight less than 3 metric ton. For machines greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved registered training school.

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