



# New Holland CRAWLER EXCAVATOR

EC350



## FEATURES AND BENEFITS

### ■ Three-pump hydraulic system

A dedicated swing pump provides outstanding performance during combined swing and attachment (boom, stick, bucket) functions. This allows four simultaneous movements without compromising attachment or swing speed.

### ■ Rugged structural design

Heavier-gauge steel plate and full-height carbody-to-track frame connection provide greater

structural contact area to withstand the stresses of extreme applications.

### ■ Outstanding serviceability

Service is simple thanks to behind-the-cab service platforms that allow quick, easy access to the engine and main control valve. Downtime is reduced by an On-board Diagnostic Computer (ODC) that monitors critical functions and reports potential malfunctions.

### ■ Comfortable cab

Factory-installed air conditioning is standard and an eight-way adjustable suspension seat and low-effort pilot hydraulic controls mounted in adjustable consoles increase operator comfort, efficiency and productivity.

### ■ Highest-in-class horsepower

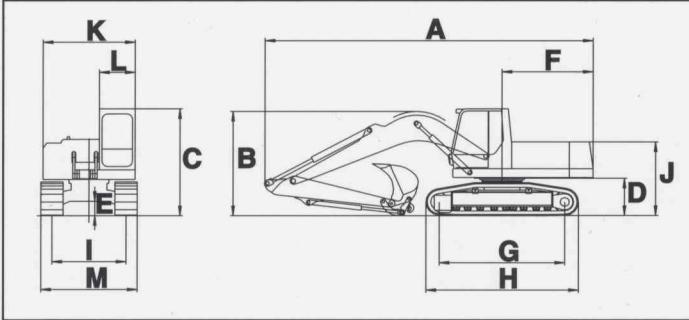
High horsepower means faster cycle times and high productivity.

# EC350 SPECIFICATIONS

## ENGINE

POWER (SAE J1349) .....	249 HP (186kW)
Make and model .....	Cummins 6CTA 8.3
Type .....	turbocharged, direct injection, 4-cycle
Governed rpm .....	1,800
Number of cylinders .....	6
Displacement .....	506.5 in <sup>3</sup> (8.3 L)
Bore x stroke .....	4.5" x 5.3" (114 mm x 135 mm)

## DIMENSIONS



stick.....	10'6" (3.2 m)
A Overall length .....	37'1" (11300 mm)
B Height to top of boom .....	11'4" (3450 mm)
C Height to top of cab .....	10'4" (3140 mm)
D Ground clearance counterweight .....	3'10" (1170 mm)
E Ground clearance .....	19" (490 mm)
F Tail swing radius .....	10'10" (3300 mm)
G Sprocket idler c/c.....	13'3" (4035 mm)
H Track length, overall .....	16'3" (4960 mm)
I Track gauge .....	8'6" (2600 mm)
J Upperstructure height .....	7'8" (2340 mm)
K Upperstructure width .....	9'10" (3000 mm)
L Cab width .....	3'2" (960 mm)
shoes:.....	32" (800 mm)
M Transport width .....	11'2" (3400 mm)

## WORKING RANGES

boom:.....	21'4" (6.5 m)
stick:.....	10'6" (3.2 m)
Max. digging height.....	35'9" (10.9 m)
Max. loading height .....	26'3" (8.0 m)
Max. digging depth .....	24'3" (7.4 m)
Max. vert. wall digging depth .....	19'4" (5.9 m)
Max. depth of cut for 8' level bottom .....	23'11" (7.3 m)
Max. digging reach .....	37'1" (11.3 m)
Max. digging reach at ground level .....	36'5" (11.1 m)
SAE bucket capacity range-heaped .....	1.2 - 2.63 yd <sup>3</sup> (0.92 - 2.0 m <sup>3</sup> )
Bucket breakout force* .....	48,560 lb-ft (216 kN)
Stick crowd force* .....	38,670 lb-ft (172 kN)
*with power booster activated	

## HYDRAULIC SYSTEM

Primary pumps .....	3 variable displacement, axial piston
Total maximum flow (2 MAIN) .....	2 x 75.3 gpm (2 x 285 l/min)
Swing Pump Flow .....	51.5 gpm (195 l/min)
Implement/ travel system pressure .....	4,641 psi (32 MPa)
With power booster activated .....	5,076 psi (35 MPa)
Swing circuit pressure.....	5,655 psi (39 MPa)
Pilot pump, 1 gear type .....	655 psi (4.5 MPa)

## REFILL CAPACITIES

Fuel tank .....	158.5 gal (600 L)
Cooling system .....	11.1 gal (42 L)
Engine oil, including filter .....	6.1 gal (23 L)
Swing gear .....	2.25 gal (8.5 L)
Hydraulic tank .....	97.7 gal (370 L)
Hydraulic system .....	148 gal (560 L)

## WEIGHT

Operating weight.....	77,382 lb (35100 kg)
Ground pressure .....	7.1 psi (0.50 kg/cm <sup>2</sup> )
shoes: .....	32" (800 mm)

## SWING PERFORMANCE

Swing Torque (SAE J1371).....	83,344 lb-ft (113 kNm)
Swing Speed .....	9 rpm

## LIFTING CAPACITY (lb and kg units in thousands; multiply by 1,000)

Dipper stick: 10'6" (3.2m)      Monobloc boom: 21'4" (6.5m)      Track shoes: 32" (800mm)      Bucket: 1.75 yd<sup>3</sup> (1.34 m<sup>3</sup>) SAE

Load	Height	Units x1000	LOAD RADIUS										@ MAX Reach			
			5' (1.5m)		10' (3.0m)		15' (4.5m)		20' (6.0m)		25' (7.5m)		30' (9.0m)		Side	Front
25'	(7.5m)	lb														
		kg														
20'	(6.0m)	lb														
		kg														
15'	(4.5m)	lb														
		kg														
10'	(3.0m)	lb														
		kg														
5'	(1.5m)	lb														
		kg														
Ground Line	-5'	lb														
		kg														
-10'	(-3.0m)	lb														
		kg														
-15'	(-4.5m)	lb														
		kg														
-20'	(-6.0m)	lb														
		kg														

ISO 10567-Lifting capacity does not exceed 75% of tipping load or 87% of full hydraulic capacity. The load point is a hook located on the back of the bucket. With Power Assist mode engaged.  
\* Indicates load limited by hydraulic capacity.



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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.