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CATERPILLAR 312D HYDRAULIC EXCAVATOR

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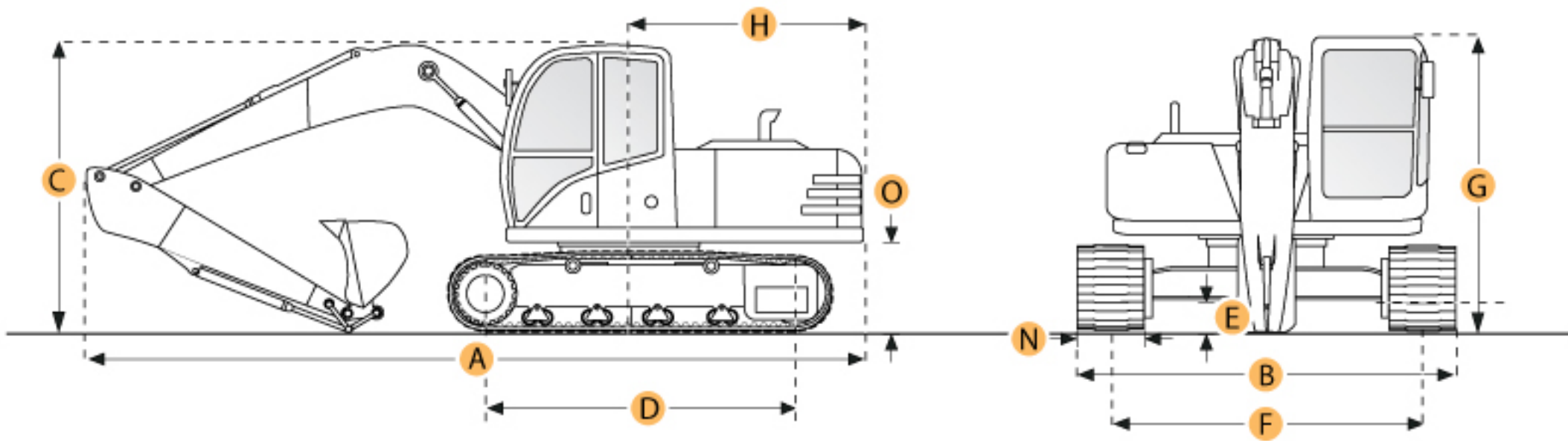
 Print specification

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Selected Dimensions

Boom/Stick Option

Boom/Stick Option (HEX) 1

A. SHIPPING LENGTH OF UNIT	25 ft in	7610 mm
C. SHIPPING HEIGHT OF UNIT	9.3 ft in	2830 mm
I. MAX CUTTING HEIGHT	27.8 ft in	8480 mm
J. MAX LOADING HEIGHT	20 ft in	6100 mm
K. MAX REACH ALONG GROUND	26.8 ft in	8170 mm
L. MAX VERTICAL WALL DIGGING DEPTH	16.3 ft in	4980 mm
M. MAX DIGGING DEPTH	18.2 ft in	5540 mm

Dimensions

B. WIDTH TO OUTSIDE OF TRACKS	8.2 ft in	2490 mm
D. LENGTH OF TRACK ON GROUND	9.1 ft in	2780 mm
E. GROUND CLEARANCE	1.4 ft in	430 mm
G. HEIGHT TO TOP OF CAB	9.1 ft in	2760 mm
H. TAIL SWING RADIUS	7 ft in	2140 mm
O. COUNTERWEIGHT CLEARANCE	3 ft in	915 mm

Undercarriage

F. TRACK GAUGE	6.5 ft in	1990 mm
N. SHOE SIZE	19.7 in	500 mm

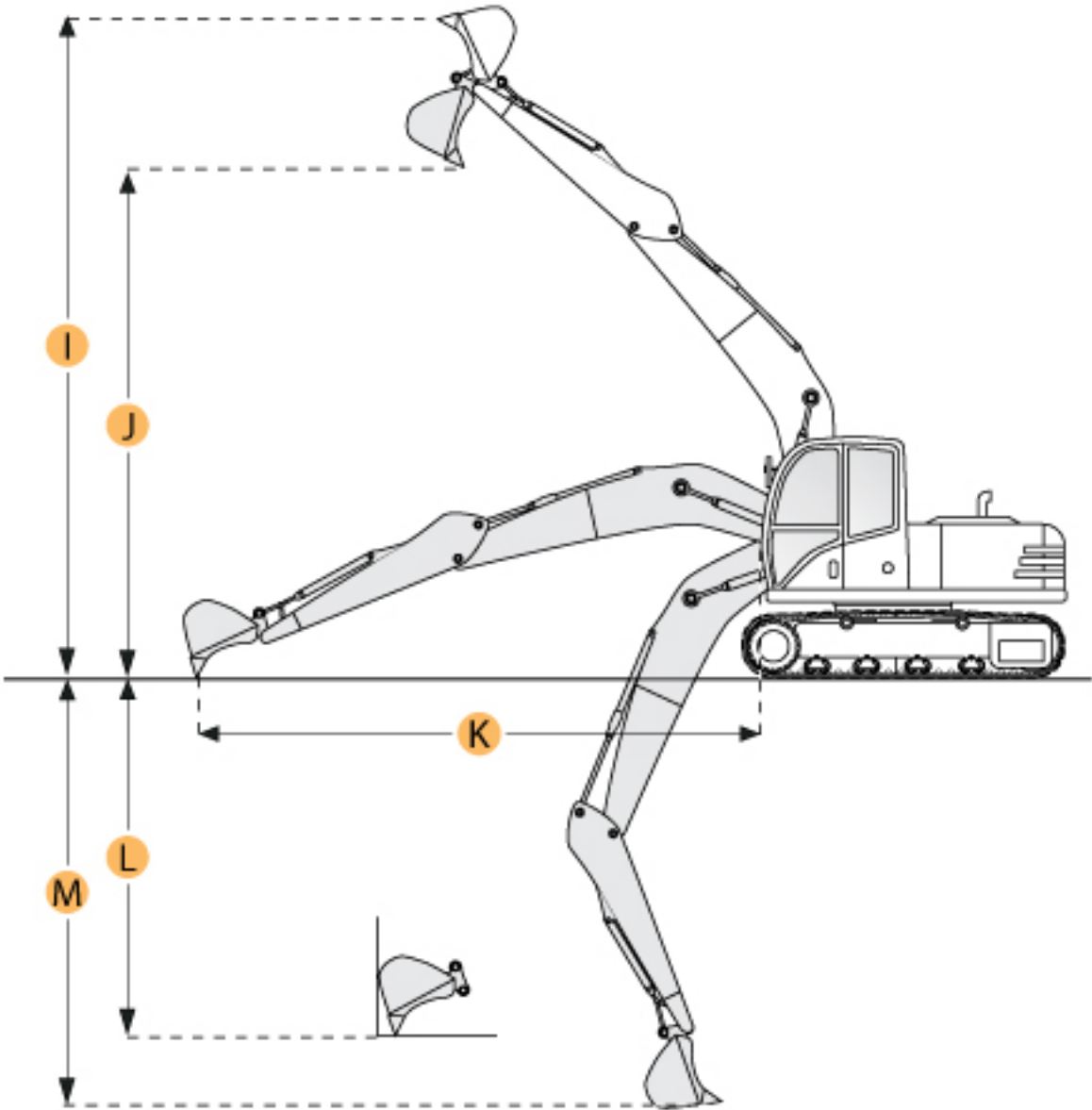
Specification

Engine

MAKE	Caterpillar	
MODEL	C4.2 ACERT	
GROSS POWER	97 hp	72.3 kw
NET POWER	90 hp	67.1 kw
DISPLACEMENT	259.4 cu in	4.3 L

Operational

OPERATING WEIGHT	28483.7 lb	12920 kg
FUEL CAPACITY	66 gal	250 L
COOLING SYSTEM FLUID CAPACITY	4.7 gal	17.9 L
HYDRAULIC SYSTEM FLUID CAPACITY	42.8 gal	162 L
ENGINE OIL CAPACITY	5.2 gal	19.5 L
SWING DRIVE FLUID CAPACITY	0.79 gal	3 L
HYDRAULIC SYSTEM RELIEF VALVE PRESSURE	5076.3 psi	35000 kPa
HYDRAULIC PUMP FLOW CAPACITY	33.5 gal/min	127 L/min



Swing Mechanism		
SWING SPEED	12.4 rpm	
SWING TORQUE	22827.5 lb ft	30950 Nm
Undercarriage		
SHOE SIZE	19.7 in	500 mm
GROUND PRESSURE	6.1 psi	41.9 kPa
MAX TRAVEL SPEED	3.4 mph	5.5 km/h
DRAWBAR PULL	25628.2 lb	114 kN
TRACK GAUGE	6.5 ft in	1990 mm
Buckets		
REFERENCE BUCKET CAPACITY	0.68 yd3	0.52 m3
MINIMUM BUCKET CAPACITY	0.39 yd3	0.3 m3
MAXIMUM BUCKET CAPACITY	0.97 yd3	0.74 m3
Boom/Stick Option (HEX) 1		
BOOM/STICK OPTION (HEX) 1	Boom 5680mm (18' 7") / Stick 2500mm (8' 2")	
SHIPPING HEIGHT OF UNIT	9.3 ft in	2830 mm
SHIPPING LENGTH OF UNIT	25 ft in	7610 mm
MAX DIGGING DEPTH	18.2 ft in	5540 mm
MAX REACH ALONG GROUND	26.8 ft in	8170 mm
MAX CUTTING HEIGHT	27.8 ft in	8480 mm
MAX LOADING HEIGHT	20 ft in	6100 mm
MAX VERTICAL WALL DIGGING DEPTH	16.3 ft in	4980 mm
Boom/Stick Option (HEX) 2		
BOOM/STICK OPTION (HEX) 2	Boom 5680mm (18' 7") / Stick 2800mm (9' 2")	
SHIPPING HEIGHT OF UNIT	9.7 ft in	2970 mm
SHIPPING LENGTH OF UNIT	24.9 ft in	7590 mm
MAX DIGGING DEPTH	19.2 ft in	5840 mm
MAX REACH ALONG GROUND	27.7 ft in	8430 mm
MAX CUTTING HEIGHT	28.1 ft in	8580 mm
MAX LOADING HEIGHT	20.4 ft in	6210 mm
MAX VERTICAL WALL DIGGING DEPTH	16.9 ft in	5160 mm
Boom/Stick Option (HEX) 3		
BOOM/STICK OPTION (HEX) 3	Boom 5680mm (18' 7") / Stick 3000mm (9' 10")	
SHIPPING HEIGHT OF UNIT	9.3 ft in	2830 mm
SHIPPING LENGTH OF UNIT	25 ft in	7610 mm
MAX DIGGING DEPTH	19.8 ft in	6040 mm
MAX REACH ALONG GROUND	28.3 ft in	8620 mm
MAX CUTTING HEIGHT	28.5 ft in	8700 mm
MAX LOADING HEIGHT	20.8 ft in	6340 mm
MAX VERTICAL WALL DIGGING DEPTH	17.6 ft in	5360 mm
Dimensions		
WIDTH TO OUTSIDE OF TRACKS	8.2 ft in	2490 mm
HEIGHT TO TOP OF CAB	9.1 ft in	2760 mm
GROUND CLEARANCE	1.4 ft in	430 mm
COUNTERWEIGHT CLEARANCE	3 ft in	915 mm
TAIL SWING RADIUS	7 ft in	2140 mm
LENGTH OF TRACK ON GROUND	9.1 ft in	2780 mm