



CATERPILLAR HYDRAULIC EXCAVATOR 311D



SPECIFICATIONS

SHIPPING LENGTH OF UNIT	22.7ft in	6915mm
SHIPPING HEIGHT OF UNIT	9.4ft in	2860mm
MAX CUTTING HEIGHT	25.6ft in	7800mm
MAX LOADING HEIGHT	17.9ft in	5450mm
MAX REACH ALONG GROUND	25.3ft in	7700mm
MAX VERTICAL WALL DIGGING DEPTH	14.6ft in	4460mm
MAX DIGGING DEPTH	16.5ft in	5040mm

DIMENSIONS

WIDTH TO OUTSIDE OF TRACKS	8.5ft in	2590mm
LENGTH OF TRACK ON GROUND	9.1ft in	2780mm
GROUND CLEARANCE	1.5ft in	455mm
HEIGHT TO TOP OF CAB	9ft in	2755mm
TAIL SWING RADIUS	5.7ft in	1750mm
COUNTERWEIGHT CLEARANCE	3ft in	910mm

UNDERCARRIAGE

TRACK GAUGE	6.5ft in	1990mm
SHOE SIZE	23.6in	600mm

SPECIFICATION

ENGINE

MAKE	CAT	
MODEL	C4.2 ACERT	
GROSS POWER	86hp	64.1kw

NET POWER

80hp 59.7kw

DISPLACEMENT

259.4cu in 4.3l

OPERATIONAL

OPERATING WEIGHT

27513.7lb 12480kg

FUEL CAPACITY

55.5gal 210l

COOLING SYSTEM FLUID CAPACITY

4.8gal 18l

HYDRAULIC SYSTEM FLUID CAPACITY

38.3gal 145l

ENGINE OIL CAPACITY

5gal 19l

SWING DRIVE FLUID CAPACITY

0.79gal 3l

HYDRAULIC SYSTEM RELIEF VALVE PRESSURE

5076.3psi 35000kPa

HYDRAULIC PUMP FLOW CAPACITY

30.9gal/min 117l/m

SWING MECHANISM

SWING SPEED

11.4RPM 30900Nm

SWING TORQUE

22790.7lb ft

UNDERCARRIAGE

SHOE SIZE

23.6in 600mm

GROUND PRESSURE

5psi 34.2kPa

MAX TRAVEL SPEED

3.2mph 5.1km/h

DRAWBAR PULL

25628.2lb 114kN

TRACK GAUGE

6.5ft in 1990mm

BUCKETS

REFERENCE BUCKET CAPACITY

0.52yd 3 0.4m3

MINIMUM BUCKET CAPACITY

0.33yd 3 0.25m3

MAXIMUM BUCKET CAPACITY

0.97yd 3 0.74m3

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