

## 50D COMPACT EXCAVATOR

### Specs

<b>MANUFACTURER</b>	<b>John Deere</b>
<b>MODEL</b>	<b>50D COMPACT EXCAVATOR</b>
<b>DATE OF SPECIFICATION</b>	Feb-09
<b>ENGINE</b>	
Manufacturer/Model	Yanmar / 4TNV88
Net Power hp (kW) @ Rated rpm	38.1 (28) @ 2400
#Cylinders and Displacement cu in. (L)	4 - 133.6 (2.2)
<b>HYDRAULIC SYSTEM</b>	
Main Pumps, Type	Variable piston
Total Main Pump Flow gpm (L/m)	33 (125)
Normal Relief Pressure psi (kPa)	Not published
Auxiliary Hyd. Max Flow Rate gpm (L/m)	22.5 (85.2)
Lever Pattern Change	Std
<b>UNDERCARRIAGE</b>	
Track type - Std / Opt	Rubber belt / Steel shoe optional
Track Length on ground ft (mm)	6' 6.3" (1990)
Ground Clearance in. (mm)	13.4" (340)
Standard Track Width in (mm)	15.7" (400)
Ground Pressure, Std. Track psi (kPa)	4.06 (28.0)
Max. Travel Speed mph (kph)	2.8 (4.5)
Gradeability % - (deg)	Not published
Max. Drawbr Pull lb (kg)	Not published
<b>BUCKET</b>	
Std. Bucket Width in. (mm)	Not published
Bucket Size SAE cu ft (cu m)	Not published
<b>BLADE</b>	
Blade Width ft (mm)	6' 6.7" (2000)
Blade Height in. (mm)	16.9" (429)
Blade Max Lift Above Grd. Level in. (mm)	16.9" (429)
Blade Max Lift Below Grd. Level in. (mm)	13.2" (335)
<b>PERFORMANCE</b>	
Standard Arm ft (mm)	4' 6.3" (1380)
Max. Digging Height ft (mm)	18' 11" (5770)
Max. Digging Depth ft (mm)	11' 9.7" (3600)
Max. Digging Reach ft (mm)	19' 6" (5940)
Max. Digging Reach @ G.L. ft (mm)	Not published
Max. Dump Height ft (mm)	13' 4.6" (160.6)
Max. Vertical Digging Depth ft (mm)	Not published
Min. Front Swing Radius ft (mm)	7' 0.6" (2150)
Min Frt Swing Radius w/Boom Swing ft (mm)	Not published
Boom Swing Angle degrees L/R	80° / 60°
Lift Cap. Over Front @ 10' G.L. lb (kg)	5,258 (2385)
Lift Cap. Over Side @ 10' G.L. lb (kg)	2,301 (1044)
Arm Force - Std. Arm lb (kg)	5,401 (24.0)
Bucket Digging Force lb (kg)	8,273 (36.8)
Tail Swing Radius ft (mm)	3' 3.4" (1000)
Tail Overhang over Side of Track in. (mm)	0
Swing Speed rpm	9.0
<b>TRANSPORT SPECIFICATIONS</b>	
Std. Transport Length ft (mm)	17' 11" (5460)
Std. Transport Height ft (mm)	8' 3" (2510)
Std. Transport Width ft (mm)	6' 6.7" (2000)
<b>CAPACITIES</b>	

Fuel Tank gal (L)	18.5 (70)
Hydraulic Reservoir gal (L)	13 (50.0)
<b>SAE OPERATING WEIGHT lb (kg)</b>	<b>10,811 (4904)</b>
Metric Ton Weight	4.904

Specifications are based on published information at the time of publication. Specifications are subject to change without notice.

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