

## 220D W Monoblock Boom

## Specs

<b>MANUFACTURER</b>	<b>John Deere</b>
<b>MODEL</b>	<b>220D W Monoblock Boom</b>
<b>DATE OF SPECIFICATION</b>	Feb-08
<b>ENGINE</b>	
Manufacturer/Model	Isuzu / 4HK1X
Net Power hp (kW) @ Rated rpm	159 (119) @ 2000
# Cylinders and Displacement cu in.(L)	4 - 317 (5.2)
<b>HYDRAULIC SYSTEM</b>	
System Design	Not published
Main Pump Type	Variable axial-piston
Total Main Pump Flow gpm (L/M)	49.9 (189)
Normal Relief Pressure psi (kPa)	4975 (34280)
Boost Relief Pressure psi (kPa)	None
Max. Propel Pressure psi (kPa)	4975 (34280)
<b>WHEELED DRIVE</b>	
Wheelbase ft (mm)	9' 0" (2740)
Standard Tire Size	10.00-20
Optional Tire Size	None
Ground Clearance in.(mm)	13" (330)
Max. Travel Speed mph (km/h)	23.3 (37.5)
Gradeability %-(deg)	70% (35°)
<b>BLADE/OUTRIGGERS</b>	
Blade Width ft (mm)	8' 4" (2540)
Blade standard or optional	Std
<b>BOOM</b>	
Description	Regular one-piece
<b>ARM LENGTH</b>	
Standard Arm ft (mm)	9' 7"
Optional Arm ft (mm)	No optional arms
Bucket Range SAE cu yd (cu m)	0.52 - 1.39 (0.40 - 1.06)
Reference Bucket SAE cu yd (cu m)	0.92 (0.70)
<b>PERFORMANCE</b>	
Reach @ G.L.-Std. Arm ft (mm)	32' 8" (9960)
Max. Dig Depth-Std. Arm ft (mm)	20' 8" (6300)
Dig Depth-8' flat bottom-Std Arm ft (mm)	20' 1" (6120)
Dig Depth-vertical wall-Std Arm ft (mm)	18' 4" (5590)
Dump Height-Std.Arm ft(mm)	24' 1" (7340)
Lift Cap. Over Frt @ G.L. lb(kg)	23,383 (10607) @15'
Lift Cap. 360 deg. @ G.L. lb (kg)	19,465 (8829) @15'
Arm Force-Normal-Std.Arm lb (kN)	22,873 (101.7)
Arm Force-Boost-Std.Arm lb (kN)	None
Bucket Digging Force-Normal lb (kN)	28,904 (128.6)
Bucket Digging Force-Boost lb (kN)	None
Tail Swing Radius ft (mm)	9' 0" (2740)
Tail Overhang,over side-std tires in(mm)	54.5" (1380)
Swing Speed rpm	12.2
<b>TRANSPORT SPECIFICATIONS</b>	
Std. Transport Length ft(mm)	31' 10" (9700)
Standard Transport Height ft (mm)	10' 5" (3180)
Standard Transport Width ft (mm)	8' 11" (2720)
<b>CAPACITIES</b>	
Fuel Tank gal (L)	94 (356)
Hydraulic Reservoir gal (L)	53 (200.6)

<b>SAE OPERATING WEIGHT lb (kg)</b>	49,207 (22320)
Metric Ton Weight	22.32

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

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