

220D W Two-Piece Boom

Specs

MANUFACTURER	John Deere
MODEL	220D W Two-Piece Boom
DATE OF SPECIFICATION	Feb-08
ENGINE	
Manufacturer/Model	Isuzu / 4HK1X
Net Power hp (kW) @ Rated rpm	159 (119) @ 2000
# Cylinders and Displacement cu in.(L)	4 - 317 (5.2)
HYDRAULIC SYSTEM	
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)
WHEELED DRIVE	
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°)
BLADE/OUTRIGGERS	
Blade Width ft (mm)	8' 4" (2540)
Blade standard or optional	Std
BOOM	
Description	Two-piece
ARM LENGTH	
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)
PERFORMANCE	
Reach @ G.L.-Std. Arm ft (mm)	32' 0" (9750)
Max. Dig Depth-Std. Arm ft (mm)	19' 11" (6070)
Dig Depth-8' flat bottom-Std Arm ft (mm)	19' 8" (5990)
Dig Depth-vertical wall-Std Arm ft (mm)	17' 3" (5260)
Dump Height-Std.Arm ft(mm)	25' 0" (7620)
Lift Cap. Over Frt @ G.L. lb(kg)	23,032 (10447) @15'
Lift Cap. 360 deg. @ G.L. lb (kg)	20,086 (9111) @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
TRANSPORT SPECIFICATIONS	
Std. Transport Length ft(mm)	30' 7" (9320)
Standard Transport Height ft (mm)	11' 1" (3380)
Standard Transport Width ft (mm)	8' 11" (2720)
CAPACITIES	
Fuel Tank gal (L)	94 (356)
Hydraulic Reservoir gal (L)	53 (200.6)

SAE OPERATING WEIGHT lb (kg)	51,368 (23301)
Metric Ton Weight	23.3

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

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