

310SJ

Specs

MANUFACTURER	John Deere
MODEL	310SJ
DATE OF SPECIFICATION	Mar-07
ENGINE	
Manufacturer/Model	John Deere / 4045T
Net Power hp (kW) @ Rated rpm	92 (69) @ 2000
# Cylinders and Displacement cu in. (L)	4 - 276 (4.5)
ELECTRICAL Volts / Alternator Amps	12 / 90
TRANSMISSION	
Type	Powershift / Power shuttle
Speed Ranges F/R	4 x 3
Forward	22.5 (36.2)
Reverse	13.1 (21.1)
BRAKES	
Type	Wet multiple disc
Actuation	Hydraulic
HYDRAULIC SYSTEM	
Pump Type	Tandem gear
Pump Flow gpm (L/min.)	36 (136)
System Pressure psi (kPa)	3625 (24980)
BACKHOE, Fixed Length Dipperstick	
Max. Digging Depth, ft & in. (mm)	14' 6" (4420)
2 ft (0.61 m) Flat Bottom, ft & in. (mm)	14' 4" (4370)
Reach from Swing Center, ft & in. (mm)	18' 3" (5560)
Truck Loading Height, ft & in. (mm)	11' 3" (3430)
Digging Force Crowd, lb (kN)	8,090 (36.0)
Bucket, Power Dig, lb (kN)	11,990 (53.3)
Boom Lift Cap. @ Ground Level, lb (kg)	3,045 (1381)
Dipperstick Lift Cap.@12' height lb (kg)	5,585 (2533)
EXTENDABLE DIPPERSTICK	
Optional, Standard, None	Optional
Amount of Extension, ft (m)	3' 6"
Max. Digging Depth, ft & in. (mm)	14' 11" (4550)
2 ft (0.61 m) Flat Bottom, ft & in. (mm)	14' 9" (4500)
Reach from Swing Center, ft & in. (mm)	18' 7" (5660)
Truck Loading Height, ft & in. (mm)	11' 3" (3430)
Digging Force Crowd, lb (kN)	Not published
Bucket, Power Dig, lb (kN)	Not published
Boom Lift Cap. @ Ground Level, lb (kg)	2,684 (1217)
Dipperstick Lift Cap.@12' height lb (kg)	4,384 (1989)
Max. Digging Depth, ft & in. (mm)	18' 5" (5610)
2 ft (0.61m) Flat Bottom, ft & in. (mm)	18' 3" (5560)
Reach from Swing Center, ft & in. (mm)	21' 11" (6680)
Truck Loading Height, ft & in. (mm)	14' 1" (4290)
Digging Force Crowd, lb (kN)	Not published

Boom Lift Cap. @ Ground Level, lb (kg)	2,053 (931)
Dipperstick Lift Cap. @ 12' height lb (k	2,674 (1213)
BACKHOE STANDARD BUCKET	
SAE Heaped Capacity, cu ft (cu m)	Not published
Backhoe Bucket Width, in. (mm)	12" - 30" (300 - 760)
Bucket Rotation, deg.	190°
LOADER	
SAE Heaped Capacity, cu yd (cu m)	1 (0.77)
Loader Bucket Width, in. (mm)	86" (2180)
Breakout Force, lb (kN)	11,160 (49.6)
Lift Capacity to Full Height, lb (kg)	7,419 (3365)
Dump Clearance @ 45 deg., ft & in. (mm)	8' 10" (2690)
Dump Reach, in. (mm)	30.9" (780)
Bucket Hinge Pin Max. Hgt, ft & in. (mm)	11' 2" (3400)
Coupler (Mechanical, Hydraulic)	Opt / Hydraulic
TWO WHEEL DRIVE	
Wheelbase, in. (mm)	83" (2110)
Without Brakes, ft in. (mm)	12' 11" (3940)
With Brakes, ft in. (mm)	11' 4" (3450)
Without Brakes, ft in. (mm)	35' 4" (10770)
With Brakes, ft in. (mm)	32' 5" (9880)
FOUR WHEEL DRIVE	
Wheelbase, in. (mm)	84" (2130)
Without Brakes, ft in. (mm)	13' 5" (4090)
With Brakes, ft in. (mm)	11' 9" (3580)
Without Brakes, ft in. (mm)	36' 3" (11050)
With Brakes, ft in. (mm)	33' 2" (10110)
DIMENSIONS	
Transport Height ft & in. (mm)	11' 6" (3510)
Transport Length ft & in. (mm)	23' 6" (7160)
Transport Width ft & in. (mm)	7' 2" (2180)
Width Over Tires in. (mm)	7' 2" (2180)
STANDARD TIRES	
Rear Tire Size 2wd	19.5L-24 10 PR
Rear Tire Size 4wd	19.5L-24 10 PR
Front Tire Size 2wd	11L-16 12 PR
Front Tire Size 4wd	12.5/80-18 10 PR
CAPACITIES	
Fuel Tank gal (L)	41 (155)
Hydraulic Reservoir gal (L)	10.2 (39)
OPERATING WEIGHT, lb (kg) 2WD,ROPS	14,430 (6545)
OPERATING WT, lb (kg) 4WD, CAB,EXT.HOE	16,960 (7693)

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

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