

310SJ

**Specs**

<b>MANUFACTURER</b>	<b>John Deere</b>
<b>MODEL</b>	<b>310SJ</b>
<b>DATE OF SPECIFICATION</b>	Jan-09
<b>ENGINE</b>	
Manufacturer/Model	John Deere / 4045HT054
Net Power hp (kW) @ Rated rpm	93 (69) @ 2000
# Cylinders and Displacement cu in. (L)	4 - 276 (4.5)
<b>ELECTRICAL Volts / Alternator Amps</b>	12 / 90
<b>TRANSMISSION</b>	
Type	Powershift / Power shuttle
Speed Ranges F/R	4 x 3
Forward	22.5 (36.2)
Reverse	13.1 (21.1)
<b>BRAKES</b>	
Type	Wet multiple disc
Actuation	Hydraulic
<b>HYDRAULIC SYSTEM</b>	
Pump Type	Tandem gear
Pump Flow gpm (L/min.)	36 (136)
System Pressure psi (kPa)	3625 (24980)
<b>BACKHOE, Fixed Length Dipperstick</b>	
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)
<b>EXTENDABLE DIPPERSTICK</b>	
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)
<b>BACKHOE STANDARD BUCKET</b>	
SAE Heaped Capacity, cu ft (cu m)	Not published
Backhoe Bucket Width, in. (mm)	12" - 30" (300 - 760)
Bucket Rotation, deg.	190°
<b>LOADER</b>	
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** 14,510 (6582 )

**OPERATING WT, lb (kg) 4WD, CAB,EXT.HOE** 18,258 (8282)

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

07/24/2009