

310J LOADER BACKHOE

Specs

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|---|----------------------------|
| MANUFACTURER | John Deere |
| MODEL | 310J LOADER BACKHOE |
| DATE OF SPECIFICATION | Mar-07 |
| ENGINE | |
| Manufacturer/Model | John Deere / 4045D |
| Net Power hp (kW) @ Rated rpm | 72 (54) @ 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 2 |
| Forward | 22.4 (36.1) |
| Reverse | 8.2 (13.2) |
| BRAKES | |
| Type | Wet multiple disc |
| Actuation | Hydraulic |
| HYDRAULIC SYSTEM | |
| Pump Type | Gear |
| Pump Flow gpm (L/min.) | 28 (106) |
| System Pressure psi (kPa) | 3625 (24980) |
| BACKHOE, Fixed Length Dipperstick | |
| Max. Digging Depth, ft & in. (mm) | 14' 3" (4340) |
| 2 ft (0.61 m) Flat Bottom, ft & in. (mm) | 14' 2" (4320) |
| Reach from Swing Center, ft & in. (mm) | 17' 10" (5440) |
| Truck Loading Height, ft & in. (mm) | 10' 11" (3330) |
| Digging Force Crowd, lb (kN) | 7,006 (31.2) |
| Bucket, Power Dig, lb (kN) | 11,106 (49.4) |
| Boom Lift Cap. @ Ground Level, lb (kg) | 2,545 (1154) |
| Dipperstick Lift Cap.@12' height lb (kg) | 4,859 (2204) |
| EXTENDABLE DIPPERSTICK | |
| Optional, Standard, None | Optional |
| Amount of Extension, ft (m) | 3' 6" |
| Max. Digging Depth, ft & in. (mm) | 14' 5" (4390) |
| 2 ft (0.61 m) Flat Bottom, ft & in. (mm) | 14' 4" (4370) |
| Reach from Swing Center, ft & in. (mm) | 18' 1" (5510) |
| Truck Loading Height, ft & in. (mm) | 11' 1" (3380) |
| Digging Force Crowd, lb (kN) | Not published |
| Bucket, Power Dig, lb (kN) | Not published |
| Boom Lift Cap. @ Ground Level, lb (kg) | 2,227 (1010) |
| Dipperstick Lift Cap.@12' height lb (kg) | 4,437 (2013) |
| Max. Digging Depth, ft & in. (mm) | 17' 11" (5460) |
| 2 ft (0.61m) Flat Bottom, ft & in. (mm) | 17' 10" (5440) |
| Reach from Swing Center, ft & in. (mm) | 21' 5" (6530) |
| Truck Loading Height, ft & in. (mm) | 13' 11" (4240) |
| Digging Force Crowd, lb (kN) | Not published |
| Boom Lift Cap. @ Ground Level, lb (kg) | 1,697 (770) |
| Dipperstick Lift Cap. @ 12' height lb (k | 2,841 (1289) |
| 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 | |

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|--|-----------------|
| SAE Heaped Capacity, cu yd (cu m) | 1 (0.77) |
| Loader Bucket Width, in. (mm) | 82" (2080) |
| Breakout Force, lb (kN) | 8,500 (37.8) |
| Lift Capacity to Full Height, lb (kg) | 6,200 (2812) |
| 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' 1" (3380) |
| 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

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|--------------------------------|---------------|
| Transport Height ft & in. (mm) | 11' 3" (3430) |
| Transport Length ft & in. (mm) | 23' 3" (7090) |
| Transport Width ft & in. (mm) | 7' 2" (2180) |
| Width Over Tires in. (mm) | 6' 10" (2080) |

STANDARD TIRES

| | |
|---------------------|-----------------|
| Rear Tire Size 2wd | 19.5 L-24 10 PR |
| Rear Tire Size 4wd | 19.5 L-24 10 PR |
| Front Tire Size 2wd | 11L-15 8 PR |
| Front Tire Size 4wd | 12-16.5 8 PR |

CAPACITIES

| | |
|-----------------------------|-----------|
| Fuel Tank gal (L) | 41 (155) |
| Hydraulic Reservoir gal (L) | 10.2 (39) |

OPERATING WEIGHT, lb (kg) 2WD,ROPS 13,800 (6260)

OPERATING WT, lb (kg) 4WD, CAB,EXT.HOE 16,140 (7321)

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