ENGINE	315SE	
Type		harged
Rated power @ 2,200 rpm		
	80 SAE net hp (60 kW)	
Cylinders		
Displacement		
Fuel consumption, typical		7 L/h)
Torque rise		
Maximum net torque	271 lbft. (368 Nm)	
Lubrication		
	dual stage dry type with safety element and precleaner	
Electrical system	12 volt with 65-amp alterna	ator
Sucker-type cooling fan		
TRANSMISSION	four-speed, helical cut gear, collar shift transmission synchronized in all gears with hydraulic reverser	
Torque converter, single stage, dual phase with	J	
2.63:1 stall ratio	11 in. (280 mm)	
Travel speeds with 16.9-28 rear tires	Forward	Reverse
Gear 1		4.2 mph (6.8 km/h)
Gear 2	* '	7.0 mph (11.3 km/h)
Gear 3		17.1 mph (27.5 km/h)
Gear 4	25.8 mph (41.5 km/h)	28.8 mph (46.3 km/h)
FINAL DRIVES	heavy-duty, inboard planetary final drives evenly distribute shock loads over three ge	
BRAKES	hydraulic wet disk, mounte	d inboard, self adjusting and self equalizing
CAPACITIES		
Fuel tank (with ground level fueling)	36 gal. (136 L)	
Engine coolant		
Engine oil including filter		
Torque converter and transmission		
Hydraulic system	1 , ,	
Rear axle	3.5 gal. (13 L)	
Mechanical-front-wheel-drive axle	2.3 gal. (8.5 L)	
STEERING	hydrostatic power steering	and emergency steering conform to ISO5010
Non-powered axle		
Curb turning radius with brakes	11 ft 9 in (3.57 m)	
Without brakes		
Bucket clearance circle with brakes	· /	
Without brakes		
Steering wheel turns, stop to stop		
Mechanical-front-wheel-drive		
Curb turning radius with brakes	10 ft. 11 in. (3.34 m)	
Without brakes		
Bucket clearance circle with brakes		
Without brakes		
Steering wheel turns, stop to stop		
Axle oscillations stop to stop, both axles		
Axle ratings (SAE J43)	<u> </u>	
Front		
Rear		
HYDRAIII IC SYSTEM		
HYDRAULIC SYSTEM System	onen center	
System	open center	
System Pressure	•	
System Pressure Backhoe		
System Pressure Backhoe Loader	3,625 psi (25 000 kPa) 3,625 psi (25 000 kPa)	oader
System Pressure Backhoe Loader Pump	3,625 psi (25 000 kPa) 3,625 psi (25 000 kPa)	oader
System Pressure Backhoe Loader Pump Flow @ 2,200 rpm		oader
System Pressure Backhoe Loader Pump	3,625 psi (25 000 kPa)3,625 psi (25 000 kPa)gear type, tandem with unl	oader

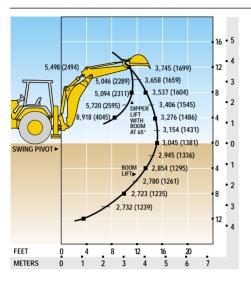
CYLINDERS	315SE		
	Bore	Stroke	Rod
Loader boom (2)	3.15 in. (80 mm)	31.1 in. (790 mm)	1.97 in. (50 mm)
Loader bucket (1)	3.15 in. (80 mm)	33.7 in. (856 mm)	1.77 in. (45 mm)
Backhoe boom (1)	4.72 in. (120 mm)	31.3 in. (795 mm)	2.20 in. (56 mm)
Backhoe crowd (1)	` ,	23.9 in. (607 mm)	2.48 in. (63 mm)
Backhoe bucket (1)	` ,	31.9 in. (810 mm)	2.20 in. (56 mm)
Backhoe swing (2)		10.9 in. (278 mm)	1.97 in. (50 mm)
Backhoe extendable dipperstick (1)		42.0 in. (1067 mm)	1.77 in. (45 mm)
		, ,	, ,
Backhoe stabilizer (2)		19.7 in. (500 mm)	1.97 in. (50 mm)
Steering (1) non-powered axle		9.49 in. (241 mm)	0.98 in. (25 mm)
Steering (1) MFWD	2.56 in. (65 mm)	8.27 in. (210 mm)	1.42 in. (36 mm)
TIRES			
	Rear	Front	
With non-powered front axle	16.9-24, 8 PR R4	11L-15, 8 PR F3	
	16.9-28, 10 PR R4	11L-16, 12 PR F3	
	19.5L-24, 8 PR R4	11L-16, 12 PR F3	
With mechanical-front-wheel-drive	16.9-28. 10 PR R4	12.5/80-18, 10 PR	
	19.5L-24, 8 PR R4	12.5/80-18, 10 PR	
CAE ODEDATING WEIGHTS			
SAE OPERATING WEIGHTS Standard	14 700 lb (6670 lm)		
Standard			
Cab adds			
Mechanical-front-wheel-drive with tires adds	485 lb. (220 kg)		
Extendable dipperstick excluding required counter- weight adds	490 lb. (222 kg)		
Optional 400-lb. counterweight adds			
Optional 650-lb. counterweight adds			
Optional 250-lb. bolt-on counterweight adds			
Backhoe bucket coupler adds			
See backhoe and loader performance data for bucket weigh	ts.		
LOADER BUCKETS			
	Width	Heaped Capacity	Weight
Heavy-duty long lip	92 in. (2340 mm)	1.30 cu. vd. (1.00 m <sup>3</sup> )	1,050 lb. (476 kg)
Heavy-duty long lip		1.30 cu. yd. (1.00 m <sup>3</sup> ) 1.12 cu. yd. (0.86 m <sup>3</sup> )	1,050 lb. (476 kg)
Heavy-duty long lip Multipurpose	86 in. (2180 mm)	1.12 cu. yd. (0.86 m <sup>3</sup> )	1,450 lb. (658 kg)
Multipurpose		1.12 cu. yd. (0.86 m <sup>3</sup> )	1,450 lb. (658 kg)
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)	1,450 lb. (658 kg) 1,550 lb. (703 kg)
Multipurpose		1.12 cu. yd. (0.86 m <sup>3</sup> )	1,450 lb. (658 kg) 1,550 lb. (703 kg)
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN)	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN)	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN 5,628 lb. (25.0 kN)
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN) 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN) 5,628 lb. (25.0 kN) 180 degrees right foot treadle
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dipper Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg) erstick* Extended 12,158 lb. (54.1 kN) 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick*  Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick*  Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick*  Extended  12,158 lb. (54.1 kN) 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted 12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees Weight
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Capacity 7.5 cu. ft. (0.21 m³)	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg)
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Capacity 7.5 cu. ft. (0.21 m³) 3.3 cu. ft. (0.09 m³) 5.1 cu. ft. (0.14 m³)	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick*  Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg)
Multipurpose		1.12 cu. yd. (0.86 m³) 1.25 cu. yd. (0.96 m³)  With Extendable Dippe Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Capacity 7.5 cu. ft. (0.21 m³) 3.3 cu. ft. (0.09 m³) 5.1 cu. ft. (0.14 m³) 7.5 cu. ft. (0.21 m³)	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick*  Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg)
Multipurpose		## 1.12 cu. yd. (0.86 m³)  1.25 cu. yd. (0.96 m³)  ## With Extendable Dipper Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees  ## Capacity 7.5 cu. ft. (0.21 m³) 3.3 cu. ft. (0.09 m³) 5.1 cu. ft. (0.14 m³) 7.5 cu. ft. (0.21 m³) 8.8 cu. ft. (0.25 m³)	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended 12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg) 420 lb. (191 kg)
Multipurpose		## 1.12 cu. yd. (0.86 m³)  1.25 cu. yd. (0.96 m³)  ## With Extendable Dipper Retracted  12,158 lb. (54.1 kN) 7,796 lb. (34.7 kN) 180 degrees right foot treadle 190 degrees 8 degrees  ## Capacity 7.5 cu. ft. (0.21 m³) 3.3 cu. ft. (0.09 m³) 5.1 cu. ft. (0.14 m³) 7.5 cu. ft. (0.21 m³) 8.8 cu. ft. (0.25 m³) 10.0 cu. ft. (0.28 m³)	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg) 420 lb. (191 kg) 445 lb. (202 kg)
Multipurpose		## Capacity  7.5 cu. ft. (0.21 m³)  **Capacity** 7.5 cu. ft. (0.21 m³)  **Capacity** 7.5 cu. ft. (0.21 m³)  **Signal of the content of the co	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg) 420 lb. (191 kg) 445 lb. (202 kg) 510 lb. (231 kg)
Multipurpose		## Capacity  7.5 cu. ft. (0.21 m³)  7.5 cu. ft. (0.21 m³)  **Capacity**  **Capacity*  *	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg) 420 lb. (191 kg) 445 lb. (202 kg) 510 lb. (231 kg) 362 lb. (164 kg)
Multipurpose		## Capacity  7.5 cu. ft. (0.21 m³)  **Capacity** 7.5 cu. ft. (0.21 m³)  **Capacity** 7.5 cu. ft. (0.21 m³)  **Signal of the content of the co	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg) 420 lb. (191 kg) 445 lb. (202 kg) 510 lb. (231 kg)
Multipurpose		## Capacity  7.5 cu. ft. (0.21 m³)  7.5 cu. ft. (0.21 m³)  **Capacity**  **Capacity*  *	1,450 lb. (658 kg) 1,550 lb. (703 kg)  erstick* Extended  12,158 lb. (54.1 kN 5,628 lb. (25.0 kN) 180 degrees right foot treadle 190 degrees 8 degrees  Weight 350 lb. (159 kg) 295 lb. (134 kg) 335 lb. (152 kg) 400 lb. (181 kg) 420 lb. (191 kg) 445 lb. (202 kg) 510 lb. (231 kg) 362 lb. (164 kg)
Multipurpose	### Width Standard Backhoe*  ### With Standard Backhoe*  ### ### 11,990 lb. (53.3 kN)  ### 8,090 lb. (36.0 kN)  ### 180 degrees  ### two levers  ### 190 degrees  ### 190 degrees  ### 190 degrees  ### 100 degree	## Capacity    Capacity	### 1,450 lb. (658 kg) 1,550 lb. (703 kg)  ###################################

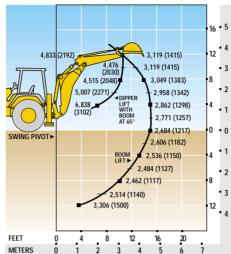
\*Lift capacities are over-end values in lb. (kg) according to SAE J31. Figures listed are 87% of the maximum lift force available. Base vehicle includes counterweight.

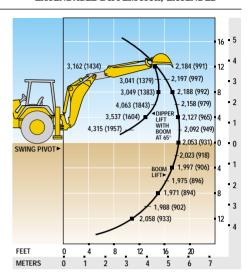
## 315SE BACKHOE WITH STANDARD DIPPERSTICK

## 315SE BACKHOE WITH 3-FT. 6-IN. (1.07 M) EXTENDABLE DIPPERSTICK, RETRACTED

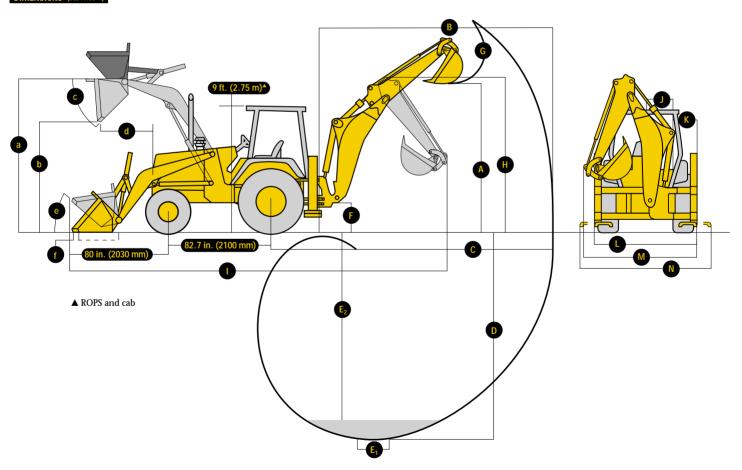
315SE BACKHOE WITH 3-FT. 6-IN. (1.07 M) EXTENDABLE DIPPERSTICK, EXTENDED







## **DIMENSIONS** (SEE PAGE 7.)

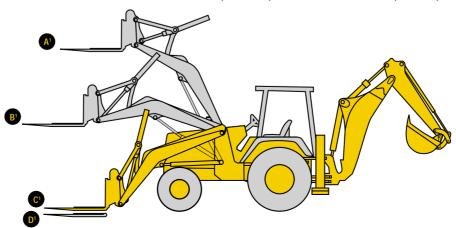


ACKHOE		315SE		
	With Standard Backhoe*	With Extendable Dipp Retracted	erstick* Extended	
A Loading height, truck loading position		11 ft. 9 in. (3.58 m)	14 ft. 3 in. (4.34 m	
Reach from center of swing pivot		18 ft. 5 in. (5.61 m)	21 ft. 9 in. (6.63 m	
Reach from center of rear axle	22 ft. 8 in. (6.91 m)	23 ft. (7.01 m)	26 ft. 4 in. (8.03 m	
Maximum digging depth	14 ft. 1 in. (4.29 m)	14 ft. 7 in. (4.42 m)	18 ft. (5.49 m)	
Digging depth (SAE): (1) 2-ft. (610 mm) flat bottom	•	14 ft. 5 in. (4.40 m) 13 ft. 5 in. (4.09 m)	17 ft. 10 in. (5.44 r 17 ft. 1 in. (5.21 m	
Ground clearance, minimum	13.8 in. (350 mm)	13.8 in. (350 mm)	13.8 in. (350 mm)	
Bucket rotation	190 degrees	190 degrees	190 degrees	
Transport height	12 ft. (3.67 m)	11 ft. 11 in. (3.48 m)	11 ft. 11 in. (3.48 n	
Overall length, transport	17 ft. 3 in. (5.26 m)	17 ft. 3 in. (5.26 m)	17 ft. 3 in. (5.26 m	
Side-shift from tractor centerline	22.9 in. (582 mm)	22.9 in. (582 mm)	22.9 in. (582 mm)	
Wall to swing centerline	22.8 in. (580 mm)	22.8 in. (580 mm)	22.8 in. (580 mm)	
Stabilizer width - transport with ROPS	7 ft. 7 in. (2.32 m)	7 ft. 7 in. (2.32 m)	7 ft. 7 in. (2.32 m)	
Overall width (less loader bucket)	91 in. (2.32 m)	93 in. (2.36 m)	93 in. (2.36 m)	
Stabilizer overall width - operating* *Backhoe specifications are with 24 in. x 7.5 cu. ft. (61		7 ft. 7 in. (2.32 m)	7 ft. 7 in. (2.32 m)	
OADER PERFORMANCE WITH BUCKET OPTIONS				
	1.30 cu. yd. (1.00 m³) Heavy- Duty Long Lip	1.12 cu. yd. (0.86 m³) Multipurpose	1.25 cu. yd. (0.96 m³) Multipurpose	
Operator control	single lever	single lever	single lever	
Breakout force	8,900 lb. (39.6 kN)	8,325 lb. (37.0 kN)	8,300 lb. (36.9 kN)	
Lifting capacity, full height	7,200 lb. (3266 kg)	5,900 lb. (2676 kg)	6,700 lb. (3040 kg)	
Height to bucket hinge pin, maximum	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m	
Dump clearance, bucket at 45 degrees	8 ft. 8 in. (2.64 m)	8 ft. 7 in. (2.62 m)	8 ft. 7 in. (2.62 m)	
Bucket dump angle, maximum	45 degrees	45 degrees	45 degrees	
Reach at full height, bucket at 45 degrees	30.1 in. (765 mm)	32.2 in. (818 mm)	32.2 in. (818 mm)	
Rollback angle at ground level	40 degrees	40 degrees	40 degrees	
Digging depth below ground, bucket level	8.1 in. (206 mm)	7.3 in. (185 mm)	7.3 in. (185 mm)	
Raising time to full height	4.9 sec.	4.9 sec.	4.9 sec.	
Bucket dump time	1.1 sec.	1.1 sec.	1.1 sec.	
Bucket lowering time (power down)	1.9 sec.	1.9 sec.	1.9 sec.	

## LIFT CAPACITY WITH QUICK COUPLER/FORKS

 (A) Maximum height
 5,038 lb. (2287 kg)

 (B) Maximum reach
 7,462 lb. (3388 kg)



	815SE	315SE 31
ENGINE	Standard duty with lift loops	Suspended foot throttle
John Deere Model 4045T - 4.5 liter, 80 SAE net hp	Heavy duty with lift loops	Tilt steering
turbocharged, isolation mounted	Severe duty with lift loops	Horn
Vertical spin-on engine oil filter	<ul> <li>Backhoe bucket coupler for "C" and "D" s</li> </ul>	
Spin-on John Deere fuel filter	Deere buckets, Case buckets, and Cat but	
Oil-to-water engine oil cooler	<ul> <li>Extendable dipperstick, 3 ft. 6 in. extension</li> </ul>	
Antifreeze, -34°F (-37°C)	<ul> <li>Auxiliary backhoe valve for swingers, thur</li> </ul>	
Coolant recovery tank	<ul> <li>Auxiliary backhoe valve for hammers, con</li> </ul>	
Serpentine belt with automatic belt tensioner	Auxiliary backhoe plumbing for hammers,	
Sucker-type cooling fan	<ul> <li>SAE controlled load lowering device valve</li> </ul>	
Enclosed safety fan guard	LOADER	Monitor system with audible and visual warning
High ambient temperature engine cooling	Hydraulic self leveling	Engine air filter restriction indicator / Alternator
Dual element dry-type air cleaner	Return-to-dig feature	indicator / Engine coolant temperature indica-
Muffler, underhood with curved-end exhaust stack	Single-lever control with electric clutch cu	toff switch tor with audible warning / Engine oil pressure
Chrome exhaust extension	Bucket-level indicator	indicator with audible warning / Hydraulic filter restriction indicator / Torque converter oil
Electric ether starting aid	Loader boom service lock	1 - 1
Engine coolant heater, 1,000 watts	Auxiliary loader hydraulics with two-lever	
POWER TRAIN	Loader front coupler	cator / Mechanical-front-wheel-drive on/off
Transmission with powershift reverser and torque	<ul> <li>Loader buckets</li> </ul>	indicator / Beacon on/off indicator
converter	Less bucket, with bucket pins	Soate and soat holts
Fully synchronized four forward, four reverse	Heavy-duty buckets with bolt-on cuttin	g edge,  Non-suspension vinyl swivel seat without armrests
speeds / Isolation mounted to mainframe	skid plates, and lift loops	Air suspension fabric suival seat with armrests
Powershift transmission with torque converter	Multipurpose buckets with bolt-on cutt	ing edge, lumbar support, and adjustable backrest
Four forward, three reverse speeds / Isolation	skid plates, and lift loops	Suspension vinyl swivel seat with armrests, lumbar
mounted to mainframe	HYDRAULIC SYSTEM	support, and adjustable backrest
Transmission oil cooler	36 gpm (136 L/min.) tandem gear pump,	
Vertical spin-on transmission filter	ter system	support, and adjustable backrest
Electric forward-neutral-reverse control lever with	Independent hydraulic reservoir	2-in. seat belt with retractors
neutral safety switch interlock	Hydraulic oil cooler	3-in. seat belt with retractors
Electric clutch cutoff on gearshift and loader levers	"O"-ring face seal connectors	Cab
Differential lock, electric foot-actuated	10-micron vertical spin-on filter	Headliner
Planetary final drives	Ride control system (automatic type)	Dome light
Hydraulic service brakes	ELECTRICAL	Left cab door
Inboard, wet multi-disc, self adjusting and self		Right cab door
equalizing / Conform to SAE J1473	12-volt system	Tinted safety glass
Parking/emergency brake with electric switch control	65-amp alternator	Two front and one rear windshield winers
Spring applied, hydraulically released wet multi-	Single battery with 150-min. reserve capac	Front windshield washer
disc / Independent of service brakes / Conforms	750 CCA	Fresh air intake heater/defroster/pressurizer
to SAE J1473	Dual batteries with 300-min. reserve capac	40,000 Btu/hr. (11.7 kW) heater
Hydrostatic power steering with emergency	1,500 CCA	Air conditioning
manual mode	Positive terminal battery cover	26,000 Btu/hr. (7.6 kW) output / CFC-free R134a
Non-powered front axle	Blade-type multi-fused circuits By-pass start safety cover on starter	refrigerant
Mechanical-front-wheel-drive with limited slip		95-amp alternator
differential	LIGHTS	AM/FM/weatherband radio
Electric on/off control / Drive-shaft guard /	Two front halogen driving/work lights, 32	,500 can- OVERALL VEHICLE
Sealed axle	dlepower each	One piece unitized construction mainframe
Tires	Two additional front halogen work lights,	Vehicle tiedowns, two front and one rear
11L-15 F3 front tires	candlepower each	Domesta success havels for front and
11L-16 F3 front tires	Two rear halogen work lights, 32,500 cand	Rigid mounted front bumper
12.5/80-18 traction front tires 16.9-24 R4 rear tires	each Two front and two roar turn signal/flashir	- Front counterwords
16.9-24 R4 rear tires 19.5L-24 R4 rear tires	I WO HOTH and two real turn signal/hashin	400 lb. (181 kg)
	1 wo rear stop and tan	650 lb. (295 kg)
Rear wheel spacers for use with chains	Two real reflectors	900 lb. (408 kg)
BACKHOE	Rotating beacon	1 150 lb (529 lm)
Backhoe with standard dipperstick, 14 ft. 6 in. dig-	Light guards*	1,150 lb. (322 kg) 1,400 lb. (635 kg)
ging depth	OPERATOR'S STATION	Fuel tank, 36 gal. (136 L), ground level fueling
Backhoe controls	Modular-design ROPS/FOPS canopy with n	
Two-lever (Deere) controls	Isolation mounted / Conforms to SAE J	
Three-lever (Case) controls	Left and right front access	Vandal protection for instrument panel, engine
Four-lever (Ford) controls	Slip-resistant steps and ergonomically loca	
SAE excavator two-lever controls	handholds	Reverse warning alarm
Backhoe transport lock lever	Molded floor mat	Switchable to 97 dB(A) or 111 dB(A)
Swing lock pin stored in operator's station	Headliner	Dent-resistant rear fenders
Stabilizer valve with two-direction anti-drift valves	Coat hook	Rear fender extensions
Pivoting stabilizers	Built-in beverage and Thermos® bottle ho	
With dirt pads	Built-in Operator's Manual storage compa	
With reversible pads	with manual	Rental kit
Stabilizer cylinder guards	Interior rearview mirror	
	Interior rearview mirror Outside rearview mirrors	Special color paint*  Bottom guard*

**KEY**: ● Standard equipment ■ Optional or special equipment

\*See your John Deere dealer for further information.



Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000 feet (3050 m). Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with 16.9-28, 8 PR R4 rear tires, 11L-16, 12 PR F3 front tires, 1.30 cu. yd.  $(1.00 \text{ m}^3)$  loader bucket, and  $24 \text{ in.} \times 7.5 \text{ cu.}$  ft.  $(610 \text{ mm} \times 0.21 \text{ m}^3)$  backhoe bucket.

