

**case**

W11 Loader



**55 SAE NET FLYWHEEL HORSEPOWER
(41 kW)**

Case 207 in³ (3393 cm³) diesel engine

FULL POWERSHIFT TRANSMISSION

Three speeds forward, three reverse

MODULATED TRANSMISSION

On-the-go directional changes without decelerating or braking; keeps engine speed up, hydraulics cycling fast for added productivity

IN-LINE LOADER LINKAGE

Low profile design. All linkage in line with the loader lift arms for good visibility to bucket work area

**LONG 92" (2337 mm) WHEELBASE PLUS
40° ARTICULATION**

Combines operational stability and balance with short turning radius

CENTER-PIVOT STEER

Allows rear and front tires to track at all times

INTEGRATED HYDRAULICS

Provides power on demand for loader-steering-braking; more efficient use of hp available

Unit shown is equipped with non-standard items.

J I Case

A Tenneco Company

700 State Street Racine, WI 53404 U.S.A.



LOADER SPECIFICATIONS

ENGINE

Make and model	Case G207D
Fuel	diesel
Maximum rated horsepower	
(1) Gross	.60 @ 2100 rpm (44.7 kW @ 2100 r/min)
(2) SAE net	.55 @ 2100 rpm (41 kW @ 2100 r/min)

Torque, maximum

At 500' (152 m) altitude, 85°F (29°C)	153 ft-lbs @ 1300 rpm (21.6 kg-m @ 1300 r/min)
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Cylinders, number (valve in head)	4
Bore and stroke	4.0" x 4.125" (102 mm x 105 mm)

Displacement	207 in ³ (3393 cm ³)
Starting	12 volt electric

Air cleaner (with service indicator)	Single element, dry type
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Oil filter	full-flow type
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(1) Manufacturer's rating of maximum engine horsepower at flywheel when equipped with oil and water pumps. Fuel set at maximum quantity for this application. Corrected to sea level 29.92" (760 mm) Hg and 60°F (15°C) dry air.

(2) SAE net flywheel horsepower of engine as applied to this vehicle when equipped with operating accessories including oil and water pumps, alternator, air cleaner, fan and muffler. Corrected to 500' (152 m) altitude with 38" (9.5 mm) Hg vapor pressure, 29.38" (746 mm) Hg observed barometer and 85°F (29°C).

TRAVEL SPEEDS*

	1st		2nd		3rd	
	mph	km/h	mph	km/h	mph	km/h
Forward	4.0	6.4	10.5	16.8	22.7	36.3
Reverse	4.0	6.4	10.5	16.8	22.7	36.3

*With either 15.0 x 19.5 or 9.00 x 20 tires

TRANSMISSION

Three speeds forward, three speeds reverse, powershift. Dual lever control.

TORQUE CONVERTER

Single stage integral with transmission. 3.05 to 1 stall ratio.

AXLES (front and rear)

Front axle fixed. Rear axle oscillates up or down 12°. 24° total oscillation. One wheel can drop 11.5" (292 mm) with all wheels remaining on the ground for maximum traction. Axle shafts may be removed without disturbing the wheels.

DIFFERENTIALS

Torque proportioning differentials, front and rear for maximum traction.

BRAKES

Hydraulic, power assisted, internal-expanding, mounted on the front wheels. Mechanical parking brake on transmission output shaft. Warning buzzer indicates when parking brake engaged. Optional four-wheel brakes available.

STEERING

Center front articulated design with hydrostatic power steering. Front and rear wheels always track.

Steering angle—each direction from center

Steering cylinder	3" dia x 12.17" stroke (76 mm dia x 309 mm stroke)
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Turning circle, outside tires

	27'3" (8306 mm)
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LOADER HYDRAULIC SYSTEM

Cylinders: Double-acting with hardened and chrome-plated rods to increase strength and resist corrosion.

Lift (2)	3.5" dia x 28.5" stroke (89 mm dia x 724 mm stroke)
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Bucket (2)	2.5" dia x 33.56" stroke (63.5 mm dia x 852 mm stroke)
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Pump: Dual tandem, gear-type, engine driven, transmission mounted.

Capacities:

Total pumps	26 gpm @ 2100 rpm @ 2500 psi (98.4 lit/min @ 2100 r/min @ 176 kg/cm ²)
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Primary pump	15 gpm @ 2100 rpm @ 2500 psi (56.8 lit/min @ 2100 r/min @ 176 kg/cm ²)
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Secondary pump	11 gpm @ 2100 rpm @ 2500 psi (41.6 lit/min @ 2100 r/min @ 176 kg/cm ²)
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Control valve: Open-center, series parallel circuit.

Hydraulic lines: Steel tubing with steel fittings and wire-braid, high-pressure hose with swaged fittings.

Reservoir: Filtered vacuum, pressurized, with relief valve. Full time micron filter for clean oil to all components of the hydraulic system.

Hydraulic cycle time:

Rated load in bucket	Seconds
Raise	5.2

Lower	5.3
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Dump	1.9
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Total	12.4
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SERVICE CAPACITIES

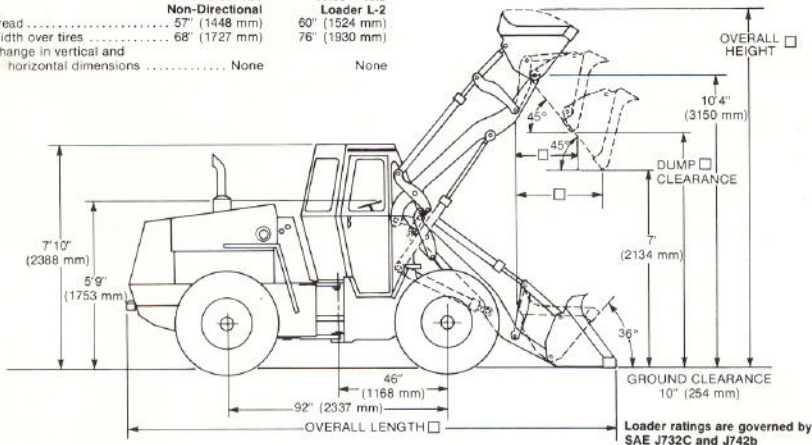
	U.S. Gals	Liters
Fuel tank	28.0	106
Hydraulic system (tank only)	10.0	37.6
Hydraulic system (total)	14.0	53
Transmission and torque converter	14.0 qt	13.25
Transmission refill capacity	13.0 qt	12.30
Engine crankcase w/filter	7.0 qt	6.62
Differentials, each	9.0 qt	8.5
Cooling system	4.0	15.14



OPERATING DIMENSIONS

□ Varies with bucket size, refer to performance specifications.

	9.00 × 20	15.00 × 19.5
	Non-Directional	Loader L-2
Tread	57" (1448 mm)	60" (1524 mm)
Width over tires	68" (1727 mm)	76" (1930 mm)
Change in vertical and horizontal dimensions	None	None



PERFORMANCE SPECIFICATIONS

Unit equipped with
.75 yd³ (.57 m³) bucket,
cab and 9.00 × 20 tires

Unit equipped with 1 yd³
(.76 m³) bucket, cab,
15.00 × 19.5 tires and
rear counterweight

Dump Clearance @ 45° Dump — Full Height	8'8"	8'6"
	(2642 mm)	(2591 mm)
Bucket Reach @ Full Height, 45° Dump	2'11"	3'1"
	(889 mm)	(940 mm)
Bucket Reach @ 7' (2133.6 mm) Clearance, 45° Dump	4'3"	4'4"
	(1295 mm)	(1321 mm)
Loader Clearance Circle — Bucket in Carry Position	29'1"	29'5"
	(8865 mm)	(8966 mm)
Overall Length	16'9"	17'0"
	(5105 mm)	(5182 mm)
Overall Height	13'0"	13'3"
	(3962 mm)	(4039 mm)
Breakout Force, lbs	10,900	10,200
	(4949 kg)	(4631 kg)
Static Tipping Load, Straight, lbs*	5610	7305
	(2547 kg)	(3316 kg)
35° Turn	4949	6365
	(2247 kg)	(2890 kg)
40° Turn	4820	6240
	(2188 kg)	(2833 kg)
Operating Weight, lbs*	8913	10,351
	(4047 kg)	(4699 kg)

*For select items, add to or deduct from the machine operating weight and tipping loads as given in the chart below.

Selected Items

Operating Weight Adjustments

Tipping Load Adjustments

	Operating Weight Adjustments		Tipping Load Adjustments					
	lbs	kg	Straight		35° Turn		40° Turn	
	lbs	kg	lbs	kg	lbs	kg	lbs	kg
Canopy	-293	-133	-140	-64	-140	-64	-140	-64
Fenders	+134	+61	+112	+51	+105	+48	+103	+47
Counterweight	+954	+433	+1596	+724	+1336	+607	+1250	+568

EQUIPMENT ATTACHMENTS

BUCKETS

Type	Capacity		Struck		Cutting Edge Width	
	SAE Rated yd ³	m ³	yd ³	m ³	Inches	mm
General Purpose75	.57	.61	.47	71.5	1816
General Purpose	1.0	.76	.81	.62	81.5	2070

STANDARD EQUIPMENT

ROPS canopy with seat belt. Alternator with voltage regulator. Maintenance free battery. 12 volt start. Front and rear flood lights. Tail light and stop light. Pusher fan. Single element, dry-type air cleaner. Electric horn. Powershift transmission. Hydraulic power assisted brakes. Parking brake. Hydrostatic power steering. Alternator warning light, engine oil pressure warning light, engine water temperature gauge, converter oil temperature gauge, clutch pressure warning light, fuel gauge, parking brake warning buzzer and tachometer. Drawbar.

OPTIONAL EQUIPMENT

ROPS cab with air pressurization and sound suppression with seat belt and defogger. Buckets. Engine side panels. Fenders. Heater. Cold weather starting equipment. Lockup kit. Turn signals. Additional driving lights. Automatic adjustable bucket height kickout. Automatic return-to-dig mechanism. Suspension seat. Spark arresting muffler. Back-up alarm. Auxiliary steering. High intensity strobe. Cylinder guards. Four wheel brakes. Precleaner.

TIRES (front and rear)

9.00 × 20, 8 PR, Non-directional Tube-Type
15.00 × 19.5, 8 PR, Loader, L-2, Tubeless

NOTE: All specifications are stated in accordance with ICED Definitions or SAE Standards or Recommended Practices, where applicable.

IMPORTANT

J I Case Company reserves the right to change these specifications without notice and without incurring any obligation relating to such change.

Sold and serviced by:



W11 equipped with 1 yd³ (.76 m³) bucket, cab, 15.00 × 19.5 tires and rear counterweight.



W11 equipped with .75 yd³ (.57 m³) bucket, cab, and 9.00 × 20 tires.