



1830 Uni-Loader®



- Hydrostatic drive
- 30 net hp (22,4 kW) water-cooled engine
- 3990 lbs (1810 kg) operating weight
- 54" (1372 mm) wide
- Less than 7' (2134 mm) to top of ROPS
- ROPS, operating and parking brake-standard

*Unit shown is equipped with non-standard items.

J I Case

A Tenneco Company

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



1830 UNI-LOADER SPECIFICATIONS

LOADER OPERATIONAL DATA

ENGINE

Make and model	Renault R688-Gas
Maximum rated horsepower	
(1) Gross	35 @ 3200 rpm (26,1 kW @ 3200 r/min)
(2) SAE net	30 @ 3200 rpm (22,4 kW @ 3200 r/min)
Bore and stroke	2.75" x 2.83" (70 mm x 72 mm)
Displacement	67.6 in. ³ (1108 cm ³)
Number of cylinders	Four
Cooling	Water
	2 U.S. gallons (7,56 liters)
Type of fuel	Regular gasoline
Fuel supply	Downdraft carburetor and diaphragm fuel pump
Fuel tank capacity	14.5 U.S. gallons (55 liters)
Engine crankcase oil capacity	3.0 U.S. quarts (2,8 liters)
Air cleaner	Dry type, replaceable element
Electrical system	
Battery	12V 55 amp hr (standard)
Alternator	12V 32 amp
Starter	12V
Ignition	Coil and points

Tipping Load-	
SAE rated	2130 lbs (966 kg)
Lift capacity to	
maximum height	2130 lbs (966 kg)
Rated lift capacity-	
Mfr. rating	1200 lbs (544 kg)
Raising time with rated load	
in the bucket	5.1 sec
Lowering time, bucket empty	3.2 sec
Rollback time from full dump	
to full rollback	3.2 sec
Breakout force	
Lift cylinders	1875 lbs (834 kg)
Tilt cylinders	3370 lbs (1499 kg)
Travel speed,	
forward and reverse	0 to 5.8 mph (10 km/h)

WEIGHTS

Shipping weight: of 3500 lbs (1587 kg) includes 6 gal. fuel, no operator, no bucket, with 7.00 x 15 tires, ROPS and standard equipment.

Operating weight: of 3990 lbs (1810 kg) includes full fuel, 175 lb (79 kg) operator, 54" (1370 mm) bucket, 7.00 x 15 tires, ROPS and standard equipment.

STANDARD EQUIPMENT (on basic unit)

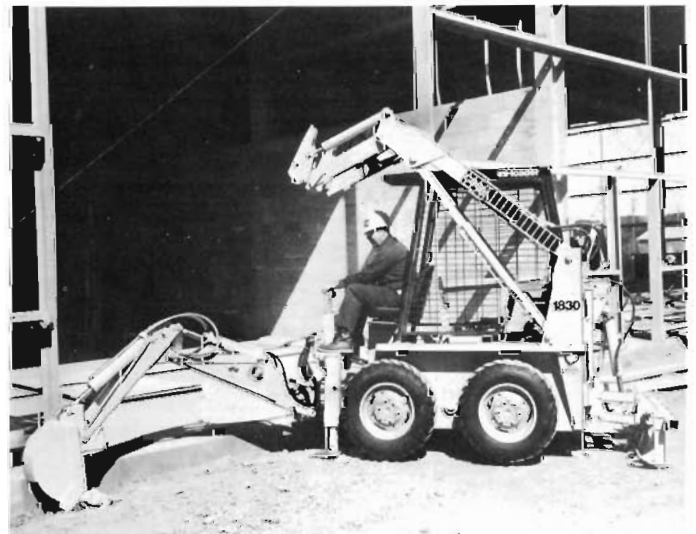
1200 lb (544 kg) loader lift capacity rating with two double acting lift cylinders, less attachments, with controls and hydraulics. 30 hp Renault water-cooled gasoline engine with fuel pump and battery ignition system. Key switch with push button type starting. 32 amp alternator. 12V battery. Dry type air cleaner. Muffler. 10 gpm (38 liters/min) hydraulic pump. Hydraulic oil filter with condition indicator light and replaceable element. Ammeter. Low engine oil pressure light. Water temperature gauge. Transmission oil temperature warning light. Hand throttle. Hand choke. Hydrostatic transmission with chain drive to all wheels. Mechanical parking and service brakes. Independent steering controls. Adjustable seat. Operator's compartment heat shield. Seat belt. ROPS. 7.00 x 15 steel cap Chevron tread tires.

POWER TRAIN

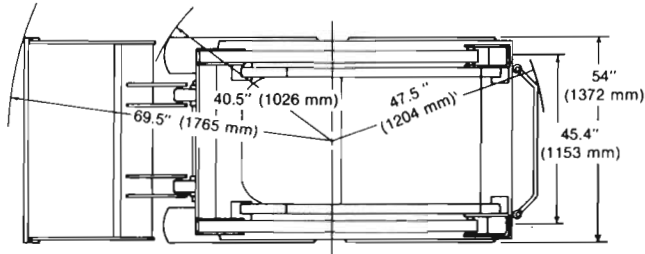
Type	Hydrostatic with two stage chain drive to wheels
Transmission	Tandem pump assembly consisting of two variable displacement pumps (and gear type system pump) and two fixed displacement piston motors.
Brakes (standard)	Drum type, mechanical linkage with parking brake lock.

HYDRAULIC SYSTEM

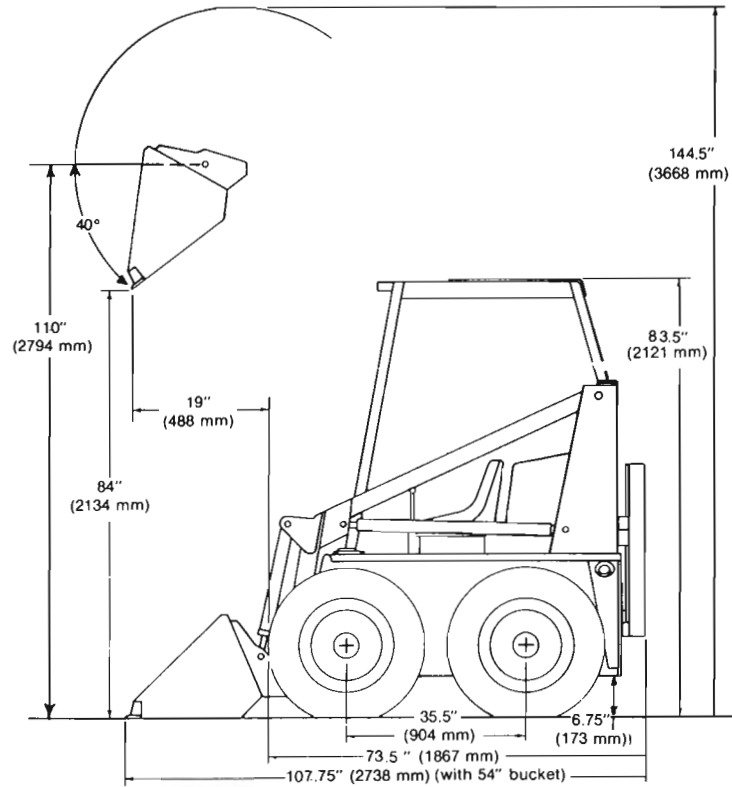
Main relief setting	2250 psi @ 3400 rpm (15,5 mPa @ 3400 r/min)
Lift cylinders (two)	2.125" dia. x 26.75" stroke, 1.25" rod (54 mm dia. x 679 mm stroke, 32 mm rod)
Bucket cylinders (two)	2.5" dia. x 15.85" stroke, 1" rod (64 mm dia. x 403 mm stroke, 25 mm rod)
Pump capacity	10 gpm @ 3400 rpm @ 2250 psi (38 lit/min @ 3400 r/min @ 15,5 mPa)
Capacities-total system	8.0 U.S. gallons (30 liters)
Filter	10 micron replaceable element with by pass valve and restriction indicator



OPERATING DIMENSIONS



NOTE: Specifications taken with full fuel, 175 lbs (79 kg) operator, 54" (1370 mm) dirt bucket, 7.00 x 15.6 PR, tires, ROPS and standard equipment, unless otherwise specified.



Type	Width		Struck Capacities		SAE Heaped Capacities		Weight		Dump Height		Dump Reach		Dump Angle	Overall Length	
	Inch	mm	cu. ft.	m ³	cu. ft.	m ³	lbs.	Kg	Inch	mm	Inch	mm		0°	Inch
Dirt	54	1370	7.7	0,22	10	0,28	264	120	84	2134	19.2	488	40°	107.8	2738
Dirt	60	1520	8.6	0,24	11.2	0,32	281	127	84	2134	19.2	488	40°	107.8	2738
Utility	54	1370	12.3	0,35	15.1	0,43	335	152	82	2083	24.4	620	35°	112.4	2855
Utility	60	1520	13.7	0,39	16.9	0,48	356	161	82	2083	24.4	620	35°	112.4	2855
Light Material	66	1680	15.1	0,43	18.8	0,53	377	171	82	2083	24.4	620	35°	112.4	2855

MANURE FORK:

Number of tines Eleven (11)
 Width between each tine 4.2" (107 mm)
 Overall width of tines 54.3" (1379 mm)
 Overall width of attachment 54.8" (1392 mm)
 Length of tine 27" (686 mm)
 Hydraulic grapple available for manure fork.

PALLET FORK:

Maximum width of forks 40" (1016 mm)
 Minimum width of forks 12" (305 mm)
 Length of fork 36" (914 mm)
 Overall width of attachment 48.5" (1232 mm)





OPTIONAL EQUIPMENT (on basic machine)

10.00 × 16.5 Sure-Grip tires. 7.00 × 15 Steel Cap tires with offset wheels. 10.00 × 16.5 Duplex, 6 PR, (flotation) tires. Add-on counterweights. Lights. Auxiliary hydraulics. Horn. Spark arresting muffler. Hourmeter. Drawbar. Tire chains.

OPTIONAL EQUIPMENT (attachments)

54" (1370 mm) and 60" (1520 mm) dirt buckets. 54" (1370 mm) and 60" (1520 mm) utility buckets. 66" (1680 mm) light material bucket. Manure fork. Hydraulic grapple. Pallet fork. Brick guard. Tool tach feature for front mounted equipment. D100 backhoe. Scarifier.

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 changes.