1816B

1816B Uni-Loader



- Hydrostatic drive
- 16 hp air-cooled engine
- 2065 lbs operating weight

- 35" wide
- . 6'4.5" to top of ROPS
- ROPS and seat belt standard

Unit shown is equipped with non-standard items.

J I Case

A Tenneco Company

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

1816B UNI-LOADER SPECIFICATIONS

ENGINE

Make and model
(1) SAE net
(11,9 kW @ 3600 r/min)
Bore and stroke
(89 × 73 mm)
Displacement
(453 cm^3)
Number of cylinders one
Coolingair
Type of fuelregular gasoline
Fuel supply electric fuel pump and carburetor
Fuel tank capacity
Engine crankcase oil capacity 1.6 U.S. quarts (1.5 liters)
Air cleaner Dry-type replaceable element
Electrical system
Battery12V 32 amp hr (standard)
Alternator
Starter 12V
Ignition Solid state ignition unit without points

(1) Per SAE definition J608.

POWER TRAIN

Type	Hydrostatic with chain drive to wheels
Transmission	Two variable displacement pumps
Brakes (optional) Pa	rking - mechanical parking brake locks
	both front drive sprockets

HYDRAULIC SYSTEM

Main relief setting	1150 ± 50 psi @ 3600 rpm
	$(81 \pm 3.5 \text{ kg/cm}^3 @ 3600 \text{ r/min})$
Lift cylinders (2)	
	(51 mm dia. × 686 mm stroke, 25 mm rod)
Tilt cylinders (2)	
	(51 mm dia. × 333 mm stroke, 25 mm rod)
Pump capacity	8.0 gpm at 3600 rpm at 1100 psi
	(.50 L/s at 3600 r/min at 7580 kPa)



LOADER OPERATIONAL DATA

Tipping Load -
SAE rated 1035 lbs (469 kg)
Lift capacity to
maximum height
Rated lift capacity -
Mfr. rating
Raising time with rated load
in the bucket 8 sec
Lowering time, bucket empty 3.7 sec
Rollback time from full dump
to full rollback
Breakout force
Lift cylinders
Tilt cylinders
Travel speed,
forward and reverse 0 to 4.8 mph (7.7 km/h)

WEIGHTS

Shipping weight: of 1740 lbs (789 kg) includes 2 gal. of fuel, no operator, no bucket, with 5.90×15 tires, ROPS and standard equipment.

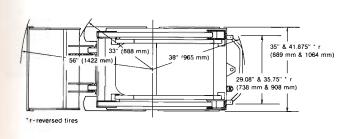
Operating weight: of 2065 lbs (937 kg) includes full fuel, 175 lb (79 kg) operator, 35" (889 mm) bucket, 5.90 × 15 tires, ROPS and standard equipment.

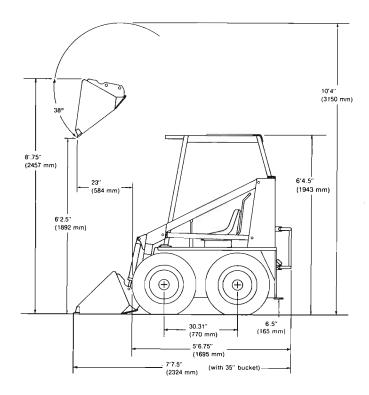
STANDARD EQUIPMENT (on basic unit)

700 lbs. (318 kg) loader lift capacity rating, with two (2) double acting lift cylinders, less attachments, with controls and hydraulics. 16.0 hp (11.9 kW). Tecumseh gasoline engine with fuel pump and solid state ignition system. Key actuated start. Enclosed flywheel alternator. 12V battery, dry-type air cleaner. Muffler. 8.0 gpm (.50 L/min) hydraulics pump. Hydraulic oil filter with condition indicator and replaceable element. Ammeter. Transmission oil temperature gauge. Hand throttle. Hand choke. Hydrostatic transmission with #60L chain drive to all wheels. Independent steering controls. Operator's compartment heat shield. Seat belt. ROPS. Non-directional lug tires.



OPERATING DIMENSIONS



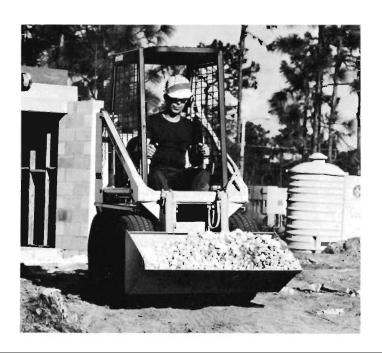


NOTE: Specifications taken with full fuel, 175 lb. (79 kg) operator, 35" (889 mm) dirt bucket, 5.90×15 4PR tires, ROPS and standard equipment, unless otherwise specified.

Туре	e Width		Struck Capacities		SAE Heaped Capacities		Weight		Dump Height		Dump Reach		Dump Angle		Overall Length	
	Inch	mm	cu.ft.	m³	cu. ft.	m³	lbs.	Kg	Inch	mm	Inch	mm	0°	Inch	mm	
Dirt Dirt	35 44	889 1118	3.82 4.84	0.11 0.14	4.93 6.34	0.14 0.18	115 130	52 59	74.5 74.25	1892 1892	23 23	584 584	38° 38°	91.5 91.5	2324 2324	
Light Material	48	1219	8.72	0.25	11.35	0.32	172	78	69.5	1765	29	737	38°	99.5	2527	

MANURE FORK

Number of tines	Seven (7)
Width between each tine 5.5"	(140 mm)
Overall width of tines 34.5"	(876 mm)
Overall width of attachment	(902 mm)
Length of tine 19.75"	(502 mm)



PALLET FORK

Maximum width of forks	37 mm)
Minimum width of forks 7.5" (19	1 mm)
Length of fork	32 mm)
Overall width of attachment	34 mm)





Chevron or "high flotation" type tires. Mechanical parking brake. Rear counterweights. Fabric ROPS enclosure. Auxiliary hydraulics. Hourmeter.

OPTIONAL EQUIPMENT (attachments)

35" (889 mm), 44" (1118 mm), and 48" (1219 mm) buckets. Pallet fork. Manure fork Manure fork grapple. Tool tach feature for front mounted equipment.

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.



