

Uni-Loader[®]

25 horsepower (18.6 kW) gasoline
25 horsepower (18.6 kW) diesel
Two-lever hand control

1825



Case

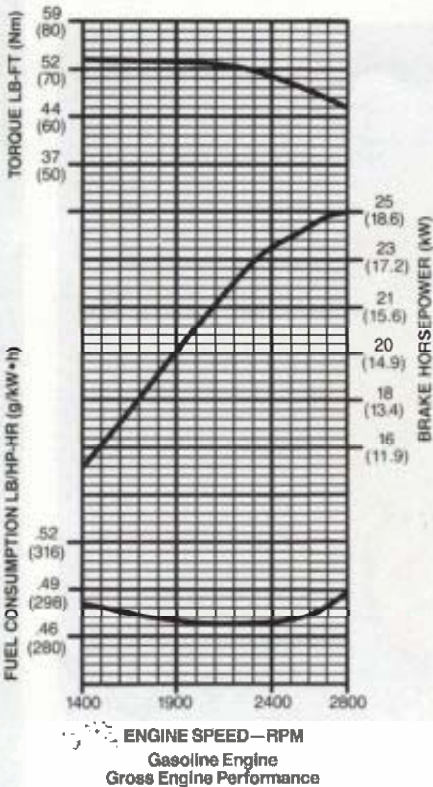
1825

1825 Basic Tractor

Engine (Gasoline)

Make and model **Nissan A 12**
 Type of fuel Unleaded Gasoline
 No. of cylinders 4
 Bore and stroke 2.87" x 2.76"
 (73 mm x 70 mm)
 Displacement 71 in³ (1163 cm³)
 Compression ratio 9.0:1
 Fuel induction Carburetor
 Fuel supply Vacuum fuel pump
 Air cleaner Dry type,
 replaceable element
 Oil filter Replaceable spin-on
 cartridge, full flow
 Lubrication Positive pressure
 Cooling system Liquid
 Horsepower
 (1) Gross 25 @ 2800 rpm
 (18.6 kW @ 2800 r/min)
 Max torque ft-lb
 (1) Gross 54 @ 1600 rpm
 (73 Nm @ 1600 r/min)
 (1) Gross engine horsepower or torque at flywheel
 per SAE Standard J807.

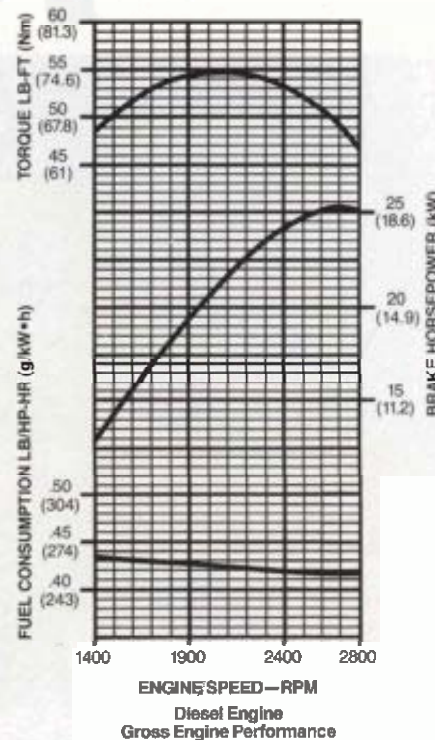
Power Curve



Engine (Diesel)

Make and model **Kubota V1100-B**
 Type of fuel No. 2 diesel
 No. of cylinders 4
 Bore and stroke 2.83" x 2.76"
 (72 mm x 70 mm)
 Displacement 69.52 in³ (1139 cm³)
 Compression ratio 22.0:1
 Fuel supply Injection pump
 Air cleaner Dry type,
 replaceable element
 Oil filter Replaceable spin-on
 cartridge, full flow
 Lubrication Positive pressure
 Cooling system Liquid
 Horsepower
 (1) Gross 25 @ 2800 rpm
 (18.6 kW @ 2800 r/min)
 Max. torque ft-lb
 (1) Gross 53 @ 1800 rpm
 (72 Nm @ 1800 r/min)
 (1) Gross engine horsepower or torque at flywheel
 per SAE Standard J1349.

Power Curve



Electrical

System voltage 12-volts
 Gasoline 350 CCA
 Diesel 350 CCA
 Alternator
 Gasoline 35 amp
 Diesel 25 amp

Steering

Independent—360° counter rotation.
 Steering, braking, forward and reverse
 movement controlled by operation of two
 hand levers.

Power Train

Type Hydrostatic with single stage
 chain drive to all wheels.
 Transmission . . . Tandem pump assembly
 consisting of two variable displacement
 pumps, gear type charge pump, gear type
 system pump, two fixed displacement
 motors.
 Brakes Mechanical parking latch

Hydraulic System

Main relief setting
 2300 ± 50 psi @ 2800 rpm
 (15 858 ± 345 kPa @ 2800 r/min)
 Lift cylinders (2) 2" dia x 27" stroke, 1" rod
 (51 mm dia x 686 mm stroke, 25 mm rod)
 Tilt cylinders (2) 2" dia x 13.1" stroke, 1" rod
 (51 mm dia x 333 mm stroke, 25 mm rod)
 Pump capacity
 9.3 gpm @ 2800 rpm @ 2300 psi
 (35.2 L/min @ 2800 r/min @ 15 858 kPa)
 Filter equipment 6 micron, spin-on type

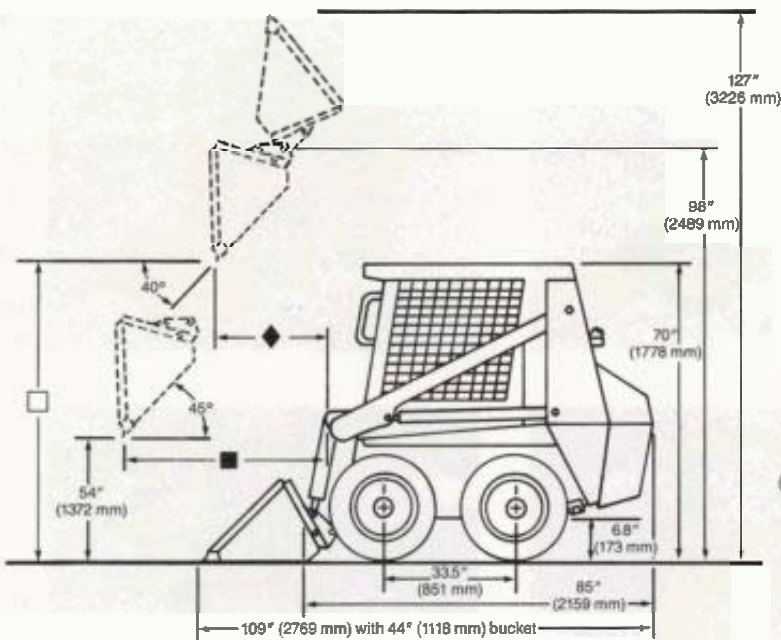
Service Capacities

	U.S.	Liters
Cooling system	7 qt	6.6
Fuel	8.5 gal	32.2
Engine oil (gasoline) w/filter	3.5 qt	3.3
Engine oil (diesel) w/filter	6 qt	5.7
Chain compartments (2) per side	3 qt	2.8
Hydraulic reservoir w/filter	5.75	21.8
w/o filter	5.50	20.8

Weights

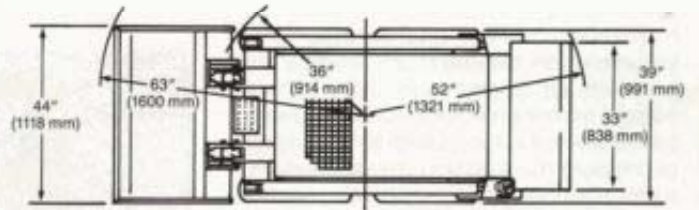
Shipping weight
 Gasoline 2787 lb (1264 kg)
 Diesel 2853 lb (1294 kg)
 Includes 2 gal (7.6 L) fuel, no operator,
 no bucket, 5.70 x 15 tires, ROPS and
 standard equipment.
 Operating weight
 Gasoline 3092 lb (1403 kg)
 Diesel 3158 lb (1432 kg)
 Includes full fuel, 175 lb (79 kg) operator,
 44" (1118 mm) bucket, 5.70 x 15 tires,
 ROPS and standard equipment.

Operational Data



Note: Specifications taken with 44" (1118 mm) bucket, 5.70 x 15, 6 PR tires, ROPS and standard equipment unless otherwise specified.

- Varies with bucket, refer to Dump Height in chart below.
- ◆ Varies with bucket, refer to Dump Reach in chart below.
- Varies with bucket, refer to Dump Reach in chart below.



Buckets

Type	Width		Struck Capacities		SAE Heaped Capacities		Weight		□ Dump Height		◆ Dump Reach		■ Dump Reach		Dump Angle	Overall Length	
	in	mm	ft ³	m ³	ft ³	m ³	lb	kg	in	mm	in	mm	in	mm	deg	in	mm
Dirt/Utility	44	1118	4.84	0.14	6.34	0.18	130	59	76	1930	27.6	701	33.4	848	40°	109	2769
Dirt/Utility	49	1245	5.4	0.15	7.1	0.20	145	66	76	1930	27.6	701	33.4	848	40°	109	2769
4-in-1	49	1245	5.5	0.16	7.3	0.21	365	166	91	2311	25.6	650	31.4	798	48°	108.9	2766

Performance Specifications

- Tipping load—
 - SAE rated 1600 lb (726 kg)
 - Rated operating load 800 lb (363 kg)
- Raising time with
 - rated load in bucket 4.8 sec.
- Lowering time bucket empty 2.8 sec.
- Rollback time from full dump
 - to full rollback 2.4 sec.
- Breakout force—
 - lift cylinders 1650 lbf (7340 N)
 - tilt cylinders 1776 lbf (7900 N)
- Hyd. lift capacity
 - to max height 1600 lb (726 kg)
- Travel speed (forward
 - and reverse) 4.6 mph (7.4 km/h)



Control Lock-Out

Prevents activation of hydraulics by automatically shutting down hydraulic system and locking the parking latch. Standard equipment.



Easy Engine Checks

Routine engine checks are easily handled without removal of covers and panels. Rear swing-open door provides ready access to the radiator and oil cooler compartment.

Equipment Data

Standard Equipment

800 lb (363 kg) rated operating load with double-acting Case cylinders, less attachments, with controls and hydraulics

- Nissan gas or Kubota diesel water-cooled engine
- Hydrostatic transmission with chain drive to all wheels
- Spin-on hydrostatic charge filter
- 5.70 x 15 Chevron tires
- Tool Tach
- 12-volt battery
- Spark arresting muffler
- Dry type air cleaner
- Hand throttle
- Mechanical parking latch
- Hourmeter
- Fuel gauge
- ROPS-mounted warning light monitoring system for transmission filter, charge pressure, transmission temperature, engine oil pressure, air cleaner restriction, battery voltage, engine water temperature and seat belt reminder
- Audible alarm for low engine oil pressure, transmission charge pressure, transmission temperature, water temperature, battery voltage and seat belt reminder
- Anti-freeze to -20°F (-29°C).

Optional Equipment (on basic machine)

- 27 x 8.50 x 15 Lug-type flotation tires
- Lights
- Auxiliary hydraulics
- Horn
- Cold start aid (diesel only)
- Drawbar
- Counterweight
- Lift hook
- Backup alarm.

Optional Equipment (attachments)

- Augers
- Blades—utility/snow
- Buckets—dirt, utility, multi-purpose, grapple
- Exhaust controls
- Forks—pallet, manure, manure with grapple
- Fork positioner
- Rockhound landscaper
- Tooth bar
- Tracks
- Tree spade.



Tilt ROPS

Tilts forward with gas-strut assist to provide unobstructed access to engine, hydraulic hoses, pumps and motors for fast, easy servicing.



Sold and serviced by:

Note: All specifications are stated in accordance with 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. Unit illustrated is equipped with non-standard items.

J I Case

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