



## ENGINE

Model..... Kubota V1100-B  
 Type .... 4-stroke, naturally aspirated  
 Fuel ..... Diesel  
 Fuel supply ..... Indirect injection  
 Cylinders ..... 4 in-line  
 Bore/Stroke..... 2.83" x 2.76"  
 Displacement ..... 69.5 in<sup>3</sup>  
 Horsepower  
 Gross..... 25 @ 2800 rpm  
 Net ..... 21 @ 2800 rpm

Model..... Nissan A12  
 Type ..... 4-stroke, OHV  
 Fuel ..... Gasoline  
 Fuel supply..... Carburetor w/pump  
 Cylinders ..... 4 in-line  
 Bore/Stroke..... 2.87" x 2.76"  
 Displacement ..... 71.45 in<sup>3</sup>  
 Horsepower  
 Gross..... 25 @ 2800 rpm

## DRIVELINE

### CHAIN DRIVE DESIGN

Single-stage 60 HT drive chain transmits power from the drive motor to each wheel. Quick and easy external adjustment for proper tension.

### INFINITELY VARIABLE SPEEDS

Speed transitions within a range of 0-4.6 mph in both forward and reverse.

### DYNAMIC BRAKING

Moving the hand controls to the neutral position brings the unit to a stop. Engage the parking latch by raising the seat bar.

### DIRECT-DRIVE TRANSMISSION PUMPS

Two variable displacement piston pumps deliver oil to corresponding hydrostatic motors for independent control of each side. Pumps are mounted in tandem and are driven directly

## OPERATOR ENVIRONMENT

Seat bar serves as an operator restraining device and armrest. Two low effort "hands-only" levers control direction and loader functions. Optional auxiliary hydraulic foot pedal control for precision applications or continuous hydraulic flow as required.

## MONITORING SYSTEM

Systems normal light, flashing low fuel level, hourmeter and LED warning lights and audible alarms.

### LED WARNING LIGHTS

Hydraulic filter – Fuel level – Air cleaner restriction

### LED WARNINGS WITH AUDIBLE ALARMS

Engine oil pressure – Seat belt – Charge pressure – Hydraulic oil temperature – Low battery voltage – Engine coolant temperature

## HYDRAULIC SYSTEM

Pump ..... In tandem  
 w/hydrostatic pumps  
 Capacity..... 9.3 gpm @ 2800 rpm  
 @ 2300 psi  
 Main relief setting 2300 psi @ 120° F  
 @ 15 gpm  
 Filtration ..... 6-micron spin-on  
 replaceable element  
 w/warning light

## SERVICE CAPACITIES

Fuel tank..... 8.5 gal  
 Engine oil w/filter change  
 Diesel ..... 6 qt  
 Gasoline..... 3.4 qt  
 Cooling system..... 7.0 qt  
 Hydraulic system (total)..... 7.5 gal  
 Chain compartments (per side) ... 3.0

## ELECTRICAL SYSTEM

Voltage ..... 12 volts, negative ground  
 Alternator  
 Diesel ..... 12 volt, 25 amp  
 Gasoline..... 12 volt, 35 amp  
 Battery..... (1) 12-volt  
 491 cold-cranking amps

## TIRE SELECTION

Type (tubeless)	Ply Rating
5.70 x 15 Chevron .....	4
27-8.50 x 15 Lug type .....	4
27-8.50 x 15 Heavy-duty lug type ...	6

## LOADER PERFORMANCE SPECIFICATIONS

Lift capacity to  
 maximum height ..... 1,600 lb  
 Operating load ..... 800 lb  
 Tipping capacity ..... 1,600 lb  
 Breakout force  
 Tilt cylinder ..... 1,776 lbf  
 Lift cylinder ..... 1,650 lbf  
 Cycle times w/rated loads  
 Raising time ..... 4.8 sec  
 Lowering time (power down). 2.8  
 sec  
 Rollback time ..... 2.4 sec  
 Dump time ..... 1.5 sec

Unit w/full fuel, 175 lb operator, 44" dirt bucket,

## LOADER BUCKETS

Bucket Width	Struck Capacity	Heaped Capacity	Weight
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### DIRT & UTILITY

44" .....	48.4 ft <sup>3</sup> .....	6.34 ft <sup>3</sup> .....	130 lb
49" .....	5.4 ft <sup>3</sup> .....	7.10 ft <sup>3</sup> .....	145 lb
<b>4-IN-1</b>			
49" .....	5.5 ft <sup>3</sup> .....	7.30 ft <sup>3</sup> .....	365 lb

## DIMENSIONS

Overall operating height .....	126.9"
Height to bucket hinge pin .....	98.2"
Height to -	
top of ROPS .....	70.1"
loader arm fully raised .....	92.0"
Overall length w/o attachment .....	84.8"
Overall length w/bucket on ground .....	109.0"
Dump angle at maximum height .....	40°
Dump height, loader arm at maximum height .....	76.0" @ 40°
Reach - fully raised .....	27.6"
Reach attachment on ground .....	42.2"
Maximum rollback, attachment at full height .....	98°
Maximum rollback, attachment on ground .....	27°
Wheelbase .....	33.5"
Ground clearance .....	6.8"
Clearance circle front less bucket .....	35.8"
Clearance circle front -	
w/44" dirt bucket .....	62.8"
w/49" dirt bucket .....	63.7"
Clearance circle rear .....	52.2"
Overall width -	
w/5.70 x 15 tires .....	39.3"
w/5.70 x 15 tires* .....	46.2"
w/27-8.50 x 15 tires .....	47.3"
Tread width -	
w/5.70 x 15 tires .....	33.4"
w/5.70 x 15 tires* .....	40.3"
w/27-8.50 x 15 tires .....	37.7"
Operating weight	
Diesel .....	3,158 lb
Gasoline .....	3,092 lb

NOTE: Dimensions taken with dirt buckets.

Unit with full fuel, 175 lb operator, ROPS, standard equipment and 44" bucket.

\*Tires reversed

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### CASE CANADA CORPORATION

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