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 in³
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 in³
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

<table>
<thead>
<tr>
<th>Bucket Width</th>
<th>Struck Capacity</th>
<th>Heaped Capacity</th>
<th>Weight</th>
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<tbody>
<tr>
<td>44&quot;</td>
<td>48.4 ft³</td>
<td>6.34 ft³</td>
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DIRT & UTILITY

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# DIMENSIONS

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

NOTE: Dimensions taken with dirt buckets.

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

*Tires reversed