Vibratory Single Drum Roller

The innovatively designed SV520 is applicable to medium to large soil compaction jobs. The SV520 includes new roller features and optimizes job profitability through efficiency.

Proven Compactive Performance
- Roller compactive force reaches target density in less number of roller passes.
- Provides higher centrifugal force and amplitude.
- Achieves uniform compaction throughout lift thickness.

Low Operating Costs
- Sakai’s new Eco compaction mode (ECM), which reduces fuel consumption up to 20%, while maintaining compactive performance.
- Quality and durable components such as hydraulics, drum, center-pin hitch provide less maintenance.

Operator Comfort and Safety
- Includes Sakai’s durable dual rubber isolation system between the drum and operator deck.
- Extremely quiet operator station with noise levels as low as 87 dB(A).

If you need any technical or service parts support on our products, please contact this web page.

www.sakainet.co.jp/english/
**SV520 Series**

### Operating Weight (with Awning)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SV520D</th>
<th>SV520T</th>
<th>SV520DF</th>
<th>SV520TF</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg (lbs)</td>
<td>10,100 (22,265)</td>
<td>10,530 (23,215)</td>
<td>11,840 (26,100)</td>
<td>12,810 (28,245)</td>
</tr>
</tbody>
</table>

### Load on Axles

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>kg (lbs)</td>
<td>5,400 (11,905)</td>
<td>5,790 (12,765)</td>
<td>7,140 (15,740)</td>
<td>8,080 (17,815)</td>
</tr>
</tbody>
</table>

### Specifications

- Centrifugal force (L/H): 100% Fuel, 100% Water, no Operator.
- Specifications are subject to change without notice.
- Above specified numbers could be deviated within ±5%.
- All units are SI units. Inside of ( ) is for reference units.
- The photos may contain optional equipment and/or attachment.
- Engine meets EPA (Tier 2) standards.

### Dimensions

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</tr>
</thead>
<tbody>
<tr>
<td>Overall length L</td>
<td>5,840 (230)</td>
<td>5,840 (230)</td>
<td>5,840 (230)</td>
<td>5,840 (230)</td>
</tr>
<tr>
<td>Overall width W</td>
<td>2,295 (90)</td>
<td>2,295 (90)</td>
<td>2,295 (90)</td>
<td>2,295 (90)</td>
</tr>
<tr>
<td>Overall height H</td>
<td>2,910 (115)</td>
<td>2,925 (116)</td>
<td>2,945 (116)</td>
<td>2,935 (116)</td>
</tr>
<tr>
<td>Wheelbase L2</td>
<td>2,970 (117)</td>
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</tr>
</tbody>
</table>

### Engine

- Make: ISUZU
- Type: 4BG1T (EPA-Tier2)
- Displacement: 4.329 (264.2)
- Rated output: 83.3 (112) / 2,100
- Electric system battery: 24 (12 / 100 x 2)
- Electric system alternator: 24 / 50

### Power Line

- Transmission: Hydrostatic transmission
- Type: Hydraulic
- Drive wheel: All Wheel

### Vibration System

- Drive: Hydrostatic
- No. of amplitude: 2
- Vibration: Eccentric shaft type

### Brake System

- Service (working): Hydrostatic dynamic brake through drive system / FNR Lever
- Secondary (emergency): Hydrostatic + Spring-applied hydraulically released (SAHR) / Brake pedal
- Parking (parking): SAHR / Panel button

### Steering System

- Type: Hydraulic type (Articulated)
- Articulation / Oscillation: 37 / 90°

### Fluid Capacity

- Fuel tank: 265 (70) L (gal)
- Hydraulic tank: 50 (13) L (gal)