**SV520 Series**

**Options**

- Standard
  - ROPS - CANOPY
  - Cabin
- Option
  - Adjustable handles & seat
  - Emergency brake pedal
  - Emergency brake pedal with lateral slider
  - Secondary brake (Emergency brake)
  - Double element air cleaner
  - Adjustable V-Scrapers for T drum (front)
  - Adjustable Scrapers for D drum (front and rear)
  - Heater
  - A/C
  - Cup holder
  - Fuel filter with sedimentor (attachment for engine)
  - Centrifugal force (L/H) kN (lbs)
  - Load on rear axle - operating weight with ROPS-Cab kg (lbs)
  - Operating weight with ROPS-Cab kg (lbs)
  - Displacement L (cu.in)
  - Turbo charger
  - Power transmission type
  - Hydraulic oil tank L (gal)

**Specifications**

- **Engine**
  - Make: ISUZU
  - Model: 4BG1T (EPA Tier2: equivalent)
  - Power: kW (HP)/min-1
  - Type: Diesel, water-cooled, 4-cycle, 4-cylinder inline, with turbo charger

- **Chassis**
  - Overall length mm (in)
  - Turning radius compacted surface (inside / outside) m (in)
  - Ground clearance mm (in)
  - Number of pads pcs.
  - Dynamic linear pressure for front drum Amplitude (L/H) mm
  - Shell thickness mm (in)
  - Electric system:
    - alternator V/A
    - battery

- **Drum**
  - Drum width
  - Compaction width
  - Wheelbase L1 mm (in)
  - Frequency (L/H) Hz (vpm)
  - Electric system

- **Transmission**
  - Power transmission type
  - Overall height (with ROPS-Cab) mm (in)

- **Operational Data**
  - Speed range (L/H)
  - Number of speed shifts
  - Dynamic linear pressure for rear drum Amplitude (L/H) mm
  - Shell thickness mm (in)

- **Other**
  - Side clearance mm (in)
  - Curb clearance mm (in)
  - Articulation / Oscillation angle ± (°)
  - Parking brake SAHR/Panel button
  - Secondary brake (Emergency brake)Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal
  -ください。

**Features**

- **Operator Comfort and Safety**
  - Extremely quiet operator station with noise levels as low as 87 dB(A).

- **Low Operating Costs**
  - Sakai’s new Eco compaction mode (ECM), which reduces fuel consumption up to 20%, while maintaining compaction performance.

- **Proven Compaction Performance**
  - Roller compactive force reaches target density in fewer roller passes.

- **Durable, quality components** such as hydraulics, drum and center-pin hitch provide lower maintenance cost and less downtime.

**SV520D**

**SV520T**

**SV520DF**

**SV520TF**

**SV520**

**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 Compaction Performance**
- Roller compactive force reaches target density in fewer roller passes.
- 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 compaction performance.
- Durable, quality components such as hydraulics, drum and center-pin hitch provide lower maintenance cost and less downtime.

**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).
**SAKAI’s Experience in Compaction Technology**

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop) SAHR
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **SV520T:** Pad foot drum with smooth shells
- **SV520DF:** Smooth drum with pad foot shells

- **Drum Variations**

- **SV520D**
- **SV520T**
- **SV520TF**

- **Environmentally Friendly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption (12.5 L/h ➡ 10 L/h)
  - Vibration force does not decrease.

- **Durable Rubber Isolaters**
  - Sakai’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.

  - **Old-versus-New**
    - Vibration force: 23 t ➡ 26 t
    - Amplitude: 2.5 mm ➡ 3.09 mm (D-type)
    - Total applied force: 28.4 t ➡ 31.6 t

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop) SAHR
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.

  - **Old-versus-New**
    - Vibration force: 23 t ➡ 26 t
    - Amplitude: 2.5 mm ➡ 3.09 mm (D-type)
    - Total applied force: 28.4 t ➡ 31.6 t

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety
**SV520 Series**

**Options**

- Standard
  - ROPS - CANOPY
  - Adjustable handles for DHF (drum front)
  - Adjustable handles for DHF (drum rear)
  - Standard gauges
  - Instrument panel
  - Emergency brake pedal
  - 1 m x 1 m visibility
  - ECO mode
  - Cup holder
  - Hydraulic test ports
  - Fuel filter with sedimentor (attachment for engine)
  - Adjustable V-Scrapers for T-drum (front)
  - Adjustable Scrapers for D-drum (front and rear)

- Option
  - Heater
  - Deluxe seat (Suspension)
  - CABIN ROPS - CANOPY
  - ROPS - Cab

**TYPE**

- Vibratory Single Drum Roller

**CHASSIS MODEL**

- 2SV31
  - SV520D
  - SV520T
  - SV520DF
  - SV520TF

**PERFORMANCE**

- Centrifugal force (L / H) kN (lbs) [kgf]
  - 1,722 / 2,550 (38,665 / 57,325) [17,540 / 26,000]

**BRAKE SYSTEM**

- Service brake
  - Dynamic braking through hydrostatic drive system / FNR lever

**DRIVE SYSTEM**

- Power transmission type
  - Hydrostatic

**WEIGHTS**

- Overall length
  - 5,840 (230)

- Turning radius (compacted surface)
  - Inside / Outside

- Gradeability
  - % (°)

- Speed range (L / H)
  - Number of speed shifts

- Dynamic linear pressure for front drum
  - Amplitude (L / H) mm

- Hydraulic oil tank L (gal)
  - 50 (13.2)

- Articulation / Oscillation angle
  - ± (°)

- Parking brake
  - SAHR / Panel button

- Secondary brake (Emergency brake)
  - Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal

- Vibration type
  - Single eccentric shaft

- Power transmission type
  - Hydraulic

**FLUID CAPACITY**

- Fuel
  - 50 (13.2)

- Oil

**LOW OPERATING COSTS**

- Roller compactive force reaches target density in fewer roller passes.
- Provides higher centrifugal force and amplitude.
- Achieves uniform compaction throughout lift thickness.

**PROVEN COMPACTION PERFORMANCE**

- Sakai's new Eco compaction mode (ECM), which reduces fuel consumption up to 20%, while maintaining compaction performance.
- Durable, quality components such as hydraulics, drum and center-pav which provide lower maintenance cost and less downtimes.

**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 dBA.

**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.

- Operating weight: Fuel=50%, water=50%, operator=75kg

**SPECIFICATIONS**

- All specifications may be changed without notice.
- Specified figures are in SI Units, followed by their equivalent in English units of measurement in parentheses.
- Specified figures have a tolerance of ±5%.

**SERIES SV520**

- SV520D
- SV520T
- SV520DF
- SV520TF

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

If you need any technical or service parts support on our products, please contact this web page.
**SAKAI’s Experience in Compaction Technology**

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - **Old-versus-New**
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.0 mm ➔ 2.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Enviromently Freindly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption.
  - (12.5 L/h ➔ 10 L/h)
  - Vibration force does not decrease.

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Durable Rubber Isolaters**
  - Sakai’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop)
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Drum Variations**
  - SV520D: Smooth drum with pad foot shells
  - SV520T: Pad foot drum with smooth shells
  - SV520DF: Smooth drum with pad foot shells
  - SV520TF: Pad foot drum with smooth shells

- **Sakai Competitors**
  - Drive motor
  - Rubber isolaters
  - Heavy deformation
  - Reduced deformation

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - **Old-versus-New**
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.0 mm ➔ 2.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Enviromently Freindly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption.
  - (12.5 L/h ➔ 10 L/h)
  - Vibration force does not decrease.

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Durable Rubber Isolaters**
  - Sakai’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop)
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Drum Variations**
  - SV520D: Smooth drum with pad foot shells
  - SV520T: Pad foot drum with smooth shells
  - SV520DF: Smooth drum with pad foot shells
  - SV520TF: Pad foot drum with smooth shells

- **Sakai Competitors**
  - Drive motor
  - Rubber isolaters
  - Heavy deformation
  - Reduced deformation

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - **Old-versus-New**
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.0 mm ➔ 2.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Enviromently Freindly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption.
  - (12.5 L/h ➔ 10 L/h)
  - Vibration force does not decrease.

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Durable Rubber Isolaters**
  - Sakai’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop)
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Drum Variations**
  - SV520D: Smooth drum with pad foot shells
  - SV520T: Pad foot drum with smooth shells
  - SV520DF: Smooth drum with pad foot shells
  - SV520TF: Pad foot drum with smooth shells

- **Sakai Competitors**
  - Drive motor
  - Rubber isolaters
  - Heavy deformation
  - Reduced deformation

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - **Old-versus-New**
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.0 mm ➔ 2.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Enviromently Freindly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption.
  - (12.5 L/h ➔ 10 L/h)
  - Vibration force does not decrease.

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Durable Rubber Isolaters**
  - Sakai’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop)
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Drum Variations**
  - SV520D: Smooth drum with pad foot shells
  - SV520T: Pad foot drum with smooth shells
  - SV520DF: Smooth drum with pad foot shells
  - SV520TF: Pad foot drum with smooth shells

- **Sakai Competitors**
  - Drive motor
  - Rubber isolaters
  - Heavy deformation
  - Reduced deformation

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - **Old-versus-New**
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.0 mm ➔ 2.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Enviromently Freindly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption.
  - (12.5 L/h ➔ 10 L/h)
  - Vibration force does not decrease.

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair.
  - Direct access from ground = Increased safety

- **Durable Rubber Isolaters**
  - Sakai’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop)
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Drum Variations**
  - SV520D: Smooth drum with pad foot shells
  - SV520T: Pad foot drum with smooth shells
  - SV520DF: Smooth drum with pad foot shells
  - SV520TF: Pad foot drum with smooth shells

- **Sakai Competitors**
  - Drive motor
  - Rubber isolaters
  - Heavy deformation
  - Reduced deformation
SAKAI’s Experience in Compaction Technology

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - Old-versus-New:
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.5 mm ➔ 4.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Drum Variations**
  - SV520D: Smooth drum with pad foot shells
  - SV520T: Pad foot drum with smooth shells

- **4-Way Brake System**
  - Service brake by (FNR Lever)
  - Emergency brake pedal (engine stop)
  - Parking brake switch
  - Auto-stop in case of engine and/or hydraulic system failure

- **Enviromently Freindly System**
  - ECO mode is installed as standard function.
  - Save 20% of fuel consumption (12.5 L/h ➔ 10 L/h)
  - Vibration force does not decrease.

- **Durable Rubber Isolaters**
  - Saka’s original design unaffected by drum driving force.
  - This means:
    - Long lifetime (5 times longer lifetime)
    - Highly durable
    - Low maintenance cost

- **Vandalism Protections**
  - Instrument panel
  - Engine hood
  - Hydraulic oil tank
  - Fuel tank drain
  - Side cover
  - Manual box
  - Padlock is option

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair
  - Direct access from ground ➔ increased safety

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - Old-versus-New:
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.5 mm ➔ 4.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t

- **Ground Maintenance**
  - Easy to access any components for maintenance and repair
  - Direct access from ground ➔ increased safety

- **Improvement of Vibration Force & Amplitude**
  - Vibration force and amplitude are improved steadily in comparison with old model.
  - New model has much stronger vibration force.
  - Old-versus-New:
    - Vibration force: 23 t ➔ 26 t
    - Amplitude: 2.5 mm ➔ 4.09 mm (D-type)
    - Total applied force: 28.4 t ➔ 31.6 t
**SV520 Series**

### OPTIONS

**Options**
- Standard
- ROPS - CANOPY
- CABIN

### CABIN

- Air conditioning
- Heated seat (Suspension)
- Deluxe seat (Suspension)
- A/C

### ROPS - CANOPY

- ROPS - Cab
- ROPS - CANOPY

### SV520 SERIES

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV520D</td>
<td>VIBRATORY SINGLE DRUM ROLLER</td>
</tr>
<tr>
<td>SV520T</td>
<td>VIBRATORY SINGLE DRUM ROLLER</td>
</tr>
<tr>
<td>SV520TF</td>
<td>VIBRATORY SINGLE DRUM ROLLER</td>
</tr>
</tbody>
</table>

**Proven Compaction Performance**
- Roller compactive force reaches target density in fewer roller passes.
- 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 compaction performance.
- Durable, quality components such as hydraulics, drum and center-pen hitch provide lower maintenance cost and less downtime.

**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 dBA.

---

**SAKAI HEAVY INDUSTRIES LTD.**

**HEAVY EQUIPMENT FOR INDUSTRIAL, CITY BUILDING, AND CONSTRUCTION NEEDS**

**FOR MORE INFORMATION, VISIT WWW.SAKAINET.CO.JP/ENGLISH/**

---

**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.

**Options**

- Standard
- ROPS - CANOPY
- CABIN

**SV520 Series**

<table>
<thead>
<tr>
<th>Description</th>
<th>SV520D</th>
<th>SV520T</th>
<th>SV520TF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power transmission type</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Engine Model</td>
<td>4BG1T (EPA Tier2 : equivalent)</td>
<td>4BG1T (EPA Tier2 : equivalent)</td>
<td>4BG1T (EPA Tier2 : equivalent)</td>
</tr>
<tr>
<td>Rated power</td>
<td>kW (HP)/min-1</td>
<td>kW (HP)/min-1</td>
<td>kW (HP)/min-1</td>
</tr>
<tr>
<td>Frequency</td>
<td>Hz (vpm)</td>
<td>Hz (vpm)</td>
<td>Hz (vpm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>L (cu.in)</td>
<td>L (cu.in)</td>
<td>L (cu.in)</td>
</tr>
<tr>
<td>Hydraulic oil tank</td>
<td>L (gal)</td>
<td>L (gal)</td>
<td>L (gal)</td>
</tr>
<tr>
<td>Power take-off</td>
<td>kN (lbs)</td>
<td>kN (lbs)</td>
<td>kN (lbs)</td>
</tr>
<tr>
<td>Travel speed</td>
<td>km/h (mph)</td>
<td>km/h (mph)</td>
<td>km/h (mph)</td>
</tr>
<tr>
<td>Number of speed shifts</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Overall length</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
<tr>
<td>Overall width</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
<tr>
<td>Overall height (with ROPS-Cab)</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
<tr>
<td>Overall height (without ROPS-Cab)</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
</tbody>
</table>

---

* Using low-quality fuel may cause engine failure.

---

**SAKAI HEAVY INDUSTRIES LTD.**

**HEAVY EQUIPMENT FOR INDUSTRIAL, CITY BUILDING, AND CONSTRUCTION NEEDS**

**FOR MORE INFORMATION, VISIT WWW.SAKAINET.CO.JP/ENGLISH/**

---

**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.

**Options**

- Standard
- ROPS - CANOPY
- CABIN

**SV520 Series**

<table>
<thead>
<tr>
<th>Description</th>
<th>SV520D</th>
<th>SV520T</th>
<th>SV520TF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power transmission type</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Engine Model</td>
<td>4BG1T (EPA Tier2 : equivalent)</td>
<td>4BG1T (EPA Tier2 : equivalent)</td>
<td>4BG1T (EPA Tier2 : equivalent)</td>
</tr>
<tr>
<td>Rated power</td>
<td>kW (HP)/min-1</td>
<td>kW (HP)/min-1</td>
<td>kW (HP)/min-1</td>
</tr>
<tr>
<td>Frequency</td>
<td>Hz (vpm)</td>
<td>Hz (vpm)</td>
<td>Hz (vpm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>L (cu.in)</td>
<td>L (cu.in)</td>
<td>L (cu.in)</td>
</tr>
<tr>
<td>Hydraulic oil tank</td>
<td>L (gal)</td>
<td>L (gal)</td>
<td>L (gal)</td>
</tr>
<tr>
<td>Power take-off</td>
<td>kN (lbs)</td>
<td>kN (lbs)</td>
<td>kN (lbs)</td>
</tr>
<tr>
<td>Travel speed</td>
<td>km/h (mph)</td>
<td>km/h (mph)</td>
<td>km/h (mph)</td>
</tr>
<tr>
<td>Number of speed shifts</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Overall length</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
<tr>
<td>Overall width</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
<tr>
<td>Overall height (with ROPS-Cab)</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
<tr>
<td>Overall height (without ROPS-Cab)</td>
<td>mm (in)</td>
<td>mm (in)</td>
<td>mm (in)</td>
</tr>
</tbody>
</table>

---

* Using low-quality fuel may cause engine failure.