



SV700D

VIBRATORY SINGLE DRUM ROLLER

The innovatively designed SV700 is applicable to medium to large soil compaction jobs. The SV700 includes new roller features and optimizes job profitability through efficiency.

Best Compaction Quality and Efficiency

- The amplitude of the largest in the world class carries out greatest compaction.

High Safety Standards

- Built in safety features prevent accidental starting, starts only when the Forward, Neutral & Reverse lever is in the neutral position and press down the parking brake switch.
- Emergency brake pedal is standard.

Easy Maintenance

- The engine and hydraulic components are enclosed in a compartments.
- The engine hood opens fully for easy access to engine and hydraulic components for service and maintenance.

Operator Comfort and Safety

- Include Sakai's durable dual rubber isolation system between the drum and operator deck.



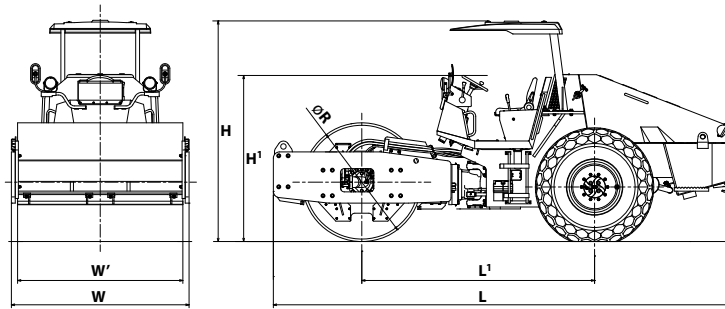
SV700T



SV700TF

The photos may contain optional equipment and/or attachment.

SV700 Series



| TYPE | | Vibratory Single Drum Roller | | | |
|----------------------------|---|------------------------------|---|-----------------------------|-----------------------------|
| MODEL | | SV700D | SV700T | SV700TF | |
| CHASSIS MODEL | | VSV19D | VSV19T | | |
| WEIGHTS | Max. operating weight with AWNING | kg (lbs) | 15,080 (33,245) | 18,080 (39,860) | |
| | Operating weight with AWNING | kg (lbs) | 14,950 (32,960) | 17,950 (39,570) | |
| | Load on front axle - operating weight with AWNING | kg (lbs) | 8,500 (18,740) | 11,400 (25,130) | |
| | Load on rear axle - operating weight with AWNING | kg (lbs) | 6,450 (14,220) | 6,550 (14,440) | |
| PERFORMANCE | Centrifugal force (L / H) | kN (lbs)[kgf] | 220 / 275 (49,455 / 61,820) [22,435 / 28,040] | | |
| | Frequency (L / H) | Hz(vpm) | 36.7 / 27.5 (2,200 / 1,650) | | |
| | Amplitude (L / H) | mm (in) | 0.90 / 2.00 (0.035 / 0.079) | 0.60 / 1.30 (0.024 / 0.051) | |
| | Dynamic linear pressure for front drum - operating weight with AWNING (L / H) | N/cm (lbs/in) | 1,424 / 1,682 (815 / 960) | - | 1,558 / 1,816 (890 / 1,035) |
| | Number of speed shifts | | 2 | | |
| | Speed range (L / H) | km/h (mph) | 0-6 / 0-10 (0-3.7 / 0-6.2) | | |
| | Gradeability | % (°) | 62 (32) | 45 (24) | |
| | Turning radius compacted surface (inside / outside) | m (in) | 3.5 / 5.6 (138 / 221) | | |
| | Overall length L | mm (in) | 5,900 (232) | 5,905 (232) | 5,910 (233) |
| | Overall width W | mm (in) | 2,290 (90) | | |
| DIMENSIONS | Overall height (without AWNING) H¹ | mm (in) | 2,150 (85) | 2,160 (85) | 2,175 (86) |
| | Overall height (with AWNING) H | mm (in) | 2,840 (112) | 2,860 (113) | 2,870 (113) |
| | Wheelbase L¹ | mm (in) | 3,000 (118) | | |
| | Compaction width W' | mm (in) | 2,130 (84) | | |
| | Drum width W' / Drum diameter R | mm (in) | 2,130 / 1,530 (84 / 60) | 2,130 / 1,600 (84 / 63) | 2,130 / 1,650 (84 / 65) |
| | Pad height | mm (in) | - | 100 (3.9) | |
| | Number of pads | pcs. | - | 140 | |
| | Shell thickness | mm (in) | 32 (1.3) | 28 (1.1) | 22 (0.9) |
| | Tire size x Number of tires | | 23.1-26-12PR(OR) | | |
| | Inflation (each wheels) | kPa (psi) | 170 (24.7) | | |
| | Ground clearance | mm (in) | 420 (16.5) | 430 (16.9) | 435 (17.1) |
| | Curb clearance | mm (in) | 495 (19.5) | 530 (20.9) | 540 (21.3) |
| | Side clearance | mm (in) | 80 (3.1) | | |
| | ENGINE | Make | | ISUZU | |
| Model | | | BB-6BG1TRJ (EPA Tier 2 : equivalent) | | |
| Type | | | Diesel, water-cooled, 4-cycle, 6-cylinder inline, with turbo charger | | |
| Displacement | | L(cu.in) | 6.494 (396.3) | | |
| Rated output | | kW (HP)/min ⁻¹ | 124 (166) / 2,200 | | |
| Electric system battery | | V (V / Ah×Qty) | 24V (12V / 100Ah × 2) | | |
| Electric system alternator | | V/A | 24V / 50A | | |
| DRIVE SYSTEM | | Power transmission type | | Hydrostatic | |
| | Drive wheel | | All wheel (drum & tires) | | |
| VIBRATION SYSTEM | Power transmission type | | Hydraulic | | |
| | Number of amplitude | | 2 | | |
| BRAKE SYSTEM | Vibrator type | | Single eccentric shaft | | |
| | Service brake | | Dynamic braking through hydrostatic drive system / FNR lever | | |
| | Secondary brake (Emergency brake) | | Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal | | |
| STEERING SYSTEM | Parking brake | | SAHR / Panel button | | |
| | Power transmission type | | Hydraulic | | |
| FLUID CAPACITY | Articulation / Oscillation angle | ± (°) | 37 / 6.5 | | |
| | Fuel tank | L (gal) | 300 (79.3) | | |
| | Hydraulic oil tank | L (gal) | 62 (16.5) | | |

● Specified figures have a tolerance of ±5%.

● All specifications may be changed without notice.

● Specified figures are in SI Units, followed by their equivalent in English units of measurement in parentheses.

● Max. operating weight : Fuel=100%, Water=100%, Operator=75kg

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

● The photos may contain optional equipment and/or attachment.

* Using low quality fuel may cause engine failure.



ISO9001 certified Tokyo Head Office,
Tokyo Factory, Global Service Division,
Technical Development Division.



SAKAI HEAVY INDUSTRIES, LTD.

HEAD OFFICE: 1-4-8, SHIBA DAIMON, MINATO-KU, TOKYO JAPAN

TELEPHONE: +81-3-3431-9971

FACSIMILE: +81-3-3436-6212

Standard Equipment:

- AWNING ● Instrument panel ● Gauges ● Backup alarm ● Horn
- Working lights ● Mirrors ● Scrapers for both directions
- Comfort seat ● 4 points lifting

Optional Equipment:

- CABIN ● Air conditioner ● Heater ● Deluxe seat ● Rotary beacon
- Vandalism protections ● CCV