

SV400-2 Series

Vibrating Roller

Medium-size Vibrating Rollers Realize Economical, Efficient Compaction for Small to Medium Earth-moving Projects



The above photo(s) may contain option equipments and/or attachments.

SAKAI®

Selected quality components provide outstanding reliability under harshest conditions.

Features

★ Excellent performance

- Well-balanced front and rear weight distribution contributes to excellent traction and slope climbing ability.
- Three basic drum types are available; smooth drum, padfoot drum and smooth-to-padfoot quick-change combination drum.
- An optimal selection of drum type and setting of dual-frequency dual-amplitude vibration system allows the SV400 roller to handle different types of material efficiently under a wide variety of working conditions.
- The hydrostatic transmission offers variable speed ranges and an ideal speed is easily selected for either working or transit.

★ Easy operation and riding comfort

- Despite powerful vibration, the chassis and operator are fully protected from vibration thanks to SAKAI's patented, unique vibration isolation system.
- Due to the rubber isolator mounted operator deck, the operator's riding comfort is excellent, and electrical instruments and gauges are free from vibration.
- The vibration ON-OFF switch located on the forward-reverse lever facilitates timely vibration control.
- All control and instruments are ergonomically arranged in order to reduce operator fatigue.
- A cushioned, adjustable bucket seat with arm rests is standard.

★ High safety standards

- The roller is equipped with dual independent braking systems. The primary brake is hydrostatic and applied through putting the forward-reverse lever in its "NEUTRAL" position. The three-way secondary braking system is a mechanical spring-applied, hydraulically released type (SAHR) that can be operated either through a push button or pedal or automatically through engine or hydraulic system failure.
- The overall machine design provides the operator with excellent all-around visibility.

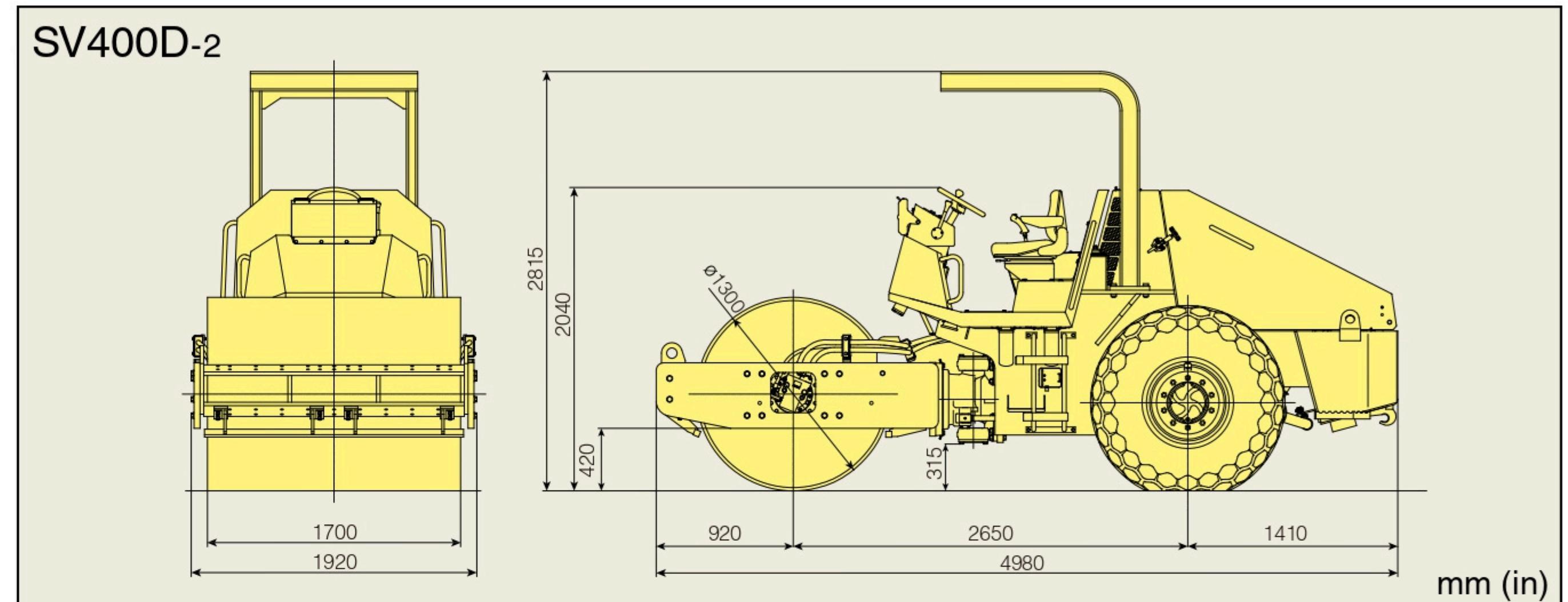
★ Excellent serviceability

- The engine and hydraulic components are enclosed in a compartment. The engine hood opens fully for easy access to engine and hydraulic components for service and maintenance.
- The hydraulic system includes conveniently located pressure gauge ports.
- Large ball bearing and taper bearings are employed in the center-pin mechanism to prolong service life and lubrication intervals.
- The vibrator bearing lubrication system keeps lubricating bearings even during hillside operation.

★ Standard equipment and many options

- Standard equipment includes instruments, gauges, scrapers for both directions, back-up alarm, horn.
- The quiet, high quality diesel engine complies with current EPA emission standards.
- Many options are available; Rops canopy lights and mirrors.

Dimensions



Specifications

| MODEL | SV400D-2 | SV400T-2 | SV400TF-2 | SV400TB-2 | SV400FB-2 |
|---------------------------------------|-----------------------------------|-------------------------|---|-------------------------|-------------------------|
| WEIGHTS | | | | | |
| Gross weight(w.ROPS) kg (lb) | 7,350 (16,205) | 7,600 (16,755) | 8,900 (19,625) | 8,050 (17,745) | 9,250 (20,390) |
| Load on front kg (lb) | 3,500 (7,715) | 3,750 (8,265) | 5,050 (11,135) | 4,380 (9,655) | 5,630 (12,410) |
| Load on rear kg (lb) | 3,850 (8,490) | 3,850 (8,490) | 3,850 (8,490) | 3,670 (8,090) | 3,620 (7,980) |
| DIMENSIONS | | | | | |
| Overall length mm (in) | 4,980 (196) | | 5,000 (197) | | 5,330 (210) |
| Overall width mm (in) | | 1,920 (76) | | 2,250 (89) | |
| Overall height mm (in) | 2,815 (111) | 2,835 (112) | 2,850 (112) | 2,835 (112) | 2,850 (112) |
| Wheelbase mm (in) | | | 2,650 (104) | | |
| Rolling width mm (in) | | | 1,700 (67) | | |
| Ground clearance mm (in) | 315 (12.5) | 325 (13.0) | 340 (13.5) | 325 (13.0) | 340 (13.5) |
| Curb clearance mm (in) | 420 (16.5) | 435 (17.0) | 450 (17.5) | 425 (17.0) | 445 (18.0) |
| SPEED (F & R) | | | | | |
| Low km / h (mph) | | | 0 - 6 (0 - 3.7) | | |
| High km / h (mph) | | | 0 - 10 (0 - 6.2) | | |
| VIBRATING POWER | | | | | |
| Frequency Hz (vpm) | | | L: 38 (2,300) H: 30 (1,800) | | |
| Centrifugal force (Max) kN (kgf) | L: 93 (20,945) H: 118 (26,455) | | L: 103 (23,150) H: 127 (28,660) | | |
| MIN. TURNING RADIUS m (in) | | | 4.9 (193) | | |
| GRADABILITY % (°) | | 62 (32) | 50 (26) | 59 (31) | 48 (25) |
| ENGINE | | | | | |
| Model | | | DEUTZ / TCD2011L04W | | |
| Type | | | Diesel, Water-cooled, 4 cycle, 4 cylinder, with turbo charger | | |
| Piston displacement L(cu,in) | | | 3.619 (221) | | |
| Rated output kW(HP)/min ⁻¹ | | | 74.9 (100) / 2,300 | | |
| Electric system battery V(CCAxpcs) | | | 12 (620 x 1) | | |
| POWER LINE | | | | | |
| Transmission | | | Hydrostatic transmission | | |
| Differential | | | Auto lock type | | |
| Final drive | | | Planetary gear | | |
| VIBRATING SYSTEM | | | | | |
| Transmission | | | Hydrostatic transmission | | |
| Vibrator | | | Eccentric shaft type | | |
| BRAKE SYSTEM | | | | | |
| Service brake | | | Hydrostatic and mechanical type | | |
| Parking brake | | | Mechanical, type | | |
| STEERING SYSTEM | | | | | |
| | | | Hydraulic type (Articulated type) | | |
| ROLL & TIRES | | | | | |
| Use | | | | Vibrate & Drive | |
| Front: roll | | | | Drive | |
| Rear: tire | | | | 2 | |
| No. of tires | | | | | |
| Dimensions | | | | | |
| Front roll: width x dia. mm (in) | 1,700 x 1,300 (67 x 51) | 1,700 x 1,350 (67 x 53) | 1,700 x 1,400 (67 x 55) | 1,700 x 1,350 (67 x 53) | 1,700 x 1,400 (67 x 55) |
| Number of pads | - | - | 140 | | |
| Pad height mm (in) | - | - | 75 (3) | | |
| Tire size | | | | 16.9 - 24 - 6PR | |
| Suspension system | | | | | |
| Front: roll | | | | Rubber damper type | |
| Rear: tire | | | | Rigid | |
| FLUID CAPACITY | | | | | |
| Fuel tank L (gal) | | | | 180 (48) | |
| Hydraulic oil tank L (gal) | | | | 50 (13) | |

* Specifications are subject to change without notice.