

# PT250 · PT310

## *Asphalt Paver*

Compact, crawler type. Fully hydrostatic design enhances performance and simplifies operation.



PT250  
Paving width  
1.4 ~ 2.5 m (4.5 ~ 8 ft.)

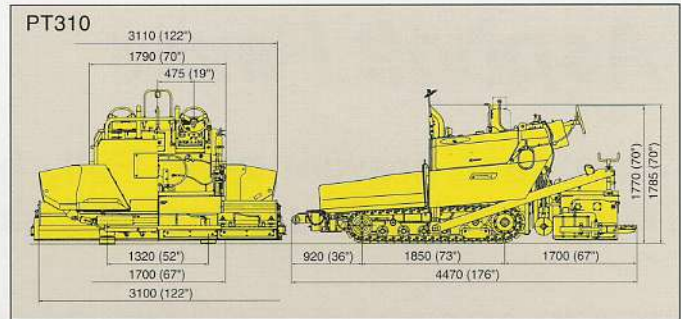
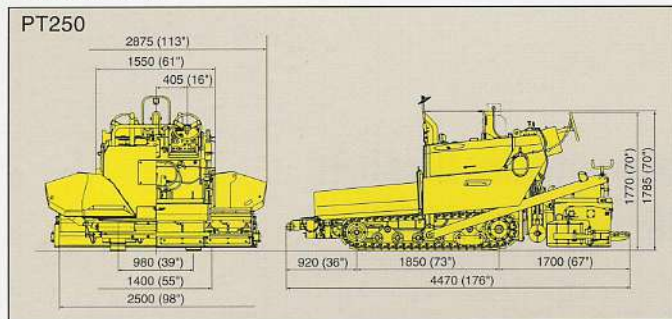


PT310  
Paving width  
1.7 ~ 3.1 m (5.5 ~ 10 ft.)

**SAKAI**®

# Unparalleled durability and paving precision are condensed into this one-man controlled mini-machine.

## Dimensions



## Features

- Each track roller is coupled to its respective equalizer**  
 Straight, even paving is assured due to Sakai's unique equalizer mounted track rollers which minimize the influence of the rough surface of road base.
- Hydraulically operated 2-stage folding hopper**  
 Sakai's unique, quick-folding hopper is hydraulically folded in two steps. The large-capacity hopper makes the PT250 and PT310 adaptable to large-size dump trucks, boosting work efficiency.
- Straight, level paving is assured**  
 The 2-point suspension for the extension screed guide rod minimizes unfavorable horizontal and lateral movement. This feature shortens the time required to match the levels of the main screed and extensions. Furthermore, the extension on each side is symmetrically positioned to the machine, thereby improves paving smoothness.
- Multi-purpose safety switch ensures safe, efficient work**  
 Starting and stopping of the machine and its working equipment is controlled by an easy-to-operate safety switch. The resumption of paving is simply accomplished via a safety switch after interruptions that occur while waiting for the asphalt mix truck.
- Standard pivot cylinders for quick thickness adjustment**  
 The adjustment of paving thickness can be made instantaneously by operating pivot cylinder switches, greatly increasing work efficiency. A switch is conveniently located on each side of the machine.
- Ergonomically located instruments and controls**  
 Controls are arranged by frequency of use and instruments and gauges are easy to monitor. The machine offers excellent allround visibility to increase safety and ease of machine positioning.
- Synchronized spreader and screw movement**  
 The lateral movement of the spreader and screw system is synchronized, thereby eliminating the risk of the bottom part of the machine hitting obstacles when clearing manholes or when loading the machine for transportation.
- Automatic material feed control**  
 The feed of material from the feeder to the screws is regulated by a switch located on each side of the machine. The speed of feeder and screws is optimally set by turning a knob to meet the job requirements. This enables the feed of the material from the feeder to completely match spreading speed of the screws.

## Specifications

| MODEL                  |                      | PT250                                | PT310                      |
|------------------------|----------------------|--------------------------------------|----------------------------|
| <b>WEIGHTS</b>         | kg (lbs)             | 4,900 (10,800)                       | 5,350 (11,800)             |
| <b>OVERALL WIDTH</b>   |                      |                                      |                            |
| Operating              | mm (in)              | 2,715 (107")                         | 3,315 (131")               |
| Travel                 | mm (in)              | 1,665 ( 66")                         | 1,965 ( 77")               |
| <b>TRACTION SYSTEM</b> |                      |                                      |                            |
| Track center width     | mm (in)              | 980 ( 39")                           | 1,320 ( 52")               |
| Track width            | mm (in)              | 200 (8.0")                           |                            |
| Steering               |                      | Hydraulic type                       |                            |
| <b>PERFORMANCE</b>     |                      |                                      |                            |
| Paving width           | mm (in)              | 1,400 ~ 2,500 (55" ~ 98")            | 1,700 ~ 3,100 (67" ~ 122") |
| Paving thickness       | mm (in)              | 10 ~ 150 (0.4" ~ 5.9")               |                            |
| Travel speed           | m/min                | 1 ~ 12 (39.3 ~ 472 in/min)           |                            |
| Operating speed        | km/h                 | 0 ~ 2.4 (0 ~ 1.4 mile/h)             |                            |
| Gradability            | %                    | Travel 40 (22°)   Operating 17 (10°) |                            |
| Min. turning radius    | m (in)               | 1.2 (47")                            | 1.5 (59")                  |
| Crown control          | %                    | -1 ~ +3                              |                            |
| <b>ENGINE</b>          |                      |                                      |                            |
| Model                  |                      | ISUZU "4LE1" Diesel engine           |                            |
| Type                   |                      | Water - cooled, 4 - cycle            |                            |
| Displacement           | L (cu.in)            | 2.179 (133)                          |                            |
| Rated output           | kW/min <sup>-1</sup> | 29 / 2,100 (39 HP / 2,100 rpm)       |                            |
| <b>SCREED</b>          |                      |                                      |                            |
| Main screed            | mm (in)              | 1,400 (55")                          | 1,700 (67")                |
| Extension screed       | mm (in)              | 630 (24.8") x 2                      |                            |
| Plate width            | mm (in)              | 360 (14")                            |                            |
| Heating system         |                      | Propane burner                       |                            |
| Thickness control      |                      | Control handle                       |                            |
| <b>FEEDER</b>          |                      |                                      |                            |
| Effective width        | mm (in)              | 500 (20")                            | 730 (29")                  |
| Speeds                 | m/min                | 0 ~ 20 (0 ~ 787 in/min)              | 0 ~ 18 (0 ~ 709 in/min)    |
| Rotating direction     |                      | Forward & Reverse (hydraulic)        |                            |
| Control                |                      | Man & Auto (variable)                |                            |
| <b>SPREADER</b>        |                      |                                      |                            |
| Dia x Pitch            | mm (in)              | 230 x 200 (9" x 8")                  |                            |
| Revolution             | rpm                  | 0 ~ 60                               |                            |
| Control                |                      | Man & Auto (variable)                |                            |
| <b>HOPPER</b>          |                      |                                      |                            |
| Type                   |                      | Hydraulic 2 steps                    |                            |
| Capacity               | ton (lbs)            | 3.4 (7,495)                          | 3.8 (8,380)                |
| <b>VIBRATOR</b>        |                      |                                      |                            |
| Drive                  |                      | Hydraulic type                       |                            |
| Revolution             | Hz (vpm)             | 0 ~ 52.5 (0 ~ 3,150)                 |                            |
| <b>TANK CAPACITY</b>   |                      |                                      |                            |
| Fuel tank              | L (gal)              | 46 (12.2)                            |                            |
| Hydraulic tank         | L (gal)              | 70 (18.0)                            |                            |

\* Specifications are subject to change without notice.

**SKO SAKAI HEAVY INDUSTRIES, LTD.**

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

TELEPHONE: TOKYO (03) 3431-9971

FACSIMILE: TOKYO (03) 3436-6212



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