SUMITOMO
PAVERS

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Dealer _____

Products are constantly being improved and we reserve the right to change the design and specifications of the products without notice. Illustrations may include optional equipment and accessories, excluding all standard equipment.

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SUMITOMO

SUMITOMO Asphalt Paver

J-PAVER HA90C-3

JAPANESE TECHNOLOGY

Perfect paving opens the road to the new world.

The HA90C-3 (Dash 3) further set the record of an ideal asphalt paver over the previous models, which is already excellent in paving quality, smooth operation and eco-friendly performance, widely praised all over the world. Based on over 60 years of Sumitomo's manufacturing experience and know-how, Dash 3 combines the best workability and next-stage ease of operation. Challenging the world's cutting-edge road paving technology, we are leaders in providing solutions for on-site paving with the support of Sumitomo's advanced technologies and performance.

Sales points of Sumitomo asphalt paver

- **Human Friendly** — **High performance & quality**
- **Eco Friendly** — **Versatility & comfort**
- **Repair Friendly** — **Powerful & fuel efficient**

New era. Sumitomo asphalt paver

HA90C-3

Meet the Tier 3 emission standards for Off-Road Machinery.

World First! Equipped with the exclusive Sumitomo J.PAVER technology screed.

Sumitomo Pavers have been equipped with J.PAVER screed for more than 20 years, and have sold over 10,000 units globally. The equipment has been highly appraised by the global road paving industry.

2.8 m to 7.5 m

Suitable for various paving sites.

Maximum paving width of 9 m

The fully extended screed covers 9 m for wider and more efficient paving operations.

Low fuel consumption & environment friendly Isuzu engine made in Japan

HA90C-3 is equipped with the Isuzu engine, known for advanced perfomance, made in Japan. The latest engine technologies have been adopted and include, the common rail fuel injection system for superior fuel consumption, and cooling EGR. The powerful horsepower and smooth operation are achieved while being clean, eco-friendly and fuel efficient.

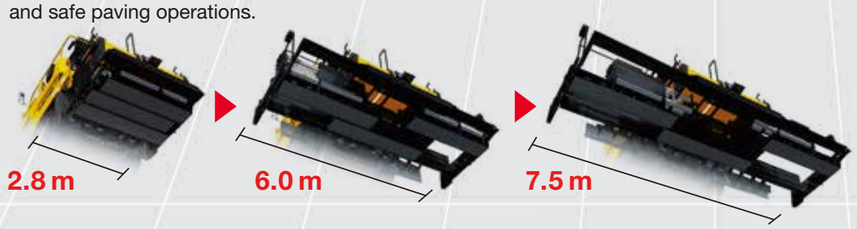


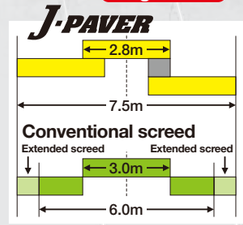
ISUZU AH-4HK1X ENGINE made in Japan

High rigidity J.PAVER matches the global standard

SUMITOMO Original

Sumitomo's J.PAVER 2875 model features the original triple screed, which vary between 2.8 m and 7.5 m with a single switch. The paving width can be varied smoothly during paving. The enhanced frame structure of the large-diameter telescopic units achieves precise, reliable and safe paving operations.





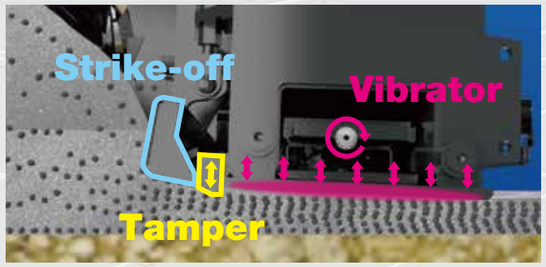
High-quality paving utilizing original and leading technology.



STV compaction system

SUMITOMO Original

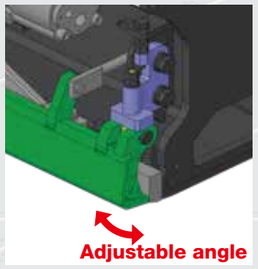
Sumitomo's original Strike-off + Tamper + Vibrator combination. Strike-off leads material to the tamper smoothly, with this structure tamper and vibrator can perform adequate compaction.



Adjustable Strike-off

SUMITOMO Original

The adjustment of the feeding height (strike-off angle) of the screed is changed by adjusting the leading gasket and an internal part. The feeding height can be easily adjusted from the rear or side of the screed to appropriately handle large particles or thick layer paving for all kinds of paving.



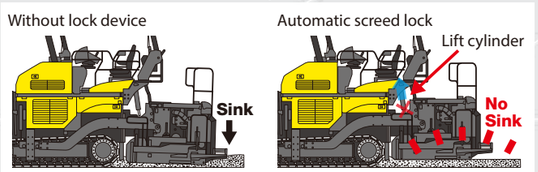
Screed arm adjustment mechanism

The position of the screed can be optimally adjusted according to the asphalt type or paving thickness. By adjusting the distance between the machine and the screed, even laying thick layer pavings of large particles can be paved at high-quality.



Automatic screed lock

When the automatic lock device is activated, the screed lift cylinder prevents (holds) the screed from sinking into the surface when the machine stops.



Screed assist

When paving thick layers, the screed lift cylinder assist floating of the screed by the back pressure.

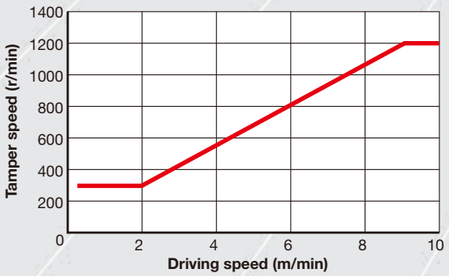


Automatic tamper speed setting

SUMITOMO Original

When using the automatic mode, the system will automatically set the tamper speed appropriate to the paving speed, material or surface. In addition, the tamper speed can be adjusted manually. Switch between automatic or manual mode via the display screen.





Electric heating system

The electric heating mode uses a highly durable heating rod to heat the screed. After the switch is turned on, heating is controlled by the computer. The set temperature can be maintained stably and is more eco-friendly and easier to maintain than gas heating.







Extendable mold board (powered type)

The extendable mold board extends together with the screed, and cuts off the material to avoid over flow in front of the rear screed. It also carries material smoothly to the end of the screed.









Hydraulic height adjustment

Large diameter telescopic unit

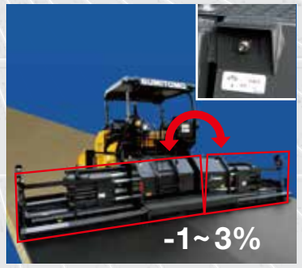
SUMITOMO Original

The screed uses a large-diameter telescopic conduit for the world's largest grade. The rigidity of the screed is greatly improved when extended for flatter, precise paving and reassuring operation.



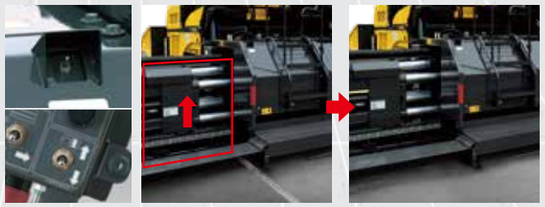
Power crown adjustment

The screed features hydraulic power crown adjustment. The crown can be adjusted by a convenient switch. For continuous paving such as on mountainous roads, this improves efficiency for variable crowns.



Adjustable screed height

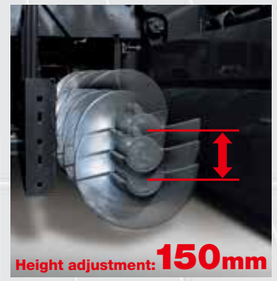
The height of the screed can be adjusted conveniently and quickly at the flick of a switch. Adjusting the height varies the paving thickness to get uniform paving.



Adjustable auger height

The auger height can be adjusted hydraulically according to the paving thickness at the flick of a switch.





The screed uses EMS bushing

SUMITOMO Original

The screed implements Sumitomo's EMS (easy maintenance system) for ease of use. The use of special bushings maintain lubrication between moving parts, extends service life, and reduces maintenance time.



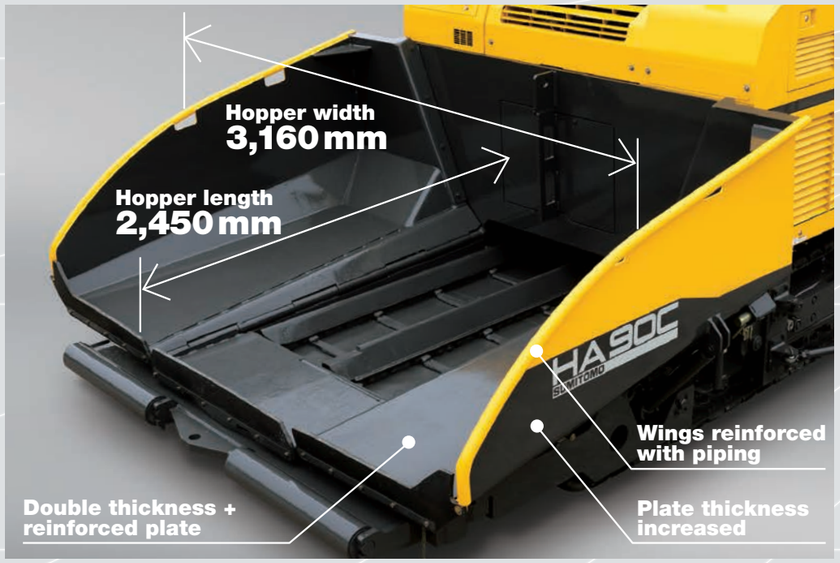
Self-lubricating EMS bushing

Well-designed comfort better polished workability.



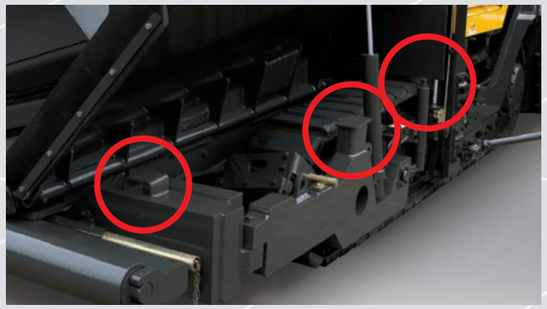
A new convenient, durable hopper

The new design of the large capacity hopper allows for faster operation and shorter stand-by time when refilling material. The flat bottom plate reduces asphalt material accumulation for smoother paving operations. Durability has been improved by thickening the bottom plate and front apron as well as reinforced wings.



Reduce the impact of dump truck contact

Brackets have been added under the hopper wings to reduce impact from dump trucks.



Oscillating push roller

The newly designed push roller improves take-up from the dump truck and reduces material accumulation or spillage.



The hopper front apron

The hopper front apron is operated by hydraulic cylinder, which keeps material inside the hopper and prevents it from spilling onto the ground.



Strengthened conveyor belt

The bottom plate of the conveyor is made of new stronger, more reliable friction resistant steel. The conveyor can be reversed at the flick of a switch to prevent failure due to trapped stones.



Large top canopy

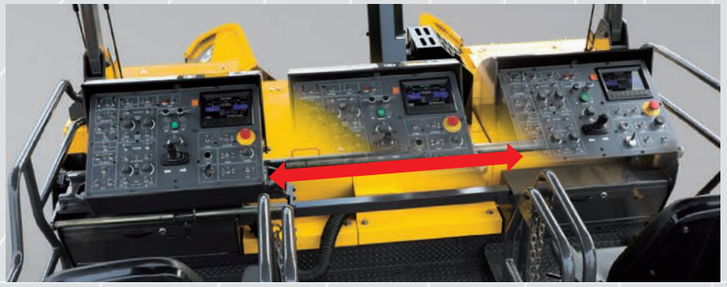
The standard large FRP top canopy improves the comfort of the driver during the day. The ceiling can be lowered manually to ease transportation or storage. The new, large sliding sunshade gives the operator more comfort.





Movable operator console

The console can be moved from left to right according to on-site needs, which provides the operator with greater-flexibility.



Separated crawler rubber pad

Replacements are easier to do. Only the damaged parts need to be replaced, which greatly reduces the maintenance time and cost.



LED work light

All lights on the machine are bright, long-life LEDs for safer operation at night.



Front of top canopy



Sides and rear of top canopy



Auger

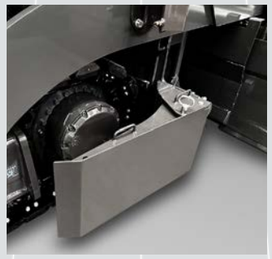
Slide out seat

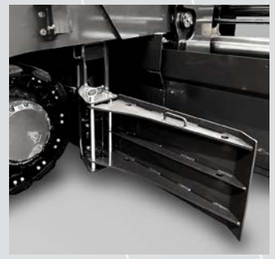
The slide out seat is useful for checking the road and working conditions. The operator console can also slide to suit the seat, for a higher level of comfort.



Folding retaining plate

Folding retaining plate the asphalt material from entering the track shoe or the traveling motor, for improved durability.





The new operation panel is easy to use, simple and reassuring.



New operator console layout

Switches for each operation and function are conveniently configured on the new ergonomic operator console. The operation panel is equipped with a full-color display, which is designed for ease of use. In the event that the side screed console is faulty, the main operator console in front of the driver's seat can also be used for operations.



- **A** Emergency travel control
- **B** Screed control
- **C** Hopper
- **D** Auto leveling mode
- **E** Auger height adjustment
- **F** Conveyor control
- **G** Auger control
- **H** Steering control
- **I** Engine control
- **J** Travel control

Full color display

The main display in front of the driver's seat has a 7-inch wide full-color display that is easy to read even in bright places. Mechanical status, engine rpm, speed display and a variety of operational information can be displayed on this screen. Emergency operation, maintenance information and mechanical management functions can also be displayed. By visualizing the operation status, various operations are reassuringly and accurately supported.



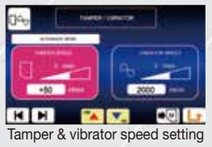
Normal display



Menu



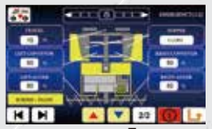
Maintenance



Tamper & vibrator speed setting



Language settings



Emergency



Emergency

Screed operation console

The color sub-displays are at the top of left and right screed operation consoles (controlling screed extension, leveling, and conveyor speed). Various operations such as tamper and vibration speed, heating temperature and emergency operation are made easier. Moreover, the auger and conveyor belt can be operated separately.



- **B'** Screed control
- **G'** Auger & conveyor control



Screed operation panel



Normal display



Tamper & vibrator speed settings



Emergency operation



Auger & conveyor belt control settings

Smooth steering

The machine can automatically control the speed difference between the left and right tracks for smoother turns with a certain curve radius. Both tracks are driven at the same time, even when turning, for better traction and climbing performance.

Spin turn

This function makes it possible to turn on the spot, which is useful in cramped work sites. Dead-ends and corners can also be paved smoothly, and the machine can be withdrawn laterally.

Self-centering direction stick

The direction operating automatically returns to its neutral position after release to prevent operation errors. The fine-tuning steering knob is convenient for when paving around curves.



Eco Mode switch

The Eco Mode switch drops the engine speed from 2,000rpm to 1,800rpm under light loads, which is useful for reducing fuel consumption.



Emergency stop button

The main operation panel in front of the driver's seat and side screed operation console are equipped with an emergency stop button for safer operations.



Operation panel



Screed operation

Easy transportation

When the screed of HA90C-3 is equipped with side plates, its transportation width is within 3 m for convenient and flexible transfer requirements.



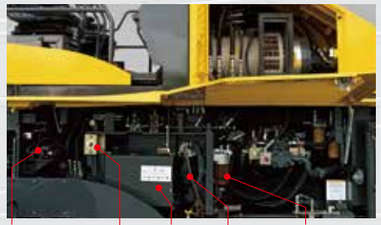
Transportation width **2.99** m

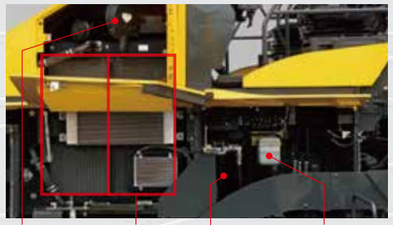


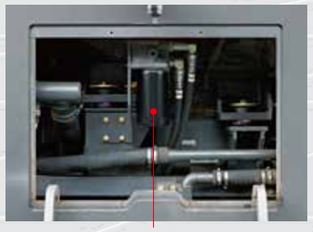
Easy-of-maintenance and high-performance options.

Easy maintenance

Frequently used parts are conveniently positioned on both sides of the machine for operation and inspection, and daily maintenance of the machine. A dust screen is set in front of the cooling device for improved maintenance performance.

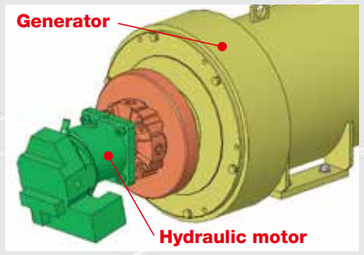






Heating generator without daily maintenance

The generator is changed from belt drive to direct motor drive removing the need of belt adjustment.



Centralized lubrication device

Automated lubrication saves maintenance costs and working hours.



Cleaning spray system

The usability of the cleaning spray system is improved by additional hose reel.

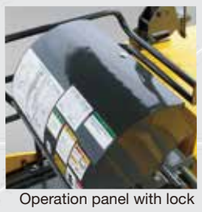




Other devices

Crawler blade
Removes asphalt material spilled from the front end of the crawler to prevent damaging the paved surface.



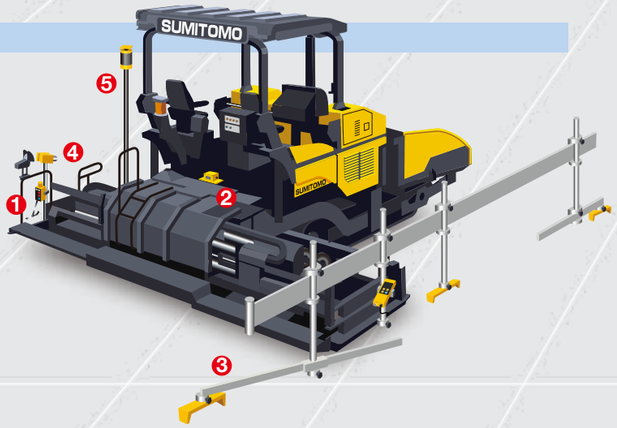

Operation panel with lock


Tool cabinet

3D machine control (optional)

Grade sensor and slope sensor can reduce work load and improve accuracy. 3D design data can be input in advance to automate paving operation. This machine can also use advanced 3D machine control systems.

	Optional equipment	Type
❶	Grade sensor	Contact / ultrasonic
❷	Slope sensor	Analog / digital
❸	Big-Ski	3 or 4 sections, ultrasonic type
❹	Material flow sensor	Auger rotation speed
❺	3D machine control	GPS / total station



Principle specifications

		HA90C-3
Paving capacity	Paving width	2.8 ~ 7.5 m (telescopic) maximum 9.0m (with extended screed)
	Maximum paving thickness	300 mm
	Paving speed	1.5 ~ 20 m/min
	Center crown ratio	-1 ~ 3 %
Overall unit	Overall length	7,310 mm
	Overall width (Transportation)	2,990 mm
	Overall height (with top canopy)	3,860 mm
	Transportation weight / total equipment weight	22,600 kg (during transport) / 24,200 kg (total equipment)
Conveyor belt system	Width x No. of line	400 mm x 2
	Rotating speed	0 ~ 24.5 m/min
Auger system	Dimensions	Φ400 x 330 mm
	Rotating speed	0 ~ 83 min^{-1}
Screed system	Model	JP2875 J.PAVER
	Heating system	Electric
	Compaction system	Hydraulic Tamper + vibrator
Drive system	Type of driving method	Crawler (Track)
	Drive method	HST
	Traveling speed	0 ~ 3.0 km/h
Engine	Make & Model	Isuzu 4HK1X (matching Tier 3 emission standards)
	Displacement	5,193 cc
	Rated output	132.1 kW
	Fuel tank capacity	290 L

Dimensions

HA90C-3 (with optional equipment) (mm)

