

Technical information

MINI 502



Wheeled paver MINI 502

Mini Class

TECHNICAL HIGHLIGHTS

- > Maximum pave width 10 in. – 5 ft. 11 in. (0.25 m – 1.8 m)
- > Pave speed up to 1.5 mph (2.4 km/h)
- > Maximum laydown rate 22 tons/h (20 tonnes/h)
- > Transport width 3 ft. 2 in. (0.92 m)

MINI 502 - Compact design, truly revolutionary

Conventional asphalt pavers are not especially suitable for projects with a pave width of less than 4 ft. 11 in. (1.5 m) – asphaltting cycle paths or ditches for pipelines/fiberoptic cables, for example. Because of this, these projects are often completed manually, requiring at least four laborers. The result is frequently uneven and relatively poor-quality surface paving.

Our MINI 502 compact paver was designed to supply the market with a machine to make it easier for contractors to complete this type of project. Its maneuverability, compact size and low weight are outstanding.



TECHNICAL DATA	MINI 502
Power unit	
Engine	
> Version	Liquid-cooled 2-cylinder diesel engine
> Manufacturer	Kubota
> Type	Z602-E4B-EU-X7
Output	
> Nominal	14 hp (10.2 kW) at 3,200 rpm
> ECO mode	11 hp (8 kW) at 2,500 rpm
Emissions information	
> Exhaust emission standards	EU Stage V, US EPA Tier 4f
Fuel tank	5 gallons (US) (19 liters)
Undercarriage	
Front wheels	
> Version	2, mounted on bogies
> Tire equipment	Elastic solid rubber tires
> Tire size	12 in. x 4 in. (300 x 100 mm)
Rear wheels	
> Tire equipment	Elastic solid rubber tires
> Tire size	1 ft. 5 in. x 5 in. (432 x 127 mm)
Traction drive	Closed loop hydraulic system
Speeds	
> Paving	Up to 131 fpm (40 m/min.), infinitely variable
> Travel	Up to 131 fpm (40 m/min.), infinitely variable
Material hopper	
Hopper capacity	1.32 tons (1.2 tonnes)
Width	4 ft. 11 in. x 6 ft. 9 in. (1,200 x 2,050 mm) (with hopper sides open)
Dump height	4 ft. 7 in. (1,400 mm)

Conveyors and augers

Conveyor

> Version	1, with wear-resistant steel conveyors with reversible running direction
> Drive	Separate hydraulic drives
> Speed	Up to 56 fpm (17 m/min.), infinitely variable

Augers

> Version	2, reversible auger rotation
> Diameter	6 in. (140 mm)
> Drive	Independent hydraulic drives for each conveyor and each auger
> Option	Independent controls for each conveyor and each auger
> Speed	94 rpm

Auger height 4 in. (10 cm) from the ground to the bottom edge of the augers

Screed options

AB 135

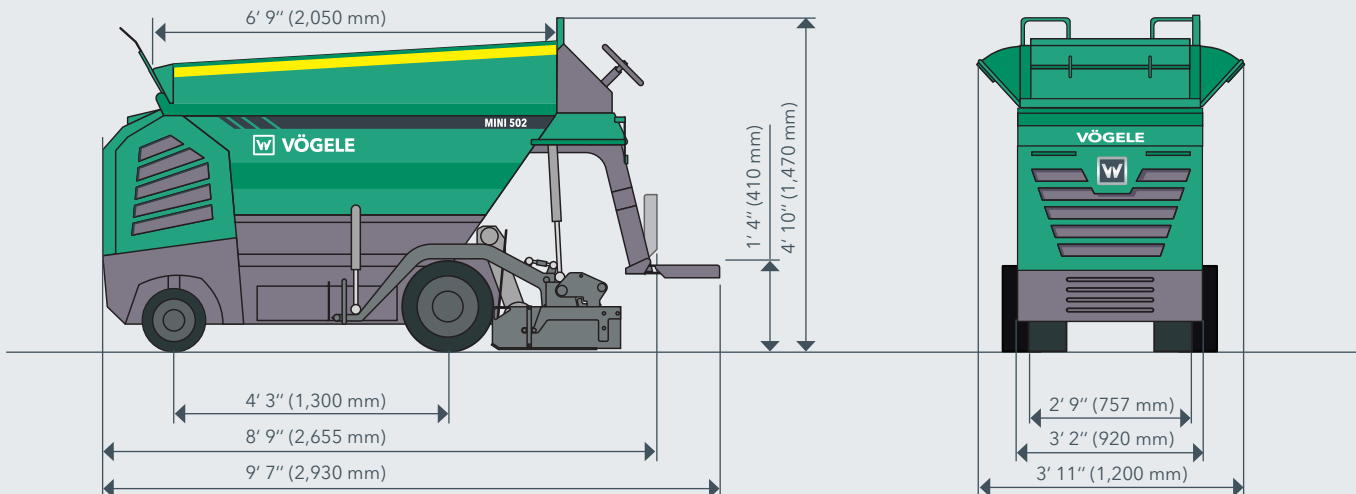
Basic width	2 ft. 7 in. to 4 ft. 5 in. (0.8 m to 1.35 m)
Maximum width	5 ft. 11 in. (1.8 m)
Minimum width	10 in. (0.25 m)
Compacting system	V
Layer thickness	Up to 4 in. (10 cm)
Screed heating	
> Version	Gas heating with 3 burners and electronic ignition
> Power supply	Gas bottle

Dimensions (transport) and weights

Transport width	3 ft. 2 in. (0.92 m)
Length	Tractor unit and screed
> AB 135	8 ft. 9 in. (2.66 m) (with footstep folded away)
Weights	Tractor unit and screed
> AB 135	2,734 lbs (1,240 kg)
> AB 135 with bolt-on extensions	2,787 lbs (1,264 kg)

Key: AB = Extending Screed, V = with vibrators

SIDE AND FRONT VIEW



THE HIGHLIGHTS OF THE MINI 502

- > Water-cooled 2-cylinder diesel engine with an output of 14 hp (10.2 kW) ensures adequate drive power. Meets current EU Stage V exhaust emissions standards as well as EPA Tier 4.
- > Powerful hydrostatic drives efficiently apply the output of the diesel engine.
- > The four wheels, two drive wheels at the rear and two steering wheels mounted on bogies at the front, give the paver a high degree of stability when paving and repositioning. The wheeled undercarriage performs particularly well when paving tight curves.
- > Its material hopper with a capacity of 1,32 tons (1.2 tonnes) and the hopper sides allow the machine to be fed simply and conveniently by wheel loaders or excavators.
- > A conveyor made of wear-resistant steel conveys the material to the sensor-controlled augers, which ensure a consistent head of material in front of the screed.
- > From the operator's standing position, a perfect overview is provided and the operator is able to conveniently handle the paver alone. The self-explanatory symbols and clear arrangement of the controls make MINI pavers very easy to operate.
- > Thanks to their compact dimensions, MINI pavers are ideal for construction projects involving the tightest of spaces, where a mechanical paving process would once have been inconceivable.
- > The AB 135 covers a broad range of paving applications. The minimum pave width with cut-off shoes is 10 in. (25 cm), whilst maximum width with bolt-on extensions is 5 ft. 11 in. (1.8 m). Compaction is effected by hydraulically controlled eccentric vibrators.
- > The screed is heated by liquid gas, with electronic ignition for maximum safety.

FEATURES	MINI 502
> Two drive wheels at the rear and two steering wheels mounted on bogies at the front	■
> Hydraulic transmission system	■
> Electronic potentiometer for high-precision speed adjustment	■
> 40-amp alternator	■
> Gas-heated screed with hydraulically adjustable pave width: 2 ft. 7 in. to 4 ft. 5 in. (800 - 1,350 mm)	■
> Hydraulic vibrators with standby control	■
> Hydraulic system for checking layer thickness	■
> Automatic system for temperature control, electronic ignition	■
> Reducing system (minimum pave width: 10 in. (25 cm))	□
> Separate augers and conveyors, driven by a single motor and two feed sensors	□
> Remote control for the operator to adjust the screed	□

This list is just an extract of the scope of supply.
Standard features and options may differ by sales region.

■ Standard feature □ Option

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