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**ENVIRONMENTAL
TECHNOLOGY AWARD**
BADEN-WÜRTTEMBERG 2021
3RD PRIZE
CATEGORY 3
EMISSION REDUCTION,
TREATMENT & SEPARATION



VM-301-GREENLINE with HVZ-UNI-II

Installation Machine VM-301-GREENLINE

Installation Machine VM-301-GREENLINE – the new scale in mechanical paving

All machine functions are powered by maintenance-free asynchronous motors.
Up to 8 kW drive power transmitted to the drive gears by a differential axle.
Hydraulic unit with up to 5 kW of power to supply the work hydraulic system.
Automatic electric parking brake on the front axle.
Basic device incl. hydraulic rotator, without attachment.

Battery technology / Basic version:

2 lithium ion rechargeable batteries at 48 V, 105 Ah.

Total: 210 Ah / 10.1 KWh

Recharging technology: 2 on-board chargers, each 48 V, 50 A

Charging time (battery power at 0 %) on a 230 V power supply: approx. 4.6 h

Charging time (battery power at 0 %) on a 400 V power supply: approx. 2.3 h

Max. battery life up to 6 hours of paving operation (without electrical consumers such as heating, fan, lights, radio ...). With intermediate charging (with quick charge function 400V / e.g. 1 h during lunch break) up to 8 h of paving operation.

For 50% more battery capacity: optional 3 lithium-ion rechargeable battery at 48V, 105Ah.



VM-301-GREENLINE with HVZ-UNI-II

Type	Description	Dimensions L x W x H mm (in)	Type of Drive electric/ Battery kW	Working Pressure bar (psi)	Working Voltage V	Dead Weight kg (lbs)	Hydr. Volumet- ric Flow l/min (gpm)	Max. Weight Paver Layer kg (lbs)	Working Load Limit/WLL kg (lbs)	Turning Radius mm (in)	Order-Number
VM-301- GREENLINE	Basic device installation machine without laying clamp HVZ	3,692 x 1,220 x 1,980 (145.35 x 48.03 x 77.95)	8/5	180 (2,611)	48	1,340 (2,954)	20 (5.28)	320/ 380 (705/ 838)	650 (1,433)	2,450 (96.46)	51500024



VM-301-GREENLINE with HVZ-UNI-II

- Fully glazed tubular steel cabin for weather protection with heating and windscreen wiper.
- Continuous hydraulic rotator.
- Electronic joystick with arm support for controlling main/ side gripping width and rotator.
- Emission-free and low-noise operation.
- Very low vibrations.
- Very efficient use of energy thanks to the refined electric motors.
- Display with indicator for battery level, driving speed, operating hours, etc. Wide diameter tyres and high ground clearance, therefore suitable also in rough terrain.
- Wide pivoting range of approximately 1,600 mm from a standing position is achieved solely by a steering movement – and without shifting of the pavement.
- Double articulated steering enables manoeuvrability in the tightest spaces.
- Unlimited all-round-view for the driver, important when driving backwards.
- Ergonomical positioning of the seat, steering wheel, joystick, operating lever and pedal.
- With standard built-in radio.

Accessories:

Type	Description	Weight Dead Weight kg (lbs)	Order-Number
Battery 48V/105Ah	Rechargeable battery for VM-301-GREENLINE	37.0 (82)	24200146
Extra weight	To increase the working load limit to 380 kg	35.9 (79)	41500357
Exterior mirror	Retrofit kit	13 (29)	41500358
Mounting bracket	For light package and/or exterior rear-view mirrors (is only required once)	1.6 (3.53)	41500739
Windscreen washer	With adjustable spray nozzles on the windscreen wiper arm. Without adjustable wiping interval. Retrofit kit for VM-301-K/VM-301-GL	13.7 (30)	41500788
LED-Light kit VM-301-GL	2 x LED headlamps, 1 x LED rear light	3.5 (7.72)	41500977
LED-Turning Light	Incl. fold-out foot	2.0 (4.41)	41500978
Reversing alarm	For VM-301-GL	2.0 (4.41)	41500983
Adapter QJ	For Rotator	1.5 (3.31)	40110319

