

# VL800

## 500 kg semi-electric self-propelled stacker



### INTRODUCTION

The VL800 semi-electric stacker is designed to make it easier to load materials into a transport vehicle, without the need for a tailgate or ramp. It lifts a pallet load, inserts it into the vehicle and then raises its own structure on board using an electric lifting system and a guided sliding device.

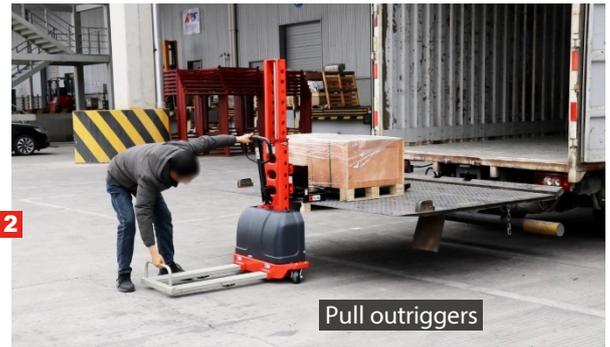
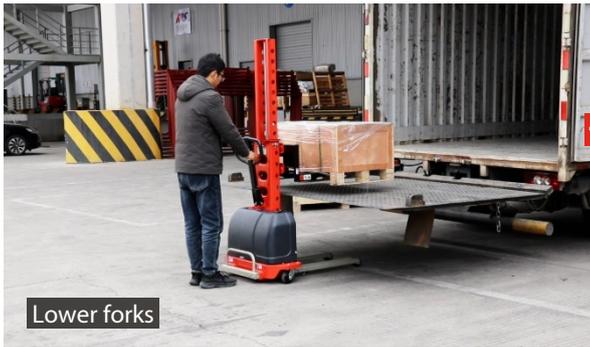
This makes for autonomous, safe loading in confined spaces. Compact and easy to use, it meets the needs of mobile users in transport, logistics or maintenance.

### // ADVANTAGES

- Self-boarding system that considerably reduces loading and unloading time. The stacker lifts itself into the truck. Only one person is needed to operate the equipment.
- Electric lifting and lowering, manual operation.
- Simple two-button operation (up/down)
- Available in three lift heights: 800 mm, 910 mm and 1310 mm. This stacker can be adapted to any type of lorry or commercial vehicle.
- Designed to adapt to different vehicle models
- Guide rollers ensure stability during ascent
- Compact design with a turning radius of just 1120 mm
- Integrated loader



## LOADING STAGES



### Technical data in accordance with VDI 2198

<b>Specifications</b>	1.2	<b>Reference - Model</b>		<b>VL800</b>
	1.3	<b>Propulsion mode</b>		Manual
	1.4	<b>Driving style</b>		Pedestrian
	1.5	<b>Rated capacity</b>	$Q$ (t)	0,5
	1.6	<b>Centre of gravity</b>	$c$ (mm)	400
	1.8	<b>Distance from carriage to roller axis</b>	$x$ (mm)	795
	1.9	<b>Wheelbase</b>	$y$ (mm)	860
<b>Weight</b>	2.1	<b>Weight with batteries</b>	kg	170
<b>Wheels Chassis</b>	3.1	<b>Wheels</b>		Nylon / polyurethane (PU)
	3.2	<b>Drive wheel dimensions</b>	$\varnothing \times w$ (mm)	$\varnothing 30 \times 26$
	3.3	<b>Front wheel dimensions</b>	$\varnothing \times w$ (mm)	$\varnothing 70 \times 60$
	3.4	<b>Stabiliser wheel dimensions</b>	$\varnothing \times w$ (mm)	$\varnothing 40 \times 26$
	3.5	<b>Number of front / rear wheels (x= drive wheel)</b>		2 / 2/6
	3.6	<b>Frame spacing</b>	$b_{10}$ (mm)	535
	3.7	<b>Rear wheel centre distance</b>	$b_{11}$ (mm)	670
<b>Dimensions</b>	4.2	<b>Height of lowered mast</b>	$h_1$ (mm)	1120
	4.4	<b>Standard lift</b>	$h_3$ (mm)	800
	4.5	<b>Extended mast height</b>	$h_4$ (mm)	1900
	4.15	<b>Minimum fork height</b>	$h_{13}$ (mm)	90
	4.19	<b>Overall length</b>	$l_1$ (mm)	1565
	4.21	<b>Overall width</b>	$b_1$ (mm)	790
	4.22	<b>Fork dimensions</b>	$s / e / l$ (mm)	60 / 155 / 1150
	4.25	<b>Outside width of forks</b>	$b_5$ (mm)	535
<b>Performance</b>	4.35	<b>Turning radius</b>	$W_a$ (mm)	1120
	5.2	<b>Lift speed with / without load</b>	mm / s	80 / 110
<b>Electrical system</b>	5.3	<b>Lowering speed with / without load</b>	mm / s	80 / 80
	6.2	<b>Lift motor, power S3 60 min</b>	kW	12 / 0.8
	6.4	<b>Battery voltage / rated capacity K5</b>	V / Ah	12 / 33
<b>Miscellaneous</b>	6.5	<b>Battery weight</b>	kg	10
	8.4	<b>Driver's ear noise level to EN 12053</b>	dB (A)	< 70 dB (A)