



TAWI Mobile Order Picker

Time-efficient order picking



Efficient warehouse logistics with mobile order picking

Good ergonomics is an effective way of making your business more productive and profitable. This mobile vacuum lifter enables one person to do what has often been a two-person job.

-  Ergonomic
-  User friendly

Swedish quality. Global solutions.

Our lifting equipment has been facilitating ergonomic material handling for decades, and by customizing our solutions to your specific needs, we can guarantee that they will help lift your business.

The TAWI Mobile Order Picker offers a unique solution for order picking from pallet racks, shelves or conveyors. Simply pick up the lifting unit with any kind of pallet jack or truck and drag or drive wherever you need to go.



“We use TAWI lifting equipment every day, the lifters are easy to use, reliable and facilitates our daily work. The feeling of moving our products effortlessly is amazing”

Markus Widén
Production manager, Ferrita, Sweden



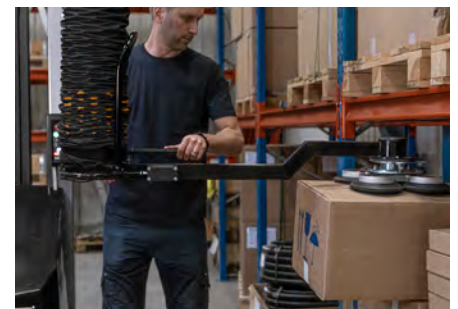
Pick and lift just about anything, anywhere



The lifter easily handles a wide variety of loads including boxes, bags, boards, drums and more.



A vacuum lifter on an articulating arm enables you to reach far into pallet racks.



Lift up to 175 lbs without physical effort. The lifter saves the operator from lifting in uncomfortable positions.



Achieve successful warehouse order fulfilment with our mobile order picker

The TAWI Mobile Order Picker - helps you double productivity

The challenge - while other operations in a warehouse can be automated, order picking largely remains manual. You will probably find that at least 50% of labor costs in your warehouse are related to order picking - a great potential for cost savings.

The solution - our mobile vacuum lifter enables one person to do what has often been a two-person job. Anyone can now lift heavy goods and place them on pallets in a safe and ergonomic way.

“The investment in TAWI lifting equipment pays off quickly due to the obvious health benefits for the employees”

Danny Flass
Production site supervisor, Rockwool, Belgium

Solutions for successful warehouse order fulfilment

Achieve time-efficient order picking without compromising quality or worker health and safety. The order picker enables you to move quickly from pallet rack to pallet rack, picking goods onto a pallet with minimal physical effort.

 Ergonomic

 User friendly

The mobile order picker is a mobile vacuum lift unit compatible with any forklift or pallet jack.

Using our Mobile Order Picker with the **Easy Reach** tool allows the operator to easily reach into pallet racks, picking goods from the back end of a pallet without moving a muscle. This saves the operator from lifting in uncomfortable positions.

The Order Picker is easily adjusted in height to match the height of your pallet racks.

With a wide selection of suction feet, you can easily find the tool needed to lift your goods. Need to lift more than one type of load? Add a quick coupling and easily switch between tools for various types of loads.

Key features

- **Mobile vacuum lifter**
- **Easily attached to any forklift**
- **Quick start-up**
- **Stand-alone unit**
- **Integrated pump/battery**
- **Multiple tools for lifting** anything from boxes and bags to laminate boards
- **Lift up to 175 lbs** without physical effort



Thanks to the weight distribution of the Easy Reach tool, the operator can stand comfortably in the aisle while lifting a box from the back end of a pallet in the rack.

The load can be rotated 360 degrees before it is placed on the pallet, facilitating efficient utilization of the pallet space.



Support legs are automatically activated when the pump is started

Smart functions



Integrated light panel facilitates work in dark spaces.



Battery and vacuum pump are integrated in the unit, protected by a robust cover.

Quick and easy to use

- 1 **Attach the TAWI Mobile Order Picker** to any pallet jack or truck.
- 2 **Drive where you need to go.**
- 3 **Park the unit** and activate the pump with the push of a button. Support legs are automatically lowered.
- 4 **Start loading/unloading your goods.**



Technical specifications

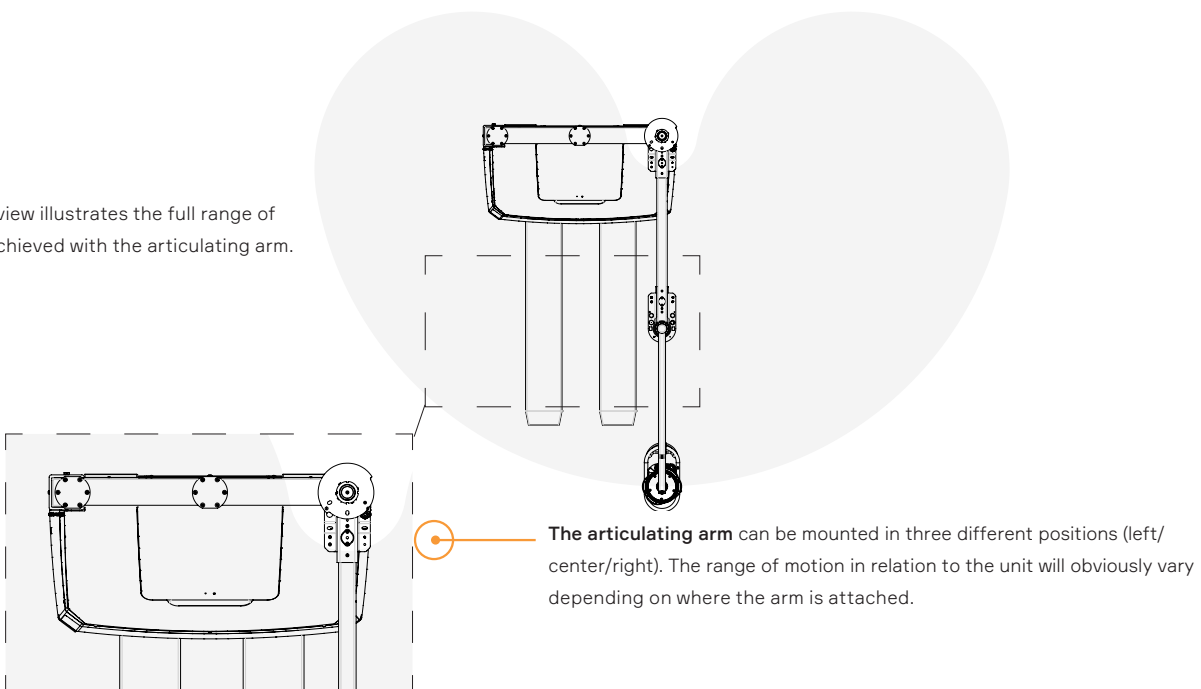
| Model | MOP VM40 | MOP VM50 | MOP VM60 | MOP VM80 |
|------------------------------|--|----------|----------|----------|
| Lifting capacity (kg/lbs)) | 40/90 | 50/110 | 60/130 | 80/175 |
| Max length lift tube (mm) | 1750 | 1750 | 1750 | 1700 |
| Lift tube ø (mm) | 120 | 140 | 160 | 180 |
| Stroke vacuum lifter (mm) | 1340 | 1320 | 1320 | 1290 |
| Stroke tower (mm) | 500 | 500 | 500 | 500 |
| Noise level, idle (dB) | 76 | 76 | 76 | 76 |
| Noise level, operation (dB) | 75 | 75 | 78 | 78 |
| Max lifting height* (mm) | 1940 | 1920 | 1900 | 1890 |
| with lowered tower (mm) | 1440 | 1420 | 1400 | 1390 |
| Battery charging procedure | Plug in electrical outlet (100-240V. For 100V use 3-phase charger. For 230V use single-phase charger. Grounded, 50-60Hz). Recommended 8 hours continuous charge. | | | |
| Battery pack replacement | Prolonged operational time is achieved by switching the battery pack. This procedure takes approx. 10 minutes. | | | |
| External power source | The unit can be connected to a 24V external power source. | | | |
| Up and down motions of tower | 52-58 mm/s | | | |
| Weight of unit | 630 kg | | | |

*From bottom of suction head (excl. suction foot)

Technical drawings

Drawings on the following pages provide an overview of the TAWI Mobile Order Picker in various perspectives. The table on the top right hand page lists dimensions for the unit equipped with different vacuum lifter models. All measures are in millimeters.

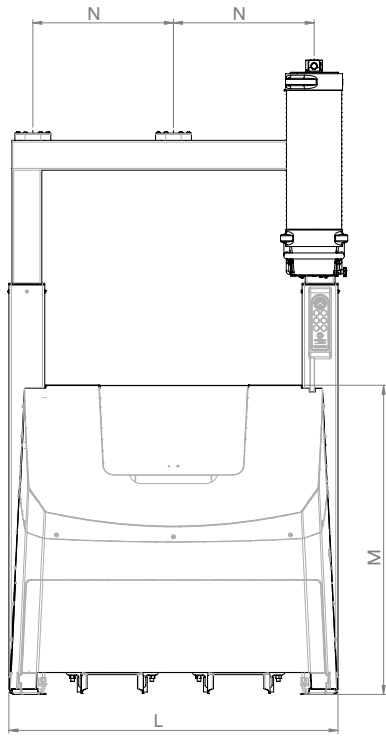
This top view illustrates the full range of motion achieved with the articulating arm.



The articulating arm can be mounted in three different positions (left/center/right). The range of motion in relation to the unit will obviously vary depending on where the arm is attached.

Handout

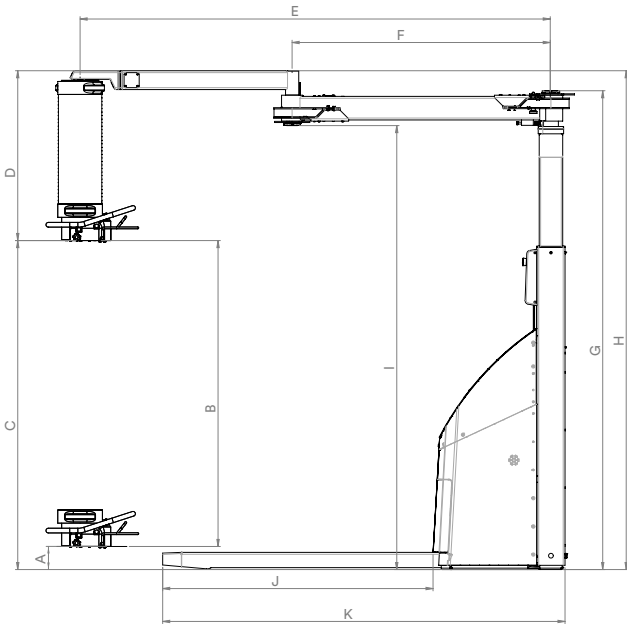
TAWI Mobile Order Picker



The above drawing shows the lifting unit from the front, indicating the distance between attachment points for the lift arm (N).

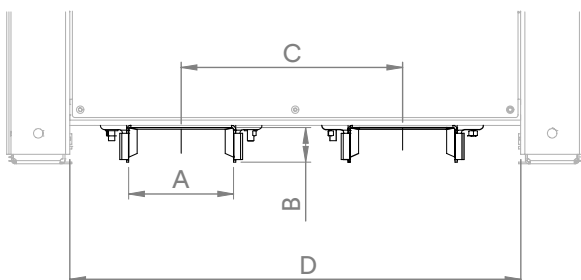
| | MOP VM40 | MOP VM50 | MOP VM60 | MOP VM80 |
|----|----------|----------|----------|----------|
| A* | 150 | 149 | 132 | 156 |
| B | 1340 | 1320 | 1320 | 1290 |
| C* | 1490 | 1469 | 1452 | 1446 |
| D | 592 | 613 | 630 | 637 |
| E | 2000 | 2000 | 2000 | 2000 |
| F | 1100 | 1100 | 1100 | 1100 |
| G* | 2000 | 2000 | 2000 | 2000 |
| H* | 2080 | 2080 | 2080 | 2080 |
| I* | 1850 | 1850 | 1850 | 1850 |
| J | 1150 | 1150 | 1150 | 1150 |
| K | 1710 | 1710 | 1710 | 1710 |
| L | 1100 | 1100 | 1100 | 1100 |
| M | 1130 | 1130 | 1130 | 1130 |
| N | 470 | 470 | 470 | 470 |

*+500mm when tower is in elevated position.



The left hand drawing shows the total height of the unit, the length of the articulating arm, the lifting height, and more.

Fork tunnels are adjustable to fit all types of fork lifts. See measures for both Euro- and US-forks in table and drawing below.



| | Euro | US |
|---|-----------|-----------|
| A | 200mm | 332mm |
| B | 65mm | 66mm |
| C | 315-535mm | 365-495mm |
| D | 860mm | 860mm |

Smart lifting

EUROPE

Denmark

Risskov
+45 86-17 22 66
eh.dk.mail@piab.com

France

Beauchamp
+33 (0)139-95 65 00
eh.fr.info@piab.com

Germany

Kaarst
+49 (0)211-20 54 27 – 40
eh.de.info@piab.com

Netherlands

Helmond
+31 492-52 37 05
eh.nl.info@piab.com

Spain

Barcelona
+34 933-20 59 84
eh.es.info@piab.com

Sweden

Täby (Piab Group HQ)
+46 (0)8-630 25 00
info-sweden@piab.com

Kungsbacka (TAWI HQ)
+46 (0)300-18 50 01
eh.info@piab.com

United Kingdom

Northampton
+44 (0)1604-59 11 20
eh.uk.sales@piab.com

Italy

Volterra (TO)
+39 (0)11 4143521
eh.it.info@piab.com

AMERICAS

Brazil

Sao Paulo
+55 (0)11-449 290 50
info-brasil@piab.com

Canada

Richmond Hill (ON)
+1 (0)905-881-1633
eh.ca.info@piab.com

USA

Bolingbrook (IL)
+1 630-655-2905
eh.us.info@piab.com

ASIA

China

Shanghai
+86 21 5237 6545
info-cn@piab.com

India

+91 8939151169
info-india@piab.com