

# THE AGILE VEHICLE

## SMALL AND AGILE, THE AGILOX ONE DRIVES THROUGH THE NARROWEST AISLES

### DIMENSIONS (L x W x H)

**1,510 MM** × **800 MM** × **1,870 MM**  
**60 IN** × **32 IN** × **74 IN**

### PERFORMANCE DATA

**550 MM**      **1,000 KG**      **1.4 M/S**  
**22 IN**        **2204 LBS**        max. speed  
max. lifting height      max. lifting weight



AGILOX ONE 1,200 mm / 47 IN with obstacle avoidance, single scissors and signal light package



### SPECIFICATIONS

**4 omnidirectional drives**  
Drive system

**Dual electric spindles**  
Lift system

**LiFePO4 with BMS**  
**3 min charging = 1 h running**  
Battery

**400 kg (880 lbs)**  
Unit weight

**< 12 hours (1 vehicle) / 15 minutes (each additional AMR)**  
Commissioning time

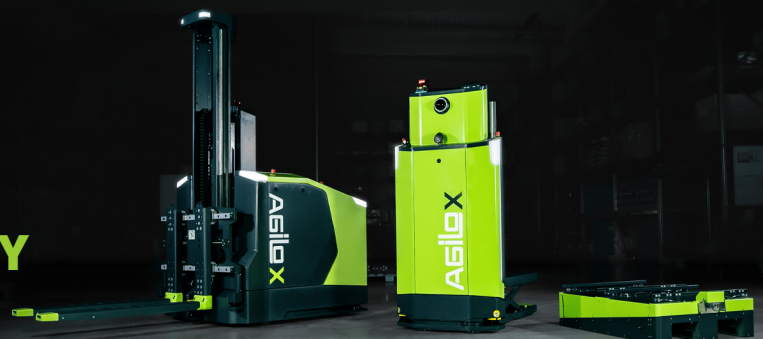
**CE, declaration of conformity**  
Certification

**203 mm / 8 IN width**  
**100 mm / 4 IN height**  
Fork dimensions

**575 mm / 23 IN**  
Overall fork width

MAXIMUM EFFICIENCY

**ALL PRODUCTS WITH THE PROVEN AGILOX X-SWARM TECHNOLOGY**



**ONE VARIATIONS**



**ONE Double Scissor Lift**

AGILOX ONE 1200 mm with a double scissor lifting system

1200 mm / 47 IN double scissor  
750 kg / 1653 lbs  
1060 mm / 41 IN lifting height



**ONE Narrowfork**

AGILOX ONE basic vehicle with only one fork

1200 mm / 47 IN single scissor  
500 kg / 1,653 lbs  
500 mm / 20 IN lifting height



**ONE 1400 / 1600 / 1800**

AGILOX ONE basic vehicle with lifting forks in three different lengths (1400 mm, 1600 mm, 1800 mm)

**V1400** 1400 mm / 55 IN single scissor 750 kg / 1653 lbs  
500 mm / 20 IN lifting height  
**V1600** 1600 mm / 63 IN single scissor 750 kg / 1653 lbs  
500 mm / 20 IN lifting height  
**V1800** 1800 mm / 71 IN single Scissor 750 kg / 1653 lbs  
500 mm / 20 IN lifting height

**ONE ADD-ONS**



**Obstacle Avoidance**

Additional 3D sensor system in the direction of travel to increase safety in man-machine mixing mode



**Signal Light Package**

Light signal to increase safety in man-machine mixing mode (color: blue / green / red), additional signal lights in the fork tips (color: white / yellow)



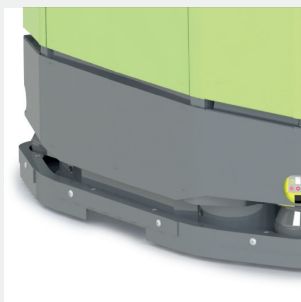
**Barcode Identification Unit**

Scanner for the detection of barcodes or QR codes



**ESD Protection**

Protection or discharge measure for operation in areas with ESD requirements to prevent electrostatic charging



**Debris Protection**

Dirt deflector in the front area of the vehicle, versions in rubber lip or brush



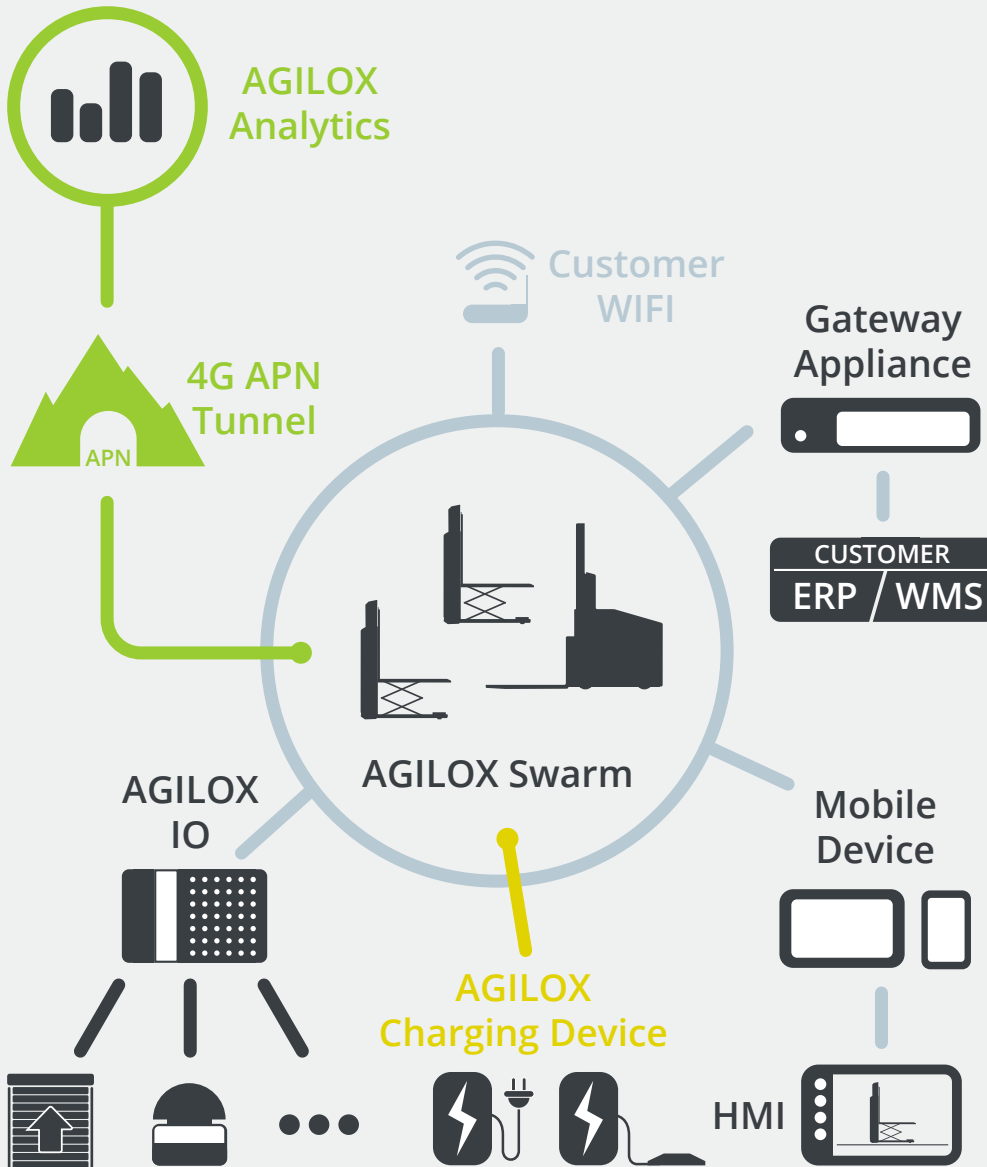
**Mobile Charging Device**

One mobile charger is recommended per AGILOX fleet (connection 230V / 16A)

**AGILOX**

**SYSTEM OVERVIEW**

The use of an AGILOX IGV is possible without adjustments and additions to the IT infrastructure. Thanks to swarm intelligence, neither a software nor a separate server for a master computer must be installed. AGILOX' plug and perform quality only requires customer provided WiFi and a 3-phase AC power connection. Open interfaces also allow the system to be flexibly and dynamically connected with the environment. Since navigation takes place without additional infrastructure, the system adapts to its changing environment almost automatically and adheres to the highest security standards.



**AGILOX Charging**

24/7 operations without changing the battery. 60 minutes of operation - 3 minutes to charge.

**Customer WIFI**

Customer-provided WiFi is required in order for vehicles to communicate with each other.

**Customer ERP / WMS**

Customer systems (e.g. ERP, WMS, MES, etc.) can be connected via the AGILOX JSON API.

**AGILOX Swarm**

Swarm Intelligence underpins the AGILOX fleet's navigation.

**Mobile Device**

The IGVs are controlled via mobile devices (e.g. smartphone, tablet, etc.) with browser access.

**AGILOX HMI**

The HMI is mapped in the web browser and is always available to interact with AGILOX vehicles.

**AGILOX IO Box**

The IO Box assists the customer in connecting their existing infrastructure (e.g. roller doors, fire alarm systems) with the AGILOX network.

**AGILOX Analytics**

Access to the most important KPIs and data anytime and anywhere.

AGILOX ONE

DRIVING SURFACE DESIGN

