AGILOX

FOR HEAVIER LOADS THE AUTONOMOUS COUNTERBALANCED FORKLIFT OCF IS A REAL POWER MONSTER

DIMENSIONS (L x W x H)

2,784 MM × **1,200 MM** × **2,566 MM**
109.6 IN   **47.3 IN**   **101 IN**

AGILOX OCF with fork 1,200 mm / 47.3 IN and obstacle avoidance

PERFORMANCE DATA

1,600 MM	**1,450 MM**	**1,500 KG**	**1.4 M/S**
63 IN	**57.1 IN**	**3,306 LBS**	**4.6 FT/S**
max. lifting height	max. station height *Reference: Euro pallet	max. lifting weight	max. speed

SPECIFICATIONS

3 omnidirectional drives	**Electric**	**LiFePO4 with BMS 3 min charging = 1 h running**	**3,600 kg / 7,940 lbs**
Drive system	Lift system	Battery	Unit weight
< 12 hours (1 vehicle) / 15 minutes (each additional AMR)	**CE, declaration of conformity**	**125 mm / 4.9 IN width 70 mm / 2.8 IN height**	**450 mm / 19.7 IN min. 950 mm / 37.4 IN max.**
Commissioning time	Certification	Fork dimensions	Overall fork width

MAXIMUM EFFICIENCY

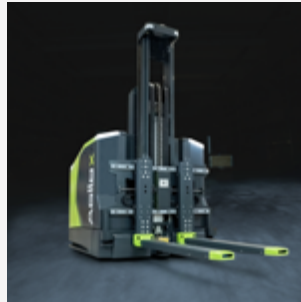# ALL PRODUCTS WITH THE PROVEN AGILOX X-SWARM TECHNOLOGY

OCF VARIATIONS
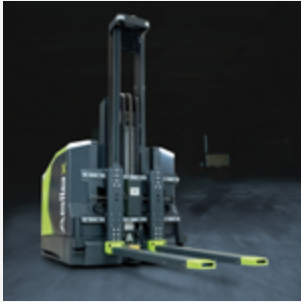
OCF 1400

AGILOX OCF base vehicle with lifting forks in length variation 1,400 mm

Fork length 1,400 mm
max. lifting weight 1,500 kg
max. lifting height 1,600 mm
max. station height 1,450 mm

OCF LC

AGILOX OCF base vehicle with reduced lifting mast height and max. lifting height of 1,200 mm

Fork length 1,200 mm
max. lifting weight 1,500 kg
max. lifting height 1,200 mm
max. station height 1,050 mm

OCF ADD-ONS

Barcode Reader

Scanner for the detection of barcodes or QR codes

Mobile Charging Device

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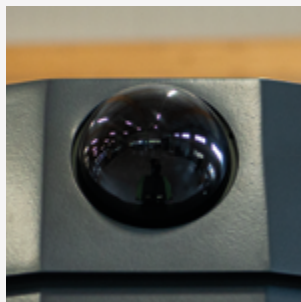

OCF Lifting Aids

Standard Stationary Charging Station

Stationary charging station for the AGILOX OCF (connection 400V / 16A)

Quick Stationary Charging Station

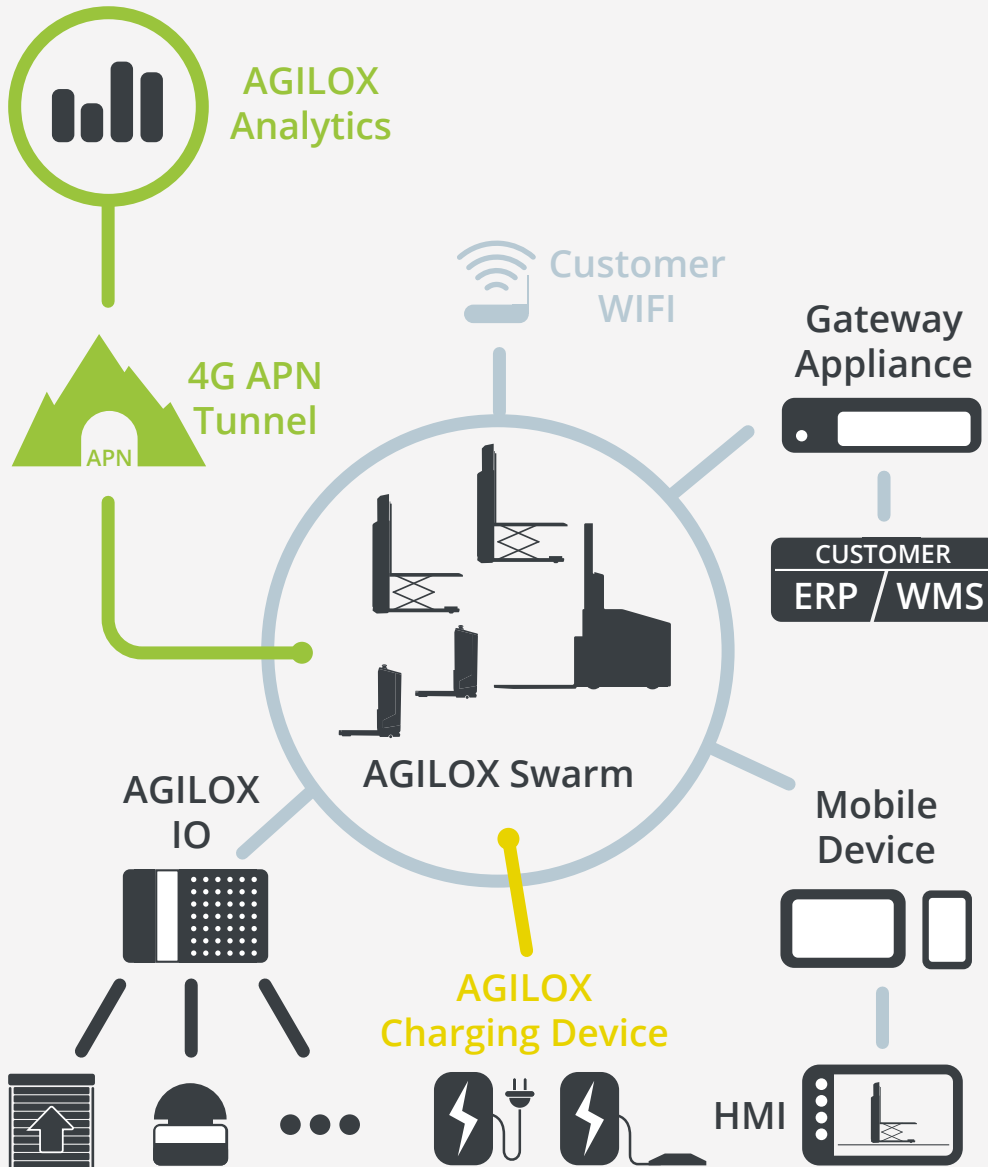Stationary fast charging station for the AGILOX OCF (connection 400V / 32A)

Obstacle Avoidance

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

AGILOX
SYSTEM OVERVIEW

The use of an AGILOX AMR 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 Analytics

4G APN Tunnel

APN

Customer WIFI

Gateway Appliance

CUSTOMER
ERP / WMS

AGILOX Swarm

AGILOX IO

AGILOX Charging Device

Mobile Device

HMI

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 AMRs 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

AGILOX OCF

DRIVING PATH DESIGN

Load Carrier	A	B	C	D	E	F	G	H	I	J
Pallet 1200 x 1200 MM 47.2 x 47.2 IN	1700 MM 66.9 IN	1900 MM 74.8 IN	3200 MM 126 IN	5000 MM 196.9 IN	2700 MM 106.3 IN	3500 MM 137.8 IN	3800 MM 149.6 IN	100 MM 4 IN	200 MM 7.9 IN	100 MM 4 IN

Minimal passage width — A

Minimal aisle width — B

Minimal aisle width for driving in parallel — C

Block storage

Aisle width V-Max — E

Aisle width for on-coming traffic with V-Max — D

Single stations

Turning circle — F

Minimal aisle width for oncoming traffic — G

* DISTANCE LOAD-DEPENDENT