

A photograph of the AGILOX ONE autonomous mobile robot (AMR) in a warehouse setting. The robot is a compact, vertical unit with a black and lime green color scheme. It is carrying a wooden pallet on its scissor lift mechanism. The background shows a typical industrial warehouse with high ceilings, yellow overhead cranes, and various equipment.

AGILOX

AGILOX ONE

THE ALLROUNDER



MORE DETAILS

Designed to revolutionize the logistics industry.

The AGILOX ONE is an AI-powered, compact AMR designed for efficient floor-to-floor transport processes. Its omnidirectional driving system enables smooth pallet handling in narrow aisles, while various available fork lengths allow flexible adaptation to specific operational requirements. As a versatile all-round system, the AGILOX ONE supports customers in achieving safe, stable, and highly adaptive material flow management.

FEATURES & USP



Industry's smallest footprint
- fits even the narrowest
stations



Different fork lengths
enable transport of high
variety of load carriers



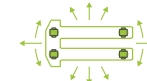
AI-powered
X-SWARM Technology



Consistent movement in the
supply chain because of
intelligent opportunity charging



Highest Safety Standards
with 360° Safety Field



Minimal space requirements
because of omnidirectional
movement

AGILOX ONE (SINGLE SCISSOR)

MAX. PAYLOAD

1,000 kg
2,204 lbs

MAX. LIFT HEIGHT

620 mm
24.4 in

MAX. STATION HEIGHT

500 mm
19.7 in

TURNING CIRCLE

2,100 mm
82.7 in

MAX. SPEED

1.4 m/s
4.6 ft/s

agilox.net

CERTIFICATIONS

- CE certified
- Certified to ISO 3691-4
- Certified to UL 3100

DIMENSIONS



* Data for 1,200 mm forks

FORK DIMENSIONS

Entry height	100 mm 4 in
Fork height	95 mm 3.7 in
Fork width	205 mm 8.1 in
Overall fork width	577 mm 22.7 in

USE CASES AND LOAD CARRIERS

- Focused on floor-to-floor transportation
- Conveyor feeding of U-/E-Shape conveyors
- VNA (very narrow aisle) applications with 1,800 mm (70.9 in) aisle width
- Tote picking applications (AGILOX Box Carrier)
- Certified for clean room applications (Class 6)



EUR 1
(Euro pallet)



EUR 6
(Euro half pallet)



EUR 3
(Industrial pallet)



Adapter pallet
for dollies



Customer specific
load carriers



Order picker cart

AGILOX ONE VARIATIONS

Fork length	Payload	Max. lift height	Max. station height
1,200 mm 47.2 in	750 kg 1,653 lbs	1,110 mm 43.7 in	1,000 mm 39.4 in
1,200 mm 47.2 in	1000 kg 2,204 lbs	620 mm 24.4 in	500 mm 19.7 in
1,400 mm 55.1 in	750 kg 1,653 lbs	620 mm 24.4 in	500 mm 19.7 in
1,600 mm 63 in	750 kg 1,653 lbs	620 mm 24.4 in	500 mm 19.7 in
1,800 mm 70.9 in	750 kg 1,653 lbs	620 mm 24.4 in	500 mm 19.7 in

AGILOX ONE VARIATIONS – NFK (NARROW FORK)

1,200 mm 47.2 in	1,000 kg 2,204 lbs	620 mm 24.4 in	500 mm 19.7 in
1,400 mm 55.1 in	750 kg 1,653 lbs	620 mm 24.4 in	500 mm 19.7 in

AVAILABLE OPTIONS



Obstacle Avoidance



Barcode Reader



Floor Spot



Fork Tip Lights



ESD Protection Basic



Rubber Guards



BCO + BCO Connector



Stainless Steel Forks



Design Package

ADDITIONAL ITEMS





Stationary Charging Device

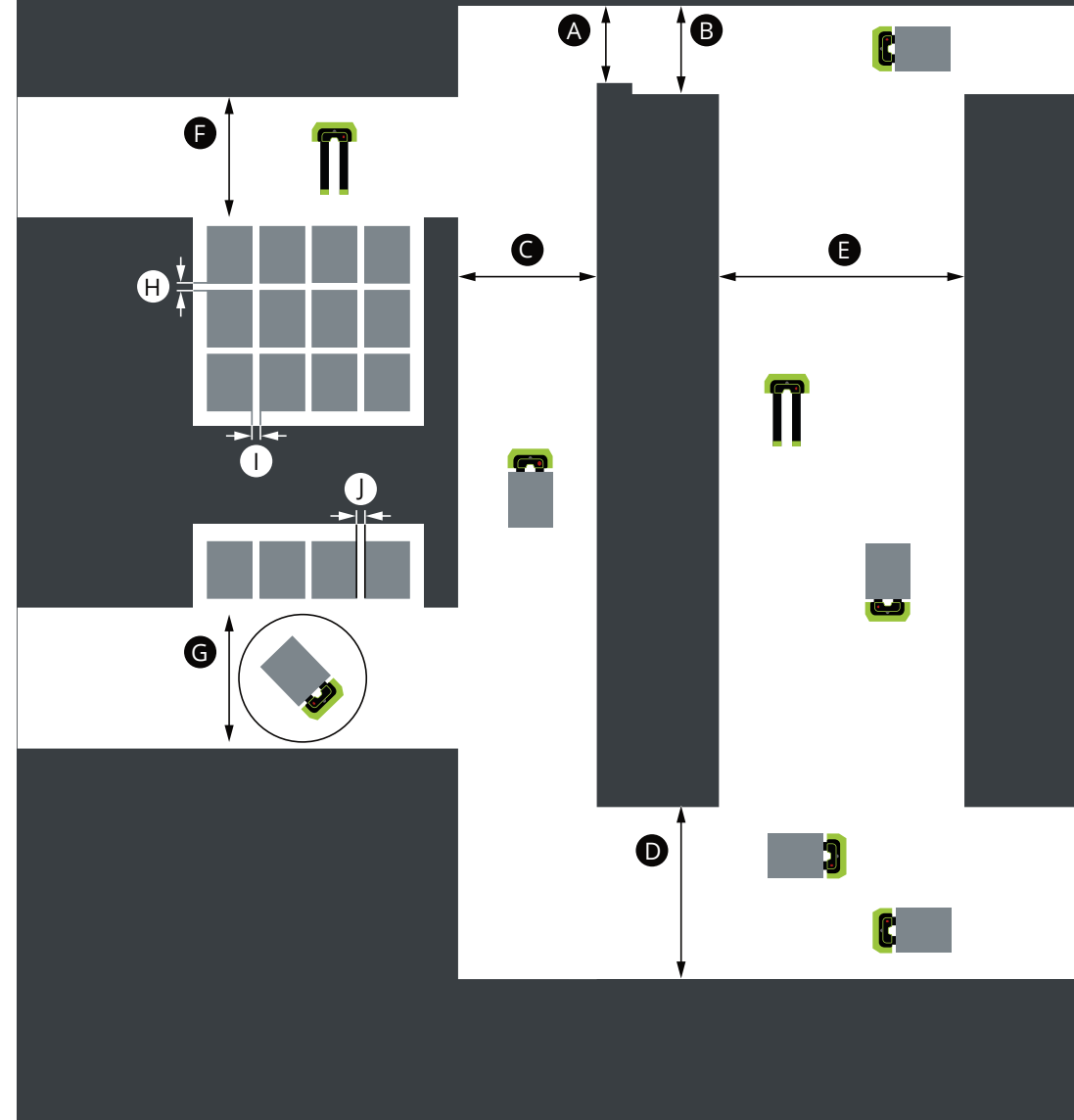


Mobile Charging Device

AGILOX ONE

DIMENSIONS (L X W X H)		1,511 x 810 x 1,862 mm 59 x 32 x 73 in	1,511 x 810 x 1,862 mm 59 x 32 x 73 in
LOAD CARRIER		Euro Pallet 800 mm x 1,200 31.5 x 47.2 in	Industrial Pallet 1,000 x 1,200 mm 40 x 48 in
MIN. PASSAGE WIDTH	A	1,400 mm 55.1 in	1,600 mm 62.9 in
MIN. AISLE WIDTH	B	1,600 mm 62.9 in	1,800 mm 70.9 in
IDEAL AISLE WIDTH	C	2,000 mm 78.7 in	2,200 mm 86.6 in
MIN. AISLE WIDTH (TWO-WAYS)	D	2,600 mm 102.4 in	3,000 mm 118.1 in
IDEAL AISLE WIDTH (TWO-WAYS)	E	2,900 mm 114.2 in	3,300 mm 130 in
MIN. AISLE WIDTH (PARALLEL)	F	1,800 mm 70.9 in	1,800 mm 70.9 in
TURNING CIRCLE	G	2,100 mm 82.7 in	2,200 mm 86.6 in
BLOCK STORAGE GAP	H	50 mm 2 in	50 mm 2 in
BLOCK STORAGE GAP	I	200 mm 7.9 in	200 mm 7.9 in
SINGLE STATIONS	J	100 mm 4 in	100 mm 4 in

SPACE REQUIREMENTS



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