

movexx
driven by brain power



Movexx **AGV2500**
PARTS & OPTIONS
2020 v2



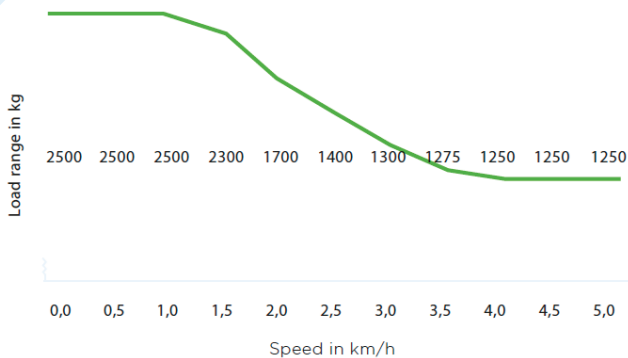
Specifications

Technical details

Version	Uni-directional AGV
Application	Pulling of trolleys
Max. pulling force	3200 N
Trolley weight	Maximal 2500 kg (5 511.5 lbs)
Speed	Stepless to 4,7 km/h (2.9 mph)
Corner speed	Maximal 1,0 km/h (0.6 mph)
Corner radius	Minimal r=1000 mm (39.4 in)
Navigation	Optical with RFID-tags
Drive	600 W, 24 VDC, 100 rpm
Traction wheels	Full rubber Ø 250 x 80 mm (9.8 x 3.1 in)
Brake	Electric
Parking	brake Electromagnetic
Energy supply	Exchangeable battery pack
Back-Up supply	B-U batt. 24 V 1,2 Ah
Frame	Steel powder coated
Weight	300 kg (661.4 lbs) with battery
Noise level	68,5 dB
To use from	0° C / 40° C (32° / 104° F)

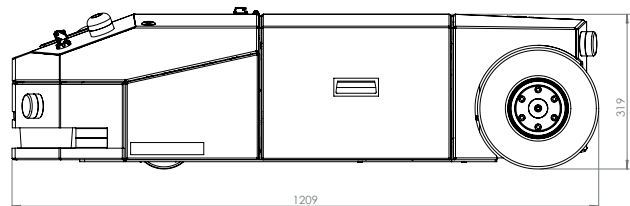
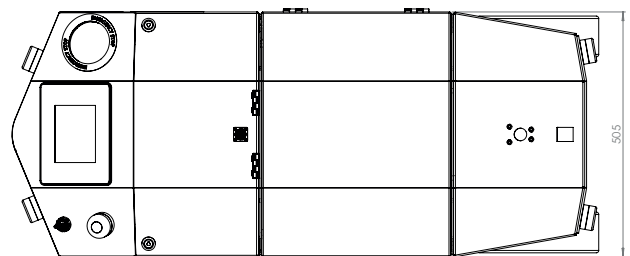
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Pulling power (in kg)



Measured with a trolley with 2 swivel wheels and 2 fixed castors. Wheel Ø 160 mm.

Dimensions



Standard parts



Motor 600W / 100rpm
(6911413X) with brake
Item number M2098



Charger
Lithium battery 25,6V/20A
Item number M3650



Battery Lithium
25,6V / 120Ah (LiFePO4)
Item number M2911



Drive wheel, full rubber
Black Ø 250 x 80mm
Item number M0248



Wheel 125x40 electrical
conductive GRAY
Item number M2975



Light vision module
Two white LED's on the
front; two red LED's on
the back
Item no. OPTAGV0009

Standard parts



Cable remote with
emergency stop
*Forward, backward, left
right and emergency stop*

Item number OPT0104



Safety scanner
RSL420-S/CU416-5
*with 10 individual switch-
able field pairs. Maximal
range 3m at 220°*

Item number M0978



7" colour display +
RFID & route module
*for programming options
for RDIF-tags & routing*

Item no. OPTAGV0001



Flashlight+console compl.
*Console start/stop.
Flashlight: orange, green,
red and blue*

Item no. OPTAGV0014

Options



UPGRADE:
(only with new machines)
Drive wheel full rubber,
non-marking
Gray 2x Ø 250 x 80mm
Item no. OPTAGV0010

Options



Blue safety spot
Item number M0961



Sound & speech module
Item no. OPTAGV0019



Wifi module
for wireless LAN
Item no. OPTAGV0013



Preparation electric hook
Item number OPT0143



Ignition key 701 (equal)
Item no. OPTAGV0011

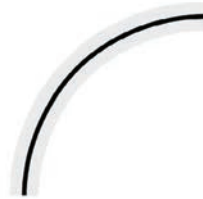


AGV track straight
b=160mm l=25m PVC
Item no. M2731-0019

Options



AGV Track corner 45°
b=160mm r=1m PVC
Item no. M2731-0020



AGV Track corner 90°
b=160mm r=1m PVC
Item no. M2731-0021



Sticker for credit card TAG
*Special sticker for sticking,
protecting & covering TAG's*
Item no. M0974-0001



RFID TAG 86x54mm
0.8mm (creditcard)
*Radio Frequency ID tag
to control AGV*
Item no. M0974

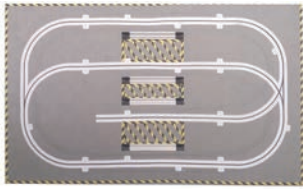


RFID tag, papercard
self-adhesive (80x50mm)
Radio Frequency ID
Item no. M2803



RFID tag, Ø 20 x 2,8 mm
Radio Frequency ID
Item no. M0988

Options



Demo floor, gray (6,5x3 m)
Plastic tile floor with
slow/fast RFID-tags
Item no. OPTAGV0000



GS-Fleetcontrol AGV
Traffic Management,
Manage & controls
max. 99 AGV vehicles
Item no. OPTAGV0020



GS-Fleetcontrol
ERP interface, Data inter-
face between traffic server
software & customer ERP
Item no. OPTAGV0021

Batteries and Chargers



Battery Lithium
25,6V / 120Ah (LiFePO4)
Item number M2911



Charger
Lithium battery 25,6V/20A
Item number M3650

Batteries and Chargers



Charging station roll-on/
off Lithium charger, incl.
Lithium 40A charger
25,6V-120Ah
Item no. OPTAGV0028

Adapters



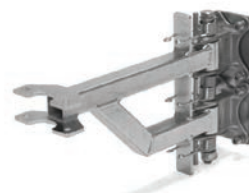
Base part hook 90°
Item number H7030



Base part hook 90°
(double spring)
Item number H7040



Base part HD hook 90°
(lowered)
Item number H7070



Base part HD hook 90°
(raised)
Item number H7080

Adapters



Base part hook 90°
(manual controle)
Item number H7090



Hitch ball Ø 50mm
(incl. adapter)
Item number H0068



Hook for LKE platform-wagon (type X)
Item number H0076



Hook K-Hartwall dolly
(DOS1617/1636, 90°)
Item number H0083

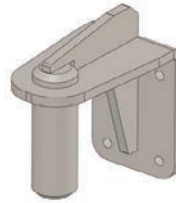


Electric disconnecting module for hook (AGV)
Stroke: 100 mm, for automatic undocking of the trolley
Item no. OPTAGV0003



Pen for drawbar Ø16
Item number H0064

Adapters



Pen for drawbar Ø35
Item number H0144



Towbar for Movexx e-frame
(suitable for OPT0067)
Item number H0070



Pen for drawbar Ø15
Item number H0071



Pen for drawbar Ø10
Item number H0072



Folding hook Ø16
Item number H0128-D16



Folding hook Ø20
Item number H0128-D20

Adapters



Folding hook Ø25
Item number H0128-D25



Folding hook Ø27
Item number H0128-D27



Folding hook Ø32
Item number H0128-D32



Folding hook Ø35
Item number H0128-D35



Hook (quick connection)
AGV semi-automatic
Item number H5123



Hook load recognition
module AGV
Item no. OPTAGV0007

Most common spareparts



Battery Lithium
25,6V / 120Ah (LiFePO4)
Item number M2911



Charger
Lithium battery 25,6V/20A
Item number M3650



Torsion spring for hook
Item number M0116-SP



Safety scanner cleaning set
Item number M0978-6



Italsea drive controller
in 24V / 36 bat,
in 35A / Imax 90A
Item number M1124-SP



Carbon brushes (set of 4)
for Motor 600W
Item number M1037

Most common spareparts



Fuse 5A
Item number M0506



Fuse Maxi 80A
Item number M0191



Drive wheel, full rubber
Black Ø 250 x 80 mm
Item number M0248

Most common spareparts



Drive wheel
full rubber, non-marking
Gray Ø 250 x 80 mm
Item number M0115



Wheel 125x40 electrical
conductive GRAY
Item number M2975

applications



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