

movexx
driven by brain power



Movexx **AGV2500**
PARTS & OPTIONS

Aug. **2019**



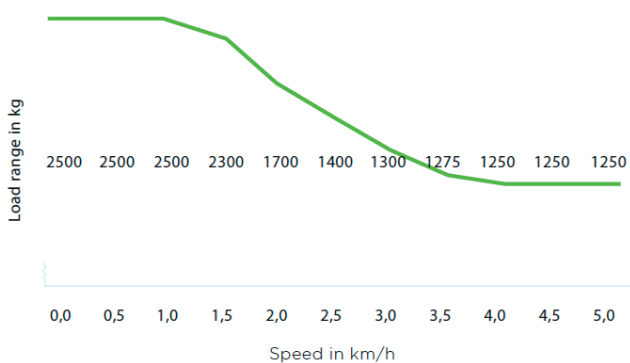
Specifications

Technical details

Version	Uni-directional AGV
Application	Pulling of trolleys
Trolley weight	Maximal 2500 kg
Speed	Stepless to 4,7 km/h
Corner speed	Maximal 1,0 km/h
Corner radius	Minimal r=1000 mm
Navigation	Optical with RFID-tags
Traction	600 W, 24 VDC, 100 rpm
Traction wheels	Full rubber Ø250x80 mm
Brake	Electric
Parking	brake Electromagnetic
Energy supply	Exchangeable batterypack
Back-Up supply	B-U batt. 24 V 1,2 Ah
Frame	Steel powder coated
Weight	300 kg with battery
Noise level	68,5 dB
To use from	0 °C / 55 °C
Protection class	IP22

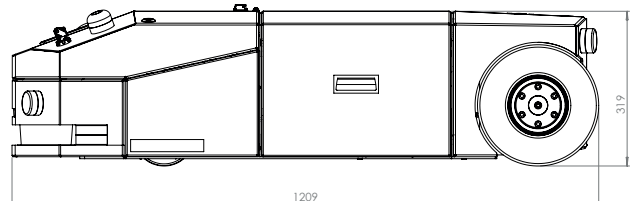
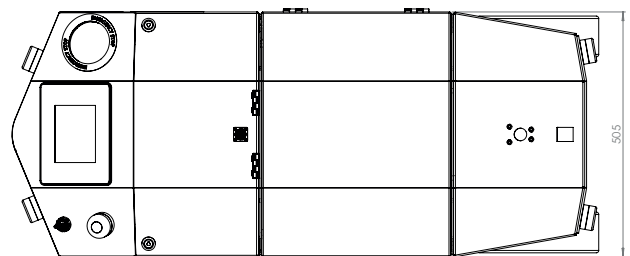
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Pulling power (in kg)



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 GREY
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

Options



UPGRADE: drive wheel
full rubber, non-marking
Gray 2x Ø 250 x 80mm

Item no. OPTAGV0010



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

Item no. OPTAGV0014

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=1 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

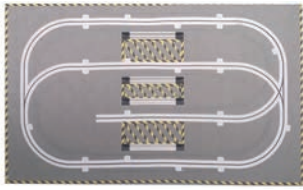


RFID tag, papercard
self-adhesive (80x50mm)
Radio Frequency ID
Item no. M2803



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



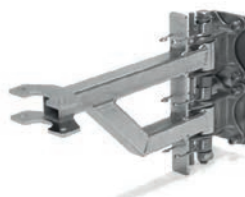
Base part hook 90°
Item number H7030



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

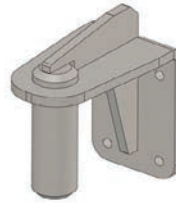


Electric disconnecting
module for hook (AGV)
*Stroke: 100 mm, for auto-
matic undocking of the
trolley*
Item no. OPTAGV0003



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



Tube for spring
Item number M0116-1



Safety scanner cleaning set
Item number M0978-6



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

Most common spareparts



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



Fuse 5A
Item number M0506



Fuse Maxi 80A
Item number M0191

Most common spareparts



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

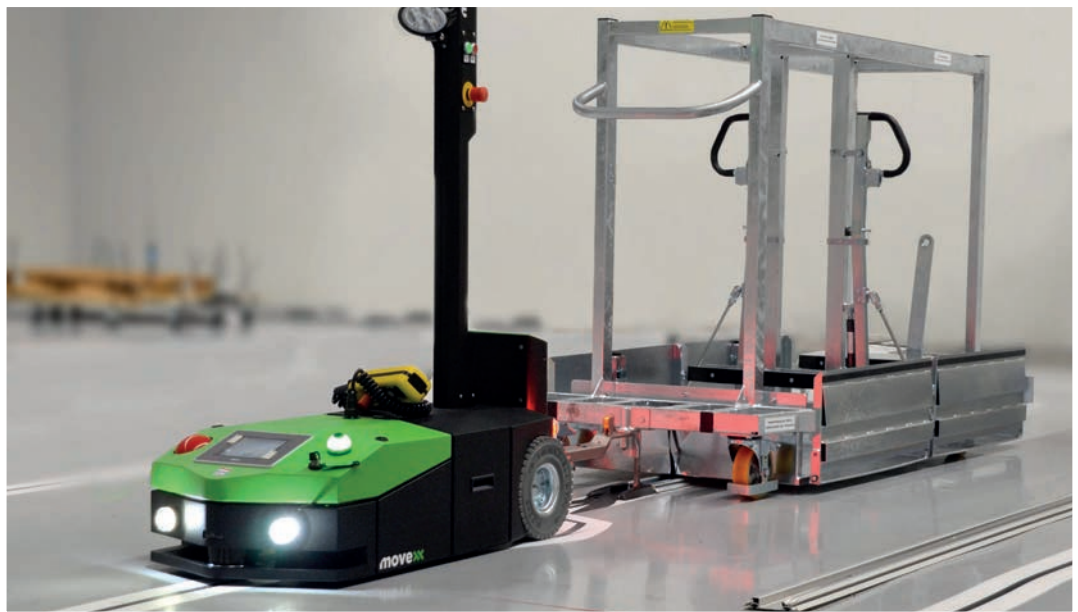


Drive wheel
full rubber, non-marking
Gray Ø 250 x 80 mm
Item number M0115



Wheel 125x40 electrical
conductive GREY
Item number M2975

applications



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