

movexx

driven by brain power



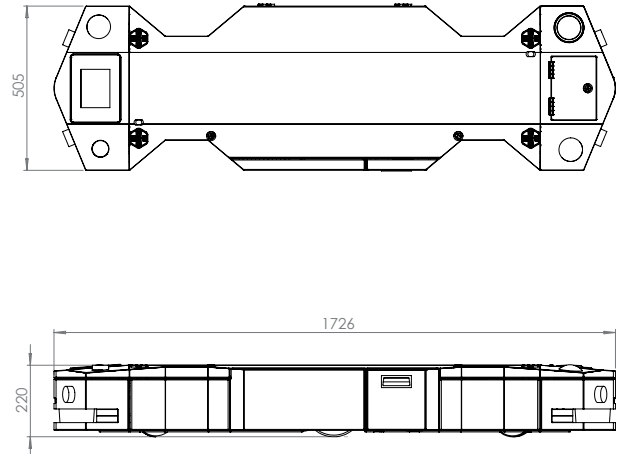
DATASHEET
Movexx AGV1000-UR
2018



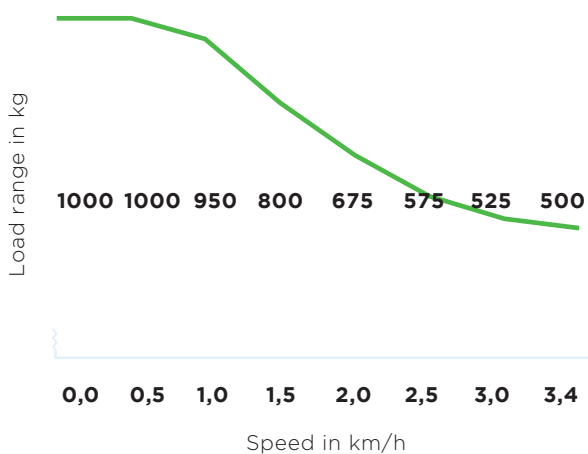
Specifications AGV1000-UR

Version	Bi-directional AGV
Application	Palletcart UnderRider
Trolley weight	Maximal 1000 kg
Underride height	Minimal 235 mm
Speed	Stepless to 3,4 km/h
Corner speed	Maximal 1,0 km/h
Corner radius	Minimal r=1000 mm
Navigation	Optical with RFID-tags
Traction	300 W, 24 VDC, 100 rpm
Traction wheels	Full rubber Ø180x80 mm
Brake	Electric
Parking brake	Electromagnetic
Energy supply	Lithium Batt. 24V 36Ah
Back-Up supply	B-U batt. 24 V, 1,2 Ah
Frame construc.	Steel powder coated
Natural weight	140 kg with battery
Length	1726 mm
Width	505 mm
Height	220 mm
Noise level	67,1 dB
Usage temp.	0°C - 50°C
Protection class	IP44

Dimensions AGV1000-UR

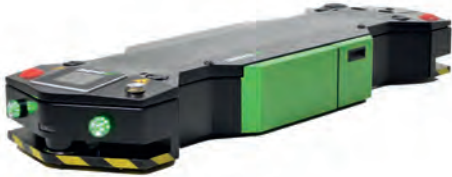


Pulling power AGV1000-UR (in kg)



**Measured with a trolley with 2 swivelwheels and 2 fixed castors.
Wheel diameter: 160mm*

Standard AGV1000-UR



Standard parts AGV1000-UR



Battery Lithium-LiFePO4,
36Ah GREEN

Item number:
OPT0106



Driving Wheel full rubber
Ø180

*Diameter 180mm, width 80mm,
maximal weight 300kg*

Item number:
M1075



Safety Scanner RSL420-S/
CU416-10

*Safety scanner with 10 indi-
vidual switchable field pairs.
Maximal range 3m, 220°*

Item number:
M0978



Lightvision module AGV
with LED's

*Two white daylight LED's on
the front, two red daylight
LED's on the back*

Item number:
OPTAGV0009

Standard parts AGV1000-UR

Motor 300W 100RPM with
brake



Item number:
M1033

Charger 25,6V 10A LITHI-
UM



Item number:
M0384

7" colour display + RFID &
route module



*Full colour control high reso-
lution display with program-
ming options for RFID-tags en
routing*

Item number:
OPTAGV0001

Remote 6-kanaals AGV



Item number:
OPT0338

Options AGV1000-UR



Battery Lithium-LiFePO4,
36Ah GREEN

Article number:
OPT0106



Wi-Fi module for wireless
LAN

Article number:
OPTAGV0013



AGV Control Software
TransportControl LT

*Single license for AGV coordi-
nating & control software for
maximal 10 AGV's*

Article number:
OPTAGV0018



Sound & speech Module
AGV

*Akustical communication with
the environment*

Article number:
OPTAGV0019



TransportControl Traffic
Server Software

*Manage & controls maximal 99
AGV vehicles*

Article number:
OPTAGV0020



TransportControl Client
Vehicle Licence

*Needed for every controlled
AGV*

Article number:
OPTAGV0021



Charging Station for 1
Lithium battery

*Wallmounting chargerstation
with lithium battery charger
29,2 V, 10 A*

Article number:
OPT0023



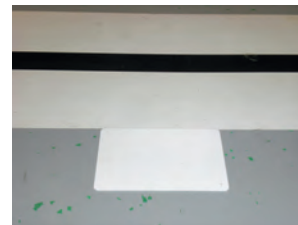
Charging station for 5
Lithium batteries

Article number:
OPT0029



Upgrade to charging
station

Article number:
OPT0261



RFID TAG 86x54mm
0.8mm (creditcard)

*Radio Frequency IDentification
tag to control AGV's (speed
changing, stop etc.)*

Article number:
M0974



Sticker for credit card TAG

*Special sticker for sticking,
protecting & covering TAG's*

Article number:
M0974-0001



RFID TAG Ø20 x 2,8mm
plastic (disk)

*Radio Frequency IDentification
tag to control AGV's (speed
changing, stop etc.)*

Article number:
M0988

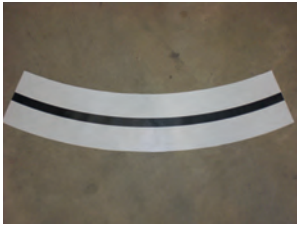
Options AGV1000-UR



Sticker AGV track straight
w=160mm l=3m

*To control speed RFID-tags
along the track are needed*

Article number:
M2731-0010



Sticker AGV track curve
45° w=160mm r=1m

Maximum corner speed 1 km/h

Article number:
M2731-0011



Sticker AGV track curve
90° b=160mm r=1m

Maximum corner speed 1 km/h

Article number:
M2731-0012



Sticker AGV track switch
left 45° l=1m

*For driving the intersection
RFID-tags are needed. Maxi-
mum intersection speed is 1
km/h*

Article number:
M2731-0013



Sticker AGV track switch
right 45° l=1m

*For driving the intersection
RFID-tags are needed. Maxi-
mum intersection speed is 1
km/h*

Article number:
M2731-0014



Sticker AGV Parallel doc-
king Right

Article number:
M2731-0015



Sticker AGV parallel doc-
king Left

Article number:
M2731-0016



RFID TAG 80x50mm pa-
percard self-adhesive

*Radio Frequency IDentification
tag to control AGV's (speed
changing, stop etc.)*

Article number:
M2803



Demo floor grey AGV
6.5x3,0m

*Plastic tile floor, easy to install,
with slow/fast RFID-tags*

Article number:
OPTAGV0000



Positioning rail 2,35m
palletcart

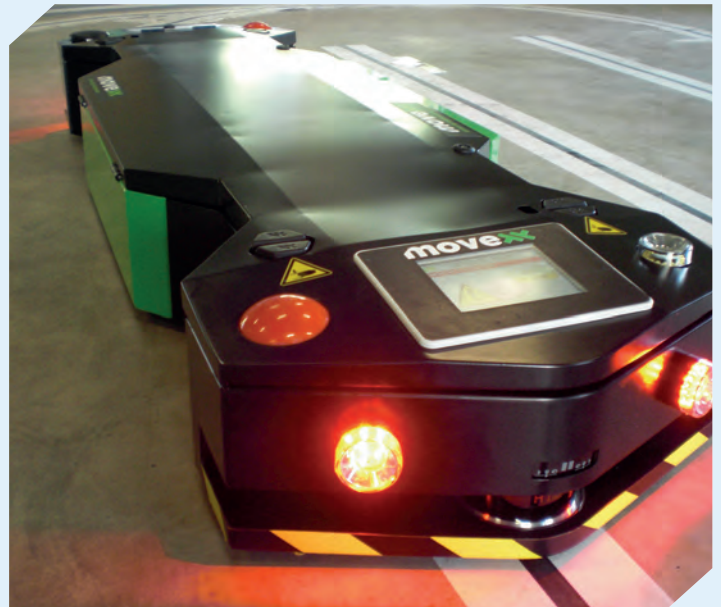
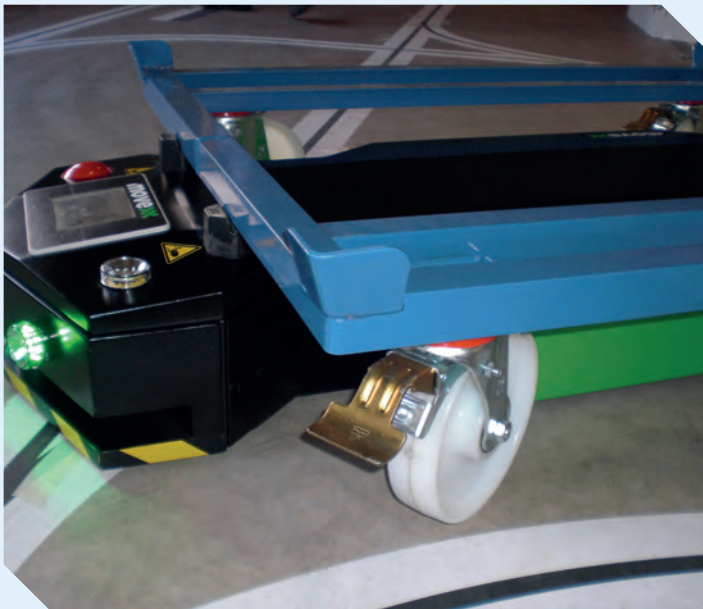
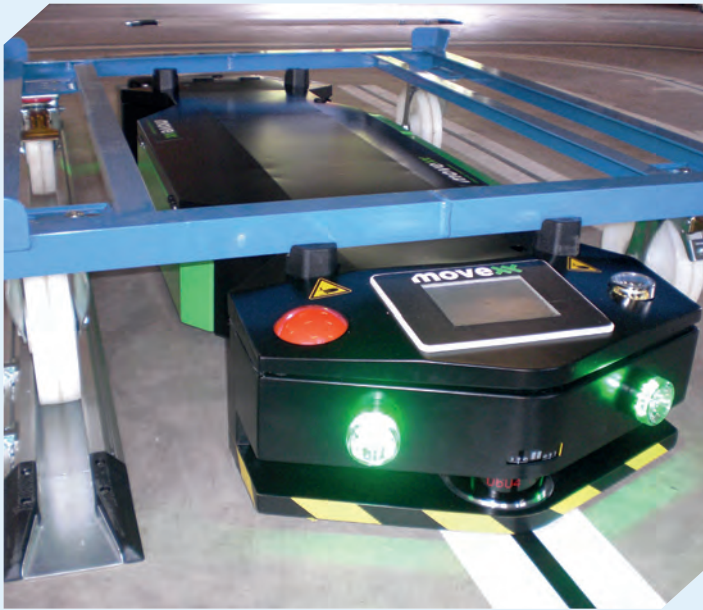
*To exact positioning the pallet-
cart over the AGV track, wheel
width 50mm*

Article number:
OPTAGV0015



Movexx Parking label

Article number:
OPT0245



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