



AGV

●●● VOYAGER 200

Powerful automation, seamless intralogistics

Voyager 200 is an AGV designed to automate and optimize the transport of heavy loads and pallets in industrial environments. With a **payload capacity of up to 2000 kg**, it ensures safe and efficient material handling with high operational reliability. Thanks to its advanced safety systems, Voyager 200 can operate safely even in **busy and shared environments**, ensuring smooth and optimized intralogistics flows.



VOYAGER 200

Type	Autonomous Guided Vehicle (AGV)
Use	Transport for indoor logistic
Color	Black RAL 9005 / Orange RAL 2004

MECHANICAL CHARACTERISTICS

Length (mm)	1300
Width (mm)	950
Height (mm)	490
Weight (kg)	622
Ground clearance (mm)	40
Load surface (mm)	1060 × 950

PAYLOAD

Payload (kg)	2000
--------------	------

NAVIGATION GUIDANCE

Positioning precision (mm)	±20 (with optimal environment fixed references)
Angular precision (°)	±2
Maximum speed (m/s)	1.2
Maximum obstacle height (mm)	25
Minimum corridor width according to ISO 3691-4 (mm)	1700
Minimum width according to ISO 3691-4 (rotation in place) (mm)	1250

BATTERY & RECHARGE

Battery type	LiNMC
Rated Voltage (VDC)	44,4
Capacity (Ah)	100
Available energy (kWh)	4,440 (100 Ah @ 44,4V)
Fast Recharge capacity	1 C (100 A)
Standard Recharge capacity	0,5 C (50 A)
BMS (Battery management system)	CAN OPEN communication enables charging only if communication with Battery charger is active
Cycle life	≥2000 at 80% Depth Of Discharge
Charger connection type	Contacts plate
Charger power (kW)	6 (48V 120A rated)
Charger connection	400Vac (Customizable for different market)
Recharge time (min)	< 60 (10% - 90%)
Autonomy	8h (continuous movement @ full load)

ENVIRONMENT

Ambient temperature (°C)	-5 ÷ 45 (Rated performance @ 25°C)
Humidity	10–95% without condensation
Type of environment	Indoor

SAFETY

Laser Scanner	2 safety laser scanner SICK Microscan3
Safety area covered	360° up to 9m distance - 64 different programmable safety areas
STO	Safety Torque Off integrated on traction wheels drives
Emergency buttons	Double emergency button

CONNECTIVITY

Fieldbus	ProfiNet / CAN open fieldbus
WiFi connection	IEEE 802.11 a/b/g/h/n, 2.4 / 5 GHz all country certified

CONFORMITY

Industrial vehicles standard	EN 3691-4, EN IEC 62046
------------------------------	-------------------------

