MODEL SERIES AMR ROBOMELKUS

The flexible pallet AMR for intralogistics.

AMR ROBOMELKUS	
Dimensions	
Length	1664 mm
Width	604 mm
Height	827 mm without mast Signal, standard height 2235 mm
Lifting height	240 mm
Fork height	90 mm
Fork length	1300 mm
Weight	222 kg
Payload	
Load capacity	1200 kg
Move	
Maximum speed	1,5 m/s
Move	Omni-directional
Optional Accessories	
Accessories	Load-securing bracket, 3D camera-based collision detection, 2D barcode scanner
Safety	
Safety devices	Safety laser scanner
Power	
Battery	LiFePO4 / 24V / 33 Ah
Charger	Charging station 24 V / 20 A
Navigation	
Type of navigation	SLAM Lidar 360° (+/- 10 mm)
Environment	
IP class	IP 20
Ambient temperature range	10-45 °C
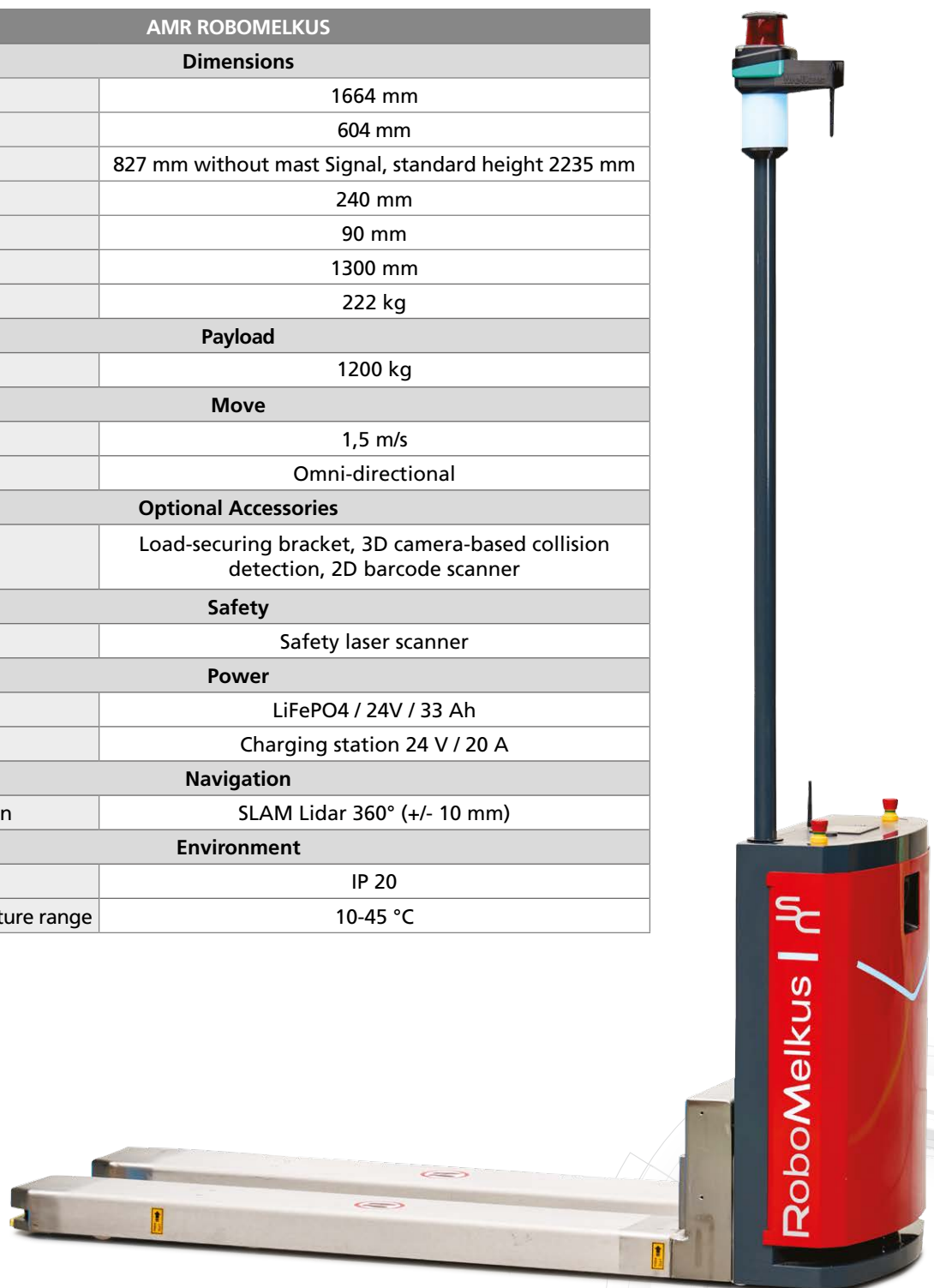
RoboMelkus

FLEXIBLE

- Clever "Multi-Differential Steering" enables use in the tightest space
- Free range of motion in all directions
- SLAM navigation
- Operation and diagnostics also with smart devices
- Easy integration into existing systems

EFFICIENT

- Reduced path via transverse drive capability
- LiFePo4 high-performance power-packs allow 4-hr operation with full charge
- Short battery charging times
- Energy efficiency via low net weight

FEATURES

- 4.3" Touch panel
- LED status display in hood and laser mast
- Safety light with arrow projection
- Laser-supported pallet recognition

APPLICATION AREAS

- Point-to-Point transport
- Transport tasks in limited space conditions
- Material and workpiece transport within the production
- Storage logistics and commissioning tasks

INTELLIGENT

- High personnel safety via scanner
- Compact automation solution from SIGMATEK
- WLAN communication with the guidance system
- Gentle material transport and low floor wear via smart drive technology
- Flexible task creation

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