

AGV K07



1. CHARACTERISTICS

- Designed to carry loads on board and capable of rotating 360° on its own axis.
- Able to follow cyclic fixed or conditional routes and interact with other AGV's, machines and people.
- The incorporated safety system allows it to share spaces and routes with people and other vehicles (Directive 2006/42/CE).
- Able to be controlled and monitored by Kivnon Fleet Manager
- AGV able to connect to upper-level maintenance controls and process systems.
- No AGV specialist required for implementation and start-up.
- Easy diagnosis. Touchscreen informs about alerts or alarms, battery status and AGV destination.
- Able of recharging its batteries with opportunity charges.
- Able to work 24/7 with opportunity charges.




2. INSTALLATION REQUIREMENTS

- Install only in indoors or covered outside areas¹.
- The floor must be in good conditions² and free from slippery substances.

¹ For covered outside areas that may be influenced by weather conditions, consult your supplier.

² For further information about floor characteristics, refer to the document "Floor requirements for AGV".

3. TECHNICAL DATA

	K07-SQ600	K07-SQ1000	K07-SQ1500
K07 TWISTER			
Mobility	Rotational		
Maximum payload (On board)	600 kg (1322.77 lbs)	1000 kg (2204.62 lbs)	1500 kg (3306.93 lbs)
Dimensions [L x W x H]	950 x 650 x 250 mm (37.40 x 25.59 x 9.84 in)	1150 x 820 x 255 mm (45.27 x 32.28 x 10.04 in)	
Weight	127 kg (279.99 lbs)	190 kg (418.88 lbs)	
Lifting Platform size [L x W x H]	850 x 600 mm (33.46 x 23.62 in)	1030 x 770 mm (40.55 x 30.32 in)	
Lifting Height	60 mm (2.36 in)		
Speed	No load: 2.5 m/s (8.20 ft/s)	No load: 2.3 m/s (7.54 ft/s)	No load: 2.1 m/s (6.88 ft/s)
Gradeability	Full load: 3% No load: 5%		
Navigation system	QR Code / LSLAM / VSLAM ³		
Positioning Accuracy	± 10 mm, ±1°		
Operating time	8 h		
Charging time	≤ 1.5 h.		
Battery charging	Opportunity charging and on-board charging connector		
Safety systems	1 x Safety PLC 1 x Safety scanner 2 x Emergency stop buttons		
Display	Touchscreen ≈ 10,9 cm (4.3 in)		
Communication	WiFi 2,4 / 5 GHz communication (802.11 a/b/g/h/n)		
Optional equipment	Rear protection Side protection Remote power on/off 3D Obstacle avoidance camera		

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³ QR Code and LSLAM (mapping) can be combined. VSLAM is an extra feature and uses optional 3D camera to navigate.