

AGV K60



1. CHARACTERISTICS

- Designed to transport and stack loads
- 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
- 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

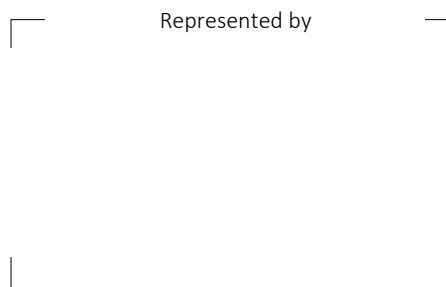
- Install only indoors or covered outside areas¹.
- The floor must be in good conditions² and free from slippery substances.

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

	K60-S1516	K60-S1530	K60-S2030
K60 FORKLIFT			
Mobility	Bidirectional, in-Place Rotation		
Load transport system	Hydraulic elevation and fixed forks		
Maximum payload	1500 kg (3306.93 lbs)		2000 kg (4409.24 lbs)
Lifting height	1600 mm (62.99 in)	3000 mm (118.11 in)	
Dimensions [L x W x H]	1595 x 1012 x 1920 mm (62.79 x 39.84 x 75.59 in)	1595 x 1012 x 2315 mm (62.79 x 39.84 x 91.14 in)	1991 x 993 x 2336 mm (78.38 x 39.09 x 91.96 in)
Weight	980 kg (2160.53 lbs)	1010 kg (2226.66 lbs)	1098 kg (2420.67 lbs)
Fork size [L x W x H]	60 x 175 x 1150 mm (2.36 x 6.88 x 45.27 in)		75 x 200 x 1230 mm (2.95 x 7.87 x 48.42 in)
Min Fork Ground Clearance	85 mm (3.34 in)		89 mm (3.50 in)
Min turning radius	1175 mm (46.25 in)		1464 mm (57.63 in)
Operating Speed	1.2 m/s (39.37 ft/s)		
Gradeability	Full load: 3% No load: 5%		
Navigation system	LSLAM + VSLAM ³		
Positioning Accuracy	± 10 mm, ±1°		
Fork Lifting speed	Full load: 100 mm/s (3.93 in/s) No load: 135 mm/s (5.31 in/s)		Full load: 110 mm/s (4.33 in/s) No load: 140 mm/s (5.51 in/s)
Fork Lowering speed	Full load: 130 mm/s (5.11 in/s) No load: 100 mm/s (3.93 in/s)		Full load: 160 mm/s (6.29 ft/s) No load: 120 mm/s (4.72 ft/s)
Charging time	≤ 3 h.		
Batteries	48 V / 67 Ah		48 V / 81 Ah
Battery charging	Opportunity charging and on-board charging connector		
Charging time	≤ 3 h.		
Safety systems	1 x Safety PLC, 360° Safety scanner protection, 2 x Emergency stop buttons Collision Bar on the vehicle body, Pallet contact detection, Fork tip collision detectors		
Display	Touchscreen ≈ 25,4 cm (10 in)		
Communication	WiFi 2,4 / 5 GHz communication (802.11 a/b/g/h/n)		
Optional equipment	Dash cam		



³ VSLAM used for obstacle avoidance and pallet tracking.