

RI RILOG Narrow Aisle Forklift AMR

3 model variants - Payload: 1,200 kg - Navigation: Laser SLAM

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robotindustries.com/shop/ri-rilog-narrow-aisle-forklift-3088


RILOG1200200
Floor Level
 Lifting height: 200 mm

RILOG1202300
Mid Height
 Lifting height: 2,300 mm

RILOG1204500
High Bay
 Lifting height: 4,500 mm

DIMENSIONS & MANOEUVRABILITY

Footprint (L x W)	1,400 x 1,100 mm	1,500 x 1,500 mm	1,500 x 1,500 mm
Turning radius	800 mm	1,015 mm	1,015 mm
Aisle width	1,700 mm	1,700 mm	1,700 mm

PERFORMANCE - identical across all variants

Payload	1,200 kg	1,200 kg	1,200 kg
Travel speed (unloaded)	1.2 m/s	1.2 m/s	1.2 m/s
Travel speed (loaded)	1.0 m/s	1.0 m/s	1.0 m/s
Fork lifting speed	12 m/min	12 m/min	12 m/min
Fork extension speed	18 m/min	18 m/min	18 m/min
Positioning accuracy	+/-10 mm	+/-10 mm	+/-10 mm
Stopping accuracy	+/-10 mm	+/-10 mm	+/-10 mm
Angle accuracy	+/-1 deg	+/-1 deg	+/-1 deg

COMMON SPECIFICATIONS - ALL VARIANTS

Navigation Laser SLAM QR Code optional	Drive type Dual-wheel Differential Bidirectional	Communication WiFi / 4G / 5G Optical optional	Battery LiFePO4 48V 100Ah 1,500 full cycles
Charging Auto / Manual / Swap	Operating time 8 hours Full charge: 2 hours	Temperature 0 - 45 C Noise: < 70 dB	Terrain Slope < 3% Gap <6 mm - Step <3 mm

SAFETY SYSTEMS

LiDAR obstacle avoidance	Front & rear safety edges	Sound & light alarm	4x E-stop (2 chassis + 2 mast)	Mechanical button interaction	Multi-colour indicator lights
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