

1,500 kg

RATED LOAD

3,000 mm

LIFTING HEIGHT

1.5 m/s

OPERATING SPEED

2D / 3D SLAM

NAVIGATION

24V / 230Ah

BATTERY

2 h

CHARGING TIME

GENERAL SPECIFICATIONS

Vehicle Dimensions (LxWxH)	2490 / 1090 / 2105 mm
Rated Load	1,500 kg
Lifting Height	3,000 ±5 mm
Vehicle Weight	2,700 ±5% kg
Navigation Method	2D / 3D Laser SLAM
Drive Mode	Diff. + Steering Wheel
Pallet Type	Open / Closed / Rack
Driving Mode	Automatic / Manual

GEOMETRY & MOBILITY

Fork Dimensions (LxWxT)	1100 x 110 x 40 mm
Right-Angle Stacking Aisle	3,179 mm
Min. Turning Radius	1,301 mm
Turning Diameter (Unloaded)	2,602 mm
Climbing Ability	5%
Obstacle Climbing Ability	10 mm
Passage Clearance	30 mm
Op. Space (Single/Double)	1,590 / 3,180 mm

ACCURACY & SPEED

Nav. Position Accuracy	±10 mm
Angle Accuracy	±1°
Operating Speed	1.5 m/s
Floor Flatness Req.	±3 mm

BATTERY & POWER

Battery Capacity	24V / 230Ah
Battery Life	1,500 cycles
Standby Time	24 h
Unloaded Operating Time	10 – 12 h
Loaded Operating Time	6 – 8 h
Charging Time	2 h
Charging Method	Manual / Automatic

HMI & CONNECTIVITY

Communication	2.4G / 5.8G Dual-Band WiFi
HMI Display	10" Industrial Touch Screen
Manual Op. Panel	Android Tablet (Optional)
Humidity Range	10% – 90% RH

SAFETY & SENSORS

No. of LIDAR Sensors	3
Safety Touch Strip	✓
Emergency Stop Button	✓
Voice Alarm	✓
Three-Color Light	✓
Obstacle Avoidance LIDAR	✓
3D Overhead Obstacle Avoidance	✓
Object Detection Function	✓
RFID Identification	Optional
Pallet Position Detection	✓
Fork Collision Detection	None
Fork Light Barrier	✓
Fork Single-Line LIDAR	None

RILOG15003000C_IN

Counterbalance Forklift — Indoor

 1,500 kg Rated Load | 3,000 mm Lift
 2D / 3D Laser SLAM Navigation
 Differential + Steering Wheel Drive
 24V / 230Ah | 2h Charge | 1,500 cycles

STANDARD OPERATING TEMPERATURE 15°C Safety Features

PALLET COMPATIBILITY

Open Pallet	✓ Supported
Closed Pallet	✓ Supported
Rack	✓ Supported
RFID Identification	Optional
Pallet Ref. Size	1200 x 1000 mm

OPERATING ENVIRONMENT

Environment	Indoor
Humidity Range	10% – 90% RH
Floor Flatness Req.	±3 mm
Passage Clearance (min)	30 mm
Obstacle Max Height	10 mm

COMMUNICATION & INTERFACE

WiFi	2.4G / 5.8G Dual-Band
Main HMI	10" Industrial Touch Screen
Remote Panel	Android Tablet (Optional)