

Latent Lifting and Rotating Series

Product Parameters

	Product Rendering			
	Product Model	BR-D05	BR-D10	BR-D15
	Product Name	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot
Basic Parameters	Vehicle Dimensions (Length × Width × Height) (mm)	950*650*250	980*680*250	1080*720*250
	Rated Load (kg)	500	1000	1500
	Lifting Height (mm)	60±5	60±5	60±5
	Vehicle Weight (kg)	160±5%	180±5%	200±5%
	Navigation Method	Laser SLAM / QR Code	Laser SLAM / QR Code	Laser SLAM / QR Code
	Drive Mode	Differential	Differential	Differential
	Movement Type	Forward + Reverse + In-place Rotation	Forward + Reverse + In-place Rotation	Forward + Reverse + In-place Rotation
	Turning Diameter (Unloaded) (mm)	1151	1192	1298
Performance Parameters	Climbing Ability (%)	5	5	5
	Obstacle Crossing Ability (mm)	5	5	5
	Clearance (mm)	30	30	30
	Minimum Passage Width (mm)	1050	1080	1120
	Operating Space (Unloaded, Single/Double Channel) (mm)	1150/2050	1180/2110	1220/2190
	Navigation Position Accuracy (mm) / Docking Accuracy (mm)	±10/±2	±10/±2	±10/±2
	Angle Accuracy (°)	±1	±1	±1
	Operating Speed (m/s)	1.5	1.5	1.5
Battery Performance	Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate
	Battery Capacity	48/25	48/30	48/40
	Battery Life	1500 recycle	1500 recycle	1500 recycle
	Standby Time (h)	24	24	24
	Unloaded Operation Time (h)	8~10	8~10	8~10
	Loaded Operation Time (h)	6~8	6~8	6~8
	Charging Time (h)	2	2	2
	Charging Method	Manual / Automatic Charging	Manual / Automatic Charging	Manual / Automatic Charging
Protection Configuration	Number of LiDARs	2/3	2/3	2/3
	Safety Edge	√	√	√
	Emergency Stop Button	√	√	√
	Voice Alarm	√	√	√
	Three-color Light	√	√	√
	Obstacle Avoidance LiDAR Sensor	√	√	√
	Rack Leg Recognition (Excluding QR Code Navigation)	√	√	√
	3D Suspended Obstacle Detection	Optional	Optional	Optional
Others	Object Detection Function	Optional	Optional	Optional
	Communication Method	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi
	Manual Control Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Ground Flatness (mm/m²)	±3	±3	±3
Environmental Temperature and Humidity Range		10%~90%	10%~90%	10%~90%

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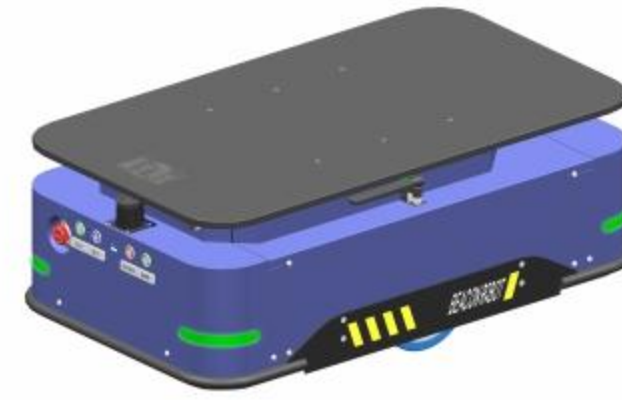
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Product Parameters

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	Product Rendering						
	Product Model	BR-D02-S	BR-D05-S	BR-D10-S	BR-D15-S	BR-M30-S	BR-M50-S
	Product Name	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot	Latent Lifting and Rotating Robot
Basic Parameters	Vehicle Dimensions (Length × Width × Height) (mm)	880*510*306	880*580*306	950*600*306	1500*900*400	2200*1200*500	2600*1500*600
	Rated Load (kg)	200	500	1000	1500	3000	5000
	Lifting Height (mm)	60±5	60±5	60±5	60±5	70±5	70±5
	Vehicle Weight (kg)	140±5%	180±5%	200±5%	450±5%	980±5%	1300±5%
	Navigation Method	Laser SLAM / QR Code	Laser SLAM / QR Code	Laser SLAM / QR Code	Laser SLAM / QR Code	Laser SLAM / QR Code	Laser SLAM / QR Code
	Drive Mode	Differential	Differential	Differential	Differential	Dual Steering Wheel	Dual Steering Wheel
	Movement Type	Forward + Reverse + In-place Rotation	Forward + Reverse + In-place Rotation	Forward + Reverse + In-place Rotation	Forward + Reverse + In-place Rotation	Forward + Reverse + In-place Rotation + Lateral	Forward + Reverse + In-place Rotation + Lateral
	Turning Diameter (Unloaded) (mm)	954	987	1058	1684	2372	2937
Performance Parameters	Climbing Ability (%)	5	5	5	5	10	10
	Obstacle Crossing Ability (mm)		5	5	5	10	10
	Clearance (mm)	30	30	30	30	50	50
	Minimum Passage Width (mm)	910	980	1000	1300	1600	1900
	Operating Space (Unloaded, Single/Double Channel) (mm)	1010/1770	1080/1910	1100/1950	1400/2550	1700/3150	2000/3750
	Navigation Position Accuracy (mm) / Docking Accuracy (mm)	±10/±2	±10/±2	±10/±2	±10/±2	±10/±5	±10/±5
	Angle Accuracy (°)	±1	±1	±1	±1	±1	±1
	Operating Speed (m/s)	1.5	1.5	1.5	1.5	1	1
Battery Performance	Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate
	Battery Capacity	48/25	48/30	48/40	48/50	48/70	48/100
	Battery Life	1500 recycle	1500 recycle	1500 recycle	1500 recycle	1500 recycle	1500 recycle
	Standby Time (h)	24	24	24	24	24	24
	Unloaded Operation Time (h)	8~10	8~10	8~10	8~10	8~10	8~10
	Loaded Operation Time (h)	6~8	6~8	6~8	6~8	6~8	6~8
	Charging Time (h)	2	2	2	2	2	2
	Charging Method	Manual / Automatic Charging	Manual / Automatic Charging	Manual / Automatic Charging	Manual / Automatic Charging	Manual / Automatic Charging	Manual / Automatic Charging
Protection Configuration	Number of LiDARs	2/3	2/3	2/3	2/3	2/3	2/3
	Safety Edge	√	√	√	√	√	√
	Emergency Stop Button	√	√	√	√	√	√
	Voice Alarm	√	√	√	√	√	√
	Three-color Light	√	√	√	√	√	√
	Obstacle Avoidance LiDAR Sensor	√	√	√	√	√	√
	Rack Leg Recognition (Excluding QR Code Navigation)	√	√	√	√	√	√
	3D Suspended Obstacle Detection	Optional	Optional	Optional	Optional	Optional	Optional
Others	Object Detection Function	Optional	Optional	Optional	Optional	Optional	Optional
	Communication Method	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi	2.4G/5.8G Dual-band WiFi
	Manual Control Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Ground Flatness (mm/m²)	±3	±3	±3	±3	±3	±3
	Environmental Temperature and Humidity Range	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%

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Product Parameters

Latent Lifting and Rotating Series

	Product Rendering					
	Product Model	BR-D005R	BR-D03R	BR-D05R	BR-D15R	BR-M25R-S
	Product Name	Roller-Type AMR	Roller-Type AMR	Roller-Type AMR	Roller-Type AMR	Roller-Type AMR
Basic Parameters	Vehicle Dimensions (Length × Width × Height) (mm)	950*650*(300~1000)	950*650*(300~1000)	950*650*(300~1000)	1700*1200*(300~1000)	2500*1500*(300~1000)
	Rated Load (kg)	50	300	500	1500	2500
	Vehicle Weight (kg)	230±5%	310±5%	400±5%	780±5%	1100±5%
	Navigation Method	Laser SLAM/QR Code	Laser SLAM/QR Code	Laser SLAM/QR Code	Laser SLAM/QR Code	Laser SLAM/QR Code
	Drive Mode	Differential	Differential	Differential	Differential	Dual Steering Wheels
	Movement Mode	Forward + Backward + Rotation	Forward + Backward + Rotation	Forward + Backward + Rotation	Forward + Backward + Rotation	Forward + Backward + Rotation + Side
	Turning Diameter (Unloaded) (mm)	1151	1151	1151	2081	2915
Performance Parameters	Climbing Ability (%)	5	5	5	5	10
	Obstacle Crossing Ability (mm)	5	5	5	5	10
	Clearance (mm)	30	30	30	30	50
	Minimum Passage Width (mm)	1050	1050	1050	1600	1900
	Operating Space (Unloaded, Single/Double Channel) (mm)	1150/2050	1150/2050	1150/2050	1700/3650	2000/4250
	Navigation Position Accuracy (mm) / Docking Accuracy	±10/±2	±10/±2	±10/±2	±10/±2	±10/±5
	Angle Accuracy (°)	±1	±1	±1	±1	±1
Battery Performance	Operating Speed (m/s)	1.5	1.5	1.5	1.5	1
	Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate
	Battery Capacity	48V15Ah	48V30Ah	48V52Ah	48V70Ah	48V100Ah
	Battery Life	1500 recycle	1500 recycle	1500 recycle	1500 recycle	1500 recycle
	Standby Time (h)	24	24	24	24	24
	Unloaded Operation Time (h)	8~10	8~10	8~10	8~10	8~10
	Loaded Operation Time (h)	6~8	6~8	6~8	6~8	6~8
Protection Configuration	Charging Time (h)	2	2	2	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging
	Number of LiDARs	2/3	2/3	2/3	2/3	2/3
	Safety Edge	√	√	√	√	√
	Emergency Stop Button	√	√	√	√	√
	Voice Alarm	√	√	√	√	√
	Three-color Light	√	√	√	√	√
Others	Obstacle Avoidance LiDAR Sensor	√	√	√	√	√
	Rack Leg Recognition (Excluding QR Code Navigation)	Optional	Optional	Optional	Optional	Optional
	3D Suspended Obstacle Detection	Optional	Optional	Optional	Optional	Optional
	Object Detection Function	Optional	Optional	Optional	Optional	Optional
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Manual Control Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Ground Flatness (mm/m²)	±3	±3	±3	±3	±3
	Environmental Temperature and Humidity Range	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%

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Product Parameters

Latent Lifting and Rotating Series

	Product Rendering		
	Product Model	BR-D005B	BR-D01B
	Product Name	Belt Conveyor AMR	Belt Conveyor AMR
Basic Parameters	Vehicle Dimensions (L×W×H) (mm)	950 × 650 × (310~1000)	950 × 650 × (310~1000)
	Rated Load (kg)	50	100
	Vehicle Weight (kg)	220 ±5%	260 ±5%
	Navigation Method	Laser SLAM/QR Code	Laser SLAM/QR Code
	Drive Mode	Differential	Differential
	Movement Mode	Forward + Backward + Rotation	Forward + Backward + Rotation
	Rotation Diameter (No Load) (mm)	1151	1151
Performance Parameters	Climbing Ability (%)	5	5
	Obstacle Passing Ability (mm)	5	5
	Passage Clearance (mm)	30	30
	Minimum Passage Width (mm)	1050	1050
	Operating Space (No Load, Single/Double Channel) (mm)	1150/2050	1150/2050
	Navigation Position Accuracy (mm) / Docking Accuracy (mm)	±10/±2	±10/±2
	Angular Accuracy (°)	±1	±1
Battery Performance	Operating Speed (m/s)	1.5	1.5
	Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate
	Battery Capacity	48V15Ah	48V30Ah
	Battery Life	1500 recycle	1500 recycle
	Standby Time (h)	24	24
	No Load Operating Time (h)	8~10	8~10
	Full Load Operating Time (h)	6~8	6~8
Protection Configuration	Charging Time (h)	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging
	Lidar Quantity	2/3	2/3
	Safety Touch Edges	√	√
	Emergency Stop Button	√	√
	Voice Alarm	√	√
	Three-Color Light	√	√
	Obstacle Avoidance Lidar Sensor	√	√
	Rack Leg Recognition (Excluding QR Code Navigation)	Optional	Optional
	3D Suspended Obstacle Detection	Optional	Optional
Others	Object Detection Function	Optional	Optional
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Manual Control Panel	Android Tablet (Optional)	Android Tablet (Optional)
	Surface Flatness (mm/m²)	±3	±3
Environmental Temperature and Humidity Range		10%~90%	10%~90%

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Product Parameters

New Generation AMR - Intelligent Unmanned Forklift Series

	Product Rendering					
	Product Model	BR-F15P-ZL	BR-F20P-MM	BR-F30P-MM	BR-F40P-MM	BR-F30P-LD
	Product Name	Automated Forklift	Automated Forklift	Automated Forklift	Automated Forklift	Automated Forklift
Basic Parameters	Dimensions (L×W×H) (mm)	1640/935/1955	1685/1015/1910	2060/1105/1935	2060/1105/1935	1988 × 987 × 2035
	Rated Load (kg)	1500	2000	3000	4000	3000
	Lifting Height (mm)	95 ±5	110 ±5	195 ±5	200 ±5	125
	Vehicle Weight (kg)	350 ±5%	650 ±5%	850 ±5%	950 ±5%	770
	Navigation Method	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	3D Laser SLAM Navigation
	Drive Mode	Single Wheel	Single Wheel	Single Wheel	Single Wheel	Single Steering Wheel
	Pallet Type	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet
	Driving Mode	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual
	Fork Dimensions (L×W×H) (mm)	1130 × 170 × 55	1165 × 175 × 56	1150 × 175 × 75	1150 × 175 × 75	1150 × 165 × 60
	Right-Angle Stacking Channel Width, Pallet 1200x1000 (1200 Along Fork) (mm)	2514	2371	2322	2322	2780
	Right-Angle Stacking Channel Width, Pallet 1200x800 (1200 Along Fork) (mm)	2422	2312	2256	2256	2690
	Turning Diameter (No Load) (mm)	3000	3350	2400	2400	3640
Performance Parameters	Climbing Ability (%)	5	5	5	5	10%
	Obstacle Passing Ability (mm)	10	10	10	10	10
	Passage Clearance (mm)	30	30	30	30	30
	Minimum Passage Width (mm)	1335	1415	1510	1510	1387
	Operating Space (No Load, Single/Double Channel) (mm)	1435/2620	1515/2780	1615/2960	1615/2960	1387 / 2774
	Navigation Position Accuracy (mm)	±10	±10	±10	±10	±10
	Angular Accuracy (°)	±1	±1	±1	±1	±1
	Operating Speed (m/s)	1.5	1.4	1.4	1.4	1.6
Battery Performance	Battery Capacity	24V 105Ah Lithium Iron Phosphate	24V 150Ah Lithium Iron Phosphate	24V 200Ah Lithium Iron Phosphate	24V 200Ah Lithium Iron Phosphate	24V 200Ah Lithium Iron Phosphate
	Battery Life	1500 cycles	1500 cycles	1500 cycles	1500 cycles	1500 recycle
	Standby Time (h)	24	24	24	24	24
	No Load Operating Time (h)	8~10	8~10	8~10	8~10	8~10
	Full Load Operating Time (h)	6~8	6~8	6~8	6~8	6~8
	Charging Time (h)	2	2	2	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging
Protection Configuration	Lidar Quantity	3	3	3	3	3
	Safety Touch Edges	√	√	√	√	√
	Emergency Stop Button	√	√	√	√	√
	Voice Alarm	√	√	√	√	√
	Three-Color Light	√	√	√	√	√
	Obstacle Avoidance Lidar Sensor	√	√	√	√	√
	3D Suspended Obstacle Detection	Optional	Optional	Optional	Optional	Optional
	Object Detection Function	√	√	√	√	√
	RFID Recognition	Optional	Optional	Optional	Optional	Optional
	Pallet Position Detection	√	√	√	√	√
	Fork Collision Detection	None	None	None	None	None
	Fork Photoelectric Obstacle Avoidance	√	√	√	√	√
	Fork Single-Line Laser Radar Obstacle Avoidance	Optional	Optional	Optional	Optional	Optional
	Pallet/Material Cage Recognition	√	√	√	√	√
Others	Pallet/Material Cage Stacking	None	None	None	None	None
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	10-inch Industrial All-in-One Touch Screen	10-inch Industrial All-in-One Touch Screen	10-inch Industrial All-in-One Touch Screen	10-inch Industrial All-in-One Touch Screen	10-inch Industrial All-in-One Touch Screen
	Manual Control Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Surface Flatness (mm/m²)	±3	±3	±3	±3	±3
	Environmental Temperature and Humidity Range	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%

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New Generation AMR - Intelligent Unmanned Forklift Series

Product Parameters

	Product Rendering		
	Product Model	BR-D001A	BR-D002A
	Product Name	Collaborative Robotic Arm AMR	Collaborative Robotic Arm AMR
Basic Parameters	Vehicle Dimensions (L×W×H) (mm)	950 × 650 × (500~1000)	950 × 650 × (500~1000)
	Rated Load (kg)	10	20
	Vehicle Weight (kg)	250 ±5%	270 ±5%
	Navigation Method	Laser SLAM/QR Code	Laser SLAM/QR Code
	Drive Mode	Differential	Differential
	Movement Mode	Forward + Backward + Rotation	Forward + Backward + Rotation
	Rotation Diameter (No Load) (mm)	1151	1151
	Compatible Robotic Arms	MAIRA/AUBO/JAKA/KUKA/EPSO etc.	MAIRA/AUBO/JAKA/KUKA/EPSO etc.
	Climbing Ability (%)	5	5
Performance Parameters	Obstacle Passing Ability (mm)	5	5
	Passage Clearance (mm)	30	30
	Minimum Passage Width (mm)	1050	1050
	Operating Space (No Load, Single/Double Channel) (mm)	1150/2050	1150/2050
	Navigation Position Accuracy (mm) / Docking Accuracy (mm)	±10/±2	±10/±2
	End Effector Docking Accuracy (mm)	±0.5	±0.5
	Angular Accuracy (°)	±1	±1
	Operating Speed (m/s)	1.5	1.5
Battery Performance	Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate
	Battery Capacity	48V 15Ah	48V 30Ah
	Battery Life	1500 cycles	1500 cycles
	Standby Time (h)	24	24
	No Load Operating Time (h)	8~10	8~10
	Full Load Operating Time (h)	6~8	6~8
	Charging Time (h)	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging
Protection Configuration	Lidar Quantity	2/3	2/3
	Safety Touch Edges	√	√
	Emergency Stop Button	√	√
	Voice Alarm	√	√
	Three-Color Light	√	√
	Obstacle Avoidance Lidar Sensor	√	√
	Rack Leg Recognition (Excluding QR Code Navigation)	Optional	Optional
	3D Suspended Obstacle Detection	Optional	Optional
	Object Detection Function	Optional	Optional
Others	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Manual Control Panel	Android Tablet (Optional)	Android Tablet (Optional)
	Surface Flatness (mm/m²)	±3	±3
	Environmental Temperature and Humidity Range	10%~90%	10%~90%

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Product Parameters

New Generation AMR - Intelligent Unmanned Forklift Series

	Product Rendering							
	Product Model	BR-F12SL-LD	BR-F15SL-LD	BR-F14SL-LD	BR-F16SL-LD	BR-F20SL-LD	BR-F14SL-MM	BR-F20SL-MM
	Product Name	Narrow Aisle Stacker	Narrow Aisle Stacker	Narrow Aisle Stacker	Narrow Aisle Stacker	Narrow Aisle Stacker	Narrow Aisle Stacker	Narrow Aisle Stacker
Basic Parameters	Dimensions (L×W×H) (mm)	1750/915/1950	1707*864*1960	2130/1040/2275	2130/1040/2275	2170/1040/2275	1740/970/1925	2100*1105*2050
	Rated Load (kg)	1200	1500	1400	1600	2000	1400	2000
	Lifting Height (mm)	1844±5	2344	2924±5	2844±5	2684±5	2500±5	3000±5
	Weight (kg)	780±5%	700	1300±5%	1300±5%	1505±5%	920±5%	1115±5%
	Navigation Method	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM
	Drive Type	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel
	Pallet Type	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack	Open pallet/Material Rack
	Driving Mode	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual
	Fork Size (L×W×T) (mm)	1200*182*55	1200*182*55	1150*182*55	1150*182*55	1150*182*55	1165*180*60	1150*190*56
	Right-Angle Stacking Aisle Width, Pallet 1200x1000 (1200 along fork) (mm)	2457	2382	2842	2842	2882	2413	2820
	Right-Angle Stacking Aisle Width, Pallet 1200x800 (1200 along fork) (mm)	2397	2317	2778	2778	2842	2359	2754
	Turning Diameter (Empty) (mm)	2566	2506	3412	3412	3592	2312	3408
Performance Parameters	Climbing Ability (%)	5	6	5	5	5	5	5
	Obstacle Clearance (mm)	10	5	10	10	10	10	10
	Passage Gap (mm)	30	30	30	30	30	30	30
	Minimum Passage Width (mm)	1315	1264	1440	1440	1450	1370	1470
	Operation Space (Empty, Single/Dual Channel) (mm)	1415/2580	1264/2528	1540/2830	1540/2830	1550/2850	1470/2690	1570/2790
	Navigation Accuracy (mm)	±10	±10	±10	±10	±10	±10	±10
	Angle Accuracy (°)	±1	±1	±1	±1	±1	±1	±1
	Operating Speed (m/s)	2	1.6	1.7	1.7	1.7	1.3	1.7
Battery Performance	Battery Capacity	24V200Ah Lithium Iron Phosphate	24V150Ah Lithium Iron Phosphate	24V270Ah Lithium Iron Phosphate	24V270Ah Lithium Iron Phosphate	24V270Ah Lithium Iron Phosphate	24V200Ah Lithium Iron Phosphate	24V210Ah Lithium Iron Phosphate
	Battery Life	1500 cycles	1501 cycles	1500 recycle	1500 cycles	1500 cycles	1500 cycles	1500 cycles
	Standby Time (h)	24	24	24	24	24	24	24
	No-load Operating Time (h)	10~12	8~10	10~12	10~12	10~12	10~12	10~12
	Full Load Operating Time (h)	8~10	6~8	8~10	8~10	8~10	8~10	8~10
	Charging Time (h)	2	2	2	2	2	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging
Protection Configuration	Laser Radar Quantity	3	3	3	3	3	3	3
	Safety Touch Edge	√	√	√	√	√	√	√
	Emergency Stop Button	√	√	√	√	√	√	√
	Voice Alarm	√	√	√	√	√	√	√
	Three-color Light	√	√	√	√	√	√	√
	Obstacle Detection Laser Radar Sensor	√	√	√	√	√	√	√
	3D Suspended Object Obstacle Avoidance	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Object Detection Function	√	√	√	√	√	√	√
	RFID Recognition	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Pallet Position Detection	√	√	√	√	√	√	√
	Fork Collision Detection	√	None	√	√	√	√	√
	Fork Photoelectric Obstacle Avoidance	√	√	√	√	√	√	√
	Fork Single-Line Laser Radar Obstacle Avoidance	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Others	Pallet/Container Recognition	√	√	√	√	√	√	√
	Pallet/Container Stacking	√	None	√	√	√	√	√
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	10-inch Industrial Touch Screen	10-inch Industrial Touch Screen	10-inch Industrial Touch Screen	10-inch Industrial Touch Screen	10-inch Industrial Touch Screen	10-inch Industrial Touch Screen	10-inch Industrial Touch Screen
	Manual Operation Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Ground Flatness (mm/m²)	±3	±3	±3	±3	±3	±3	±3
	Operating Temperature and Humidity Range	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%

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Product Parameters

New Generation AMR - Intelligent Unmanned Forklift Series

	Product Rendering					
	Product Model	BR-F14R-LD	BR-F16R-LD	BR-F20R-LD	BR-F15R-MM	BR-F20R-YT
	Product Name	Reach Truck	Reach Truck	Reach Truck	Reach Truck	Reach Truck
Basic Parameters	Vehicle Dimensions (L×W×H) (mm)	2470×1390×2550	2470×1390×2550	2540×1390×2550	2335×1150×2125	2455×1250×2410
	Rated Load	1400 kg	1600 kg	2000 kg	1500 kg	2000 kg
	Lifting Height (mm)	5755±5	5755±5	5755±5	2500±5	2500±5
	Vehicle Weight	2940±5%	2990±5%	3310±5%	1850±5%	2130±5%
	Navigation Method	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM
	Drive Mode	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel
	Pallet Type	Open Pallet/Closed Pallet/Rack	Open Pallet/Closed Pallet/Rack	Open Pallet/Closed Pallet/Rack	Open Pallet/Closed Pallet/Rack	Open Pallet/Rack
	Driving Mode	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual
	Fork Dimensions (L×W×T) (mm)	1150*100*45	1150*100*45	1150*100*45	1070*100*35	1050*100*40
	Right-Angle Stacking Aisle Width, Pallet 1200×1000 (1200 along Fork) (mm)	3203	3217	3288	3094	3288
	Right-Angle Stacking Aisle Width, Pallet 1200×800 (1200 along Fork) (mm)	3163	3187	3241	3043	3232
	Turning Diameter (Unloaded) (mm)	3338	3550	3790	3564	4104
Performance Parameters	Climbing Ability (%)	5	5	5	5	5
	Obstacle Climbing Ability (mm)	10	10	10	10	10
	Passage Clearance (mm)	30	30	30	30	30
	Operating Space (Unloaded, Single/Double Aisle) (mm)	1890/3530	1890/3530	1890/3530	1650/3050	1750/3250
	Navigation Position Accuracy (mm)	±10	±10	±10	±10	±10
	Angle Accuracy (°)	±1	±1	±1	±1	±1
	Operating Speed (m/s)	2	2	2	1.5	1.4
Battery Performance	Battery Capacity	48V380Ah	48V400Ah	48V430Ah	24V/210Ah	24V/210Ah
	Battery Life	1500 cycles	1500 cycles	1500 cycles	1500 cycles	1500 cycles
	Standby Time (h)	24	24	24	24	24
	Unloaded Operating Time (h)	10~12	10~12	10~12	10~12	10~12
	Loaded Operating Time (h)	6~8	6~8	6~8	6~8	6~8
	Charging Time (h)	2	2	2	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging
Protection Configuration	Number of LIDAR Sensors	4	4	4	3	3
	Safety Touch Strip	√	√	√	√	√
	Emergency Stop Button	√	√	√	√	√
	Voice Alarm	√	√	√	√	√
	Three-Color Light	√	√	√	√	√
	Obstacle Avoidance LIDAR Sensor	√	√	√	√	√
	3D Overhead Obstacle Avoidance	Optional	Optional	Optional	Optional	Optional
	Object Detection Function	√	√	√	√	√
	RFID Identification	Optional	Optional	Optional	Optional	Optional
	Pallet Position Detection	√	√	√	√	√
	Fork Collision Detection	None	None	None	None	None
	Fork Light Barrier	√	√	√	√	√
	Fork Single-Line LIDAR Avoidance	None	None	None	None	None
	Pallet/Rack Recognition	√	√	√	√	√
Others	Pallet/Rack Stacking	√	√	√	√	√
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen
	Manual Operation Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Floor Flatness	±3	±3	±3	±3	±3
	Environmental Temperature and Humidity Range	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%

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Product Parameters

New Generation AMR - Intelligent Unmanned Forklift Series

	Product Rendering						
	Product Model	BR-F15E-IN-MM	BR-F20E-IN-MM	BR-F20Epro-IN-MM	BR-F16E-IN-YT	BR-F20E-IN-YT	BR-F35E-IN-LD
	Product Name	Counterbalance Forklift - Indoor	Counterbalance Forklift - Indoor	Counterbalance Forklift-Indoor	Counterbalance Forklift - Indoor	Counterbalance Forklift - Indoor	Counterbalance Forklift - Indoor
Basic Parameters	Vehicle Dimensions (L×W×H) (mm)	2490/1090/2105	2965/1090/2110	3075/1340/2340	2235/1165/3005	2235/1165/3005	3870*1350*2500
	Rated Load	1500 kg	2000 kg	2000 kg	1600 kg	2000 kg	3500kg
	Lifting Height	3000±5	3000±5	3000±5	3000±5	3000±5	3000
	Vehicle Weight	2700±5%	2900±5%	4400±5%	1390±5%	1410±5%	5440
	Navigation Method	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM
	Drive Mode	Differential Drive + Steering wheel drive	Differential Drive + Steering wheel drive	Single Steering Wheel	Single Steering Wheel	Single Steering Wheel	Differential Drive + Steering wheel drive
	Pallet Type	Open Pallet/Closed Pallet/Rack	Open Pallet/Closed Pallet/Rack	Open Pallet/Closed Pallet/Rack	Open Pallet/Rack	Open Pallet/Rack	Open Pallet/Closed Pallet
	Driving Mode	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual	Automatic/Manual
	Fork Dimensions (L×W×T) (mm)	1100*110*40	1100*110*40	1070*122*40	1150*180*55	1150*180*55	1000*122*45
	Right-Angle Stacking Aisle Width, Pallet 1200×1000 (1200 along Fork) (mm)	3179	3633	3844	2966	2966	4950
	Minimum Turning Radius (mm)	1301	3602	3856	2909	2909	2630
	Turning Diameter (Unloaded) (mm)	2602	3504	3712	3486	3486	5260
Performance Parameters	Climbing Ability (%)	5	5	5	5	5	16
	Obstacle Climbing Ability (mm)	10	10	10	10	10	50
	Passage Clearance (mm)	30	30	30	30	30	200
	Operating Space (Unloaded, Single/Double Aisle) (mm)	1590/3180	1590/3180	1840/3430	1665/3080	1665/3080	1850/3700
	Navigation Position Accuracy (mm)	±10	±10	±10	±10	±10	±10
	Angle Accuracy (°)	±1	±1	±1	±1	±1	±1
	Operating Speed (m/s)	1.5	1.5	1.5	1.4	1.4	2
Battery Performance	Battery Capacity	24V/230Ah	24V/230Ah	48V/300Ah	48V/330Ah	48V/350Ah	80V400Ah Lithium Iron Phosphate
	Battery Life	1500 cycles	1500 cycles	1500 cycles	1500 cycles	1500 cycles	1500 recycle
	Standby Time (h)	24	24	24	24	24	24
	Unloaded Operating Time (h)	10~12	10~12	8~9	10~12	10~12	8~10
	Loaded Operating Time (h)	6~8	6~8	5~6	6~8	6~8	6~8
	Charging Time (h)	2	2	2	2	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging
Protection Configuration	Number of LIDAR Sensors	3	3	3	3	3	3
	Safety Touch Strip	√	√	√	√	√	√
	Emergency Stop Button	√	√	√	√	√	√
	Voice Alarm	√	√	√	√	√	√
	Three-Color Light	√	√	√	√	√	√
	Obstacle Avoidance LIDAR Sensor	√	√	√	√	√	√
	3D Overhead Obstacle Avoidance	Optional	Optional	Optional	Optional	Optional	Optional
	Object Detection Function	√	√	√	√	√	√
	RFID Identification	Optional	Optional	Optional	Optional	Optional	Optional
	Pallet Position Detection	√	√	√	√	√	√
	Fork Collision Detection	None	None	None	None	None	None
	Fork Light Barrier	√	√	√	√	√	√
	Fork Single-Line LIDAR Avoidance	None	None	None	None	None	Optional
	Pallet/Rack Recognition	√	√	√	√	√	√
Others	Pallet/Rack Stacking	√	√	√	√	√	None
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen
	Manual Operation Panel	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)	Android Tablet (Optional)
	Floor Flatness	±3	±3	±3	±3	±3	±3
	Environmental Temperature and Humidity Range	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%

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New Generation AMR - Intelligent Unmanned Forklift Series

Product Parameters

	Product Rendering		
Basic Parameters	Product Model	BR-F20E-OUT-MM	BR-F20Epro-OUT-MM
	Product Name	Counterbalance Forklift - Outdoor	Counterbalance Forklift - Outdoor
	Vehicle Dimensions (L×W×H) (mm)	3210*1275*2360	3075/1340/2340
	Rated Load	2000 kg	2000 kg
	Lifting Height	3000±5	3000±5
	Vehicle Weight	3210±5%	4400±5%
	Navigation Method	2D Laser SLAM/3D Laser SLAM	2D Laser SLAM/3D Laser SLAM
	Drive Mode	Differential Drive + Steering Wheel Steering	Single Steering Wheel
	Pallet Type	Open Pallet/Closed Pallet/Rack	Open Pallet/Closed Pallet/Rack
	Driving Mode	Automatic/Manual	Automatic/Manual
	Fork Dimensions (L×W×T) (mm)	1070*100*40	1070*122*40
	Right-Angle Stacking Aisle Width, Pallet 1200×1000 (1200 along Fork) (mm)	3912	3844
	Minimum Turning Radius (mm)	1865	1856
	Turning Diameter (Unloaded) (mm)	3710	3712
Performance Parameters	Climbing Ability (%)	13	5
	Obstacle Climbing Ability (mm)	50	10
	Passage Clearance (mm)	200	30
	Operating Space (Unloaded, Single/Double Aisle) (mm)	1775/3300	1840/3430
	Navigation Position Accuracy (mm)	±10	±10
	Angle Accuracy (°)	±1	±1
	Operating Speed (m/s)	2	1.5
Battery Performance	Battery Capacity	48V/450Ah	48V/300Ah
	Battery Life	1500 cycles	1500 cycles
	Standby Time (h)	24	24
	Unloaded Operating Time (h)	8~9	8~9
	Loaded Operating Time (h)	5~6	5~6
	Charging Time (h)	2	2
	Charging Method	Manual/Automatic Charging	Manual/Automatic Charging
Protection Configuration	Number of LIDAR Sensors	4	3
	Safety Touch Strip	✓	✓
	Emergency Stop Button	✓	✓
	Voice Alarm	✓	✓
	Three-Color Light	✓	✓
	Obstacle Avoidance LIDAR Sensor	✓	✓
	3D Overhead Obstacle Avoidance	Optional	Optional
	Object Detection Function	✓	✓
	RFID Identification	Optional	Optional
	Pallet Position Detection	✓	✓
	Fork Collision Detection	None	None
	Fork Light Barrier	✓	✓
	Fork Single-Line LIDAR Avoidance	None	None
Others	Pallet/Rack Recognition	✓	✓
	Pallet/Rack Stacking	✓	✓
	Communication Method	2.4G/5.8G Dual-Band WiFi	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	10-Inch Industrial Touch Screen	10-Inch Industrial Touch Screen
	Manual Operation Panel	Android Tablet (Optional)	Android Tablet (Optional)
	Floor Flatness	±3	±3
Environmental Temperature and Humidity Range		10%~90%	10%~90%

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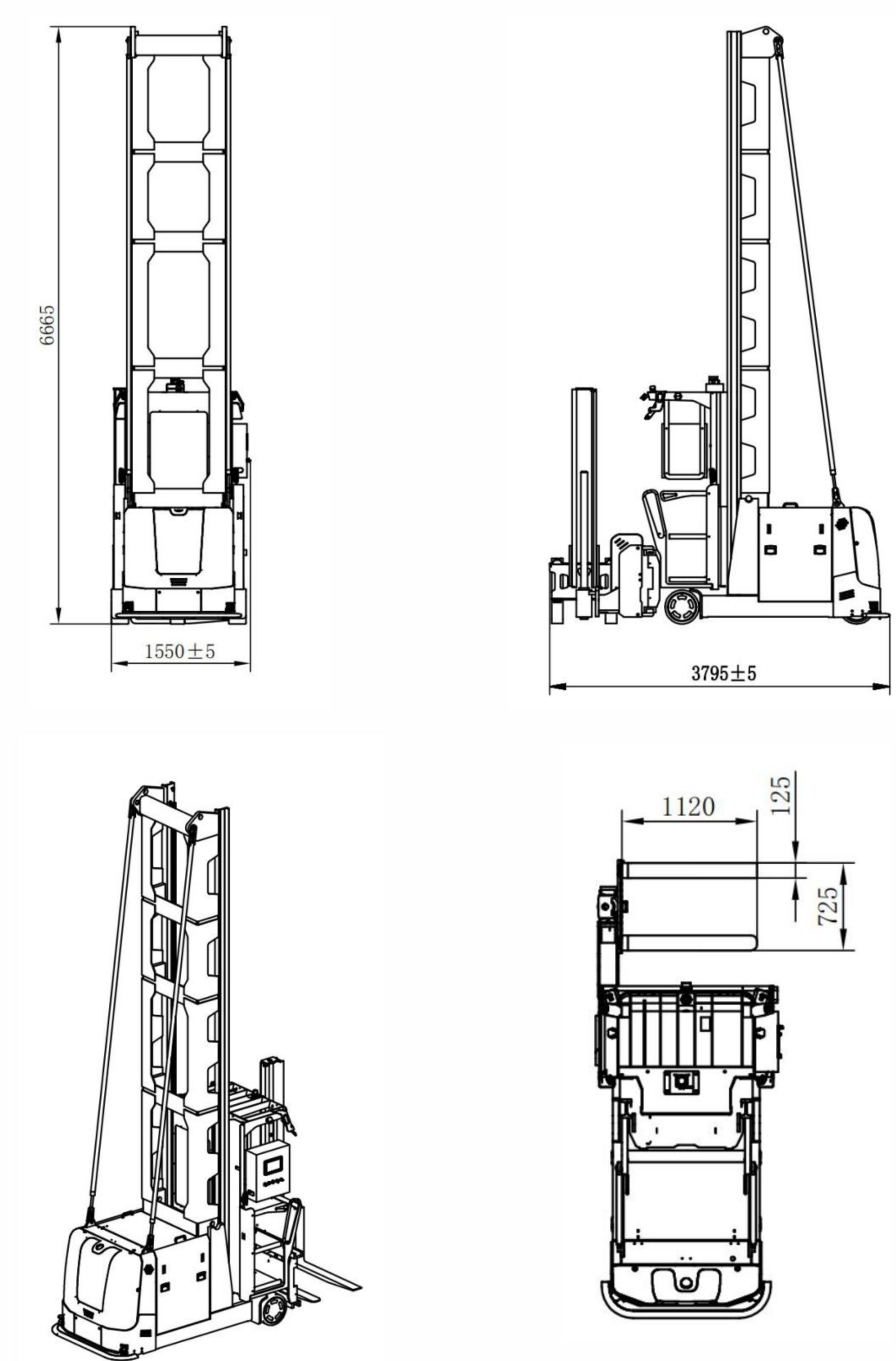
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New Generation AMR - Intelligent Unmanned Forklift Series

Overall dimensions (mm)



Product Parameters

	Product Rendering	
	Product Model	BR-F16T-MM
	Product Name	Three-Way Forklift
Basic Parameters	Vehicle Dimensions (L×W×H) (mm)	3795/1550/6665
	Rated Load	1600 kg
	Total Lifting Height	(6200~11200) ±5 mm
	Vehicle Weight	7700±5% kg
	Navigation Method	2D Laser SLAM/3D Laser SLAM
	Drive Mode	Single Steering Wheel
	Pallet Type	Open Pallet/Closed Pallet/Rack
	Driving Mode	Automatic/Manual
	Fork Dimensions (L×W×T) (mm)	1120×125×50
	Right-Angle Stacking Aisle Width (Forklift) (mm)	1951
	Minimum Turning Radius (mm)	2688
	Turning Diameter (Unloaded) (mm)	5376
Performance Parameters	Climbing Ability (%)	5
	Obstacle Climbing Ability (mm)	10
	Passage Clearance (mm)	30
	Operating Space (Unloaded, Single/Double Aisle) (mm)	2005/3560
	Navigation Position Accuracy (mm)	±10
	Angle Accuracy (°)	±1
	Operating Speed (m/s)	1.5
Battery Performance	Battery Capacity	80V 560AH
	Battery Life	1500 cycles
	Standby Time (h)	24
	Unloaded Operating Time (h)	10~12
	Loaded Operating Time (h)	6~8
	Charging Time (h)	2
	Charging Method	Manual/Automatic Charging
Protection Configuration	Number of LIDAR Sensors	3
	Safety Touch Strip	✓
	Emergency Stop Button	✓
	Voice Alarm	✓
	Three-Color Light	✓
	Obstacle Avoidance LIDAR Sensor	✓
	3D Overhead Obstacle Avoidance	Optional
	Object Detection Function	✓
	RFID Identification	Optional
	Pallet Position Detection	✓
	Fork Collision Detection	None
	Fork Light Barrier	✓
	Fork Single-Line LIDAR Avoidance	None
Others	Pallet/Rack Recognition	None
	Pallet/Rack Stacking	None
	Communication Method	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	10-Inch Industrial Touch Screen
	Manual Operation Panel	Android Tablet (Optional)
	Floor Flatness	±3
	Environmental Temperature and Humidity Range	10%~90%

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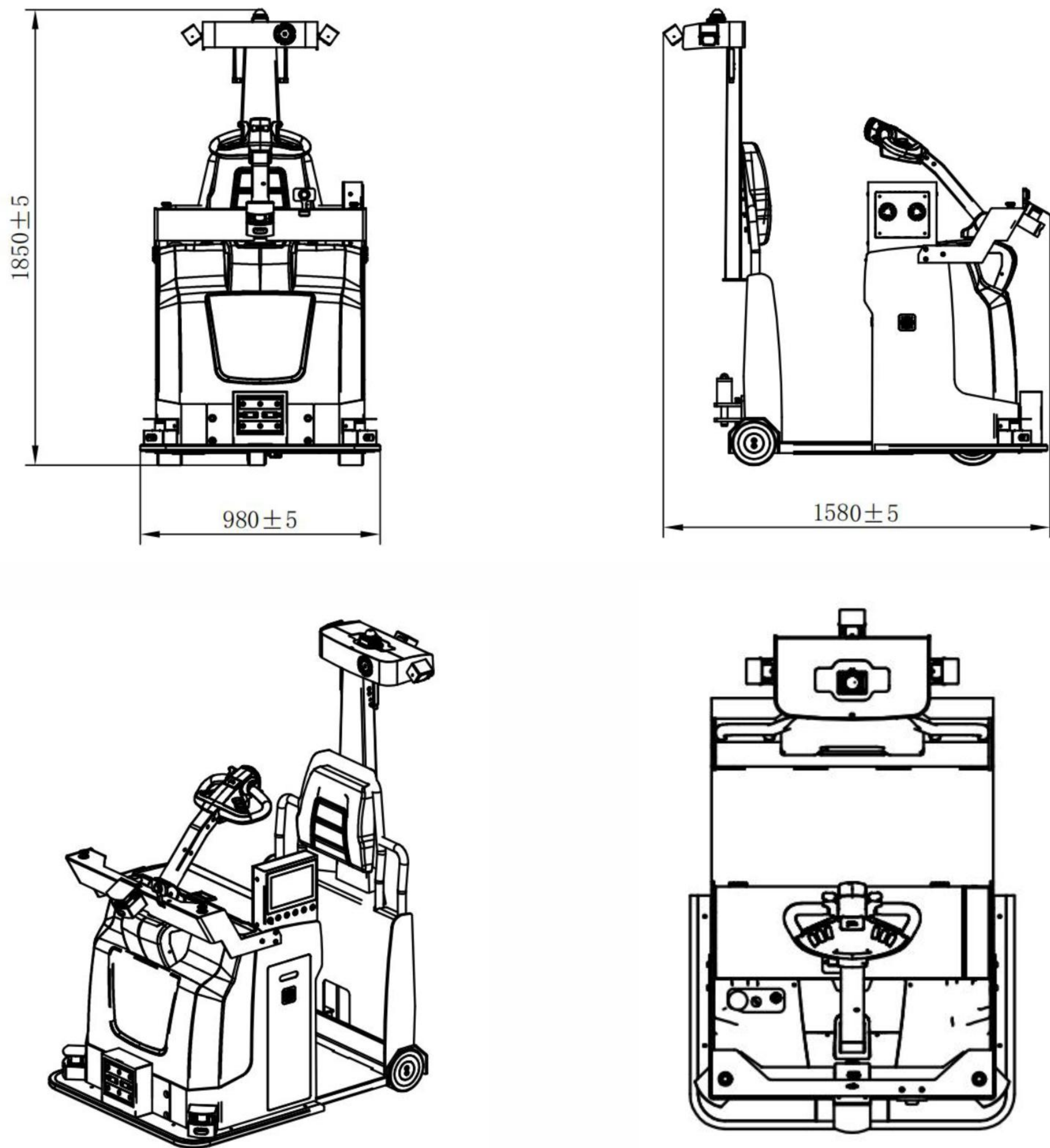
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New Generation AMR - Intelligent Unmanned Forklift Series

Overall dimensions (mm)



Product Parameters

	Product Rendering	
	Product Model	BR-F30G-MM
	Product Name	Tow Tractor
Basic Parameters	Vehicle Dimensions (L×W×H) (mm)	1580×980×1850
	Rated Load	3000 kg
	Vehicle Weight	550 kg ±5%
	Navigation Method	2D Laser SLAM/3D Laser SLAM
	Drive Mode	Single Steering Wheel
	Pallet Type	/
	Driving Mode	Automatic/Manual
	Right-Angle Stacking Aisle Width (Forklift)	/
	Minimum Turning Radius (mm)	1762
	Turning Diameter (Unloaded) (mm)	2524
Performance Parameters	Climbing Ability (mm)	3
	Operating Space (Unloaded, Single/Double Aisle) (mm)	2930/5660
	Navigation Position Accuracy (mm)	±10
	Angle Accuracy (°)	±1
	Operating Speed (m/s)	1.8
Battery Performance	Battery Capacity	24V 200Ah Lithium Iron Phosphate
	Battery Life	1500 cycles
	Standby Time (h)	24
	Unloaded Operating Time (h)	10~12
	Loaded Operating Time (h)	6~8
	Charging Time (h)	2
	Charging Method	Manual/Automatic Charging
Protection Configuration	Number of LIDAR Sensors	4
	Safety Touch Strip	✓
	Emergency Stop Button	✓
	Voice Alarm	✓
	Three-Color Light	✓
	Obstacle Avoidance LIDAR Sensor	✓
	3D Overhead Obstacle Avoidance	Optional
	Object Detection Function	None
	RFID Identification	Optional
	Pallet Position Detection	None
	Fork Collision Detection	None
	Fork Light Barrier	None
	Fork Single-Line LIDAR Avoidance	None
	Pallet/Rack Recognition	None
Others	Pallet/Rack Stacking	None
	Communication Method	2.4G/5.8G Dual-Band WiFi
	Human-Machine Interface	5-Inch Industrial Touch Screen
	Manual Operation Panel	Android Tablet (Optional)
	Floor Flatness	±3
	Environmental Temperature and Humidity Range	10%~90%

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