



Superb Load Capacity and Powerful Compatibility



Technical drawings of the 1502 model, showing side and front views with dimensions.

Side View Dimensions:

- Overall height: 2277
- Height to top of seat: 2038
- Height to top of control panel: 500
- Height to top of rear support: 55
- Height to top of rear support (alternative): 1142
- Height to top of rear support (alternative): 133
- Height to top of rear support (alternative): 55
- Height to top of rear support (alternative): 3000
- Height to top of rear support (alternative): 1950
- Height to top of rear support (alternative): 3840
- Height to top of rear support (alternative): 1020
- Height to top of rear support (alternative): 500
- Height to top of rear support (alternative): 5
- Height to top of rear support (alternative): 1
- Weight: 1500kg

Front View Dimensions:

- Overall width: 2675
- Width to side of seat: 1620
- Width to side of seat (alternative): 1502
- Width to side of seat (alternative): 1188
- Width to side of seat (alternative): 120
- Width to side of seat (alternative): 250-764
- Width to side of seat (alternative): 909

Parameter Specification

Feature parameters

	Two-Stage Mast	Three-Stage Mast
Power Type	Electric	Electric
Operation Type	AGV	AGV
Rated Load Capacity (kg)	1500	1500
Load Center Distance (mm)	500	500
Front Overhang (mm)	133	133
Wheelbase (mm)	1142	1142
Service Weight (with battery) (kg)	2500	2650

Wheels parameters

Tire Type	Polyurethane	Polyurethane
Tire Size, Drive Wheel (mm)	φ254×100	φ254×100
Tire Size, Load Wheel (mm)	φ210×85	φ210×85
Number of Wheels, Drive Side (x=driven) / Load Side	1x-2/2	1x-2/2
Tread, Load Side (mm)	909	909

Basic Dimensions

Overall Height (Mast Lowered) (mm)	2277	2277
Free Lift Height (mm)	0	1540
Lift Height (mm)	3000	4500
Mast Extended Height (mm)	3840	5340
Fork Height (Forks Lowered) (mm)	50	50
Charging Brush Plate Ground Clearance (mm)	500	500
Fork Tilt Angle, Forward/Backward (°)	1/5	1/5
Overall Length (mm)	2675	2675
Length to Fork Face (without forks) (mm)	1620	1620
Overall Width (mm)	1188	1188
Fork Dimensions (L×W×T) (mm)	1020×120×40	1020×120×40
Fork Spread, Outer (mm)	250~764	250~764
Minimum Ground Clearance (mm)	55	55
Minimum Turning Radius (mm)	1502	1502
Min. Right Angle Stacking Aisle Width (mm)	2715+200	2715+200
Right Angle Stacking Aisle Width, Pallet 1000×1000 (mm)	2740+200	2740+200

Performance Parameters

Travel Speed, Loaded/Unloaded (km/h) Lift	5/5	5/5
Speed, Loaded/Unloaded (mm/s) Lowering	95/120	95/120
Speed, Loaded/Unloaded (mm/s)	120/85	120/85
Gradeability, Loaded/Unloaded (%)	5/8	5/8
Service Brake Type	Electromagnetic	Electromagnetic

Motor Parameters

Drive Motor Power (kW)	3.0	3.0
Lift Motor Power (kW) Steering Motor	3.0	3.0
Power (kW)	0.6	0.6
Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate
Battery Voltage / Rated Capacity (V/Ah)	24/210	24/210
Battery Weight (kg)	70	70

Other Parameters

Noise Level at Operator's Ear (dB(A))	≤75	≤75
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Payload Parameters

	Lift Capacity (kg) / Load Center Distance (mm)					
Maximum Lift Height	500(Rated)	600	700	800	900	1000
≤3	1500	1290	1140	1010	920	830
3.3	1350	1160	1020	910	820	750
3.5	1250	1080	950	840	760	690
3.7	1200	1030	910	810	730	670
4	1100	950	830	740	670	610
4.3	1000	860	760	670	610	550
4.5	910	780	690	610	550	500
5	780	670	590	530	470	430
5.3	700	600	530	470	430	390
5.5	630	540	470	420	380	350
6	550	470	410	370	330	300

Mast Parameters

Two-Stage Mast	Free Lift Height	h2	mm	0	0	0	0	0	0	0	0	0
	Lift Height Mast	h3	mm	2000	2300	2500	2700	3000	3300	3500	3700	4000
	Extended Height Mast	h4	mm	2840	3140	3340	3540	3840	4140	4340	4540	4840
	Collapsed Height	h7	mm	1510	1660	1760	1860	2010	2160	2260	2360	2560
Three-Stage Mast	Free Lift Height	h2	mm	1240	1240	1340	1420	1540	1740	1800	1840	2040
	Lift Height	h3	mm	3500	3700	4000	4300	4500	5000	5300	5500	6000
	Mast Extended Height	h4	mm	4340	4540	4840	5140	5340	5840	6140	6340	6840
	Mast Collapsed Height	h7	mm	1705	1805	1905	2005	2055	2205	2305	2405	2605