



**ZERO EMISSION
ENERGY EFFICIENCY
EASY MAINTENANCE**



RTR16

ELECTRIC REACH TRUCK POWERED BY BYD LITHIUM IRON PHOSPHATE BATTERY

1.6 TON LOAD CAPACITY (IDEAL FOR INDOOR USE)

Utilizing BYD's proprietary Lithium Iron Phosphate Battery technology, BYD counterbalance forklifts have a long battery life of over 4,000 cycles (>10 years). Equipped with portable fast chargers directly connected to the forklifts, the charging process is made easy and clean. There is no release of toxic vapour during the charging process.

EQUIPMENT FEATURES

- Optimal driving comfort, safety and working efficiency
- Camera System
- Fork tilt, lifting height up to 8.5m
- 180° steering
- Load wheel brake
- Overload Protection

BATTERY ADVANTAGES

- ✔ Environmentally-friendly and non-toxic, meeting all sustainability requirements
- ✔ Lower operating cost through opportunistic charging during operators' breaks and no battery swops are required
- ✔ Lower electrical consumption compared to conventional lead-acid batteries
- ✔ Safety – withstands the harshest working environments without the risk of fire or explosion

Note:
1. Some equipment features described herein are optional.
2. Details of specifications and equipment are based on information available at time of printing and may change without notice.
3. Data provided acts as a guide. Actual performance depends on operating habits and conditions.

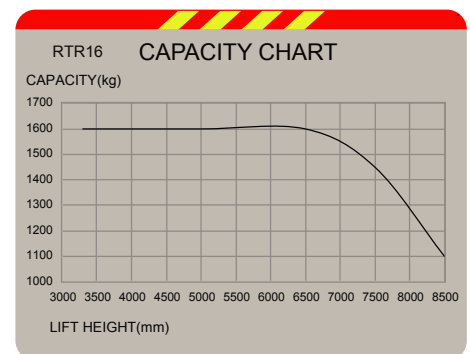
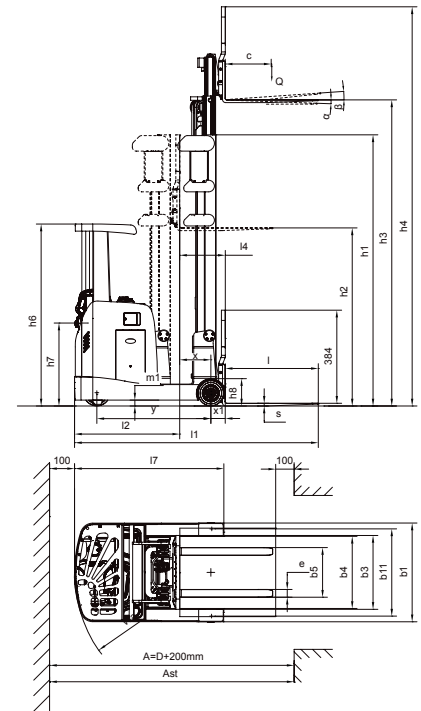


Build Your Dreams



Identification	1.1	Manufacturer			BYD
	1.2	Model			RTR16
	1.3	Power Type			Electric
	1.4	Operation type			Seated
	1.5	Load capacity			1600
	1.6	Load center	Q	kg	600
	1.7	Load distance (mast reached / retracted)	c	mm	188/400
	1.8	Wheel base	x	mm	1470
Weight	2.1	Service weight (with battery)	y	mm	4070
	2.2	Axle Load full load (reached), drive / load side		kg	748/4922
	2.3	Axle Load full load (retracted), drive / load side		kg	2136/3534
	2.4	Axle Load without load (reached), drive / load side		kg	1670/2400
	2.5	Axle Load without load (retracted), drive / load side		kg	2418/1652
Wheels	3.1	Tire Type			Polyurethane
	3.2	Tires size-front			Φ343x136
	3.3	Tires size-rear			Φ340x100
	3.4	Caster wheel			-
	3.5	Wheels (x = driven) front / rear			1x/2
	3.6	Track width-front	b10	mm	0
	3.7	Track width-rear	b11	mm	1170
	4.1	Tilt Range (forward / backward)	α/β	(°)	2/4
	4.2	Mast Lowered Height	h1	mm	1960
	4.3	Free-lift	h2	mm	100
Dimensions	4.4	Max. fork height	h3	mm	2700
	4.5	Mast Extended Height	h4	mm	3935
	4.6	Overhead Guard Height	h6	mm	2345
	4.7	Seat Height	h7	mm	1020
	4.8	Base legs Height	h8	mm	360
	4.9	Fork Height (lowered)	h13	mm	12
	4.10	Overall Length	l1	mm	2555
	4.11	Power Unit Length	l2	mm	1355
	4.12	Overall Width	b1	mm	1270
	4.13	Fork Dimensions	s/e/l	mm	40/100/1200
	4.14	Carriage Type (A / B) according ISO 2328			2A
	4.15	Carriage Width	b3	mm	730
	4.16	Outside Fork Spread	b5	mm	430/678
	4.17	Base Legs Opening (inside dimensions)	b4	mm	930
	4.18	Maximum Reach	l4	mm	588
	4.19	Underclearance (mast)	m1	mm	73
	4.20	Underclearance (centerline of wheelbase)	m2	mm	80
	4.21	Aisle width for pallets 1000x1200	Ast	mm	2848
	4.22	Aisle width for pallets 800x1200	Ast	mm	2904
	Performance	5.1	Travel speed, with / without load		Km/h
5.2		Lift speed, with / without load		mm/s	380/680
5.3		Lowering speed, with / without load		mm/s	550/550
5.4		Mast reach speed with / without load		mm/s	180/180
5.4a		Mast retract speed with / without load		mm/s	180/180
5.5		Gradeability (with / without load)		%	12/12
5.6		Acceleration time (with / without load)		S	5.6/5.0
5.7		Brake service			Mech./Hydr.
Electrics	6.1	Drive motor power (rated / max.)		kW	6.8/13.2
	6.2	Pump motor power (rated / max.)		kw	12/19
	6.3	Battery capacity		V/Ah	80/270
	6.4	Battery weight		kg	425
Others	7.1	Operating pressure for attachments		AC	
	7.2	Motor control type		bar	210
	7.3	Sound level at the driver's ear		dB(A)	≤75

1.6 Ton Reach Truck				
Description (mm)	Lift Height h3 (mm)	Free Lift h2 (mm)	Height, Mast Lowered h1 (mm)	Height, Mast Extended h4 (mm)
2 Stage Mast	2700	100	1960	3935
	3000	100	2110	4235
	3500	100	2360	4735
	3800	100	2510	5035
	4000	100	2610	5235
	4500	100	2860	5735
	4800	100	3010	6035
	5000	100	3110	6235
	5300	100	3260	6535
	4500	915	2150	5735
3 Stage Free Lift Mast	4800	1015	2250	6035
	5100	1115	2350	6335
	5550	1265	2500	6785
	6000	1415	2650	7235
	6450	1565	2800	7685
	6750	1715	2950	7985
	7200	1865	3100	8435
	7650	2015	3250	8885
	8100	2165	3400	9335
	8500	2250	3485	9735



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Exceptional Journeys

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