

RTR16

Load capacity: 1.6 ton
 Service weight: 4,279 kg
 Min. turning radius: 1,758 mm
 Voltage: 80 V
 Battery capacity: 270 Ah



RTS15

Load capacity: 1.5 ton
 Service weight: 2,850 kg
 Min. turning radius: 1,600 mm
 Voltage: 80 V
 Battery capacity: 270 Ah

Highlights of BYD reach truck

- Lifting height / weight display
- Fork automatic leveling
- Fork low position damper
- 180° maximum rotation angle of operating handle
- Overload protection
- Offset free lift cylinder design
- Low battery / power off protection
- Regenerative braking
- Operating presence sensing seat
- Speed limit when lifting or turning

Optional configurations

- 200A super charger
- Mast, load back-rest and fork customization available

Notice: Functions and configurations will change according to different models.

Standard configurations

- BYD lithium-iron-phosphate battery
- 80V 270Ah battery
- GB standard charge interface
- Three-phase AC asynchronous motor
- 100A quick charger
- 4.0m Duplex Standard mast
- 1,200mm fork with load back-rest
- External side shifter
- Multifunction dashboard

Reach truck mast specifications

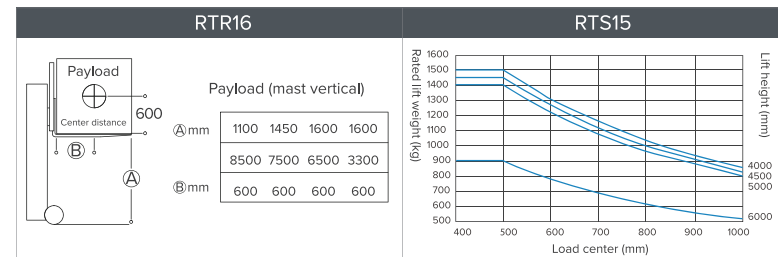
RTR16/RTS15	Lift height	Height, free lift	Height, mast lowered	Height, mast extended	Load back-rest height	Fore-rake angle	Back-rake angle
STD mast	2700	35	1971	3946	1200	2°	4°
	3000	35	2121	4246	1200	2°	4°
	3500	35	2371	4746	1200	2°	4°
	3800	35	2521	5046	1200	2°	4°
	4000	35	2621	5246	1200	2°	4°
	4500	35	2871	5746	1200	2°	4°
	4800	35	3021	6046	1200	2°	4°
	5000	35	3121	6246	1200	2°	4°
Triple FFL mast	5300	35	3271	6546	1200	2°	4°
	4500	961	2161	5746	1200	2°	4°
	4800	1061	2261	6046	1200	2°	4°
	5100	1161	2361	6346	1200	2°	4°
	5550	1311	2511	6796	1200	2°	4°
	6000	1461	2661	7246	1200	2°	4°
	6450	1611	2811	7696	1200	2°	4°
	6750	1761	2961	7996	1200	2°	4°
	7200	1911	3111	8446	1200	2°	4°
	7650	2061	3261	8896	1200	2°	4°
8100	2211	3411	9346	1200	2°	4°	
8500	2296	3496	9746	1200	2°	4°	

*More mast options available upon request

Charging time (Unit: hour)

Charger	Battery	
	24V 110Ah	80V 270 Ah
30A	About 3.5	-
100A	About 1	About 2.5
200A	-	About 1.2

Reach truck load diagram



REACH TRUCK SPECIFICATIONS

Identification			BYD	BYD		
	Manufacturer			BYD	BYD	
Model			RTS15	RTR16		
Power Type			Electric	Electric		
Operation Type			Stand-Up Rider	Seated		
Load capacity	Q	kg	1500	1600		
Load center	c	mm	500	600		
Load distance (mast reached/retracted)	x	mm	175/345	188/400		
Wheel base	y	mm	1350	1470		
Weights			kg	kg		
	Service weight (with battery)		2850	4279		
	Axle Load without load (reached), drive/load side		-	1909 / 2361		
	Axle Load without load (retracted), drive/load side		1747 / 1103	2627 / 1643		
Axle Load full load (reached), drive/load side		kg	490/3860	1038 / 4832		
Axle Load full load (retracted), drive/load side		kg	-	2410 / 3460		
Wheels			Polyurethane	Polyurethane		
	Tire Type					
	Tires size-front		Φ313X125	Φ343×136		
	Tires size-rear		Φ300X100	Φ340×100		
Wheels (x = driven) front/rear			1x/2	1X/2		
Track width-front		b10	mm	-	0	
Track width-rear		b11	mm	-	1170	
Dimensions	Tilt Range (forward / backward)		α/β	(°)	2/4	2 / 4
	Mast Lowerd Height		h1	mm	2661	3496
	Free-Lift		h2	mm	1461	2296
	Max. Lift Height		h3	mm	6000	8500
	Mast Extended Height		h4	mm	7246	9746
	Overhead Guard Height (tiller in drive position)			mm	2250	2345
	Seat Height		h7	mm	-	1020
	Base Legs Height		h9	mm	-	1225
	Fork Height (lowered)		h13	mm	45	360
	Overall Length		l1	mm	2330	2555
	Power Unit Length		l2	mm	-	1355
	Overall Width		b1	mm	1090	1270
	Fork Dimensions		s/e/l	mm	40 / 100 / 1070	35 / 100 / 1200
	Carriage Type (A/B) according ISO 2328				2A	2A
	Carriage Width		b3	mm	-	730
	Outside Fork Spread (max/min)		b5	mm	-	430 / 678
	Base Legs Opening (inside dimensions)		b4	mm	-	930
	Maximum Reach		l4	mm	520	588
	Underclearance (mast)		m1	mm	80	73
	Underclearance (centerline of wheelbase)		m2	mm	-	80
Aisle width for pallets 1000×1200		Ast	mm	2688	2848	
Aisle width for pallets 800×1200		Ast	mm	2744	2904	
Min. Turning Radius		Wa	mm	1600	1758	
Head Length (length to fork face)		l7	mm	-	1930	
Performance	Travel speed, with/without load		Km/h	10.5 / 10.5	13 / 13	
	Lift speed, with/without load		mm/s	320 / 550	380 / 680	
	Lowering speed, with/without load		mm/s	500 / 550	550 / 550	
	Mast reach speed with/without load		mm/s	-	180 / 180	
	Mast retract speed with/without load		mm/s	-	180 / 180	
	Gradeability (with/without load)		%	10 / 15	12 / 12	
	Acceleration time (with/without load)		s	-	5.6 / 5.0	
	Brake service			-	Mech./Hydr	
Electrics	Drive motor power (rated/max.)		kw	5.8	6.8 / 13.2	
	Pump motor power (rated/max.)		kw	8.6	12 / 19	
	Battery capacity		V/Ah	80 / 270	80 / 270	
	Battery weight		kg	-	425	
Others	Motor control type			AC	AC	
	Operating pressure for attachments		bar	<210	210	
	Sound level at the driver's ear		dB(A)	≤75	≤75	