



Lithium Battery Reach Truck

RT 16Li

Lithium battery reach truck

Lithium battery ride-on reach truck RT16Li with unique design. The cabin adopts four columns to penetrate the frame which is both beautiful and safe. Wide field of vision and driving space along with high elastic shock-absorbing seats provide a unique driving pleasure.

The German 6.4kW three-phase AC drive motor and the American controller are selected to ensure stronger vehicle power and smoother acceleration and deceleration. At the same time, it is equipped with EPS electronic power steering system for easy steering. The 180°/360° steering mode can be switched in real time with the German thumb switch, centralized type central console, fingertip operation, convenient and precise, ensuring high efficiency and driving comfort. Multi-function LCD instrument can display steering wheel position, battery power, power alarm, fault code, running time, driving speed and other information.

Suspension seat

The highly elastic shock-absorbing seat greatly reduces the transmission of vibration to the driver. At the same time, the combination of the automotive-grade bionic curved backrest can effectively reduce the driver's driving fatigue; the seat can be adjusted in multiple positions to meet the operation of different heights and body shapes. According to the needs of users, this car adopts lithium battery which can be charged quickly to meet the requirements of multi-shift working system. The steering wheel and center console can be adjusted freely in all directions to adapt to your best operating habits.



Robust
Design



High-performance
lithium battery



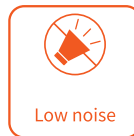
Cost-effective



Capacity
1600Kg



Easy
Maintenance



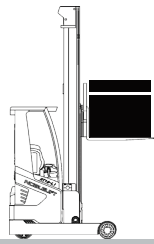
Low noise



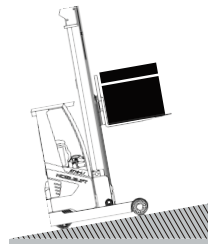
High performance guarantees high efficiency



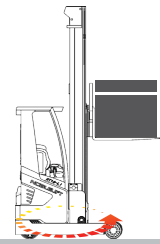
The AC variable frequency speed control technology enables the driving, hoisting, and steering drive to realize stepless closed-loop speed control, which is accurate and reliable. Electro-hydraulic proportional control system, good fretting performance, more stable work and more precise control.



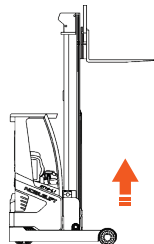
The driving speed
10.5km/h



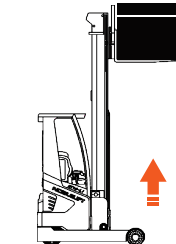
The maximum grad-ability
with full load 10%



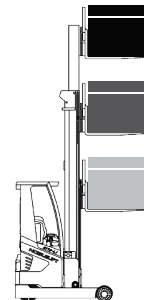
The turning radius only
1650mm



Unload lifting speed
0.5m/s



Full load lifting speed
0.4m/s



High capacity at high
position

Enjoy the driving experience



Multi-function LCD instrument can display steering wheel position, battery power, power alarm, fault code, running time, driving speed and other information.



The multi-function password lock can manually enter the password or swipe the card to start, which simplifies the authorization operation process and meets the requirements of multi-shift work.



Multifunctional armrest, German thumb switch, direction switch, EPS electronic power steering system, horn switch, emergency power off switch, etc., realize fingertip operation, convenient and accurate.



Spacious foot space allows any operator to find a comfortable position and ensures adequate comfort during operation throughout the shift.



Suspension seat The highly elastic shock-absorbing seat greatly reduces the transmission of vibration to the driver. At the same time, the combination of the automotive-grade bionic curved backrest can effectively reduce the driver's driving fatigue; the seat can be adjusted in multiple positions to meet the operation needs of different heights and figures.



Wide vision and driving space, ergonomic layout, embodies the humanized design.



Intelligent security protection

Height limit function:

When the fork is lifted to the maximum height, the lifting motor will automatically power off to ensure the safety of lifting.

Turning Speed Limit Control:

Prevent the forklift from overturning sideways when turning, and ensure the safety.

Motor temperature detection control:

Prevent the motor from being damaged due to overheating.

Motor current detection control:

Prevent the motor from being damaged due to excessive motor current.

Electromagnetic brake and hydraulic brake:

Combination of electromagnetic braking and hydraulic braking, short braking distance, no deviation, no impact, safe and reliable.

Parking electromagnetic brake:

It can realize one-button operation function either on the ramp and smooth ground.



High-precision forward sliding rails and excellent clearance compensation design make the mast more stable during reach application.



The chassis structure is strong, the distribution of the center of mass is reasonable, and the stability of the whole vehicle is excellent.



High-definition monitoring system, real-time monitoring of cargo stacking.



Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Identification

1.2	Manufacturer's type designation		RT16Li
1.3	Drive:electric(battery or mains),diesel,petrol gas>manual)		electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated
1.5	Load capacity/rated load	Q(kg)	1600
1.6	Load centre distance	c(mm)	600
1.8	Load distance,centre of drive axle to fork	x(mm)	310/174
1.9	wheelbase	y(mm)	1400

Weights

2.1	Service weight incl. battery	kg	3730
2.3	Axle load, mast retracted without load, drive/support arm wheel	kg	2200/1530
2.4	Axle load, mast extended with load, drive/support arm wheel	kg	620/4710
2.5	Axle load, mast retracted with load, drive/support arm wheel	kg	1820/3510

Wheels, Chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pu
3.2	Tyres size,front	Øxw (mm)	Ø343×140
3.3	Tyres size,rear	Øxw (mm)	Ø285×110
3.5	Wheels,number front/rear(×=driven wheels)		1×/2
3.7	Track width,rear	b11(mm)	1160

Basic Dimensions

4.1	Mast/fork carriage tilt forward/backward	α/β(°)	4°/-2°
4.2	lowered mast height	h1(mm)	3900
4.3	Free lift	h2(mm)	3290
4.4	Lift height	h3(mm)	9500
4.5	Extended mast height	h4(mm)	10410
4.7	Overhead load guardheight	h6(mm)	2200
4.8	Seat height/standing height	h7(mm)	960
4.10	Height of support arms	h8(mm)	270
4.15	Height of lowered forks	h13(mm)	40
4.19	Overall length	l1(mm)	2475
4.20	Length to face of forks	l2(mm)	1325
4.21	Overall width	b1(mm)	1270
4.22	Fork dimensions	s/e/l(mm)	35/100/1150
4.23	Fork carriage ISO 2328, class/type A, B		2A
4.25	Width across forks	b5(mm)	200-740/200-818
4.26	Distance between support arms	b4(mm)	900
4.28	Reach distance	l4(mm)	485
4.31	Ground clearance ,laden,under mast	m1(mm)	90
4.32	Ground clearance,centre of wheelbase	m2(mm)	75
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	2770
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	2820
4.35	Turning radius	Wa(mm)	1650
4.37	Length across support arms	l7(mm)	1780

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Performance Data			
5.1	Travel speed,laden/unladen	km/h	10.5/10.5
5.2	Lift speed,laden/unladen	m/s	0.4/ 0.5
5.3	lowering speed,laden/unladen	m/s	0.45/0.45
5.4	Reach speed, with/without load	m/s	0.1/0.1
5.8	Max. gradeability, with/without load	%	10/15
5.10	Service brake		Hydraulic/electric
E-Motor			
6.1	Drive motor rating S2 60 min	kW	6.4/7
6.2	Lift motor rating at S3 15%	kW	12.5
6.4	Battery voltage,nominal capacity K5	V/Ah	48/350
6.5	Battery weight	kg	250
Other Details			
8.1	Type of drive control		AC
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	68

Get in touch for sales & enquiries

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