



Sit-on Reach Truck

RT16C Outdoor Ride-on Reach truck

The RT16C Outdoor Reach Truck is purpose-built for outdoor warehouse operations. With a compact design and a high-clearance chassis, it easily navigates uneven terrain and challenging environments. Engineered for exceptional maneuverability and efficiency, the RT16C delivers reliable performance where traditional reach trucks fall short.



Advanced Configuration:

Equipped with a 48V fully AC drive system and electric power steering, the RT16C offers smooth, responsive handling. Its German-imported transmission ensures excellent driving performance, with instant switching between 180° and 360° steering modes for greater flexibility. A multifunctional color LCD dashboard displays key information such as steering position, battery status, warnings, fault codes, hours, and speed.



Outdoor Adaptability:

The RT16C is equipped with solid rubber tires on both the drive and load wheels, enhancing its outdoor performance. These tires offer excellent wear resistance and puncture protection, making them ideal for challenging surfaces such as gravel and muddy terrain. Their strong grip ensures stable, slip-resistant operation across various conditions, providing users with a safe and reliable driving experience.

Universal Mast Design:

The mast features a high level of compatibility and is fully interchangeable with the Noblift RTXXP series. Its robust structure ensures excellent rigidity and stability, while an upgraded clearance adjustment system significantly enhances the mast's front-to-back movement stability.

A well-organized layout of the lift cylinders and center-mounted hydraulic lines keeps the mast neat and visually streamlined. The combination of electro-hydraulic proportional control and hydraulic cushioning technology minimizes vibration and shock during lifting transitions, ensuring safe and reliable stacking operations.

Upgraded Safety and Stability System:

The RT16C features an integrated angle sensor system that automatically restricts lifting operations when the truck reaches a certain tilt angle, helping prevent tip-over risks. This smart safety design enhances operator protection and reduces the risk during operation.



Multifunctional color LCD display



Centralized fingertip control console



Real-time switching between 180° and 360° steering modes



Integrated side shifter



High-clearance 120 mm chassis for better passability



Optional (Grammer) suspension seat with high-elasticity shock absorption

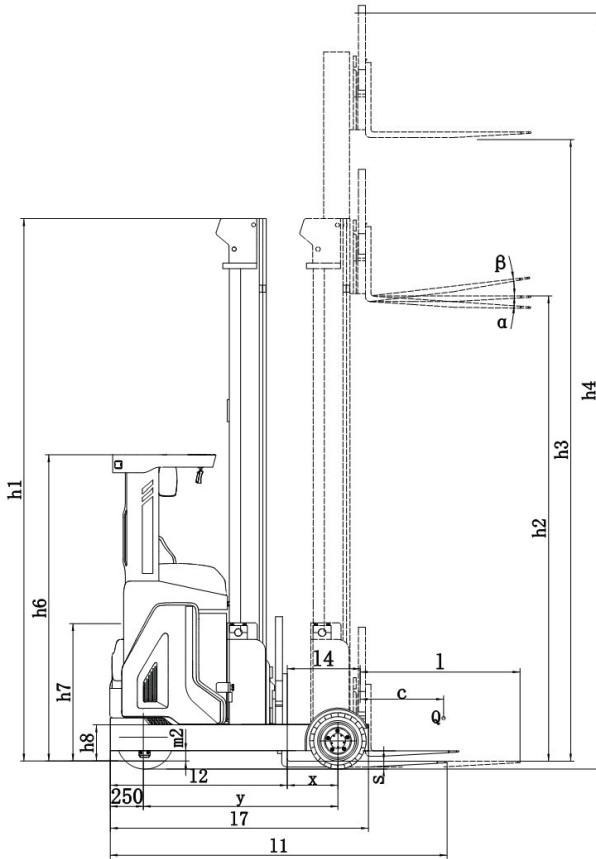


Identification	1.1	Manufacturer		NOBLELIFT
	1.2	Model		RT16C
	1.3	Drive		Electric
	1.4	Operator type		Seated
	1.5	Load capacity / rated load	Q (kg)	1600
	1.6	Load centre	c (mm)	600
	1.8	Load distance, centre of support arm wheel to face of forks	x (mm)	325/270
	1.9	Wheelbase	y (mm)	1420
Weights	2.1	Service weight including battery	kg	4090
	2.3	Axle load, mast retracted without load, drive/support arm wheel	kg	2474/1616
	2.4	Axle load, mast extended with load, drive/support arm wheel	kg	772/4961
	2.5	Axle load, mast retracted with load, drive/support arm wheel	kg	2131/3584
Wheels	3.1	Drive/support arm wheel		Rubber solid tire
	3.2	Wheel size, front	Øxw (mm)	406 x178
	3.3	Wheel size, rear	Øxw (mm)	406 x178
	3.5	Wheels, number front/rear (x=driven wheels)		1x / 2
	3.7	Track width, rear	b11 (mm)	1222
Dimensions	4.1	Tilt of fork, forward/backward	$\alpha/\beta(^{\circ})$	4°/-2°
	4.2	Height, mast extended	h1 (mm)	3280
	4.3	Free lift	h2 (mm)	2563
	4.4	Lift height	h3 (mm)	7500
	4.5	Extended mast height	h4 (mm)	8456
	4.7	Height of overhead guard (cab)	h6 (mm)	2240
	4.8	Seat height	h7 (mm)	1130
	4.10	Height of support arms	h8 (mm)	270
	4.15	Height of lowered forks	h13 (mm)	40
	4.19	Overall length	l1 (mm)	2520
	4.20	Length to face of forks	l2 (mm)	1338
	4.21	Overall width	b1 (mm)	1400
	4.22	Fork dimensions	s/e/l (mm)	40/120/1150
	4.23	Fork carriage ISO 2328, class/type A, B		2
	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)	595
	4.31	Ground clearance, with load, below mast	m1 (mm)	105
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	120
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast(mm)	2680
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast(mm)	2845
Performance data	4.35	Turning radius	Wa (mm)	1770
	4.37	Length across support arms	l7 (mm)	1902
	5.1	Travel speed, with/without load	km/h	10/10
	5.2	Lift speed, with/without load	m/s	0.35/0.5
	5.3	Lowering speed, with/without load	m/s	0.45/0.45
	5.4	Reach speed, with/without load	m/s	0.1 / 0.1
Electric motor	5.8	Max. gradeability, with/without load	%	10/15
	5.10	Service brake		Hydraulic/electric
	6.1	Drive motor rating S2 60 min	kW	6.4
	6.2	Lift motor rating S3 15%	kW	12.5
	6.4	Battery voltage, nominal capacity K5	V/Ah	48/560
Other		Lithium Battery Voltage	V/Ah	48/400
	6.5	Battery weight	kg	950
Other	8.1	Type of drive control		AC
	8.4	Sound level at the driver's ear according to EN 12 053	dB(A)	68

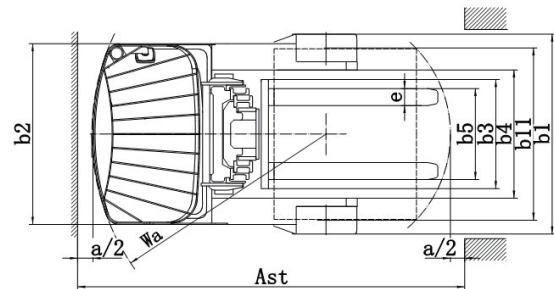
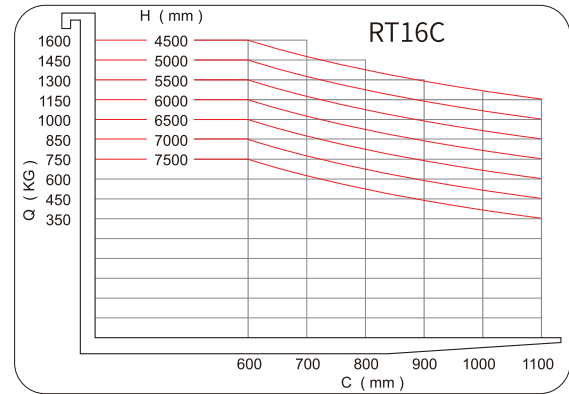
RT16C

Lift	h3(mm)	4500	5000	5500	6000	6500	7000	7500
Height of mast, lowered	h1(mm)	2281	2446	2614	2781	2946	3114	3280
Height of mast, extended	h4(mm)	5456	5956	6456	6956	7456	7956	8456
Free lift	h2(mm)	1563	1730	1897	2063	2230	2397	2563
Recommended mast	h3(mm)	4500	5500	6500	7500			

Structure diagram



Load curve diagram



Get in touch for sales & enquiries

enquiries@noblelift.nz

09 302 0414

Noblelift New Zealand

3/18 Croskery Road

Papakura 2110

NOBLELIFT