

NOBLELIFT

RT20G



Sit-on Reach Truck

noblelift.nz

RT20G Sit-on Reach Truck

Precision Scenario Adaptation

- The RT20G is specifically designed for indoor warehousing, featuring a zero-emission lithium battery design that perfectly meets the demands of enclosed space operations.

Revolution in Space Efficiency

- With an ultra-compact body design, it easily handles narrow aisle operations.
- Despite its compact size, it can effortlessly handle a load of 2.0 tons and achieve a lifting height of 9.5 meters.

Comprehensive Efficiency Boost

- Speed fully upgraded: Lifting speed at full load reaches 450mm/s, lowering speed reaches 500mm/s, and maximum travel speed hits 14km/h.
- In complex working conditions, efficiency surpasses the average of competing products by 40%, with a 25% increase in single-shift operation volume.

Top-Tier Performance Configuration

- Equipped with an 80V full AC drive system, electric steering, and a high-performance German transmission, along with a Curtis controller, ensuring flexible steering and superior driving performance, combining both power and endurance.
- Electronic power steering comes standard across the entire series.

Cost-Effective

- Compared to other similar models, the maintenance cycle is extended by 50%, and overall energy consumption is reduced by 35%.
- CE Certified.



Robust
Design



High-performance
lithium battery



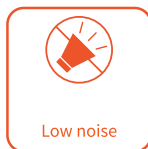
Cost-effective



High
operability



Easy
Maintenance



Low noise





Centralized control console with fingertip operation.



Multi-functional password lock and real-time switching between 180°/360° steering modes.



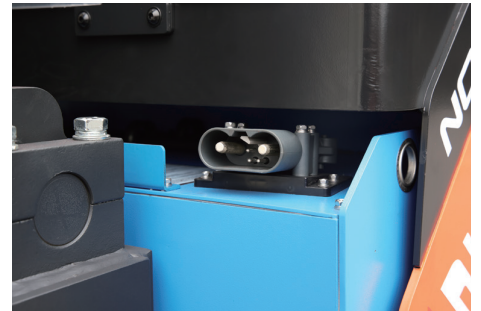
Multi-function color LCD display.



One-click fork leveling and centering.



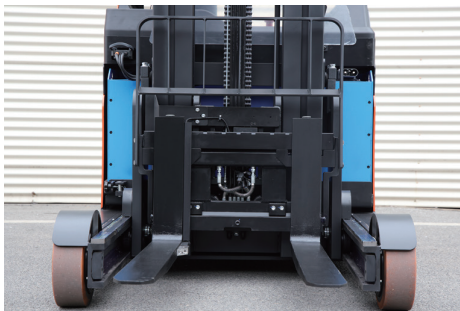
HD monitoring system.



Standard high-performance lithium battery.



Wide Vision and Driving Space.



Built-in Side shift device.



(Grammer) Suspension seat with high-elastic shock absorption.



LED lighting and safety blue lights.



Motor cooling system.



Electric adjustable pedals.

Comprehensive Safety Protection

Height Limiting Function:

Automatically stops the lifting motor when the fork reaches the maximum height, preventing over-lifting and ensuring safety.

Turning Speed Control:

Automatically limits speed during turns to prevent tipping, ensuring turning stability.

Motor Temperature Monitoring:

Real-time monitoring of motor temperature to prevent overheating.

Motor Current Monitoring:

Real-time monitoring of motor current to prevent damage caused by excessive current.

Electromagnetic and Hydraulic Braking:

Combining electromagnetic and hydraulic braking for short braking distances, no deviation, and no impact, ensuring safety and reliability.

Parking Electromagnetic Brake:

Supports one-click parking on slopes and flat ground, making operation simple and convenient.



Identification	1.1	Manufacturer		NOBLELIFT
	1.2	Model		RT20G
	1.3	Drive		Electric
	1.4	Operator type		Seated
	1.5	Load capacity / rated load	Q (kg)	2000
	1.6	Load centre	c (mm)	600
	1.8	Load distance, centre of support arm wheel to face of forks	x (mm)	385/200
	1.9	Wheelbase	y (mm)	1530
Weights	2.1	Service weight including battery	kg	4120
	2.3	Axle load, mast retracted without load, drive/support arm wheel	kg	2554/1563
	2.4	Axle load, mast extended with load, drive/support arm wheel	kg	713/5484
	2.5	Axle load, mast retracted with load, drive/support arm wheel	kg	2231/3922
Wheels	3.1	Drive/support arm wheel		PU
	3.2	Wheel size, front	Øxw (mm)	Ø 343 x140
	3.3	Wheel size, rear	Øxw (mm)	Ø 330 x 110
	3.5	Wheels, number front/rear (x=driven wheels)		1x / 2
	3.7	Track width, rear	b11 (mm)	1160
Dimensions	4.1	Tilt of fork, forward/backward	α/β(°)	4°/-2°
	4.2	Height, mast extended	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	Height of overhead guard (cab)	h6 (mm)	2200
	4.8	Seat height	h7 (mm)	1090
	4.10	Height of support arms	h8 (mm)	270
	4.15	Height of lowered forks	h13 (mm)	40
	4.19	Overall length	l1 (mm)	2525
	4.20	Length to face of forks	l2 (mm)	1382
	4.21	Overall width	b1 (mm)	1270
	4.22	Fork dimensions	s/e/l (mm)	40/120/1150
	4.23	Fork carriage ISO 2328, class/type A, B		2/A
	4.25	Width across forks	b5 (mm)	240-740/240-818
	4.26	Distance between support arms	b4 (mm)	900
	4.28	Reach distance	l4 (mm)	585
	4.31	Ground clearance, with load, below mast	m1 (mm)	90
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	75
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast(mm)	2826
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast(mm)	2874
	4.35	Turning radius	Wa (mm)	1767
	4.37	Length across support arms	l7 (mm)	1930
Performance data	5.1	Travel speed, with/without load	km/h	14/14
	5.2	Lift speed, with/without load	m/s	0.45/0.58
	5.3	Lowering speed, with/without load	m/s	0.5/0.5
	5.4	Reach speed, with/without load	m/s	0.12/0.12
	5.8	Max. gradeability, with/without load	%	10/15
	5.10	Service brake		Hydraulic/electric
Electric motor	6.1	Drive motor rating S2 60 min	kW	8.1
	6.2	Lift motor rating S3 15%	kW	20
	6.4	Lithium Battery Voltage	V/Ah	76.8/300
	6.5	Battery weight	kg	500
Other	8.1	Type of drive control		AC
	8.4	Sound level at the driver's ear according to EN 12 053	dB(A)	62

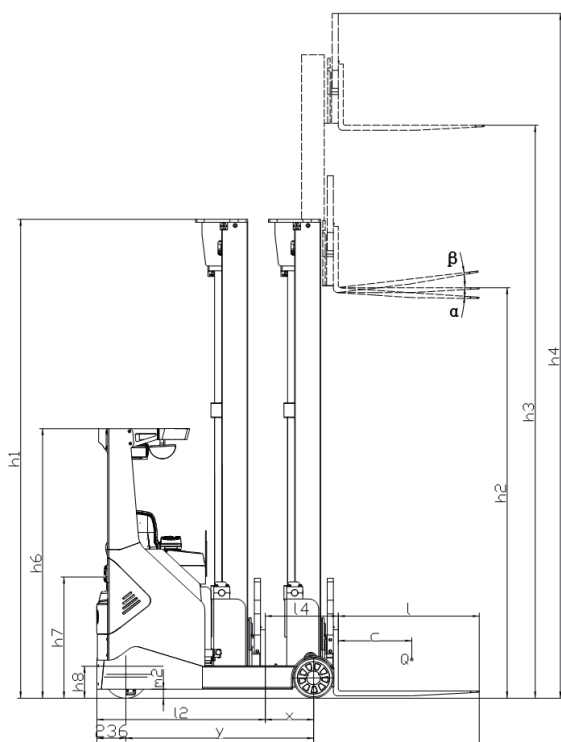
RT20G

Lift	h3(mm)	4500	5000	5500	6000	6500	7000	7500	8000
Height of mast, lowered	h1(mm)	2235	2400	2568	2735	2900	3068	3234	3400
Height of mast, extended	h4(mm)	5410	5910	6410	6910	7410	7910	8410	8910
Free lift	h2(mm)	1563	1730	1897	2063	2230	2397	2563	2730

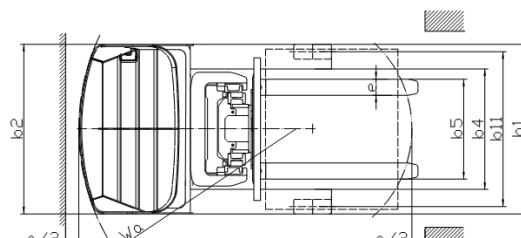
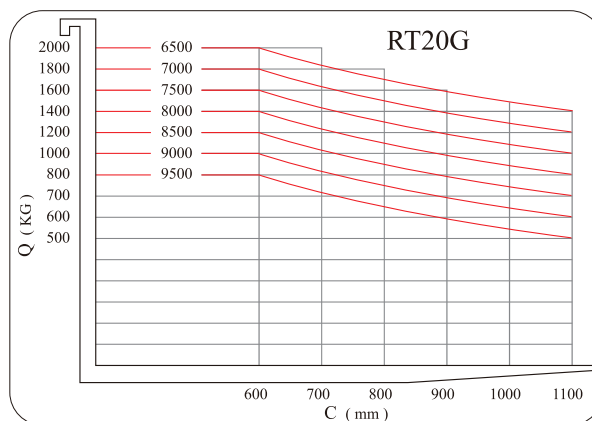
Lift	h3(mm)	8500	9000	9500
Height of mast, lowered	h1(mm)	3567	3734	3900
Height of mast, extended	h4(mm)	9410	9910	10410
Free lift	h2(mm)	2897	3063	3230

Give priority	h3(mm)	4500	5500	6500	7500	8500	9500
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Structure diagram



Load curve diagram



Get in touch for sales & enquiries

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NOBLELIFT