



Stand-on Reach Truck

HIGHLIGHTS

- ▶ Product Highlights
- ▶ Rated load: 1500/1800 kg
- ▶ Lifting height: 3000/6000 mm, three-stage full free mast
- ▶ Minimum Aisle width: 1690 mm
- ▶ 48V AC control system
- ▶ AC drive, electric steering
- ▶ Active suspension stabilization system
- ▶ Cornering speed limiter
- ▶ Drive suspension structure

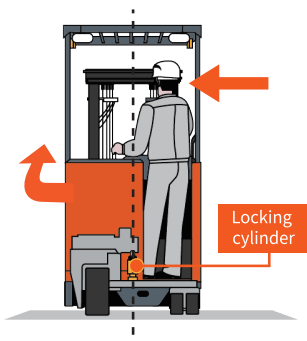
Compact, High Performance, and High Productivity

NOBLELIFT's innovative RRS-150-180 series integrates advanced technology into a new compact design, delivering durable, cost-effective, and safe performance.



Excellent automatic suspension control system

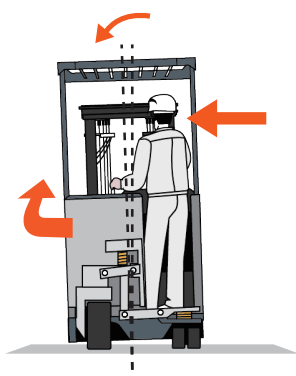
Suspension control system



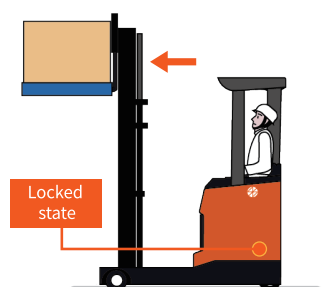
Suspension control:

When lateral acceleration is detected, the suspension locking cylinder quickly and stably locks, effectively suppressing excessive front wheel lift.

Without suspension control system



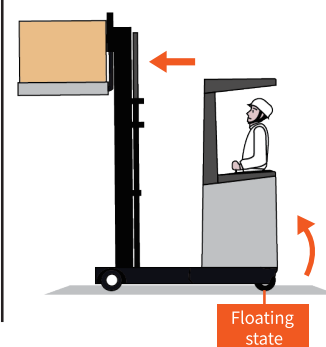
Suspension control system



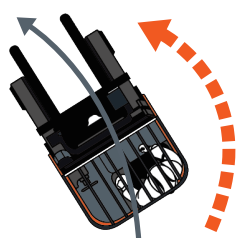
Suspension control:

When the mast is extended forward and handling loads at a high position, the suspension sway locks, preventing the rear end from lifting and enhancing stability during high-lift operations. When the mast is in the low position, the suspension floats, providing excellent road adaptability.

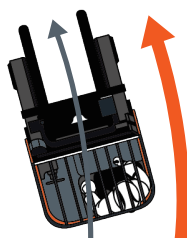
Without suspension control system



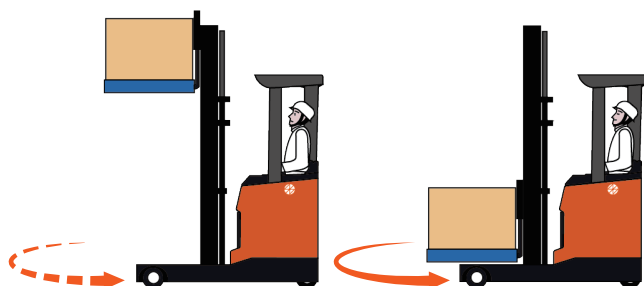
Curve Speed Control



Slower speed for smaller turning radii

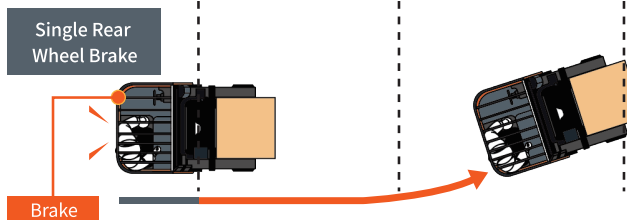
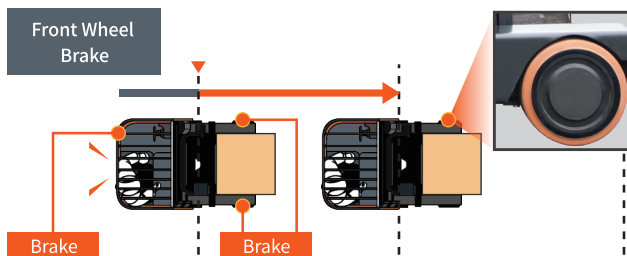


Fast speed for larger turning radii



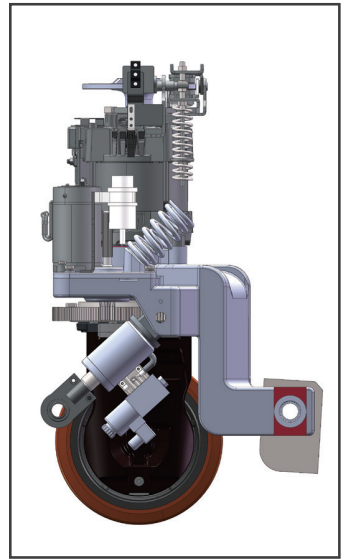
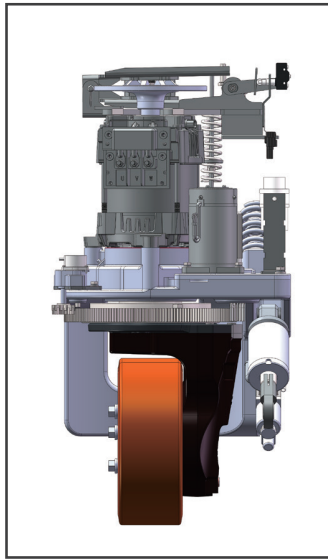
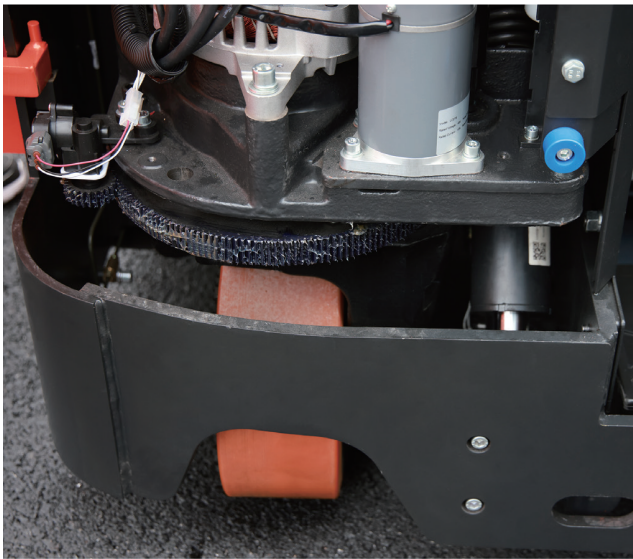
The Curve Speed Control automatically and precisely controls turning speed based on the mast height and turning radius, ensuring smoother and more reliable cornering during load-lifting operations.

Front Wheel Assisting Brake System



A highly efficient assisting brake is specially added to the front load-bearing wheel. When the vehicle is heavily loaded or driving on slippery roads, this assisting brake works in conjunction with the drive wheel brake system to provide stable and reliable braking force, effectively shortening stopping distances and significantly reducing vehicle skidding.

Drive axle maintenance and disassembly are convenient.



The drive axle is easily assembled and repaired. The drive section is assembled as a single unit, simplifying the process and facilitating after-sales maintenance.

Intelligent, safe, and reliable



Multi-function color LCD instrument panel



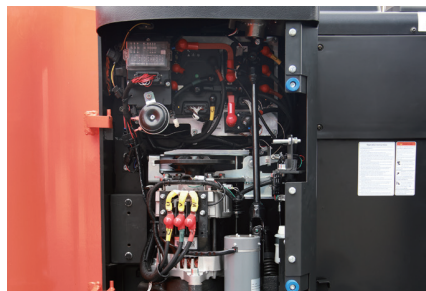
Centralized central control console



Hydraulic oil filler



LED work lights and optional reverse blue spotlight



Various control systems from various brands



Battery charging port

Smooth Start-off, Travel, and Braking,
Stress Free Operation in Your Hand.



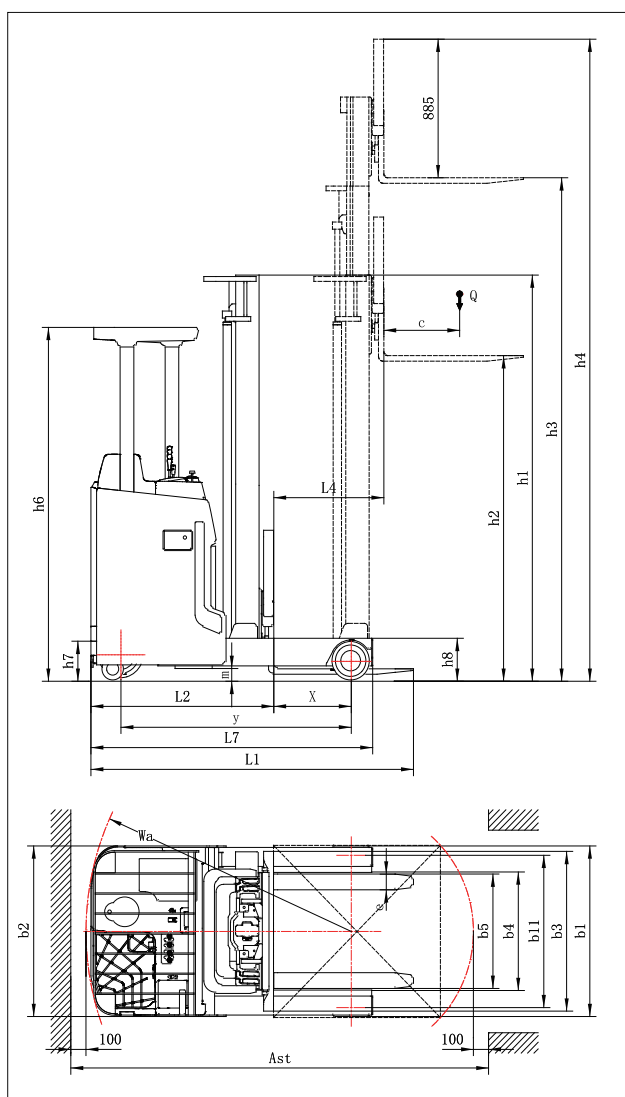
Three-stage mast

Lift	h3(mm)	5000	5500	6000
Height of mast, lowered	h1(mm)	2270	2430	2595
Height of mast, extended	h4(mm)	5885	6385	6885
Free lift	h2(mm)	1385	1545	1710

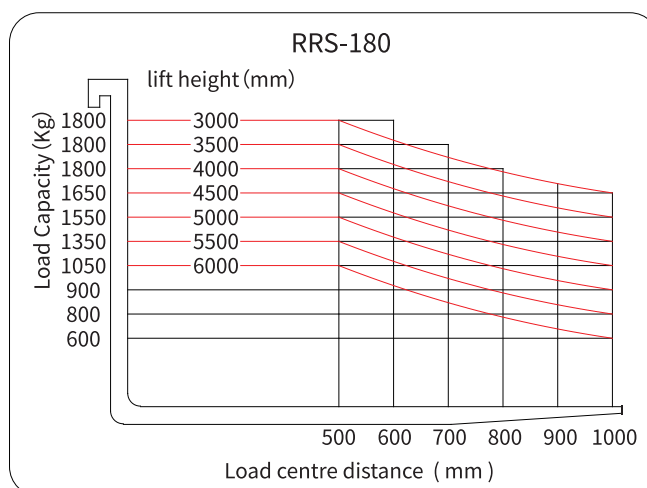
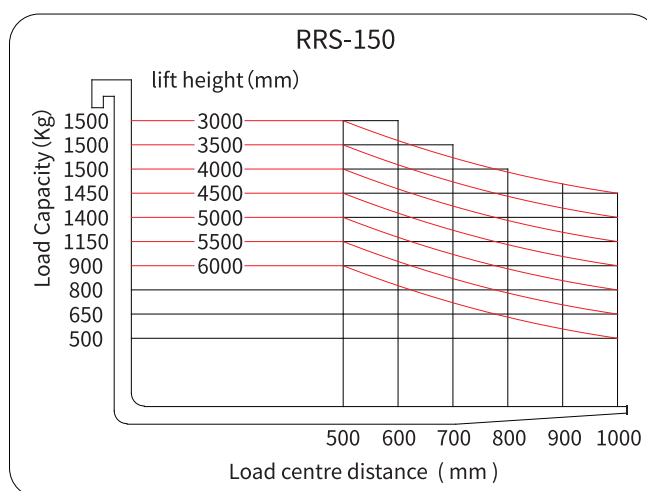
Two-stage mast

Lift	h3(mm)	3000	3500	4000
Height of mast, lowered	h1(mm)	1995	2245	2495
Height of mast, extended	h4(mm)	3885	4385	4885
Free lift	h2(mm)	415	415	415

Structural Diagram



Load curve graph



Dentification	1.1	Manufacturer		NOBLELIFT	NOBLELIFT
	1.2	Model		RRS-150	RRS-180
	1.3	Drive		Electric	Electric
	1.4	Operator type		Stand	Stand
	1.5	Load capacity / rated load	Q (kg)	1500	1800
	1.6	Load centre	c (mm)	500	500
	1.8	Load distance, centre of support arm wheel to face of forks	x (mm)	400/175	550/175
	1.9	Wheelbase	y (mm)	1365	1515
Weights	2.1	Service weight including battery	kg	3200	3280
	2.3	Axle load, mast retracted without load, drive/support arm wheel	kg	2020/1180	2124/1156
	2.4	Axle load, mast extended with load, drive/support arm wheel	kg	705/3950	595/4685
	2.5	Axle load, mast retracted with load, drive/support arm wheel	kg	1877/2823	1930/3350
Wheels	3.1	Drive/support arm wheel		PU	PU
	3.2	Wheel size, front	Øxw (mm)	310 x120	310 x120
	3.3	Wheel size, rear	Øxw (mm)	254 x 120	254 x 120
	3.4	Wheel size,Rear, Caster	Øxw (mm)	150 x 80	150 x 80
	3.5	Wheels, number front/rear (x=driven wheels)		2/1x+2	2/1x+2
	3.7	Track width, rear	b11 (mm)	970	970
Dimensions	4.1	Tilt of fork, forward/backward	α/β(°)	4°/-2°	4°/-2°
	4.2	Height, mast extended	h1 (mm)	1995	1995
	4.3	Free lift	h2 (mm)	415	415
	4.4	Lift height	h3 (mm)	3000	3000
	4.5	Extended mast height	h4 (mm)	3885	3885
	4.7	Height of overhead guard (cab)	h6 (mm)	2260	2260
	4.8	Platform height	h7 (mm)	260	260
	4.10	Height of support arms	h8 (mm)	275	275
	4.15	Height of lowered forks	h13 (mm)	40	40
	4.19	Overall length	l1 (mm)	2085	2085
	4.20	Length to face of forks	l2 (mm)	1165	1165
	4.21	Overall width	b1 (mm)	1090	1090
	4.22	Fork dimensions	s/e/l (mm)	35/100/920	35/100/920
	4.23	Fork carriage ISO 2328, class/type A, B		2/A	2/A
	4.25	Width across forks	b5 (mm)	220-730	220-730
	4.26	Distance between support arms	b4 (mm)	750	750
	4.28	Reach distance	l4 (mm)	575	725
	4.31	Ground clearance, with load, below mast	m1 (mm)	80	80
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	80	80
	4.33	Aisle width for pallets 1100 x 1100	Ast(mm)	2650	2700
	4.35	Turning radius	Wa (mm)	1605	1755
	4.37	Length across support arms	l7 (mm)	1705	1855

Type sheet for industrial truck acc. to VDI 2198					No.2025.10.24
Performance data	5.1	Travel speed, with/without load	km/h	10/10	10/10
	5.2	Lift speed, with/without load	m/s	0.30/0.56	0.30/0.56
	5.3	Lowering speed, with/without load	m/s	0.50/0.55	0.50/0.55
	5.4	Reach speed, with/without load	m/s	0.22 / 0.24	0.22 / 0.24
	5.8	Max. gradeability, with/without load	%	10/10	10/10
	5.10	Service brake		Hydraulic/electric	Hydraulic/electric
Electric motor	6.1	Drive motor rating S2 60 min	kW	4.9	4.9
	6.2	Lift motor rating S3 15%	kW	8	8
	6.4	Battery voltage, nominal capacity K5	V/Ah	48/280	48/375
	6.5	Battery weight	kg	515	545
Other	8.1	Electric and controller		AC	AC
	8.4	Sound level at the driver' s ear according to EN 12 053	dB(A)	60	60

Get in touch for sales & enquiries

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