WE PROMISE | WE DELIVER

RT20SP

Stand-Up Pantograph Reach Truck Capacity 2000KG - 4400lbs

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SERIES

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Productive. Solid. Smart.



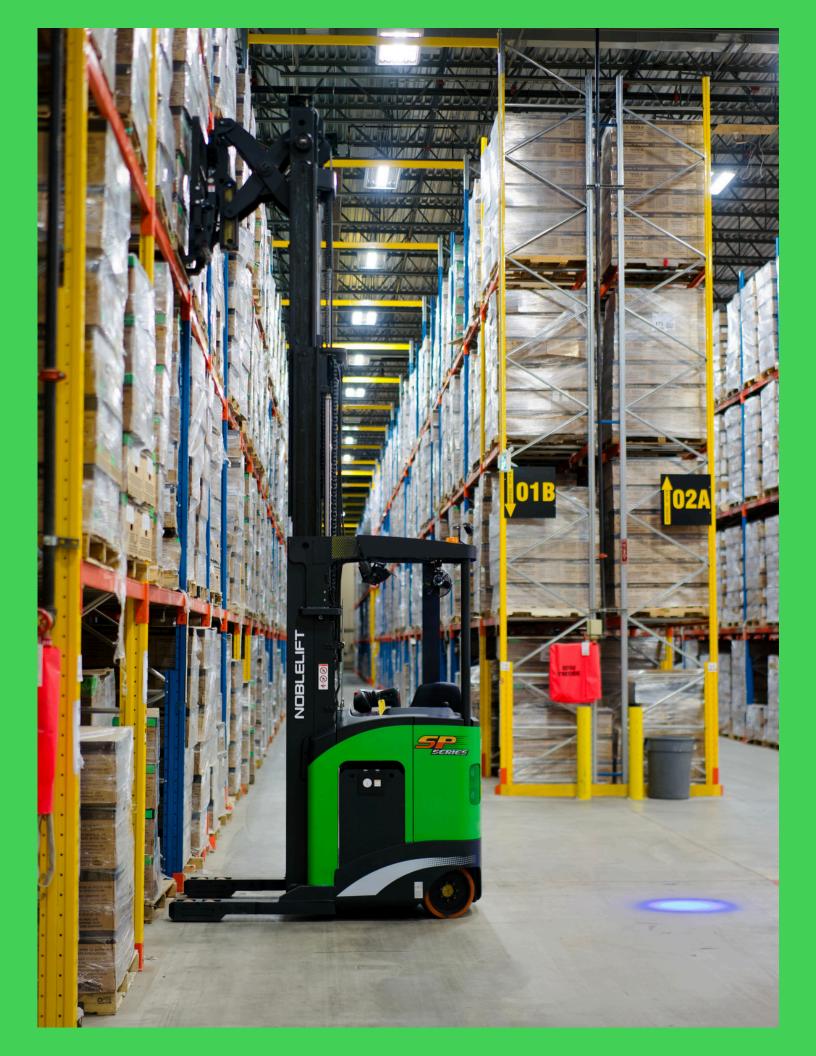
RT20SP

The RT20SP Lithium Single & Double Scissor Stand-Up Pantograph Reach Trucks are designed for narrow aisle operation, offering lift heights from 177" to 452" and fork reach distances from 22.4" to 41.7". Featuring high-speed lifting and lowering, these reach trucks are powered by a lithium battery for multi-shift operation. With exceptional maneuverability and impressive high-reach capabilities, they are the perfect solution for demanding applications requiring efficient material handling in tight spaces and at elevated heights.

Highlights

- American Curtis Intelligent Computer Control system
- 36V fully electric AC system
- Lithium battery: 36V/560Ah & Charger: 36V/200A
- Large LED display showing lifting weight, height, speed, power, steering, fault codes, alarms, and more
- Fast charging in just 2.5 hours
- On-board Curtis self-diagnostics system
- Fork tilt leveling for smooth operation
- Side shifter for easy load positioning
- Travel speed: 5.9mph (unloaded), 5.6mph (loaded)
- Automatic speed reduction during turns for enhanced safety
- 📀 Cold store package





<image>

Exceptional Design, Unmatched Performance

Automatic speed reduction during turns enhances safety, stability, and operator comfort while minimizing the risk of product damage.





Dual independent AC drive motors with separate controllers enhance maneuverability for smooth and precise turning. Advanced AC drive and gearbox technology ensure accurate control and optimal travel speed.





A single-button tilt control system enhances safety by restricting cargo tilt when the forks are raised.



The multi-functional handle provides precise control over key vehicle functions, including forward and backward travel speed, side shifting, and proportional lifting and lowering.



The compact, ergonomic steering wheel with a knob ensures comfortable and effortless operation.



The floor suspension system adjusts to the operator's weight, reducing impact and vibration for a smoother ride.



The adjustable backrest and hip pad are designed to contour the body, providing optimal comfort for the operator throughout the entire shift.



The adjustable armrest ensures maximum comfort for operators of all heights.



Innovative Design, Superior Performance

- The scissor structure ensures smooth extension while reducing vibration and sway.
- Seamless movement transitions are achieved through balanced shear force, providing powerful torque. At a maximum height of 452", it effortlessly lifts up to 1,200 lbs.
- The compact folding design minimizes the truck's footprint, optimizing space efficiency.
- A cushioned end-of-retraction system reduces impact and enhances stability.



The cab design, open-view mast, and overhead guard provide the operator with a clear line of sight to the load and surroundings, enhancing efficiency and safety.



RT15/20SP (Single Reach)
Fork reaching distance- 22.4"
RT15DP (Double Reach)
Fork reaching distance 41.7"



The wireless mast-mounted fork view camera with HDMI color monitor offers an unobstructed view of the pallet and racking, boosting productivity and enhancing safety.

Trustworthy Performance and Safety



The emergency power button instantly disconnects power in critical situations, ensuring the safety of both the operator and the cargo.



Features LED headlights, a safety blue light, and a buzzer to ensure safe operation while driving.

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The dual-brake/presence pedal system enhances safety by preventing the forklift from moving unless both pedals are pressed.

Lithium Smart Cloud Platform

- The wireless 4G advanced battery monitoring system enables remote tracking of battery performance and system data.
- The Smart Cloud platform continuously monitors the battery's operational status, ensuring the safety of both personnel and equipment.

	< Ganfeng lithium clou 💮 – 🌀	< Ganfeng lithium clou					
	Time: 2023-10-11 12:59:07 Location: Shah Alam Status: Discharging	Total Uptime 652/小时	Total Chg Dur. 639/小时				
		Monthly run trend					
		0	2023-10 ③				
Inc.	(68%)	Monthly Uptime:4	40.2h Monthly Chg Dur.:50.2h				
	soc	Time(h)					
		180	1				
	Spot Check	120-					
	Sporcheck /	60 -					
•	Alarm none	30-					
	Voltage 52.8V	05月 06月	07月 08月 09月 10月 1				
	Current 0	Date Time	Duration SOC				
a state of the second s	Voltage(mv)	10-11 10:37:31	56min 80.1% - 69.2%				
	3,310 3334	10-11 09:07:20	1min 80.5% - 80.2%				
Antores and anton	3.305-	10-11 08:34:40	17min 84.2% - 80.6%				
	3.300	10-11 07:04:08	78min 99.9% - 84.3%				
(And a second second	3.290 #1 #2 #3 #4 #5 #6 #7 #8 #9 #10#11#12#13#14#15#16	10-11 00:59:00	64min 48%-99.9%				





The large LED screen provides easy access to vital information, displaying lifting weight, height, speed, power, steering, fault codes, alarms, and more.



 Large capacity battery for multiple shift operation.
Side extraction reduces maintenance time.





- A low step height and a wide entry is ideal for operators who are frequently getting on and off the forklift.
- USB connector for charging and powering of additional devices during operations.

Advantages Lithium-ion Power

Effortless Charging for Continuous Operation

The fast-charging, maintenance-free lithium battery reaches a full charge in just 2.5 hours. It supports opportunity charging during breaks and shift changes, enabling the truck to operate seamlessly through multi-shift schedules without the need for battery replacements.

- 36V/560Ah Lithium-iron battery has connection terminals with screws and is protected inside the steel case.
- 36V/200A Charger included standard.

Designed for Operator Comfort and Control

Noblelift utilizes lithium-ion phosphate batteries, known for their exceptional longevity and safety. These lithium-iron batteries feature a Battery Management System (BMS), a thermal management system, and an automotive-grade DC high-voltage control system.

RT20SP Stand-Up Reach Trucks have a **10-year** or **20,000 hours warranty** on the lithium-ion battery cells.





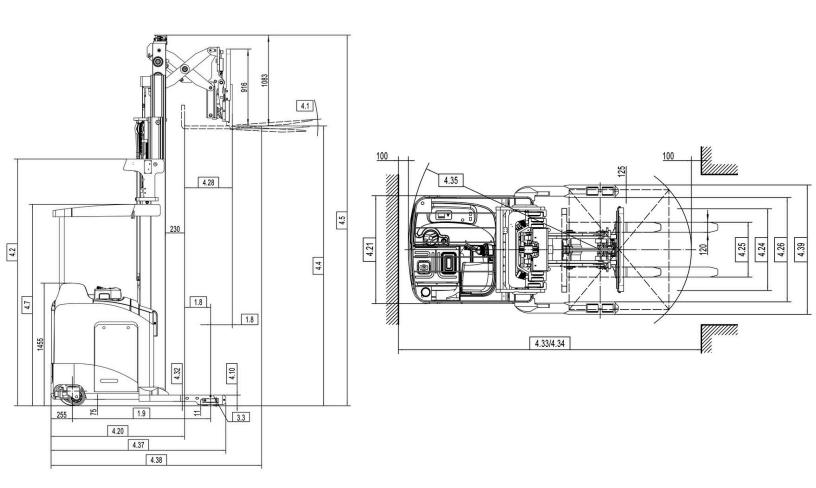
Identif	ication							
1.1	Manufacturer				NOBLEL	.IFT		
1.2	Model				RT20SP			
1.3	Prime Mover				electric			
1.4	Operator type				stanc	1		
1.5	Load capacity		1.5 kg / lb			4400		
1.6	Load centre		1.6	mm / in	600	24		
1.8	Load distance		1.8	mm / in	See Tab	le 2		
1.9	Wheelbase		1.9	mm / in	See Tab	le 2		
2.1	Weight	less battery		kg / lb	See Tab	le 1		
Tires								
3.1	Тіге Туре	load, castor, drive			Pol			
3.2	Tires	power unit side, drive		mm / in	Ø343x140	Ø13.5x5.5		
3.3	Tires	load side, standard wheel		mm / in	Ø127x74	Ø5x2.9		
3.4	Castor Wheel	size		mm / in	Ø205x101	Ø8x4		
3.5	Wheels, (x=driven wheels)	number power unit side/load side			1x, 4 / 1	1x, 4 / 1		
3.6	Tread width	power unit side	3.6	mm / in	800	31.5		
	Dimensions							
4.1	Tilt: Forkcarriage	forward/backward	angle	deg	3/4			
4.20	Mast Lowered Height	collapsed height	4.2	mm / in	See Ta			
4.3	Free lift		4.3	mm / in	See Ta			
4.4	Lift height		4.4	mm / in	See Ta			
4.5	Extended mast height		4.5	mm / in	See Ta			
4.7	Overhead Guard Height	overhead guard (cabin)	4.7	mm / in	See Ta			
4.1	Outrigger Height	std. wheel / Ø 102 / Ø 127 / Ø 152	4.1 4.2	mm / in	125	4.9		
4.2	Headlength	power unit eide		mm / in	See Ta			
4.21	Width Overall	power unit side standard / optional lengths	4.21	mm / in	1080	42.5		
4.22	Fork Dimensions Fork Carriage	DIN 15173 class/form A, B	thxwxl	mm / in	40x100x1070 2A	1.5X4X42		
4.23	Fork Carriage Width	incl. load backrest	4.04	mm / in	820	32.3		
4.24	Width Across Forks	with sideshifter / w.o. sideshifter	4.24	mm / in	200-760	7.9-29.9		
4.26	Inside Straddle	in 25 mm increments		mm / in	200-700 See Ta			
4.28	Reach	with sideshifter / w.o. sideshifter	4.26 4.28		570	22.4		
4.32	Ground Clearance	centre wheelbase		mm / in	50	2		
4.33	Working Aisle Width	1000 x 1200 traverse		mm / in	See Ta			
4.34	Working Aisle Width	800 x 1200 length	Ast Ast	mm / in	See Table 2			
4.35	Turning Radius		Wa	mm / in	See Ta			
4.37	Length over Outriggers		4.37	mm / in	See Ta			
4.38	Length Overall		4.38	mm / in	See Tal	ble 2		
4.39	Width outrigger		4.39	mm / in	See Ta			
Perforn	nance Data							
5.1	Travel speed - standard			km/h/mph	9/9.5	5.6/5.9		
5.2	Lift Speed	w./w.o. load		m/s /fps	0.35/0.5	1.15/1.64		
5.3	Lower Speed	w./w.o. load		m/s /fps	0.50/0.50	1.64/1.64		
5.4	Reach Speed	w./w.o. load		m/s /fps	0.15/0.15	0.49/0.49		
5.8	Max. Gradeability	w. load		%	5			
5.1	Brakes	service - applied / released & parking			Elec	ctric		
Motors								
6.1	Traction Motor	(60 min. rating)		kW	5.5			
6.2	Lift Motors	(15% on time)		kW	11			
6.3	Max. Battery Size	DIN 43531/35/36 A, B, C, no	lxwxh	mm / in	See Tat	ble 2		
6.4	Lead-acid Battery Voltage	nominal capacity 5h		V/Ah	See Tat	ole 2		
6.5	Lithium Battery Voltage	nominal capacity 2h		V/Ah	See Tat			
6.6	Battery weight	minimum		kg / lb	See Tat			
8.1	Type of Controller				AC	;		

Та	Table 1 - RT20SP Series Specifications																		
	Туре			20SF	4500	20SP	4920	20SF	•5330	20SI	P6100	20SF	96400	20SP	6500	20SF	P6855	20SP	7500
2.1	RT20SP	В	kg / lb	3894	8585	3950	8708	3970	8752	4090	9017	4120	9083	4140	9127	4185	9226	4260	9392
		С		4014	8849	4070	8973	4090	9017	4210	9281	4240	9348	4260	9392	4305	9491	4380	9656
		D		4149	9147	4205	9270	4225	9315	4345	9579	4375	9645	4395	9689	4440	9789	4515	9954
		Е		4274	9423	4330	9546	4350	9590	4470	9855	4500	9921	4520	9965	4565	10064	4640	10229
4.2	Mast Lowered Height	4.2	mm / in	2260	89	2415	95.1	2465	97	2780	109.4	2880	113.4	2940	115.7	3075	121.1	3274	128.9
4.26	Inside Straddle	4.26	mm / in	1045	41.1	1045	41.1	1045	41.1	1045	41.1	1045	41.1	1045	41.1	1045	41.1	1045	41.1
4.26	Inside Straddle (Narrow)	4.26	mm / in	830	32.7	830	32.7	830	32.7	830	32.7	830	32.7	830	32.7	830	32.7	830	32.7
4.3	Free Lift	4.3	mm / in	1340	52.8	1495	58.9	1545	60.8	1860	73.2	1960	77.2	2020	79.5	2155	84.8	2354	92.7
4.39	Width outrigger	4.39	mm / in	1295	51	1295	51	1295	51	1295	51	1295	51	1295	51	1295	51	1295	51
4.39	Width outrigger (Narrow)	4.39	mm / in	1080	42.5	1080	42.5	1080	42.5	1080	42.5	1080	42.5	1080	42.5	1080	42.5	1080	42.5
4.4	Lift Height	4.4	mm / in	4500	177.2	4920	193.7	5330	209.8	6100	240.2	6400	252	6500	255.9	6855	269.9	7500	295.3
4.5	Mast	4.5	mm / in	5587	220	6007	236.5	6417	252.6	7187	283	7487	294.8	7587	298.7	7942	312.7	8587	338.1
4.7	Height	4.7	mm / in	2260	89	2415	95.1	2415	95.1	2415	95.1	2415	95.1	2415	95.1	2415	95.1	2415	95.1
Cor	tinuation																		
				20SP	8500	20SF	9500	20SP	10500	20SP	11000	20SP	11500						
2.1	RT20SP	В	kg / lb	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
		С		4500		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
		D			10218		10483		n/a	n/a	n/a	n/a	n/a						
		Е			10494						11464		11596						
4.2	Mast Lowered Height	4.2	mm / in	3606	142	3940	155.1	4274	168.3	4720	185.8	4887	192.4						
4.26	Inside Straddle	4.26	mm / in	1045	41.1	1045	41.1	1045	41.1	1205	47.4	1205	47.4						
4.26	Inside Straddle (Narrow)	4.26	mm / in		32.7	830	32.7	830	32.7	/	/	/	/						
4.3	Free Lift	4.3	mm / in	2686	105.7	3020	118.9	3354	132	3800	149.6	3967	156.2						
												4455	E7 0						
4.39	Width outrigger	4.39	mm / in	1295	51	1295	51	1295	51	1455	57.3	1455	57.3						
	Width outrigger Width outrigger (Narrow)	4.39 4.39	mm / in mm / in			1295 1080		1295 1080		1455 /	57.3 /	1455	57.3						
			mm / in		42.5		42.5	1080	42.5	/	/	1455 / 11500	/						
4.39	Width outrigger (Narrow)	4.39	mm / in	1080 8500	42.5 334.6	1080 9500	42.5 374	1080 10500	42.5 413.4	/ 11000	/ 433.1	/ 11500	/ 452.8						
4.39 4.4	Width outrigger (Narrow) Lift Height	4.39 4.4	mm / in mm / in	1080 8500 9587	42.5 334.6 377.4	1080 9500 10587	42.5 374 416.8	1080 10500 11587	42.5 413.4 456.2	/ 11000	/ 433.1 475.9	/ 11500	/ 452.8						

	Туре			В			С	ſ	C	E			
1.8	Load Distance	1.8	mm / in	305/265	12/10.4	305/265	12/10.4	305/265	12/10.4	305/265	12/10.4		
1.9	Wheel Base	1.9	mm / in	1550	61	1550	61	1600	63	1650	65		
4.20	Headlength	4.2	mm / in	1500	59.1	1500	59.1	1550	61	1600	63		
4.33	Working Aisle W.1000x1200 traverse	4.33	mm / in	2945	115.9	2945	115.9	2995	117.9	3045	119.9		
4.34	Working Aisle W.800x1200 length	4.34	mm / in	3005	118.3	3005	118.3	3055	120.3	3105	122.2		
4.35	Turning Radius	4.35	mm / in	1825	71.9	1825	71.9	1875	73.8	1925	75.8		
4.37	Length over Outriggers	4.37	mm / in	1985	78.1	1985	78.1	2035	80.1	2085	82.1		
4.38	Length Overall	4.38	mm / in	2570	101.2	2570	101.2	2620	103.1	2670	105.1		
6.3	Max. Battery Size	lxwxh	mm / in	360x980x785	14.2x38.6x30.9	410x980x785	16.1x38.6x30.9	457x980x785	18x38.6x30.9	500x980x785	19.7x38.6x30.9		
6.4	Lead-acid Battery Voltage		V/Ah	36V/600AH	36V/600AH	36V/700AH	36V/700AH	36V/800AH	36V/800AH	36V/900AH	36V/900AH		
6.5	Lithium Battery Voltage		V/Ah	36V/560AH	36V/560AH	36V/560AH	36V/560AH	36V/560AH	36V/560AH	36V/560AH	36V/560AH		
6.6	Battery Weight		kg / lb	780	1720	900	1984	1025	2260	1140	2513		

Table 3 - RT20SP Series Specifications

	SP4500/177.2	SP4920/193.7	SP5330/209.8	SP6100/240.2	SP6400/252	SP6500/255.9	SP6855/269.9	SP7500/295.3	SP8500/334.6	SP9500/374
в	RT20SP4500B	RT20SP4920B	RT20SP5330B	RT20SP6100B	RT20SP6400B	RT20SP6500B	RT20SP6855B	RT20SP7500B	n/a	n/a
С	RT20SP4500C	RT20SP4920C	RT20SP5330C	RT20SP6100C	RT20SP6400C	RT20SP6500C	RT20SP6855C	RT20SP7500C	RT20SP8500C	n/a
D	RT20SP4500D	RT20SP4920D	RT20SP5330D	RT20SP6100D	RT20SP6400D	RT20SP6500D	RT20SP6855D	RT20SP7500D	RT20SP8500D	RT20SP9500D
Е	RT20SP4500E	RT20SP4920E	RT20SP5330E	RT20SP6100E	RT20SP6400E	RT20SP6500E	RT20SP6855E	RT20SP7500E	RT20SP8500E	RT20SP9500E
	SP10500/413.4	SP11000/433.1	DP11500/452.8							
В	n/a	n/a	n/a							
С	n/a	n/a	n/a							
D	n/a	n/a	n/a							
Е	RT20SP10500E	RT20SP11000E	RT20SP11500E							



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