# NOBLELIFT CANADA\*

# RT15SP

Stand-Up Pantograph Reach Truck Capacity 1500KG - 3300lbs





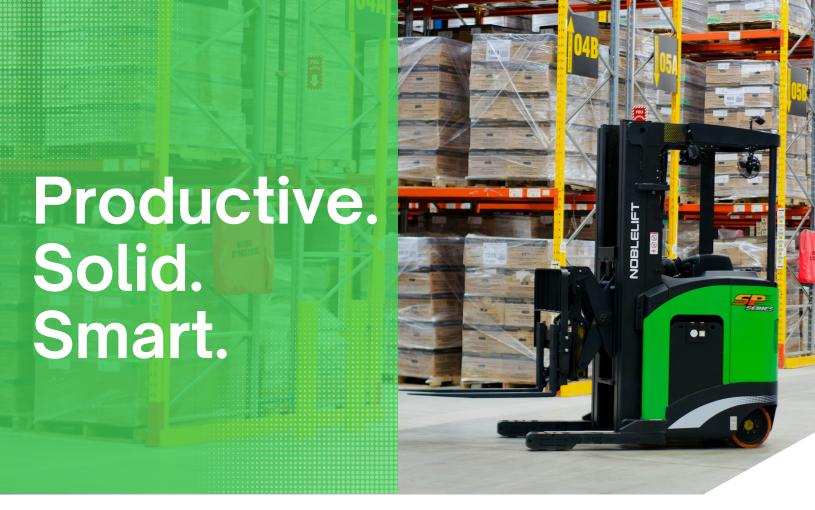










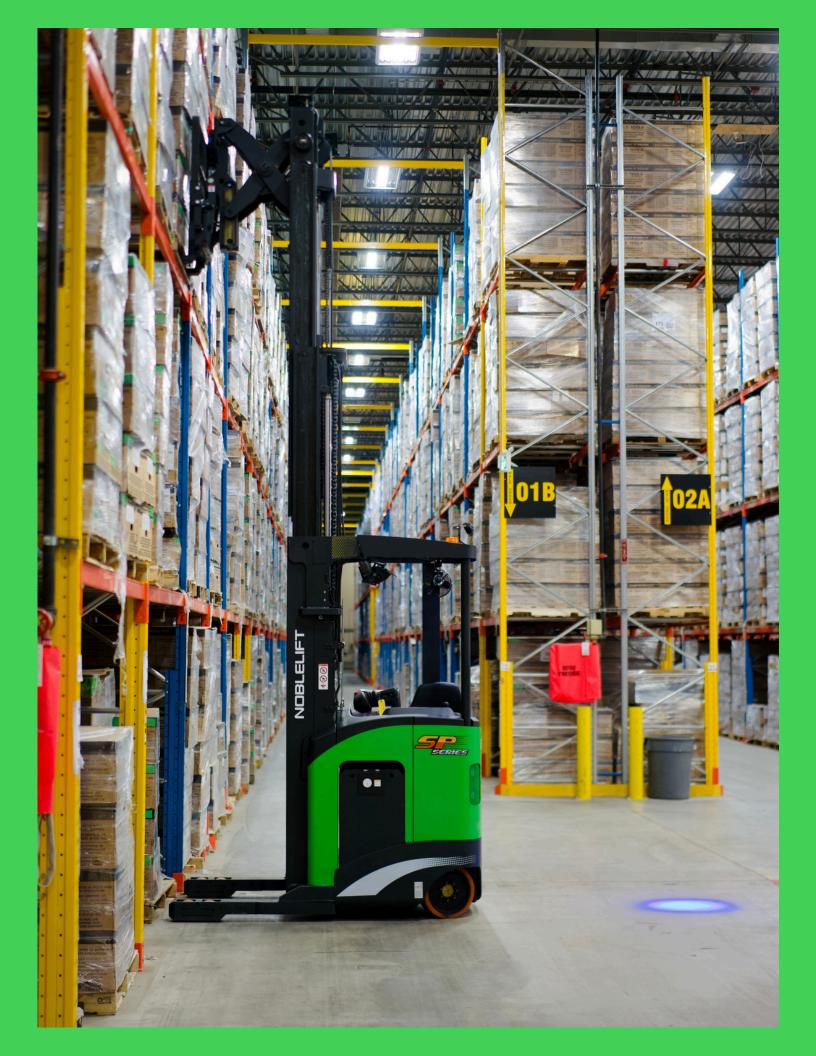


#### RT15SP

The RT15SP 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





# Exceptional Design, Unmatched Performance

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

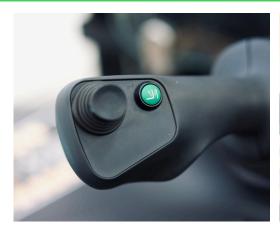




### Enhanced Maneuverability and Precision Control

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.





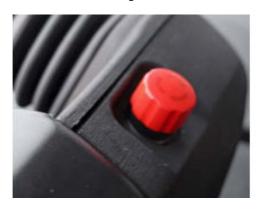
The cab design, open-view mast, and overhead guard provide the operator with a clear line of sight to the load and surroundings, enhancing efficiency and safety.





- 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.

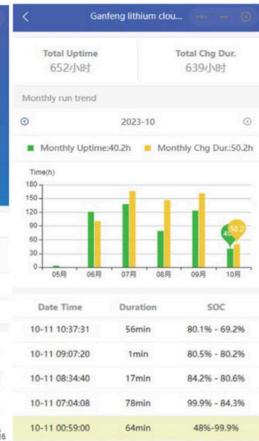


The dual-brake/presence pedal system enhances safety by preventing the forklift from moving unless both pedals are pressed.

#### 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.









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.



# **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.

RT15SP Stand-Up Reach Trucks have a **10-year** or **20,000 hours warranty** on the lithium-ion battery cells.





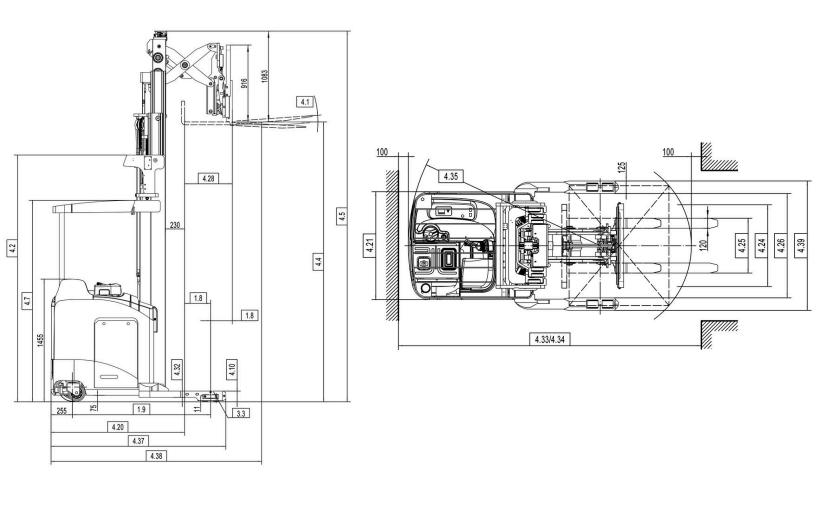
Identifi	cation						
1.1	Manufacturer				NOBLEL	.IFT	
1.2	Model				RT15SP		
1.3	Prime Mover				electric		
1.4	Operator type				stand		
1.5	Load capacity		1.5	kg / lb	1500	3300	
1.6	Load centre		1.6	mm / in	600	24	
1.8	Load distance		1.8	mm / in	See Tab		
1.9	Wheelbase		1.9	mm / in	See Tab		
2.1	Weight	less battery		kg / lb	See Tab		
Tires		,					
3.1	Tire Type	load, castor, drive			Pol	v	
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	
Basic D	Dimensions						
4.1	Tilt: Forkcarriage	forward/backward	angle	deg	3/4	1	
4.20	Mast Lowered Height	collapsed height	4.2	mm / in	See Tal		
4.3	Free lift		4.3	mm / in	See Tal		
4.4	Lift height		4.4	mm / in	See Tal		
4.5	Extended mast height		4.5	mm / in	See Tal		
4.7	Overhead Guard Height	overhead guard (cabin)	4.7	mm / in	See Tal		
4.1	Outrigger Height	std. wheel / Ø 102 / Ø 127 / Ø 152	4.1	mm / in	125	4.9	
4.2	Headlength		4.2	mm / in	See Tal		
4.21	Width Overall	power unit side	4.21	mm / in	1080	42.5	
4.22	Fork Dimensions	standard / optional lengths	thxwxl	mm / in	40x100x1070	1.5X4X42	
4.23	Fork Carriage	DIN 15173 class/form A, B	UIXWXI		2A		
4.24	Fork Carriage Width	incl. load backrest	4.24	mm / in	820	32.3	
4.25	Width Across Forks	with sideshifter / w.o. sideshifter		mm / in	200-760	7.9-29.9	
4.26	Inside Straddle	in 25 mm increments	4.26		See Tal	ble 1	
4.28	Reach	with sideshifter / w.o. sideshifter	4.28	mm / in	570	22.4	
4.32	Ground Clearance	centre wheelbase	4.32	mm / in	50	2	
4.33	Working Aisle Width	1000 x 1200 traverse	Ast	mm / in	See Tal	ole 2	
4.34	Working Aisle Width	800 x 1200 length	Ast	mm / in	See Tab		
4.35	Turning Radius	,	Wa	mm / in	See Tal		
4.37	Length over Outriggers		4.37	mm / in	See Tal	ole 2	
4.38	Length Overall		4.38	mm / in	See Tal	ole 2	
4.39	Width outrigger		4.39	mm / in	See Tal	ole 1	
Perform	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	etric	
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 Tab	ole 2	
6.4	Lead-acid Battery Voltage	nominal capacity 5h		V/Ah	See Tab		
6.5	Lithium Battery Voltage	nominal capacity 2h		V/Ah	See Tab		
6.6	Battery weight	minimum		kg / lb	See Tab		
8.1	Type of Controller				AC	;	

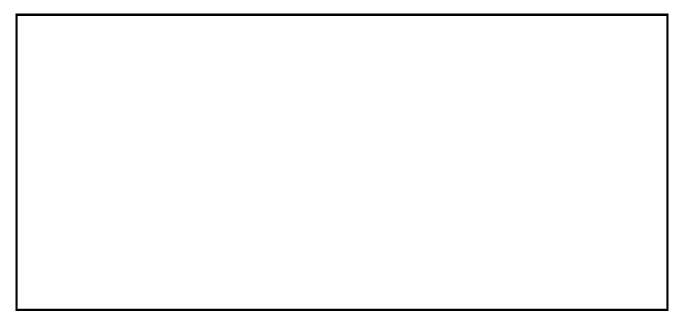
Та	ble 1 - RT15SP	Sei	ries	Spec	ificat	ions													
	Туре			SF	4500	SP4	920	SP5	330	SP6	100	SP	6400	SP	6500	SP6	855	SP	7500
2.1	RT15SP	В	kg / lk	3550	7826	3590	7915	3610	7959	3700	8157	3730	8223	3750	8267	3785	8344	3850	8488
		С		3670	8091	3710	8179	3730	8223	3820	8422	3850	8488	3870	8532	3905	8609	3970	8752
		D		3800	8378	3840	8466	3860	8510	3950	8708	3980	8774	4000	8818	4035	8896	4100	9039
		Е		3920	8642	3960	8730	3980	8774	4070	8973	4100	9039	4120	9083	4155	9160	4220	9304
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
Con	tinuation																		
				SP	8500	SP9	500	SP1	0500										
2.1	RT15SP	В	kg / lb	3950	8708	n/a	n/a	n/a	n/a										
		С		4070	8973	4170	9193	n/a	n/a										
		D		4200	9259	4300	9480	4400	9700										
		Е		4320	9524	4420	9744	4520	9965										
4.2	Mast Lowered Height	4.2	mm /	in 3606	142	3940	155.1	4274	168.3										
4.26	Inside Straddle	4.26	mm /	in 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										
4.3	Free Lift	4.3	mm /	in 2686	105.7	3020	118.9	3354	132										
4.39	Width outrigger	4.39	mm /	in 1295	51	1295	51	1295	51										
4.39	Width outrigger (Narrow)	4.39	mm /	in 1080	42.5	1080	42.5	1080	42.5										
4.4	Lift Height	4.4	mm /	in 8500	334.6	9500	374	10500	413.4										
4.5	Mast	4.5	mm /	in 9587	377.4	10587	416.8	11587	456.2										
4.7	Height	4.7	mm /	in 2415	95.1	2415	95.1	2415	95.1										
Та	ble 2 - RT15SP	Se	ries	Spec	ificat	ions	;												
	Туре					В	3				С				D			E	
1.8	Load Distance		1.8	mm / in	305/2	265	12/1	10.4	30	5/265	1:	2/10.4	30:	5/265	12/10	0.4	305/26	5 12	2/10.4
1.9	Wheel Base		1.9	mm / in	155	50	6	1	1	550		61	1	600	63		1650		65

	туре					C		L	,			
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	2580	101.6	2580	101.6	2630	103.5	2680	105.5	
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	

٦	Table 3 - RT15SP Series Specifications									
Г	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	RT15SP4500B	RT15SP4920B	RT15SP5330B	RT15SP6100B	RT15SP6400B	RT15SP6500B	RT15SP6855B	RT15SP7500B	RT15SP8500B	n/a
С	RT15SP4500C	RT15SP4920C	RT15SP5330C	RT15SP6100C	RT15SP6400C	RT15SP6500C	RT15SP6855C	RT15SP7500C	RT15SP8500C	RT15SP9500C
D	RT15SP4500D	RT15SP4920D	RT15SP5330D	RT15SP6100D	RT15SP6400D	RT15SP6500D	RT15SP6855D	RT15SP7500D	RT15SP8500D	RT15SP9500D
E	RT15SP4500E	RT15SP4920E	RT15SP5330E	RT15SP6100E	RT15SP6400E	RT15SP6500E	RT15SP6855E	RT15SP7500E	RT15SP8500E	RT15SP9500E
	SP10500/413.4									

	SP10500/413.4	
В	n/a	
С	n/a	
D	RT15SP10500D	
Ε	RT15SP10500E	





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