

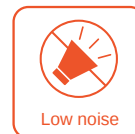
www.nobleliftna.com

NOBLELIFT
NORTH AMERICA

LITHIUM

OP8.5

850 lbs. Capacity
Lithium Order Picker



Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**



HIGHLIGHTS

- ▶ American Curtis Travel Controller with CAN-bus control
- ▶ High performance AC drive motor and DC lifting motor
- ▶ Lithium battery: 24V/80Ah with Built-in 24V/25Ah charger
- ▶ Loading capacity 850lbs
 - 220lbs load tray
 - 330lbs load deck
 - 300lbs operator compartment
- ▶ EPS-Electric Power Steering system
- ▶ Smart handle with Keyless Pin-Code Panel and RFID Card
- ▶ Electric Lifting and Lowering Buttons
- ▶ High-performance handle with dual-hands sensing operation
- ▶ LCD display: speed, usage time, power, steering, fault code, alarm and more
- ▶ Emergency lowering switch

OP8.5

850 lbs. Capacity
Lithium Order Picker

The OP8.5 Lithium Order Picker is compact, highly efficient and designed for many applications, including narrow aisle. It offers an impressive 850lbs load capacity, zero-turning radius, the ability to pick from both sides of the aisle and is capable of multiple shift operation. Engineered with a low profile, it can easily enter elevators and pass under doorways. Increase your work productivity with this quiet, very low maintenance, ultra-smooth, lithium order picker.

HIGH PERFORMANCE AND HIGH EFFICIENCY



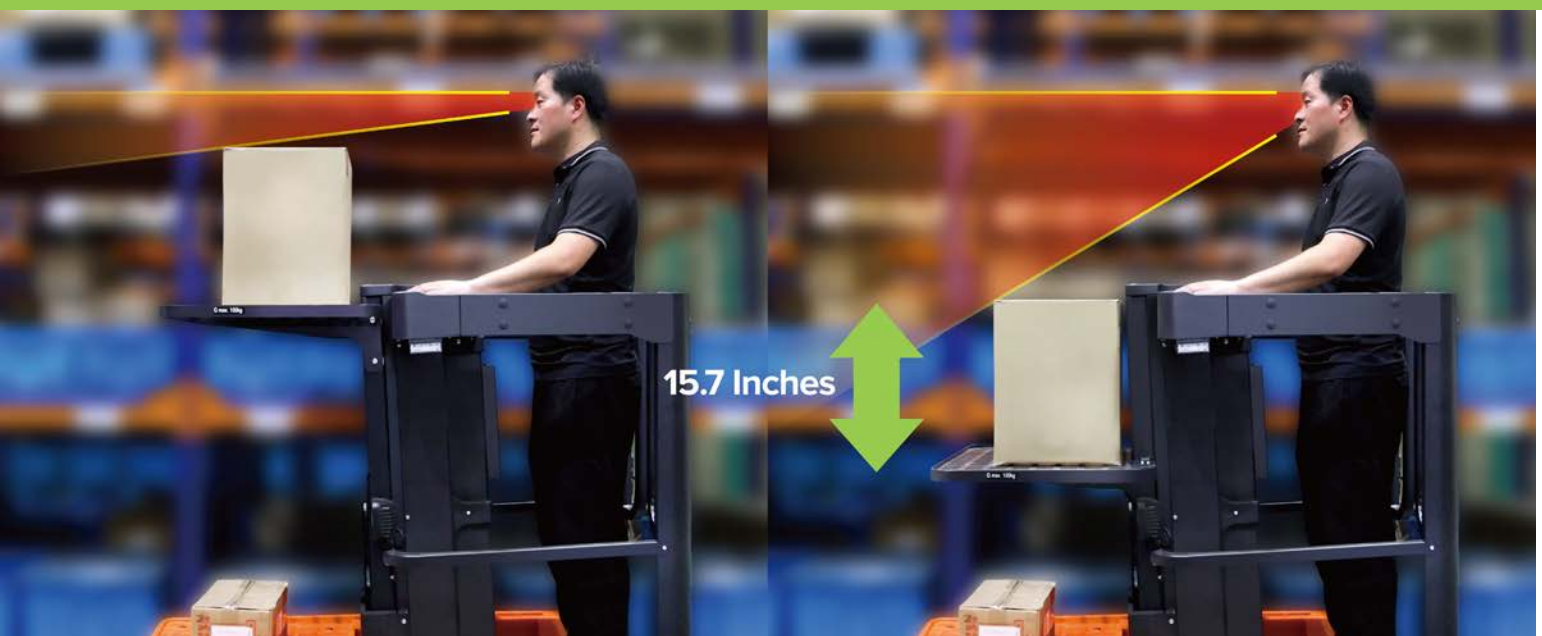
360° Zero-turning radius of 51.2 inches



Can also be used for overhead work and facility maintenance.

The OP8.5 is equipped with a Curtis controller, allowing it to lift, travel and steer simultaneously, while maintaining smooth and safe operation. Dual drive AC motors paired with electric power steering provide superior maneuverability, high performance and low operating/maintenance costs.

GREAT VISIBILITY



Adjustable front shelf can be raised and lowered to ensure operator's field of view is not obstructed.

INTELLIGENT. SAFE. RELIABLE.



LCD display shows safety warnings, speed, steering angle and fault codes for easy operation and troubleshooting.



Keyless PIN code lock or RFID card access simplifies access when several users operate one truck.



Left and right multi-function handles can be customized and provide simultaneous lifting, traveling and steering. Handles are equipped with operator presence buttons to ensure safe operation.



Side lights and headlight provide excellent visibility to operator even in poor lighting conditions. Vehicle is also equipped with a buzzer, warning light, rear light and safety blue light.

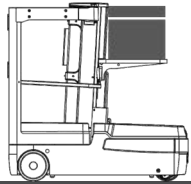
CAN-bus



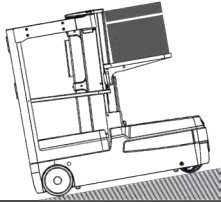
CURTIS

Easily check order picker's condition and troubleshoot with Curtis controller and CAN-bus technology.

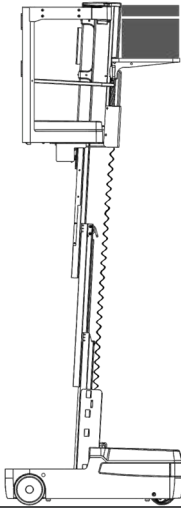
SPEED AND DECELERATION



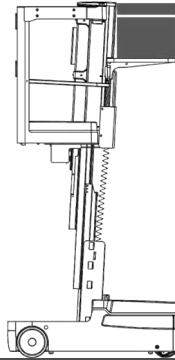
Travel speed 3.8mph



Gradeability, laden 5%



Lifting speed, laden .65ft/s



Lowering speed, laden .68ft/s

Proportional hydraulics provide smooth lifting. The working height can reach 16.8 feet, allowing operator to collect materials from the 3rd level of rack. Driving speed reduces with the increase of height, ensuring safe and stable operation.



Travel speed 3.8mph

Lifting height below 19.6 inches



Travel speed 2mph

Lifting height between 19.6-59 inches



Travel speed .8mph

Lifting height between 59-118 inches

LONG LASTING AND SAFE LITHIUM POWER

NOBLELIFT uses LiFePO4 chemistry, the longest lasting and safest lithium battery chemistry available. Our lithium batteries are equipped with a Battery Management System (BMS), thermal management system, and an automotive-grade DC high-voltage control system. BMS manages charging and discharging data to ensure safety throughout its life cycle.

OP8.5 Lithium order pickers have a 3 year or 6,000 hour warranty on the on the lithium battery cells.

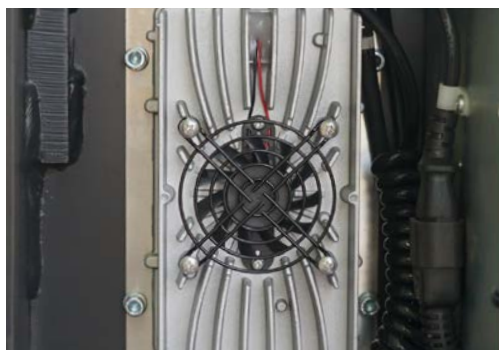


ADVANTAGES OF LITHIUM POWER

Fast-charging maintenance-free
Lithium battery is fully charged in 1-2 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.



24V/80Ah Lithium battery has connection terminals with screws and is protected inside the steel case.



Built-in 24V/25Ah charger provides added convenience.

LITHIUM BATTERY ADVANTAGES

Lead-Acid Battery

Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use

Periodic battery replacement

Outsourced or in-house maintenance personnel required

8-10 Hours - 2 or more batteries per lift truck

Build an expensive battery room with ventilation

Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance

Power loss

Productivity - Memory Effect



Service Life



Ongoing Maintenance



Charge Duration



Battery Room



Dangerous Substances



Power Savings



Lithium Battery

100% Fleet availability - Opportunity charging allows battery to be charged in between use

Batteries last 3 times longer and do not need to be replaced

No maintenance cost

1-2 Hours - 1 Battery per lift truck

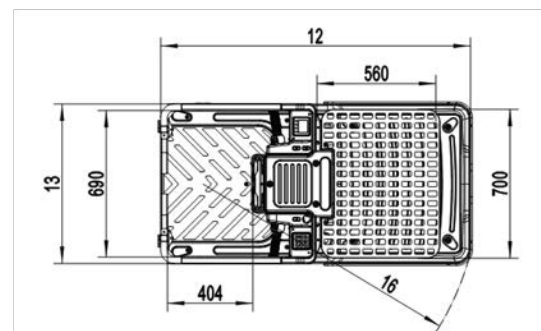
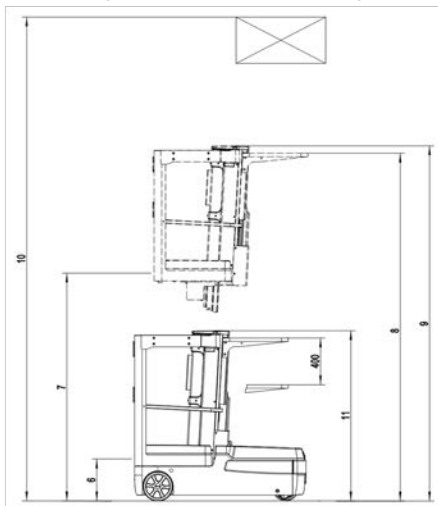
No battery room needed

No dangerous substances

No power loss - Reduces energy consumption by 35%

Identification					
1	Manufacturer			NOBLELIFT	
2	Model			OP8.5	
3	Drive (electric – battery or mains, diesel, petrol, gas, manual)			Electric	
4	Vehicle capacities	Operator compartment	lb	300	
		Load tray shelf	lb	220	
		Load deck	lb	330	
5	Vehicle weight (with battery)		lb	1,521	
6	Platform step height		in	12.5	
Dimensions					
7	Platform lift height		in	130	
8	Platform fully lowered		in	54.9	
	Platform fully raised		in	172	
9	Overall extended height		in	175	
10	Work height		in	202	
11	Overall collapsed height		in	57.2	
12	Vehicle length		in	57.5	
13	Vehicle width		in	29.5	
14	Wheels, number front / rear (x=driven wheels)		in	1 x+2/2	
15	Rear drive wheels (d x w)		in	10 x 3.15	
	Front caster wheels (d x w)		in	8.7 x 2.8	
Performance					
16	Minimum turning radius		in	51.2	
17	Service brakes		h ₁	Regenerative	
18	Parking brake		h ₂	Electric released	
19	Grade clearance, laden / unladen		%	5/8	
20	Travel speed, laden / unladen		mph	0-19.6in 3.8 / 3.8	19.6-59in 2 / 2 59-118in .8 / .8
21	Lift speed, laden / unladen		ft/s	.65 / .72	
22	Lowering speed, laden / unladen		ft/s	.68 / .59	
Batteries					
23	Lead acid batteries (5h) (optional)		V/Ah	24/106	
				2x77.2	
	Energy consumption acc. to VDI cycle		kWh/h	0.41	
24	Li Batteries (standard)		V/Ah	24/80	
				57.3	
25	Charger - built-in (for lead acid option)		Amp	12	
	Charger (Li) - built-in (standard)		Amp	25	
Motor					
26	Drive motor, output S2 60 min.		HP	.87	
27	Lift motor at S3 10% (operator compartment)		HP	2.95	
28	Lift motor (load tray)		HP	1.09	
Others					
29	Type of drive control			AC speed control	
30	Sound pressure level at the driver's seat		dB(A)	69	

NOBLELIFT reserves the right to make technical changes and improvements to our products to maintain or enhance the quality, delivery, and efficiency.



A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium Technology. We manufacture more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

Products include: sit-down forklifts, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers/sweepers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE



STACKERS



POWERED PALLET TRUCKS



SCISSOR LIFTS



TUGGERS



SCRUBBERS

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AUTHORIZED DEALER

