NOBLELIFT
CANADA INC.

WE PROMISE | WE DELIVER

PSE06N-CB

Counterbalanced Stacker

1100lbs. Capacity
LITHIUM

- Lithium battery
- Compact size
- Low service weight
- Eficient operation
- Easy maintenance
- High cost effective
- Low noise

514-697-0117
www.nobleliftcanada.com

HIGHLIGHTS

- American Curtis Travel Controller with CAN-bus control
- 24V DC permanent magnetic drive motor
- Lithium battery: 24V/60Ah
- Built-in charger: 24V/25A 110V
- Fast charging 2.5 hours
- Centered drive motor for excellent stability and traction
- Operator protection plexiglass
- Smart handle with keyless pin-code panel, RFID card and LCD display with battery indicator and hour meter
- Pinwheel turning - drive with tiller in vertical position
- Ergonomic control handle with horn and emergency belly button
- Dual butterfly-style thumb controls for traveling
- Electric lifting and lowering buttons
- Travel speed: 2.9mph (unloaded), 2.8mph (loaded)
- Speed reduction in turns

PSE06N-CB

1,100 lbs. Capacity

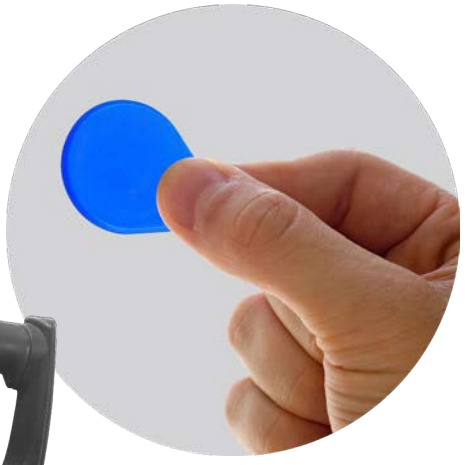
Counterbalanced Stacker

The **PSE06N-CB** Lithium Counterbalanced Stackers have a compact design, a small turning radius and a low service weight. They are designed to work in confined spaces and are ideal for mezzanine applications. They offer strong gradeability, fast speed and their increased ground clearance allows them to work in rough floor conditions. The forks can be adjusted and can adapt to most pallets. Increase your work productivity with these highly maneuverable, very low maintenance counterbalanced stackers.

COMPACT MINI-COUNTERBALANCE STACKER

ERGONOMIC. SAFE. CONVENIENT.

Tiller and Smart Handle – The long ergonomic tiller is easier to steer and it allows operator to work at a safer distance. A multi-function Smart handle with a Curtis controller and CAN-bus technology delivers reliability and superior functionality.



RFDI card provides faster access to equipment and is ideal for applications where one truck is used by multiple operators.

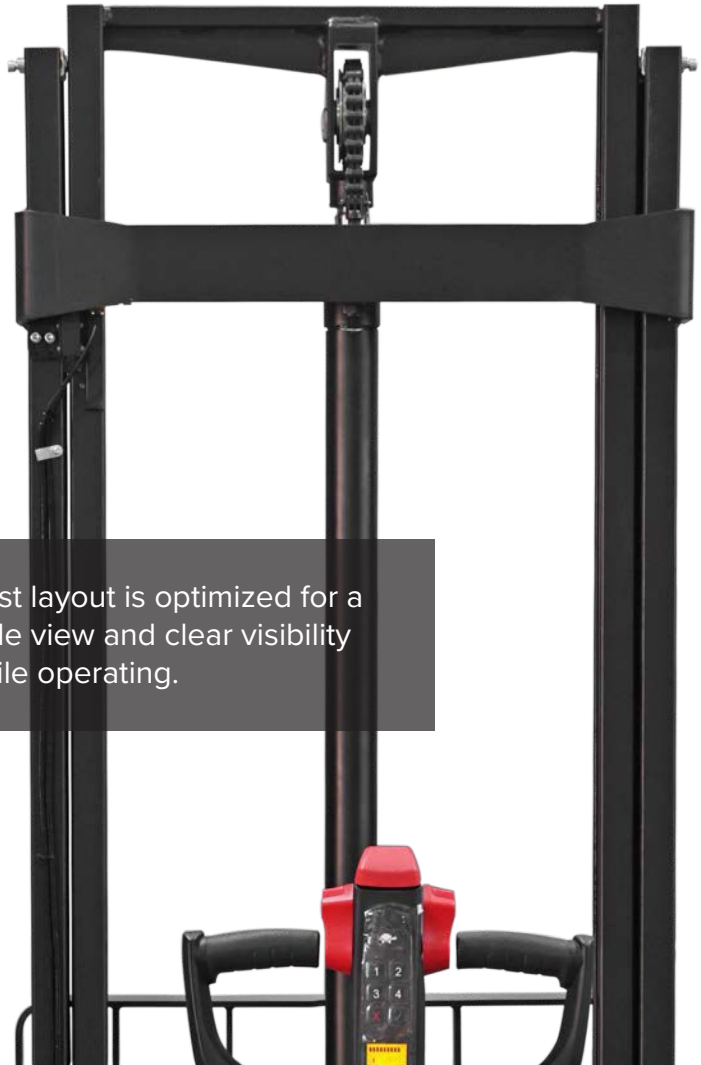
Travel speed: 2.9mph unloaded, 2.8 loaded

Automatic deceleration while turning, improves safety and stability while preventing product damage.

Pinwheel turning allows for tight turns. The stacker can be driven with the tiller in the vertical position.

HIGH EFFICIENCY AND GREAT VISIBILITY

Built-in charger, emergency stop button, and USB connector for charging and powering of additional devices during operations.



Mast layout is optimized for a wide view and clear visibility while operating.

The PSE06N-CB Lithium Counterbalanced Stacker can easily fit into a cargo lift.

CAN-bus

CURTIS

Easily check condition and troubleshoot with Curtis controller and CAN-bus technology.

LONG LASTING AND SAFE LITHIUM-IRON POWER

NOBLELIFT uses Lithium-Iron Phosphate batteries, the longest lasting and safest lithium battery available. Our lithium-iron 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.

3 YEAR WARRANTY

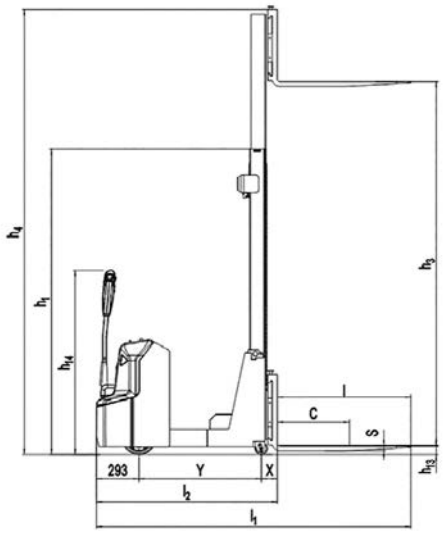
PSE06N-CB-62 Series Stackers have a 3 year or 6,000 hours warranty on the lithium-Iron battery.

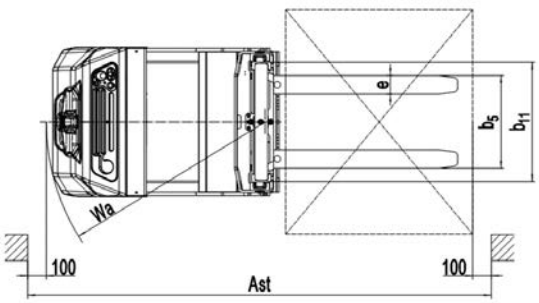
ADVANTAGES OF LITHIUM POWER

LITHIUM BATTERY ADVANTAGES

Lead-Acid Battery		Lithium Battery
Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use	**Productivity - Memory Effect**	100% Fleet availability - Opportunity charging allows battery to be charged in between use
Periodic battery replacement	**Service Life**	Batteries last 3 times longer and do not need to be replaced
Outsourced or in-house maintenance personnel required	**Ongoing Maintenance**	No maintenance cost
8-10 Hours - 2 or more batteries per lift truck	**Charge Duration**	2.5 Hours - 1 Battery per lift truck
Build an expensive battery room with ventilation	**Battery Room**	No battery room needed
Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance	**Dangerous Substances**	No dangerous substances
Power loss	**Power Savings**	No power loss - Reduces energy consumption by 35%

Fast-charging maintenance-free Lithium battery is fully charged in 2.5 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.





PSE06N-CB Counterbalanced Stacker					
Designation	Lowered mast height h1 (in)	Free lift height h2 (in)	Lift height h3 (in)	Extended mast height h4 (in)	Lift + fork height h3+h13 (in)
Single-stage mast	77.2	59.25	59.3	81.3	61.8
Two-stage mast	71.7	-	99.8	121.85	102.4
	77.2	-	111.6	133.66	114.2
	83.1	-	123.4	145.47	126

Identification						
1.2	Model		PSE06N-CB-62	PSE06N-CB-102	PSE06N-CB-114	PSE06N-CB-126
1.3	Drive (electric – battery or mains, diesel, petrol, fuel gas, manual)		Lithium			
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Pedestrian			
1.5	Load capacity / rated load	Q (lb)	1,100			
1.6	Load center distance	c (in)	19.7			
1.8	Load distance, center of drive axle to fork	x (in)	4.3			
1.9	Wheel base	y (in)	33.3			
Weights						
2.1	Service weight	lb	2,497	2,541	2,585	2,629
2.3	Axle loading, laden front / rear	lb	660 / 3,250			
2.4	Axle loading, unladen front / rear	lb	1,631 / 959			
Wheels, Chassis						
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Polyurethane (PU)			
3.2	Tire size, front	∅xw (in)	∅ 9.1 x 3			
3.3	Tire size, rear	∅xw (in)	∅ 3.3 x 2.8			
3.4	Additional wheels (dimensions)	∅xw (in)	/			
3.5	Wheels, number front / rear (x = driven wheels)		1x/4			
3.6	Tread, front	b_{10} (in)	/			
3.7	Tread, rear	b_{11} (in)	23.7			
Basic Dimensions						
4.2	Lowered mast height	h_1 (in)	77.2	71.7	77.2	83.1
4.4	Lift	h_3 (in)	59.3	99.8	111.6	123.4
4.5	Extended mast height	h_4 (in)	81.3	121.85	133.66	145.47
4.9	Height of tiller in drive position min./max.	h_{14} (in)	29.5 / 45.87			
4.15	Height, lowered	h_{13} (in)	2.56			
4.19	Overall length	l_1 (in)	91			
4.20	Length to face of forks	l_2 (in)	49			
4.21	Overall width	b_1 (in)	31.57			
4.22	Fork dimensions	s/e/l (in)	1.38 / 3.94 / 42			
4.25	Width over forks	b_5 (in)	9.92 - 27.56			
4.32	Ground clearance, center of wheelbase	m_2 (in)	2.17			
4.33	Right Angle Stack with 40x48 pallet	Ast (in)	103.54			
4.35	Turning radius	Wa (in)	46.26			
Performance Data						
5.1	Travel speed, laden / unladen	mph	2.8 / 2.9			
5.2	Lift speed, laden / unladen	ft/s	0.36 / 0.46			
5.3	Lowering speed, laden / unladen	ft/s	0.46 / 0.43			
5.8	Max. gradeability, laden / unladen	%	5 / 8			
5.10	Service brake		Electromagnetic			
E-Motor						
6.1	Drive motor rating S2 60 min	HP	1			
6.2	Lift motor rating at S3 10%	HP	3			
6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		/			
6.4	Battery voltage, nominal capacity K5	V/Ah	24V/60Ah			
6.5	Battery weight	lb	37.4			
6.6	Energy consumption acc. to VDI cycle	HP*h	0.6			
Others						
8.1	Type of drive control		DC			
8.4	Sound level at driver's ear - acc. to EN 12053	dB(A)	<70			