

ELECTRIC STACKER

XWS-140

Electric Stacker
Walkie Reach Stacker

NOBLELIFT
Built for better.

OVERVIEW

BUILT FOR BETTER.

The XWS-140 is a lithium walkie reach stacker lifting 1,400kg — a genuinely versatile machine that works as two trucks in one. Its pantograph reach and offset positioning let it act as a counterbalanced lift or a compact straddle reach truck depending on the job, so it handles any pallet, stacks in tight aisles and side-loads flatbeds with ease. Electric power steering makes it smooth and effortless to control, while the operator can turn the tiller 90° and stand safely to the side for a clear view. Proportional hydraulics deliver precise, confident load handling all day.



Key Features

1



Offset positioning

Turn the tiller 90° and stand at the side of the machine for an unmatched view of the load and surroundings, and dense storage — it right-angle stacks a standard 1,000×1,200mm pallet in just 2,616mm.

2



Two trucks in one

With the pantograph extended it works like a counterbalanced truck, taking any pallet and placing loads straight to the floor; retracted, it's a compact straddle reach truck that turns tightly even when loaded — ideal for narrow aisles, storerooms and side-loading flatbeds.

3



Pinwheel capability

Hold the turtle button and the stacker operates with the tiller upright, turning on the spot for safe, easy movement in confined spaces.

4



Proportional lift and lower

Proportional hydraulics give precise load positioning, and smooth proportional carriage tilt holds loads in transit and compensates for unlevel floors during pick and place.

5



Safer operation

Standing to the side keeps the operator clear of the truck's path, cutting the risk of injury and product or fixture damage, while automatic speed reduction in turns helps protect loads.

6



Modular straddle-leg rollers

Configurable two ways: standard floating dual Φ102mm rollers, or single large Φ230mm wheels for better performance on uneven ground and limited outdoor use.

Full free-lift mast	A two-stage mast gives 140mm of free lift (keeping height under 2,106mm), or a three-stage full-free-lift mast for working under low ceilings.
Electric power steering	Reduces operator effort, improves manoeuvrability and lowers maintenance.
Smart tiller head	An ergonomic handle with large, glove-friendly buttons and an LCD showing battery level, hours and fault codes.
Loading-dock ready	1,400kg capacity and 8/12% gradeability (laden/unladen) suit loading docks and delivery work.



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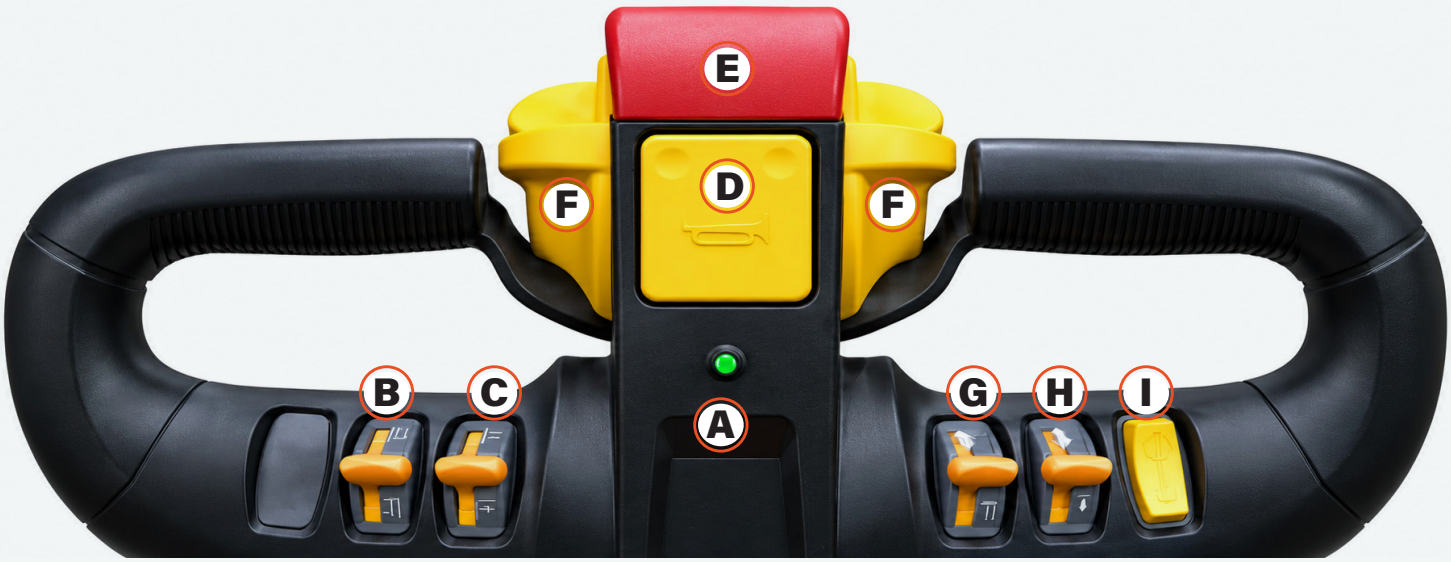
The new generation tiller head is comfortable and ergonomic, with large buttons that can be easily used by operators, even while wearing gloves.

TILLER HEAD CONTROLS

A	Turtle speed button (backside)
B	Forks left/right
C	Forks forward/backwards
D	Horn button
E	Emergency belly button
F	Dual butterfly-style thumb driving controls
G	Forks up/down
H	Fork tilt up/down
I	Offset Positioning

FEATURE

- Reduced Operator Effort
- Improved Maneuverability
- Increased Productivity
- Enhanced Safety
- Lower Maintenance



Intelligent, safe, reliable.



FEATURE	
Integrated side shift	Shift the fork carriage without moving the whole stacker for precise placement.
Double hydraulic cylinders	Balanced load movement and longer component life.
Steel-surrounded frame	Protects the truck's components and the operator's feet, with a safety guard for added protection.
Emergency stop & USB	A safety e-stop plus a USB connector for charging and powering devices.
Steel CJ-channel mast	An innovative channel design for added strength, stability and performance.
Modular outrigger & mast	Adjustable outrigger width and selectable mast height to suit the job and reduce acquisition cost.
Built-in lithium charger	An on-board charging outlet for convenient recharging.
CAN-bus diagnostics	An external programming port and CAN-bus make fault-finding and servicing quick, with easy drive-wheel access.
Fork-mounted camera	An HDMI colour monitor gives an unrestricted view of the pallet and racking as an optional extra if required.

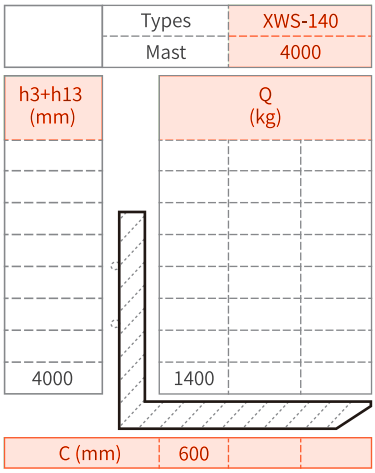
Specifications - XWS 140

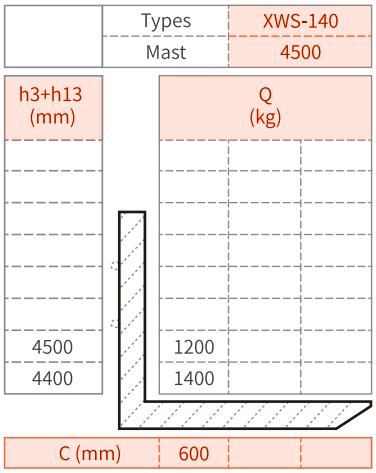
Identification		
Type designation		XWS-140
Drive		Battery
Operator type		pedestrian
Rated capacity	Q (kg)	1400
Load centre	C (mm)	600
Load distance, centre of drive axle to fork	x (mm)	376
Wheelbase	y (mm)	1365
Weights		
Service weight	kg	2290 ; 2225
Axle loading, fork advanced, unladen front / rear	kg	1335/955 ; 1295/930
Axle loading, fork retracted, unladen front / rear	kg	1465/825 ; 1425/800
Axle loading, fork advanced, laden front / rear	kg	420/3270 ; 415/3210
Axle loading, fork retracted, laden front / rear	kg	1155/2535 ; 1135/2490
Wheels		
Tires		Polyurethane (PU)
Tire size, front	xW (mm)	Φ250 x 82
Tire size, rear	xW (mm)	Φ102 x 70 (Φ230 x 80)
Wheels, number front / rear (x=driven)		1x+4 (1x+2)
Tread, rear	b11 (mm)	970/1070/1170/1270/1370 – adjustable
Tread, rear	b10 (mm)	964
Dimensions		
Tilt of mast / fork carriage forward / backward	°	3 / 5
Lowered mast height	h1 (mm)	2206
Free lift height	h2 (mm)	1090
Lift height	h3+h13 (mm)	4800
Extended mast height	h4 (mm)	5870
Height of tiller in drive position min / max	h14 (mm)	965 / 1305
Height, lowered	h13 (mm)	45
Overall length	l1 (mm)	2309
Length to face of forks	l2 (mm)	1159
Overall width	b1/b2 (mm)	870 / (1080-1480 adj., Φ102x70) (1088-1488 adj., Φ230x80)
Fork dimensions	s/e/l (mm)	40x100x1150
Distance between fork-arms	b5 (mm)	220-760 - adjustable
Distance between wheel arms	b4 (mm)	860-1260 adj. (Φ102x70) ; 852-1252 adj. (Φ230x80)
Reach distance	l4 (mm)	575
Ground clearance, center of wheelbase	m2 (mm)	50
Aisle width for pallets 1000×1200 crossways	Ast (mm)	2616
Aisle width for pallets 800×1200 lengthways	Ast (mm)	2662
Turning radius	Wa (mm)	1595
Performance Data		
Travel speed, laden / unladen	km/h	5.5 / 5.5
Lift speed, laden / unladen	m/s	0.13 / 0.20
Lowering speed, laden / unladen	m/s	0.25 / 0.23
Max. gradeability, laden / unladen	%	8 / 12
Service brake		electromagnetic
Electric Engine		
Drive motor rating S2 60 min	kW	2.6
Lift motor rating at S3 15%	kW	4.5
Battery voltage, nominal capacity K5	V/Ah	25.6 / 206 Li
Battery weight	kg	230
Energy consumption acc. to VDI cycle	kWh/h	1.8
Other		
Type of drive control		AC-Speed Control
Sound level at driver's ear acc. to EN 12053	dB(A)	<75
Sideshift (integrated, standard)	mm	+/- 70

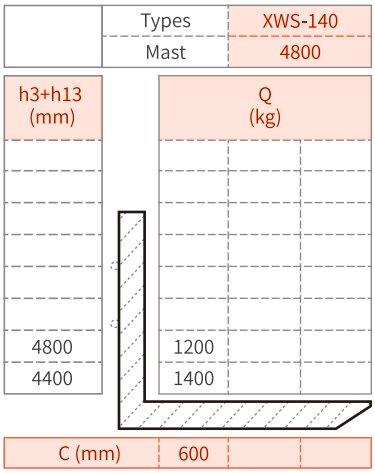
Mast options

Designation	1940	1514	1514	2064	1564
Two-stage mast	1856	140	2700	3770	1964
	2106	140	3200	4270	2564
Three-stage mast	1941	824	4000	5070	2864
	2106	990	4500	5570	3164
	2206	1090	4800	5870	3564
	2308	1760	3510	4080	3560

Structural diagram









LITHIUM BATTERY

LONG LASTING AND SAFE LITHIUM POWER.

NOBLELIFT uses LiFePO4 chemistry — the longest-lasting and safest lithium battery chemistry available. Every battery is equipped with a Battery Management System (BMS), a thermal management system, and an intelligent control system. The BMS monitors all charging and discharging data to keep the battery safe throughout its life cycle.

Our lithium battery packs are backed by a 5-year / 10,000 hour warranty.

Advantages of Lithium Power

	LEAD-ACID BATTERY	LITHIUM BATTERY
PRODUCTIVITY	Lower fleet availability — work is interrupted because the battery must be fully charged before next use.	100% fleet availability — opportunity charging tops the battery up between use.
SERVICE LIFE	Periodic battery replacement.	Lasts up to 3 times longer and doesn't need replacing.
ONGOING MAINTENANCE	Outsourced or in-house maintenance personnel required.	No maintenance cost.
CHARGE DURATION	8–10 hours — 2 or more batteries per machine.	2–3 hours — 1 battery per machine.
BATTERY ROOM	Requires an expensive, ventilated battery room.	No battery room needed.
SAFETY	Releases hydrogen while charging (explosion risk); acid burns possible during maintenance.	No dangerous substances.
POWER SAVINGS	Power loss.	No power loss — reduces energy consumption by up to 35%.



NOBLELIFT
Built for better.

SERVICING, PARTS & SUPPORT.

At Noblelift, we understand that reliable servicing and maintenance are essential to keeping your operation running smoothly. That's why we offer comprehensive support tailored to the needs of your Noblelift fleet. With our commitment to excellence and customer satisfaction, you can trust us to keep your equipment operating at peak performance.

Through our nationwide New Zealand network we can provide:

NATIONAL TECHNICAL SUPPORT

Help by phone or on site, nationwide.

FULLY STOCKED PARTS

Genuine parts held in stock across NZ.

MAINTENANCE & SERVICE CONTRACTS

Flexible plans built around your operation.

DEDICATED SERVICE TEAM

Factory-trained technicians with the product knowledge and diagnostic tools to keep your fleet running.

GENUINE PARTS & ACCESSORIES

A full inventory of genuine Noblelift parts, ready when you need them.

BACK-UP MACHINERY

A rental and support fleet on standby to keep you moving through any downtime.

CUSTOMER TRAINING & SUPPORT

Hands-on operator and maintenance training so your team works safely and efficiently.

SCHEDULED MAINTENANCE PROGRAMS

Proactive, tailored servicing that catches issues early and prevents costly breakdowns.

24/7 EMERGENCY SUPPORT

Round-the-clock help to get you back up and running fast.



NOBLELIFT

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Talk to our team for sales and enquires

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Noblelift New Zealand.