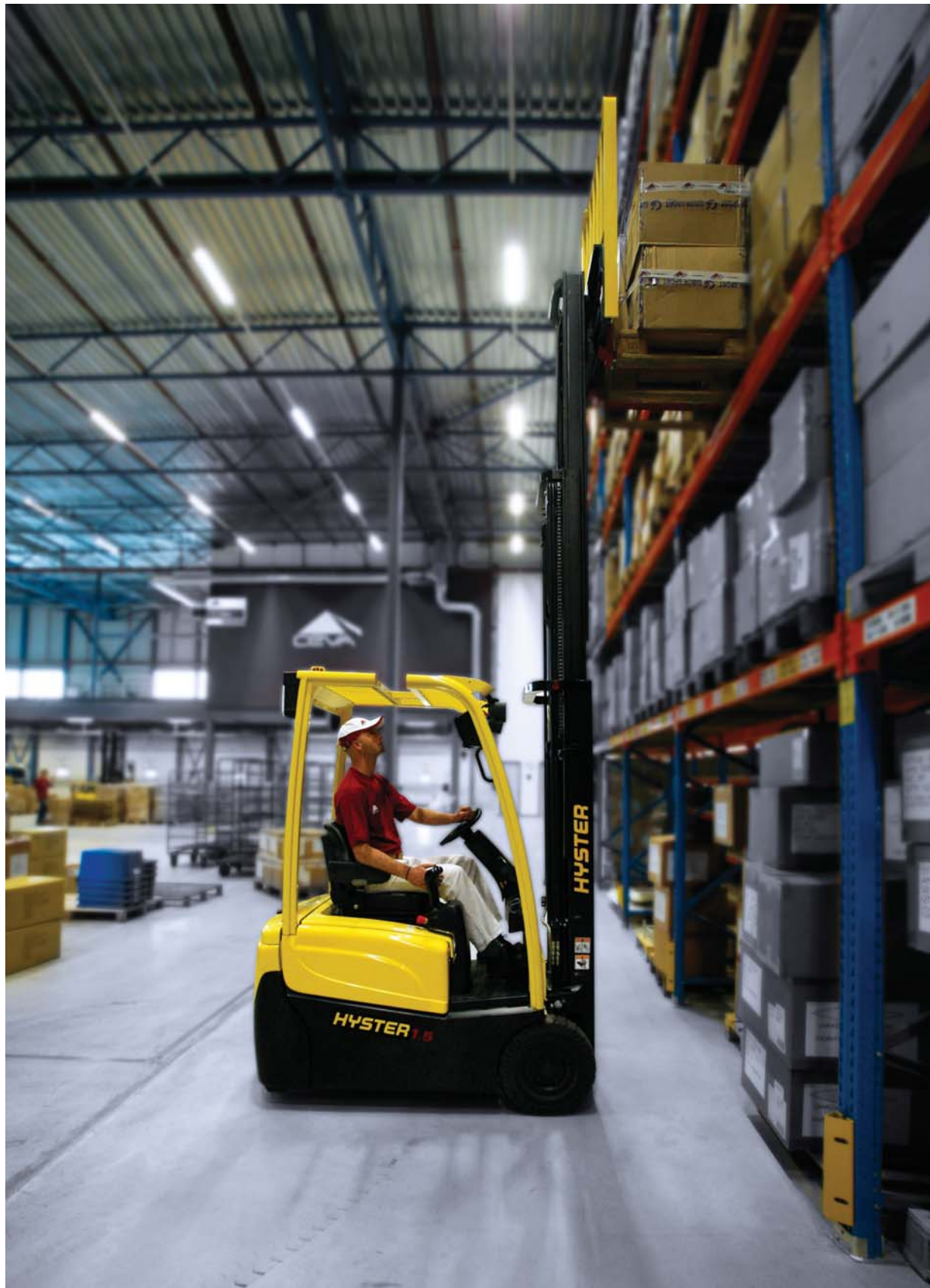


J1.5-2.0 XN/T series

Three/Four Wheel Electric Counterbalance Series



Electric Forklifts

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Three & Four wheel

Counterbalance Electric Powered Series

The J30-40XNT/XN is the newest series of electric lift trucks from Hyster. These trucks offer numerous advantages in performance and ergonomics that make them some of the most operator-friendly AC-powered lift trucks on the market.

The innovative design of our three-wheel and four-wheel electric trucks, provide you with a variety of solutions depending on your needs. The compact design and tight turning radius the three-wheel truck gives you incredible maneuverability in the tightest locations. The four-wheel truck, with its Zero Turning Radius (ZTR) axle offers maneuverability similar to a three-wheel truck, with greater comfort when traveling over longer distances.

A newly-designed operator module provides a comfortable and productive operator compartment that features substantial floor space and a relocated multifunction display for enhanced visibility and load control. A redesigned hood provides full battery service access reducing downtime.

Superior operator comfort and customizable performance, that matches operator skill with individual performance needs, enable the new J30-40XNT/ XN to give maximum productivity throughout the entire shift.

The new J30-40XNT/XN delivers more bottom-line savings by increasing productivity and uptime through the use of AC motors and transistor controller technology for all traction and hydraulic systems, which reduce the frequency and cost of maintenance.

Using cutting-edge componentry and intelligent system design, the J30-40XNT/XN operates longer, with minimal downtime. The new J30-40XNT/XN series is assembled on a new state-of-the-art assembly line utilizing the latest in manufacturing processes and techniques.



Hyster Product Features

The new J30-40XNT/XN series of lift trucks features industry leading innovations that deliver what matters most:

Reliability, Dependability and Low cost of ownership



1 Exclusive VISTA Mast

High strength hot-rolled steel mast channels and flush-faced design improve capacity retention at high lifts. Compact cast steel cross members optimize visibility and rigidity. Six canted 3-inch full-face load rollers roll on the web and the flange simultaneously, eliminating the need for side thrust rollers or wear plugs.

2 Tilt Steer Column

The infinitely adjustable tilt steer column with optional telescopic column and tilt memory accommodates all operators easily. Assisted by a gas-spring and an easy-to-reach lever, obtaining your preferred position is simple.

3 Removable Floor Plate

Two-piece steel floor plate and side plates are easily removed to provide instant service access. A thick molded rubber floor mat seals the floor area to reduce noise and vibration for a more comfortable ride.

4 Sealed Transmission

New transmission is lubricated for life so there is no need to change the transmission oil.

5 Drive Axle

The sealed design of the drive axle enhances dependability and reliability for a longer service life. Hyster premium oil-cooled wet disc brakes provide smooth stopping with reduced pedal effort as well as long brake life.

6 Pacesetter VSM

The computer “brain” of these lift trucks manages all vehicle systems to optimize performance, significantly increase overall reliability and enhance diagnostic capability to give maximum uptime.

7 AC Motors

The brushless AC traction and hydraulic motors, powered by transistor controls, are durable enough to handle your toughest duty cycle, with reduced maintenance costs and enhanced productivity.

8 Overhead Guard

The unique grid-style pattern improves visibility while protecting operators and strengthening the truck’s structure. The front, curved OHG leg design affords greater shoulder clearance for easier operator entry and exit.



9 LED Lights

Bright and long lasting, the optional LED front and rear working lights and brake/tail/back-up lights rarely need replacing. The plastic lens meets the FDA requirement for use in food applications.

10 Multifunction Display

The location of the multifunction display provides maximum forward visibility and ease of operation. The display does not obstruct the forward view of the operator and is within easy reach of the operator, supervisor or service technician for quick access to truck functions, diagnostics and troubleshooting.

11 Fatigue Reducing Operator Compartment

Ergonomically designed operator compartment helps enhance overall productivity. Features include: increased foot space and optimized step height for easy entry and exit; fully adjustable, full suspension seat (optional) with low whole body vibration levels; infinitely adjustable steering column with optional memory tilt and telescopic steering wheel and low effort e-hydraulic controls. The standard non-suspension seat and optional suspension and swivel seats are all easily adjusted to provide a more customized, comfortable ride.

12 Rear Drive Handle

Provides an excellent hand hold for reverse driving while giving ready access to the auxiliary horn button for use when approaching cross-aisles and pedestrian traffic areas.

13 Four Wheel Design

The J30-40XN series features a Zero Turn Radius (ZTR) steer axle which provides advanced turning capability and superb maneuverability during operation. The Hyster stability system reduces truck lean in turns, allowing superior travel over uneven surfaces. The stability system requires no maintenance.

14 Heavy - Duty Drive Axle

The J30-40XNT series three-wheel configuration provides a tighter turning radius for unparalleled maneuverability that makes stacking in limited space and congested loading bays easier than ever. The dual steer wheels provide a smoother, more stable ride. The rack-and-pinion hydraulic actuator is sealed from contaminants and moisture for reliable, maintenance-free operation.

Advanced Dependability

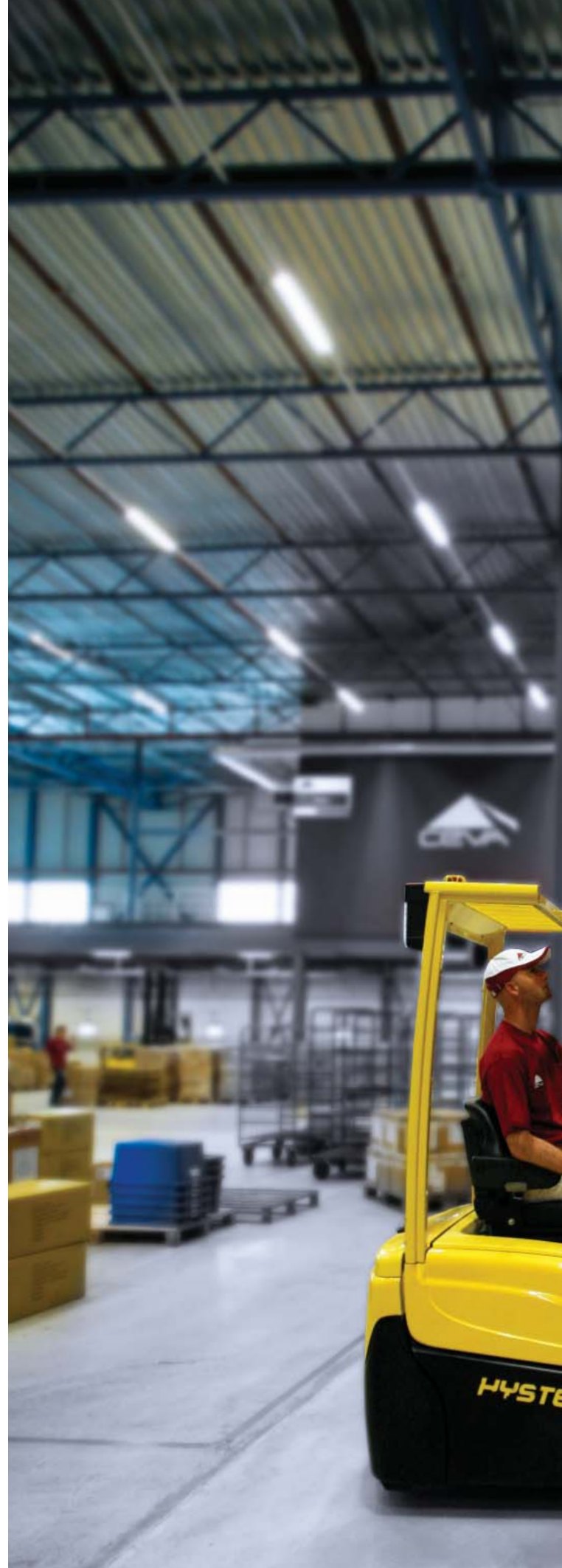
Hyster® has an 80 year history of engineering and manufacturing reliable and productive lift trucks.

World-Class Dependability

- Oil-Cooled Wet Disc Brakes are completely sealed from water and other contaminants for extremely long brake service life.
- Auto Deceleration System extends brake life by automatically slowing the truck through regenerative braking when the accelerator pedal is released.
- Easy-to-use onboard diagnostics through the multifunction display provide fast and accurate troubleshooting for first-time fixes.
- Optional electronic monitoring package reports low fluid level and hydraulic oil filter restrictions.
- Optional LED work lights, brake lights, and tail lights resist vibration and rarely need service.
- Unitized frame construction provides excellent durability and stability, boosting driver confidence and enhancing productivity.

Thermal Management System

- Large Air Inlet Ports in the rear of the truck are protected, and strategically positioned to provide fresh air intake for controller cooling.
- A heat sink is used to draw heat away from the motor controllers. Additional cooling for continual high ambient operation is provided by cooling fans above the heat sink.
- The Hyster-designed thermal management system continuously monitors the J30-40XNT/XN series critical truck functions. Upon identifying an irregularity, it protects the componentry by automatically adjusting truck performance.





Industrial Strength Electronics

- CANbus communications network reduces wiring complexity, providing superior dependability.
- Non-mechanical, Hall-Effect sensors and switches are designed to outlast the life of the truck.
- Proven tough, Pacesetter VSM industrial onboard computer manages truck operation to maintain world-class dependability and maximize uptime.
- Double-sealed electrical connectors provide waterproof and contaminant protection.
- Smart, one-way routing path for wire harnesses ensures consistent high-quality assembly while increasing durability and simplifying maintenance when needed.=

Thermal Management System

- Leak-free O-ring face seal fittings reduce leaks for enhanced reliability.
- A 10-micron high-performance in-tank filtration system captures 99.5% of hydraulic system debris, significantly extending component life.
- Smart placement of the control valve and hydraulic lines away from heat sources reduces operating temperature, extending the life of seals and hoses for unbeatable reliability.

The new **Hyster® J30-40XNT/XN** series continues that legacy with a lift truck that was designed and built to be the most dependable in the marketplace.

Low cost of operations

The standard AC traction and hydraulic motors set the standard in materials handling, significantly reducing maintenance requirements.

The **Hyster® J30-40XNT/XN** series lowers your cost of operations by delivering enhanced productivity, lower energy consumption, advanced dependability, and reduced maintenance costs.

Brushless AC technology

- Eliminates motor brushes.
- Requires no periodic maintenance.
- Eliminates scheduled downtime and the cost for parts and service.
- Eliminates the service requirements created by brush wear dust.
- Does away with the commutator and its related parts and service costs.

Vehicle system manager

All vehicle systems are managed electronically to optimize performance and significantly increase overall reliability, enhancing diagnostic capabilities to maximize uptime. The Pacesetter VSM (Vehicle System Manager) enables customization of truck performance to suit application needs.

- Communicates with motor controllers and operator display via CANbus
- Monitors truck functions and stores data
- Advanced thermal management and truck diagnostics
- Interfaces Service and Diagnostic Tools
- Interfaces all operator control devices
- Interfaces all on-board sensors

Superior serviceability

- The J30-40XNT/XN series utilizes CANbus communications to simplify wiring and improve serviceability.
- State-of-the-art onboard diagnostics reduce repair time and minimize expensive parts swapping.
- Direct access for service is a key element for easier daily checks or service resulting in improved productivity.
- Easy battery access is provided via the gas spring-assisted hood and quick release handle.





Superior serviceability

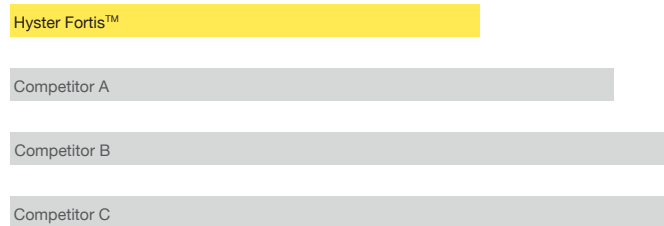
Two-piece floor plate and step plate can be easily removed for access to:

- Brake fluid reservoir
- Hydraulic valve
- VSM
- Tilt Cylinders

Lift out floor plate requires no tools, for quick and easy daily operator checks.

Lowest energy consumption

Hours between service intervals



According to the VDI Energy Cycle Standardized Test, the Hyster J30-40XNT/XN series provides the lowest energy consumption versus the competition. Better energy utilisation saves money and reduces impact on the environment.

Superior Ergonomics



The superior ergonomic design of the new J30-40XNT/XN means greater comfort for your operator.

Superior operator compartment

- Easy-to-use 3-point entry design of operator compartment uses a large molded hand grip, hip restraint and open anti-slip step with a low step height to minimize muscle/joint strain during entry/exit.
- Seat is rotated 3° to the right for a more natural operating position and the optional full suspension seat offers adjustable weight control, easy fore/aft adjustment, and an adjustable seat back angle for the most comfortable working position.
- Uncluttered floor area and thick rubber floormat provide greater operator comfort. Forward placement and angle of pedals provide more operator foot room. Placement and size of brake pedal allows actuation with either foot.

Hydraulic controls

- Standard Seat Side Mechanical Levers are positioned for maximum operator comfort and offer an optional integrated thumb-actuated directional control switch.
- Optional Electro-Hydraulic Controls with TouchPoint mini-levers provide precise fingertip control of all hydraulic functions. An adjustable armrest, mounted on the operator seat, positions the mini-levers in the most comfortable and efficient position. The armrest is cushioned and contoured to provide full forearm support. The hydraulic functions, seat side directional control switch, horn and power disconnect button are all incorporated in the armrest to maximize operator comfort and ease of use.





Minimal Effort operation

- Improved brake pedal layout and the minimal braking requirements of the Auto Deceleration System significantly reduce operator fatigue.
- An infinitely adjustable steer column, and optional telescopic steer column with tilt memory, assures the right fit for any operator.
- A choice of 6 different seats enables a more customizable level of operator comfort through its enhanced design and adjustable features.
Increased shoulder clearance — a result of the redesigned front curved overhead guard leg.
- The standard 12-inch steering wheel with integrated spinner knob reduces fatigue, provides more knee room, and goes lock-to-lock in just 4 turns for superior efficiency, maneuverability and control.
- Automatic Park Brake automatically applies the park brake when the truck is stationary and releases the park brake when the accelerator pedal is depressed.
- Rear drive handle (optional) provides an excellent hand hold for reverse driving while giving ready access to the auxiliary horn button for use when approaching cross-aisles and pedestrian traffic areas.

Enhanced ergonomics combined with customisable performance characteristics enhance overall productivity and uptime.



AC Technology

- Delivers quick and smooth changes in travel direction, offers precise speed control with excellent acceleration, significantly increasing productivity.
- The standard “Extended Shift” feature allows enhanced run time without recharging over longer periods.
- Maintains top speed regardless of load or battery discharge level when “Extended Shift” is off.
- AC transistor hydraulic control enables precise load handling with greater efficiency and less noise.
- Hyster-designed thermal management system maximizes performance during continuous operation, while preventing damage to components due to heat.

Performance modes

- Adjustment of customizable performance parameters to match your application needs is accessible via the multi-function display and technician password protection.
- A significant increase in loaded travel speeds and acceleration rates beyond the standard setting is possible when the “Extended Shift” setting is turned off.
- Our standard “Extended Shift” AC controller setting provides the optimum balance between performance needs and battery shift life.





Enhanced Productivity

Increase throughput and sales volume while reducing operating costs. Productivity means moving more of your loads in less time with less cost.

Hydraulic controls

- Exclusive VISTA Mast provides fast lift and lower speeds combined with superb visibility to make the VISTA® mast the best the industry has to offer.
- The optional integral sideshift provides excellent visibility and affords greater capacities than carriage mounted sideshifts.
- Low effort, ergonomically placed seat side hydraulic levers, with optional thumb-actuated seat side directional control provide operator comfort minimizing fatigue and maximizing productivity.
- Choose from the seat side directional control or the Hyster-exclusive MONOTROL® pedal for quicker, smoother control of travel speed and direction, improving operator efficiency and further enhancing productivity.
- Infinitely adjustable tilt steer column provides increased comfort and minimizes fatigue.
- On-demand hydrostatic steering provides low effort steering and superior control with reduced noise.
- Power-assisted braking improves brake life while reducing operator effort.
- Multifunction Display, located in the upper right corner of the operator's compartment, offers greater visibility for the operator with a large, LCD backlit screen for easy viewing and indicator icons for at-a-glance system status.
 - Battery State of Charge Indicator
 - Low Battery Lift Interrupt Program
 - Hour Meter
 - Performance Mode Indicator
 - Fault Indicator
 - Four Operator Selectable, Programmable Performance Modes
- The Operator Convenience Station provides industry-leading dash storage area creating a productive work environment for the operator with dedicated storage areas for markers, cell phone, PDA or 2-way radios, gloves, clipboards, pick tickets, beverages, flashlight, box-cutter... a place for almost anything an operator needs.



The **Hyster® J30-40XNT/XN** series has been proven to be a leader in productivity.

Technical Specifications

GENERAL CHARACTERISTICS

1	Manufacturer	Hyster	Hyster	Hyster	Hyster	Hyster	Hyster
2	Model Description	J30NXT (J1.5XNT)	J35XNT (J1.6XNT)	J40XNT (J1.8XNT)	J30XN (J1.5XN)	J35XN (J1.6XN)	J40XN (J1.8XN)
3	Power	Electric	Electric	Electric	Electric	Electric	Electric
4	Operation	Sit	Sit	Sit	Sit	Sit	Sit
5	Rated Capacity	lb (kg) 3000 (1361)	3500 (1588)	4000 (1814)	3000 (1361)	3500 (1588)	4000 (1814)
6	Load Centre	in. (mm) 24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)

TYRES

7	Tyre Type - Cushion, Solid, Pneumatic, etc	Pneumatic Solid Shaped	Pneumatic Solid Shaped	Pneumatic Solid Shaped	Pneumatic Solid Shaped	Pneumatic Solid Shaped	Pneumatic Solid Shaped
8	Tyre Size (drive/steer)	in. 18x7-8 / 15x4.5-8	18x7-8 / 15x4.5-8	200/50-10 / 15x4.5-8	18 x 7-8 / 140 / 55-9	18 x 7-8 / 140 / 55-9	200 / 50-10 / 140 / 55-9
9	Wheels - Number X=Driven (drive/steer)	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2
10	Tread Centre of tyres (drive/steer)	in.(mm) 35/7 (889/179)	35/7 (889/179)	35.7/7 (908/179)	35/35.4 (889/898)	35/35.4 (889/898)	35.7/35.4 (908/898)

DIMENSIONS

11	Mast Tilt	Std Opt Opt	degrees 5F/5B 10F/5B 5F/4B	5F/5B 10F/5B 5F/4B	5F/5B 10F/5B 5F/4B	5F/5B 10F/5B 5F/4B	5F/5B 10F/5B 5F/4B	5F/5B 10F/5B 5F/4B	5F/5B 10F/5B 5F/4B
12	Mast - Lowered Height	Std Mast	in.(mm) 78 (1980)	78 (1980)	78 (1980)	78 (1980)	78 (1980)	78 (1980)	78 (1980)
	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	in.(mm) 5 (140)	5 (140)	5 (140)	5 (140)	5 (140)	5 (140)	5 (140)
13		Opt 2 Stg Full Free Lift Mast with/wout LBR	in.(mm) 29/55 (750/1405)	29/55 (750/1405)	29/55 (750/1405)	29/55 (750/1405)	29/55 (750/1405)	29/55 (750/1405)	29/55 (750/1405)
14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in.(mm) 119 (3032)	119 (3032)	119 (3032)	119 (3032)	119 (3032)	119 (3032)	119 (3032)
15	Mast - Extended Height	Std Mast with/without LBR	in.(mm) 168/142 (4_62/3606)	168/142 (4262/3606)	168/142 (4262/3606)	168/142 (4262/3606)	168/142 (4262/3606)	168/142 (4262/3606)	168/142 (4262/3606)
16	Overhead Guard Height	Std / Flat Plate / Drive in Rack	in.(mm) 81.5/77.9/81.5 (2070/1979/2070)	81.5/77.9/81.5 (2070/1979/2070)	81.5/77.9/81.5 (2070/1979/2070)	81.5/77.9/81.5 (2070/1979/2070)	81.5/77.9/81.5 (2070/1979/2070)	81.5/77.9/81.5 (2070/1979/2070)	81.5/77.9/81.5 (2070/1979/2070)
17	SIP to Bottom Std OHG	Nominal Std / Susp / Swivel	in.(mm) 38.9/39.2/38.7 (989/997/985)	38.9/39.2/38.7 (989/997/985)	38.9/39.2/38.7 (989/997/985)	38.9/39.2/38.7 (989/997/985)	38.9/39.2/38.7 (989/997/985)	38.9/39.2/38.7 (989/997/985)	38.9/39.2/38.7 (989/997/985)
18	Tow Pin Height	Vertical Centre of Pin	in.(mm) 21.2 (540)	21.2 (540)	21.2 (540)	14.1 (360)	14.1 (360)	14.1 (360)	14.1 (360)
19	Overall Width		in.(mm) 41.3 (1050)	41.3 (1050)	43.9 (1116)	41.7 (1060)	41.7 (1060)	41.7 (1060)	43.9 (1116)
20	Forks	Thickness x Width x Length	in.(mm) 1.6x3.9x42 (40x100x1067)	1.6x3.9x42 (40x100x1067)	1.6x3.9x42 (40x100x1067)	1.6x3.9x42 (40x100x1067)	1.6x3.9x42 (40x100x1067)	1.6x3.9x42 (40x100x1067)	1.6 x 3.9 x 42 (40 x 100 x 1067)
21	Std Carriage Width		in.(mm) 38.5 (977)	38.5 (977)	38.5 (977)	38.5 (977)	38.5 (977)	38.5 (977)	38.5 (977)
22	Floor to top of Battery Rollers		in.(mm) 7(178)	7(178)	7(178)	7(178)	7(178)	7(178)	7 (178)
23	Ground Clearance	Lowest Point (NL/RL)	in.(mm) 2.8/2.8 (70/70)	2.8/2.8 (70/70)	2.8/2.8 (70/70)	2.8/2.8 (70/70)	2.8/2.8 (70/70)	2.8/2.8 (70/70)	2.8 / 2.8 (70 / 70)
24	Ground Clearance	Centre of Truck (NL/RL)	in.(mm) 3.7/3.5 (95/90)	3.7/3.5 (95/90)	3.7/3.5 (95/90)	3.7/3.5 (95/90)	3.7/3.5 (95/90)	3.7/3.5 (95/90)	3.7 / 3.5 (95 / 90)
25	Load Distance	Centre of Wheel to Face of Forks	in.(mm) 12.6 (321)	12.6 (321)	12.6 (321)	12.6 (321)	12.6 (321)	12.6 (321)	12.6 (321)
26	Battery Compartment	Height Std / Battery Rollers / Tall	in.(mm) 23.9/25.4/26.7 (607/645/677)	23.9/25.4/26.7 (607/645/677)	23.9/25.4/26.7 (607/645/677)	23.9/25.4/26.7 (607/645/677)	23.9/25.4/26.7 (607/645/677)	23.9/25.4/26.7 (607/645/677)	23.9 / 25.4 / 26.7 (607 / 645 / 677)
		Width	in.(mm) 39 (990)	39 (990)	39 (990)	39 (990)	39 (990)	39 (990)	39 (990)
		Length	in.(mm) 21.5 (546)	25.3 (642)	25.3 (642)	21.5 (546)	25.3 (642)	25.3 (642)	25.3 (642)
27	Length to Face of Forks	Chassis Length	in.(mm) 71.2 (1808)	74.9 (1903)	74.9 (1903)	74.1 (1881)	77.8 (1975)	77.8 (1975)	77.7 (1975)
28	Wheelbase		in.(mm) 50.8 (1290)	54.6 (1386)	54.6 (1386)	52.6 (1335)	56.3 (1431)	56.3 (1431)	56.3 (1431)
29	Right Angle Stack		in.(mm) 122.2 (3103)	125.9 (3199)	125.9 (3199)	125.3 (3182)	129.1 (3278)	129.1 (3278)	129.1 (3278)
30	Equal Aisle	90° Intersecting Angle	in.(mm) 69.3 (1759)	70.6 (1793)	71.5 (1816)	70 (1779)	71.3 (1812)	71.3 (1812)	72.2 (1835)
31	Outside Turning Radius		in.(mm) 58.3 (1484)	62.1 (1577)	62.1 (1577)	61.4 (1560)	65.2 (1656)	65.2 (1656)	65.2 (1656)

WEIGHT

32	Truck Weight Without Battery NL	lb. (kg) 5100 (2313)	5230 (2372)	5270 (2390)	5140 (2331)	5270 (2390)	5310 (2409)
33	Axle Loading - Drive Static with Max. Wt. Battery (NL/RL)	lb. (kg) 3553/8718 (1612/3954)	3704/9557 (1680/4335)	3748/10437 (1700/4734)	3641/8733 (1652/3961)	3795/9573 (1721/4342)	3839/10443 (1741/4737)
34	Axle Loading - Steer Static with Max. Wt. Battery (NL/RL)	lb. (kg) 3743/1578 (1698/716)	3917/1565 (1777/710)	3917/1229 (1777/557)	3695/1603 (1676/727)	3866/1588 (1754/720)	3866/1262 (1754/572)

PERFORMANCE

35	Voltage		36	48	36	48	36	48	36	48	36	48
36	Travel Speed	Extended Shift OFF (NL/RL)	mph (km/h) 9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)	9.8/9.8 (15.7/15.7)
		Extended Shift ON (NL/RL)	mph (km/h) 8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)	8.7/8.7 (14.0/14.0)
37	Lift Speed	Std 2 Stage FFL Mast (NL/RL)	ft/min (m/sec) 134/77 (0.68/0.39)	128/94 (0.65/0.48)	134/71 (0.68/0.36)	128/89 (0.65/0.45)	134/67 (0.68/0.34)	128/83 (0.65/0.42)	134/77 (0.68/0.39)	128/94 (0.65/0.48)	134/71 (0.68/0.36)	128/83 (0.65/0.42)
		Opt 2 Stage FFL Mast (NL/RL)	ft/min (m/sec) 120/75 (0.61/0.38)	114/89 (0.58/0.45)	120/69 (0.61/0.35)	114/85 (0.58/0.43)	120/65 (0.61/0.33)	114/81 (0.58/0.41)	120/75 (0.61/0.38)	114/89 (0.58/0.45)	120/69 (0.61/0.35)	114/85 (0.58/0.43)
		Opt 3 Stage FFL Mast (NL/RL)	ft/min (m/sec) 120/75 (0.61/0.38)	114/89 (0.58/0.45)	120/69 (0.61/0.35)	114/85 (0.58/0.43)	120/69 (0.61/0.33)	114/81 (0.58/0.41)	120/75 (0.61/0.38)	114/89 (0.58/0.45)	120/69 (0.61/0.35)	114/85 (0.58/0.43)
		Opt 4 Stage FFL Mast (NL/RL)	ft/min (m/sec) 126/77 (0.64/0.39)	120/91 (0.61/0.46)	126/73 (0.64/0.37)	120/89 (0.61/0.45)	126/71 (0.64/0.36)	120/89 (0.61/0.45)	126/77 (0.64/0.39)	120/91 (0.61/0.46)	126/73 (0.64/0.37)	120/89 (0.61/0.45)
38	Lower Speed	Std 2 Stage LFL Mast (NL/RL)	ft/min (m/sec) 93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)	93/100 (0.47/0.51)
		Opt 2 Stage FFL Mast (NL/RL)	ft/min (m/sec) 77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)	77/91 (0.39/0.46)
		Opt 3 Stage FFL Mast (NL/RL)	ft/min (m/sec) 81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)	81/91 (0.41/0.46)
		Opt 4 Stage FFL Mast (NL/RL)	ft/min (m/sec) 94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)	94/98 (0.48/0.50)
39	Gradeability	5 Minute Rating (NL/RL)	% 38.4/26.5	34/25	36.2/24.3	35.0/25.0	36.0/23.6	34.0/21.0	38.4/26.5	34/25	36.2/24.3	35.0/25.0
		60 Minute Rating (NL/RL)	% 6.0/4.4	9.9/6.5	5.7/4.0	9.2/5.9	5.7/3.9	9.2/5.6	6.0/4.4	9.9/6.5	5.7/4.0	9.2/5.9
40	Drawbar Pull	5 Minute Rating (NL/RL)	lbf 2719/2714 (12096/12072)	2489/2437 (11072/10840)	2719/2712 (12093/12065)	2479/2417 (11027/10751)	2719/2712 (12093/12062)	2479/2409 (11027/10716)	2719/2714 (12096/12072)	2489/2437 (11072/10840)	2719/2712 (12093/12065)	2479/2417 (11027/10751)
		60 Minute Rating (NL/RL)	lbf 458/462 (2038/2054)	744/691 (3309/3074)	457/460 (2035/2047)	733/672 (3261/2989)	457/460 (2034/2044)	733/663 (3261/2949)	458/462 (2038/2054)	744/691 (3309/3074)	457/460 (2035/2047)	733/672 (3261/2989)
41	Brake	Method of Control (service/parking)	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
		Method of Operation (service/parking)	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic	Foot / Automatic

ELECTRIC

42	Battery	Type	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid
43	Traction Motors (Dual)	60 Minute Rating (each)	hp (kW) 6.4 (4.8)	6.7 (5.0)	6.4 (4.8)	6.7 (5.0)	6.4 (4.8)	6.7 (5.0)	6.4 (4.8)	6.7 (5.0)	6.4 (4.8)	6.7 (5.0)
44	Pump Motor	15 Minute Rating	hp (kW) 16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)	16.1 (12.0)
45	Traction Motors	Type/Control Method	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor
46	Pump Motor	Type/Control Method	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor	AC / Transistor
47	Number of Speeds	Traction/Pump	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable	Infinitely Variable / Infinitely Variable

OTHER

48	Step Height	in. (mm) 19.1 (484)	19.1 (484)	19.1 (484)	19.1 (484)	19.1 (484)	19.1 (484)
49	Floor Height	Lowest Point	in. (mm) 21.9 (557)	21.9 (557)	21.9 (557)	21.9 (557)	21.9 (557)
50	Attachment Relief Pressure (Mech levers/Mini levers)	psi (bar) 2611/2248 (180/155)	2611/2248 (180/155)	2611/2248 (180/155)	2611/2248 (180/155)	2611/2248 (180/155)	2611/2248 (180/155)
51	Auxiliary Oil Flow	3rd and 4th Function	gal/min(l/min) 5.3/10.6 (20/40)	5.3/10.6 (20/40)	5.3/10.6 (20/40)	5.3/10.6 (20/40)	5.3/10.6 (20/40)
52	Sound Level	Measured per ANSI B56.11.5	dB (A) 65	65	65	65	65

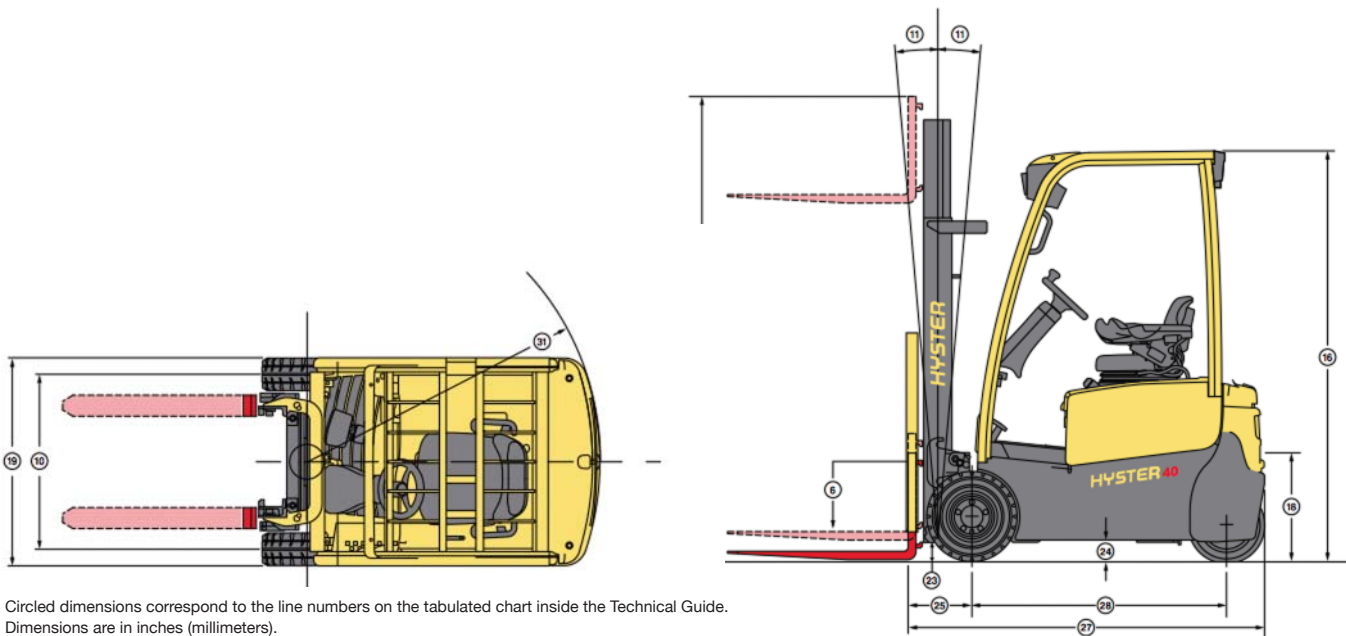
Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance. **CERTIFICATION:** These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1 – revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

* **NOTE:** Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorised Adaptalift Hyster Dealer.

Dimensions

J30-40XNT / XN Mast Dimensions

Maximum Fork Height (TOF)	Overall Lowered Height	Overall Ext Height w/Load Backrest	Overall Ext Height w/o Load Backrest	Free-Lift (TOF) w/Load Backrest	Free-Lift (TOF) w/o Load Backrest
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
2-Stage Limited Free-Lift (LFL) Vista Mast					
119 (2032)	78 (1980)	168 (4262)	142 (3606)	5 (140)	5 (140)
127 (3232)	82 (2080)	176 (4462)	150 (3806)	5 (140)	5 (140)
2-Stage Full Free-Lift (FFL) Vista Mast					
118 (3018)	78 (1980)	168 (4262)	143 (3613)	29 (750)	55 (1405)
126 (3218)	82 (2080)	176 (4462)	151 (3813)	33 (850)	59 (1505)
138 (3518)	88 (2230)	188 (4768)	162 (4113)	39 (1000)	65 (1655)
3-Stage Full Free-Lift (FFL) Vista Mast					
175 (4450)	78 (1980)	224 (5025)	198 (5025)	29 (750)	55 (1405)
187 (4750)	82 (2080)	236 (5325)	210 (5325)	33 (850)	59 (1505)
192 (4900)	84 (2130)	238 (5375)	212 (5375)	35 (900)	61 (1555)
198 (5050)	88 (2230)	248 (5625)	222 (5625)	39 (1000)	65 (1655)
216 (5500)	94 (2380)	265 (6075)	240 (6075)	45 (1150)	71 (1805)
4-Stage Full Free-Lift (FFL) Vista Mast					
241 (6121)	84 (2121)	291 (7380)	265 (6721)	34 (873)	59 (1511)
259 (6578)	90 (2273)	309 (7837)	283 (7179)	40 (1025)	65 (1663)



Circled dimensions correspond to the line numbers on the tabulated chart inside the Technical Guide. Dimensions are in inches (millimeters).

Battery and Compartment Specifications

J30XNT / XN with 21.5" Long Compartment

Battery Compartment Dimensions				Battery Dimensions and Specifications															
Compartment Type	Width	Length	Height	X				Y				Z		Volts	No. of Cells	Plates per Cell	Max Capacity 6 Hour rate amp hr (kwh)	Weight	
				Min	Max	Min	Max	Min	Max	Min	Max	Min	Max						
With Auxiliary CTWT Platform	39 (990)	21.5 (546)	23.9 (607)	38.2 (970)	38.8 (986)	20 (508)	21.2 (539)	23.4 (594)	36	18	17	880 (30.6)	1700 (771)	2200 (998)					
With Battery Rollers			25.4 (645)					24.9 (632)	36	18	17	880 (30.6)							
Without Auxiliary CTWT Platform			26.7 (677)					26.1 (664)	36	18	17	880 (30.6)							
									48	24	13	660 (30.5)							

J35-40XNT / XN with 25.3" Long Compartment

Battery Compartment Dimensions				Battery Dimensions and Specifications															
Compartment Type	Width	Length	Height	X				Y				Z		Volts	No. of Cells	Plates per Cell	Max Capacity 6 Hour rate amp hr (kwh)	Weight	
				Min	Max	Min	Max	Min	Max	Min	Max	Min	Max						
With Auxiliary CTWT Platform	39 (990)	25.3 (642)	23.9 (607)	38.2 (970)	38.8 (986)	23.5 (597)	25 (635)	23.4 (594)	36	18	21	1100 (38.2)	2100 (953)	2400 (1089)					
With Battery Rollers			25.4 (645)					24.9 (632)	36	18	21	1100 (38.2)							
Without Auxiliary CTWT Platform			26.7 (677)					26.1 (664)	36	18	21	1100 (38.2)							
									48	24	15	770 (35.8)							

Battery Connector: 320 AMP | 36 Volt=Grey | 48 Volt=Blue Battery Lead: Length 20" (508 mm), Position "B", 2/0 AWG Battery Type: "EO" Without Cover

Standard Features and Options

Standard Equipment	Optional Equipment
2 Stage Limited Free Lift (LFL) Mast with Maximum Fork Height of 119"	Side Extraction Battery Removal with Rollers
5° Forward / 5° Back Mast Tilt	48 Volt Electrical System
38.5" Wide Class II Carriage with 48" High Load Backrest Extension	Application / Environmental Construction
42" (1067mm) Long Forks	Cooler/Freezer Package
Pneumatic Shaped Solid Drive Tire and Steer Tire	SUBZERO Freezer Package
Battery Compartment Size	UL Classification Type "EE"
21.5" for the J30XNT/XN	4 Function Hydraulic Control Valve
25.3" for the J35-40XNT/XN	TouchPoint Hydraulic Mini-levers
Lift Out Battery Extraction	Available with 2-stage Limited Free Lift (LFL) and 2-, 3- or 4-stage Full Free Lift (FFL) Masts
350 Amp / Gray Connector	Carriage with Integral Sideshift
36 Volt Electrical System	Mast Tilt Option – 10° Forward / 5° Back
Standard Construction	Mast Tilt Option – 5° Forward / 4° Back
UL Classification Type "E"	Return to Set Tilt (RTST)
Key Switch Start	Hydraulic Attachment Extension Tubes with or without Quick Disconnect Fittings
81.5" Grid Style Overhead Guard	Non-Suspension Seat (Cloth)
MONOTROL™ Foot Direction Control	Full Suspension Seat (Vinyl or Cloth)
3 Function Hydraulic Control Valve with Seat Side Mechanical Levers	Swivel Seat, Full Suspension (Vinyl or Cloth)
12" Steering Wheel with Integral Spinner Knob and Tilt Column	77.9" Flat Plate Overhead Guard
Vinyl Non-Suspension Seat	81.5" Drive-In Rack Grid Style Overhead Guard
Hydrostatic Steer System	Keyless Start (with Auxiliary Key Switch)
AC Traction and Pump Motors (Completely Brushless)	Seat Side Directional Control
Transistor Drive and Pump Control	Telescopic Steering Column with Tilt Memory
Advanced VSM (Vehicle System Manager)	Various Light Packages:
Dual Drive Motors	Halogen Glass Lens Work Lights
Wet Disc Brakes	a. Full Light Package – 2) Front & 1) Rear Work Lights with 2) LED Brake / Tail / Back-Up
Automatic Park Brake	b. 2) Front & 1) Rear Work Lights
Power Assist Braking	– Brake and Tail Lights
On-Demand Hydrostatic Power Assist Steering	a. 2) LED Brake / Tail / Back-Up
Fully Integrated CANbus Communication	LED Dome / Reading Light
Progressive Thermal Management System	Audible Reverse Activated Alarm
ADS (Auto Deceleration System)	Visible Amber Strobe Light – Continuous Activated, Overhead Guard Mounted
Regenerative Braking	Rubber Cushion Smooth Tread Drive Tire and Steer Tire
Multi-Function Display	Rear Drive Handle with Horn Button
Battery State of Charge with Low Battery Lift Interrupt	Mirrors - Dual Rear View – LH & RH OHG Side Mounted
Hour Meter	Mirror - Single Panoramic – OHG Mounted
Performance Mode Indicator	Fire Extinguisher – 2.5 lb Dry Chemical
Fault Indicator (Audible & Visible)	Load Weight Indicator
4 Operator Selectable, Programmable Performance Modes	Impact Monitor
Easy Ingress / Egress with Low Step Height and Contoured Handhold	Operator Password Start Interlock Operator Daily Checklist
Operator Convenience Station – Storage Areas, Beverage & Clipboard Holders	System Monitor – Hydraulic Low Fluid Level Indicator and Hydraulic Filter Service Indicator
Adjustable Tilt Steering Column with Low Profile Cowl for Excellent Visibility	Programmable Maintenance Reminder
Anti Cinch Operator Restraint System	
Operator Presence System (OPS)	
Cushioned Floormat	
Static Strap	
Tow Pin	
Seatside Power Disconnect Button	
Battery Side Covers	
On-Board Software	
Program, Test & Diagnose	
Password Protected	
Electronic Horn with Integral Relay (Long Life / No Adjustments)	
Operating Manual	
12 Month / 2,000 Hour Full Truck Warranty	
24 Month / 4,000 Hour Powertrain Warranty	



Branches

Victoria

Melb. [Head Office]

1574 Centre Rd, Springvale, 3171
Tel: [03] 9547 8000

Truganina

42-44 Jessica Way, Truganina, 3029
Tel: [03] 9394 4000

Tasmania

Tasmania [State Office]

87a Devonport Rd, Spreyton, 7310
Tel: [03] 6427 3966

New South Wales

Sydney [State Office]

219 Newton Rd, Wetherill Park, 2164
Tel: [02] 8788 1777

Riverina

5 Favell St, Griffith, 2680
Tel: [02] 6962 7343

Newcastle

3/46 Munibung Road, Cardiff, 2285
Tel: 1300 880 335

Queensland

Bris. [State Office]

11 Lombank St, Acacia Ridge, 4110
Tel: [07] 3373 5111

Gladstone

5/3 Kingdon St, Gladstone, 4680
T: [07] 4972 9511

Townsville

39 Duckworth St, Garbutt, Townsville, 4814
Tel: [07] 4778 2000

South Australia

Adelaide [State Office]

18-22 Churchill Rd Nth, Dry Creek, 5094
Tel: [08] 8360 3444

Mt. Gambier

1 Avey Rd, Mt. Gambier, 5290
Tel: [08] 8725 7809

Northern Territory

Darwin [State Office]

Tel: 1300 880 335

Western Australia

Perth [State Office]

Unit 1, 1-9 Kurnall Rd, Welshpool, 6106
Tel: [08] 9352 9200

Kalgoorlie

15 Close Way, Kalgoorlie, 6430
Tel: [08] 9091 8599

Service Centres

Victoria

Bendigo
Warrnambool
Ballarat
Shepparton
Albury / Wodonga

Tasmania

Hobart
Launceston
Burnie

New South Wales

Dubbo
Griffith
Uralba
Tamworth
Newcastle
Wollongong
Canberra
Tumut
Bathurst
Wagga Wagga

Queensland

Rockhampton
Mackay
Cairns

South Australia/NT

Mildura
Riverland
Darwin

Western Australia

Margaret River



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