

HYSTER® J155-190XNL

POWERED BY LITHIUM-ION TECHNOLOGY

What if you could reduce cost of operation and eliminate emissions without sacrificing the power of diesel? Introducing the Hyster® J155-190XNL high-capacity forklift powered by integrated lithium-ion technology that gives you ICE-like performance.

The Class 1 pneumatic J155-170XNSL, J175XNL36 and J190XNL lift trucks are designed to satisfy a need for a zero emission alternative in a high capacity range for both indoor and outdoor operation.

Lithium-ion power is an ideal solution for heavy-duty applications due to the sealed battery requiring no battery maintenance, faster charging, and longer overall battery cycle life when compared to typical lead-acid batteries.



WHY LITHIUM-ION?

ZERO MAINTENANCE:
NO MORE...



- Watering
- Acid
- Spills
- Fumes
- Cleaning
- Equalizing

LESS THAN
— 90 —
MINUTES
FULL CHARGE TIME
WITH REQUIRED CHARGER

MORE 
ENERGY EFFICIENT

FDA COMPLIANT
ZERO EMISSIONS TECHNOLOGY
WITH NO GASSING

The J155-190XNL is the first product family lineup of counterbalanced 15,500-19,000 lb. 350-volt integrated lithium-ion power trucks to the lift truck industry.

1 HIGH VOLTAGE BATTERY

- Electric truck that delivers ICE-like performance
- Zero emissions and no maintenance
- More energy efficient than lead-acid batteries
- Truck is equipped with full suite of low state of charge safety features
- With optional telemetry system, battery information can be uploaded to the portal for customers/dealers to view

2 MOTOR MODULE

- High powered, efficient motors and controllers deliver ICE-like truck performance
- Liquid cooled for consistent, stable temperature control

3 ERGONOMICS

- Air-Ride Seats and TouchPoint™ mini-lever hydraulic controls offer added operator comfort
- With no ICE engine running, truck noise levels are much quieter and there are no emissions

4 ENERGY EFFICIENT

- Fast charging times – battery will fully charge in less than 90 minutes
- Truck requires 50kW charger**
- Battery is 90-95% efficient during both operation and charging
- 90% efficient permanent magnet motors


5 LESS PERIODIC MAINTENANCE & SERVICE

- Replacing the ICE drivetrain with electric means reduced serviceable parts for periodic maintenance
- Uses proven Hyster electric rider VSM and display



Model		J155XNSL	J170XNSL	J175XNL36	J190XNL
Power type		Electric	Electric	Electric	Electric
Operator type		Seated rider	Seated rider	Seated rider	Seated rider
Rated capacity	lb (kg)	15,500 (7,000)	17,000 (8,000)	17,500 (8,000)	19,000 (9,000)
Load center, distance	in (mm)	24 (600)	24 (600)	36 (900)	24 (600)
Battery type		Integrated Li-ion	Integrated Li-ion	Integrated Li-ion	Integrated Li-ion
Battery voltage / capacity ¹	V/Ahr	350/192	350/192	350/192	350/192
Traction motor type		Permanent magnet	Permanent magnet	Permanent magnet	Permanent magnet
Pump motor type		Permanent magnet	Permanent magnet	Permanent magnet	Permanent magnet
Traction motor power (S2 60 minute rating)	hp (kW)	60.3 hp (45kW)	60.3 hp (45kW)	60.3 hp (45kW)	60.3 hp (45kW)
Pump motor power (S2 60 minute rating)	hp (kW)	80.4 hp (60kW)	80.4 hp (60kW)	80.4 hp (60kW)	80.4 hp (60kW)
Sound level (with / without cab)	dB(A) LPAZ	68/67	68/67	68/67	68/67
Maximum travel speed, rated load	mph	14.9	14.9	13	13
Maximum lift speed, rated load	ft / min	84.6	78.7	62.9	70.8



© Hyster Company, 2022, all rights reserved. Hyster and  are trademarks of Hyster-Yale Group, Inc. Hyster products are subject to change without notice. Trucks may be shown with optional equipment.

¹ - Nominal values

* High Performance Motors

** See your authorized Hyster® dealer for details on the specific required battery charger.

1012HBC1FC001-E-EN-US-V1R1-072022