

ERP155-190VNL

Powered by 350V Lithium-Ion Technology

The Yale® ERP155-190VNL sit-down counterbalance forklift breaks new ground as a high capacity, indoor/outdoor option powered by an integrated, high voltage lithium-ion battery. The powerful 350-volt lithium-ion technology and electric drivetrain provide the ICE-like performance that heavy-duty applications require, with zero emissions, quick opportunity charging and no maintenance.

WHY 350V LITHIUM-ION?



Consistent, full power during use



Sealed and maintenance free



Fully charges in less than 90 minutes¹



Zero emission w/ no off-gassing

¹ Requires 50kW BorgWarner charger



Yale® 
People. Products. Productivity.™

ERP155-190VNL

A groundbreaking solution for heavy-duty applications

The Yale ERP-VNL series is the industry's first lineup of 15,500-19,000lb. counterbalanced lift trucks powered by an integrated, 350-volt lithium-ion battery. It was designed to satisfy a need for a zero-emission alternative in a high capacity range for both indoor and outdoor operation without sacrificing ICE-like performance.



1 High-voltage battery

- 350-volt, high-power sealed lithium-ion battery
- Longer overall battery cycle life¹
- Quick opportunity charging capability
- Zero emissions and no maintenance

2 Electric drivetrain

- Performs with ICE-like traction and hydraulic performance
- Allows for fine-tuned control of the traction and hydraulic systems
- Liquid cooled for consistent, stable temperature control

3 Energy efficiency

- Fast charging times - reaches full charge in less than 90 minutes²
- Battery is 90-95% efficient during both operation and charging
- 90% efficient permanent magnet motors

4 Operator comfort

- Standard air ride seat and Accutouch mini-lever hydraulic controls help boost operator comfort
- Help keep operators focused and productive with low noise levels and no emissions

5 Ease of service


- Fewer serviceable parts and less periodic maintenance than ICE trucks
- Completely maintenance free lithium-ion battery

GENERAL SPECIFICATIONS ERP155-190VNL

Model		ERP155SVNL	ERP170SVNL	ERP175VNL36	ERP190VNL
Power type		Electric	Electric	Electric	Electric
Rated capacity	lb (kg)	15,500 (7000)	17,000 (8000)	17,500 (8000)	19,000 (9000)
Load center, distance	in (mm)	24 (600)	24 (600)	36 (900)	24 (600)
Travel speed, RL	mph	14.9	14.9	13	13
Lift speed, RL	ft/min	84.6	78.7	62.9	70.8
Battery type		Integrated Li-Ion	Integrated Li-Ion	Integrated Li-Ion	Integrated Li-Ion
Battery voltage/Capacity ³	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

¹ When compared to typical lead-acid batteries. ² Requires 50kW BorgWarner charger; consult your Yale® Dealer for details. ³ Nominal Values



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Trucks may be shown with optional equipment. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale Dealer if any of the information shown is critical to your application. 7/2020