

Diesel - Electric - LPG
SL - Side Loader Platform



SL Series 6600 - 15400 lbs



From 3 ton

Diesel / LPG



7 ton

Electric



The SL platform has a patented highly innovative base design. This new versatile modular concept is based upon a common platform and powered by various motive modules (LPG, Diesel, Electric). Parts support and common maintenance procedures provide for optimum reliability and performance.

High performance, low noise and low emission diesel / LPG engines are located in the power module easily accessible - under cover for protection, with low noise insulation and excellent ventilation. The electric battery pack takes its place on top of the rear portion of the vehicle for fast battery change in multi-shift operations.



Diesel



LPG



Electric



Technology and Development



Cab with floor to ceiling front windshield, sliding glass door and right side double sliding glass windows.



Finger tip electronic controls for hydraulic functions mounted on right side armrest.

Column lever or pedal option for hands free forward/reverse travel.



Safety grid over right side windows and sun roof.



Hydraulic multi-function proportional joystick - simultaneous movements controlled by on board computer. Powerful defrosting system.



Dual pedal control option

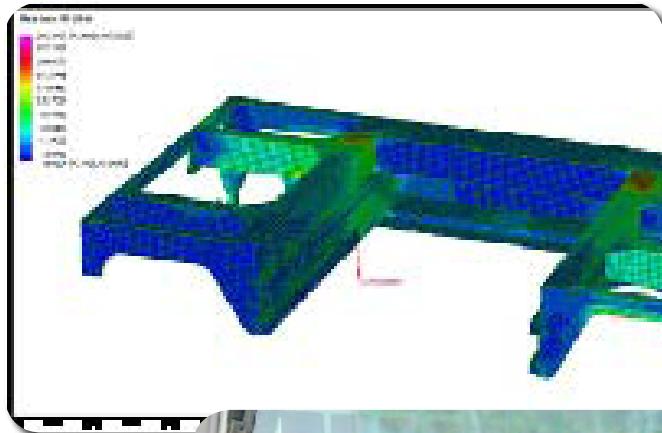


Protected Windows



Powerful Defrost

Innovation and Quality



Chassis structure sized and calculated using FEM methods to guarantee maximum reliability. The SL IC traction is a closed hydrostatic circuit type. The system is composed of one variable displacement pump and two pistons with fixed displacement. The hydraulic motors are mounted directly to the wheel reducer axle. The hydraulic system is load sensing with axial piston variable pump. The control valve is electronic proportional with flow sharing and provides for 5 - 10% fuel savings.



Electronic Control

The SL vehicle is controlled by a central CPU with peripherals such as sensors and actuators all connected via a CAN-BUS system. The LPG or Diesel engine / electric motors, hydrostatic pump & hydraulic movements all operate under this control.



This results in lower energy consumption at equivalent performances. Lower emissions Optimized smooth hydraulic and traction movements Custom settings for operator preferences Centralized trouble shooting with in cabin LED display

Modular Construction

The front steering axle is designed and manufactured completely by BP out of one single piece of steel (NO welds) The servo steering system is a BP proprietary design.



Automatic load stabilizing tilt system with two cylinders mounted under the platform perform tilt function with optimum stability and provides for automatic asset readjustment while traveling.



Torsion welded frame construction for maximum strength and longevity.

Tire options for the extremely versatile SL platform.

	27x10-12	250x15	28x12.5-15	300x15
SL30-40	STANDARD	OPTION	OPTION	OPTION
SL50	STANDARD	OPTION	OPTION	OPTION
SL60	NO	NO	STANDARD	OPTION
SL70	NO	NO	NO	STANDARD

Easy access maintenance covers also provide noise abatement.



BP masts are specifically designed for sideloader torsion forces. The BP duplex mast has a unique 24" free lift. Guides and rollers are fitted on full bearing surfaces - extension guides are replaceable. Fitted with automatic traverse dampening when approaching the end positions.



SL electric platform - traction motors are mounted in place of the hydrostatic motors while all controls remain computer controlled, providing outstanding energy savings.

Innovation and Design

Customize your lift with many available options or let our sales engineers assist you with the design of a custom built vehicle

High Performance Outdoor Electric SLE 50

Local Sales & Service provider



Lateral Handling Specialists.

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