

SwapLoader SL-240 Hooklift

Technical Specifications & Chassis Requirements (24,000 lb. Capacity)

The **SwapLoader SL-240** is a heavy-duty, medium-duty truck hooklift system offering a **24,000 lb. lift and dump capacity**. It is engineered to pair with Class 6 and Class 7 truck chassis. The framework below contains comprehensive dimensional, structural, and hydraulic metrics for outfitting.

Core Dimensions & Capacities

Specification Metric	Value / Requirement
Lift / Dump Capacity	24,000 lb.
Dump Angle	53°
Hoist Weight (Fixed Jib)	3,920 lb.
Hoist Weight (Adjustable Jib)	4,150 lb.
Hook to Rear Roller	159.81"
Hoist Height	9"
Hoist Center of Gravity (CG)	88.0"
Body Longsill Width	40.50" or 41.63"

Container & Body Compatibility

Specification Metric	Value / Requirement
Optimum Body Lengths	14' to 16'
Potential Body Lengths	12' to 18' (12' minimum requires CVS option)
Hook Height (Fixed Jib)	53.88" (53-7/8")
Hook Height (Adjustable Jib)	Hydraulically moves between 53.88" and 61.75" (61-3/4")

Truck Chassis Requirements

Specification Metric	Value / Requirement
Gross Vehicle Weight (GVW) Range	25,000 lb. to 35,000 lb. (Class 6 or 7)
Cab-to-Axle (CA) Dimension	130" to 144" (Single axle setups)
Cab-to-Trunnion (CT) Dimension	118" to 130" (Tandem axle setups)
Required Clear Frame Rail	184" to 186" of usable space
Chassis Frame Height	Up to 43" maximum

Hydraulic System Specifications

Specification Metric	Value / Requirement
Pump Type	Gear pump (4.46 displacement)
Operating Flow	17.4 GPM @ 1,000 Pump RPM
Relief Pressure	2,800 PSI
Hydraulic Reservoir Capacity	25 gallons
Controls	Standard air-shift control valve