

TRUCK MOUNTED LOADER - SPECIFICATIONS

Model L-250-CT

General Loader:

It is the intent of these specifications to describe the "Load Over Cab" type, hydraulically operated loader. The loader is suitable for mounting on a dump truck of adequate G.V.W.R. and equipped with a dump body that has 78 inch minimum inside body width.

It shall be a PB Loader, Model L-250-CT, or approved equal. Make and model of the tilt cab style truck chassis will be furnished at the time of issuance of the purchase order.

Shovel:

Blade shall be a replaceable 1/2" x 6" plow steel.

Sides shall be a 1/2" x 6" plow steel cutting edge, designed to allow operator to load directly against curb. Back of shovel is designed to allow operator to have down pressure on shovel and also back drag material for grading.

Operator shall have positive control of shovel at all times.

Shovel capacity is 1 1/2 cubic yards and the width is not less than 92".

Shovel shall be Clam Shell type.

Clam or front half of shovel is hinged to rear half in such a manner that it opens or closes by hydraulic means.

Shovel is controlled from cab of truck.

Shovel is forward tilting with clam attachment designed to contact the ground 44" ahead of shovel blade.

Shovel is designed to self-load truck to which it is mounted as well as forward loading into other trucks.

Clam will open a minimum of 170°.

Shovel shall be able to pick up solid material without using clam.

Arms:

Arms shall be straight type with box girder type construction.

Arms shall have a minimum inside clearance of 92".

Arms and shovel shall be removable from loader without having to remove entire loader mechanism from truck.

Arms shall be bolted to a solid cross shaft so as to equal load pressure throughout loader system.

Arms will not interfere with opening of truck doors in either loading or traveling position.

Side arms supporting shovel shall pivot on a point immediately behind truck cab and above truck frame.

Loader is supported on a separate frame or directly to truck frame.

Loader:

Loader mechanism will not be mounted lower than any point of truck chassis.

Mechanism shall be mounted in such a manner that weight of unit is distributed between front and rear axle of truck chassis.

Loader shall be powered hydraulically through a compound linkage system by means of a hydraulic pump that is driven from truck transmission power take-off.

Component parts of loader shall be of proper design and size to safely lift a maximum load of 5,000 lbs.

Safety Switches:

The switches shall be installed so that when the power take-off is engaged, the opening of the truck doors will stall the hydraulic power and the loader can not be operated.

Safety switches shall also be installed on the dump body so that if there is an attempt to raise the dump body when the loader is in traveling position this will disengage the power-take off.

Operating:

Only TWO (2) - 8" double acting hydraulic cylinders to operate loader

Only TWO (2) - 2 1/2" double acting hydraulic cylinders to operate clam

Only TWO (2) - 2 1/2" double acting hydraulic cylinders to operate tilt action of shovel

Operating cycle is 15 seconds.

Hydraulic tank capacity shall be a minimum of 15 gallons with a return line filter and an inline suction strainer.

Controls shall be cab mounted and readily accessible to operator from driving position.

Hydraulic cylinders must have chrome finish shaft and adequate dirt wiper seals.

Unit shall be furnished complete and ready for mounting with pump and roller bearing power take-off that is suitable for continuous duty and all other items necessary to make a complete working unit.