

## SPECIFICATIONS FOR EDL SINGLE CYLINDER DIRECT LIFT SERIES LIFTGATES 1,300 LB. CAPACITY

2/09

### I. LIFTGATE FEATURES

- A. Lifting capacity: 1,300 lbs
- B. Maximum bed height: 40"
- C. Electrical connections: Electrical power source is supplied through the vehicle's parking lights. The liftgate is wired via the license plate light wires on the truck. Turning off the parking lights will prevent unauthorized operation of liftgate. The liftgate will not operate without the parking lights in the "ON" position. A 150-amp heavy-duty circuit breaker with manual reset is furnished to protect the battery and electrical system on the vehicle.
- D. Control switch: The control switch is mounted on the curbside of the truck. It is mounted on the outside of the upright and up high enough to be inaccessible to small children. The gate is controlled with a 3-way toggle switch; up-neutral-down.
- E. Plated cylinder shaft: The cylinder shaft is chrome plated to help prevent rusting and improve the gland seal life.
- F. Hydraulics:
  - 1. All hydraulics are covered in the upright housings of the liftgate for weather protection.
  - 2. Electric/hydraulic power unit has a built-in relief valve to prevent the overloading of the liftgate when raising.
  - 3. Liftgate cylinder is located in the curbside upright housing, no cables used as the cylinder does all the lifting.
- G. Gate lifts with upper lift arm/torque tube/cylinder assembly (no cables).
- H. Drop-away platform: The platform of the liftgate will "drop-away" for easy dock and forklift loading direct into the truck bed.
- I. Gates are painted in black electrocoat topcoat.

### II. LIFTGATE SPECIFICATIONS

- A. Liftgate housing: 8 ga. steel front and 12 ga. steel rear
- B. Upright housing: 10 ga. upright steel
- C. Reinforced single wall platform:
  - 12 ga. TPX load skin
  - Three – 1 pc. 12 ga. reinforcing channels which run the full width of the platform

# EAGLELIFT PALFINGER

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- D. Platform floor surface area:
  - EDL-54 = 48" x 30" deep w/tapered edge
  - EDL-58 = 52" x 30" deep w/ tapered edge
  - EDL-60 = 52" x 30" deep w/tapered edge
  - EDL-64 = 57" x 30" deep w/ tapered edge
- E. Platform support links: 1/4" x 1 1/4" steel support links connect the platform to the gate frame for loading surface support
- F. Platform latches: Latches located at the top of the uprights are spring loaded and quick release
- G. 7/8" dia. pins w/snap rings for upper lift arms
- H. There are no cables used in lifting; the cylinder is connected directly to the upper lift arm/torque tube assembly
- I. Cylinder: cylinder has a 2-1/2" dia. bore with a 10" nominal stroke.
- J. Composite bushings: maintenance free bushings at all pivot points to eliminate the needs for lubrication except the torque tube. The torque tube has grease fittings for lubrication.
- K. All the retaining pins for the lift arms, cylinder trunnions, & parallel arms are to be retained by snap rings, not rivets, for easy accessibility.

### III. LIFTGATE OPTIONS

- A. 9" fold out extension and tapered ramp w/torsion spring is available for the platform area
- B. 2-button hard wired hand-held control 2-button system with plug-in
- C. Grated platform (deck span surface) is available as a platform option
- D. Aluminum treadplate platform
- E. Audible safety alarm
- F. Rhino Linings Tuff Stuff® is available as a platform option
- G. Zinc plating is available as a platform option