



## *F370 Rear End Loader*



### **Available in 20, 25 and 31 Cubic Yard Bodies**

The Fanotech F-370 Rear Loader is a true high compaction, heavy duty, light weight machine designed for the high performance segment of the waste industry.

Since its introduction, Fanotech has progressively and consistently improved the product. We can state with confidence that it is a proven quality built performer that excels in all important categories with job proven features.

Fanotech makes extensive use of high strength steels and wear resistant AR material such as Hardox, a product that we have been using for 3 decades. Through the use of these special steels, our engineers have been able to carefully blend them into the design to increase the strength and wear resistance of certain parts resulting in an overall improved product that can be best described as a true light weight heavy duty machine.

Over the years our engineers and designers have continually dedicated time and effort in product improvement to select the best possible tough wear resistant materials, which are expertly applied to the various components to improve durability and useful life. The same concept has been applied to the other vital components and parts such as hydraulic cylinders, valve hoses, lines, etc.

To back up our statement and reputation as a top performing product, Fanotech is offering a comprehensive warranty:

- 1 year complete unit
- 3 years body structural integrity
- 3 years hydraulic system

### **Extended warranty to 5 years also available**

Please refer to Warranty instructions for more details.

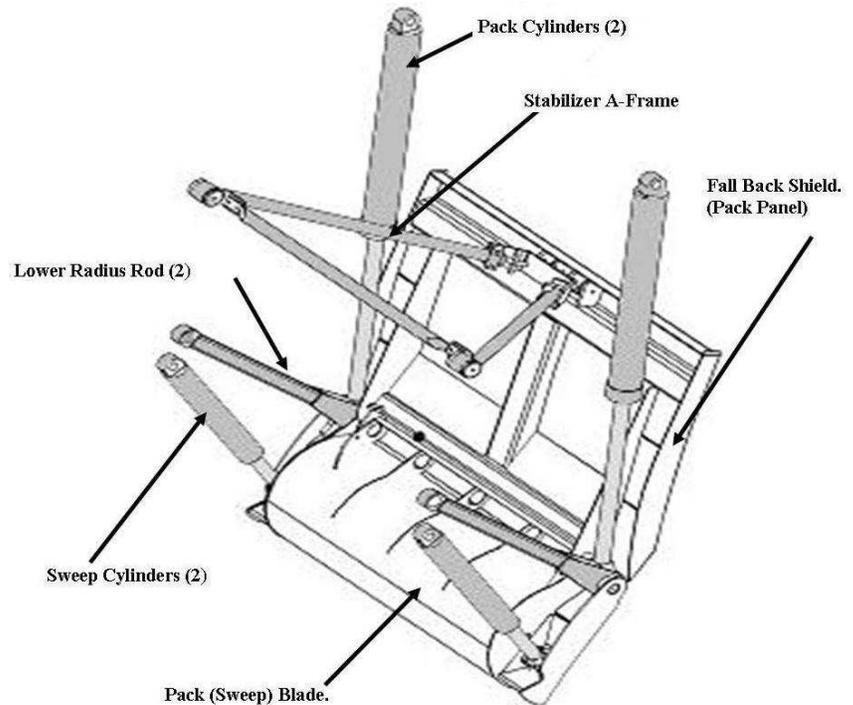
## Features of Fanotech F370 Rear End Loader

The most significant and star feature of the F-370 is the **linkage type packing mechanism** from which have evolved other important and very useful features.

1. Elimination of slide type guide tracks opens the way to a more flexible tailgate design and eliminates the need for periodic replacement of slider shoes.
2. The tailgate construction is **lighter**, eliminating much of the unwanted tailgate **overhanging weight**.
3. **Better weight distribution** and lower overall weight, it pays dividends in **larger legal payloads**.
4. It allows a rather large hopper layout, measuring 3.7 cubic yards swept volume without the weight penalty, with the bonus of better productivity.
5. The quite **fast 26-28 second cycle time**, combined with the large hopper means top efficiency and productivity.
6. Low friction and lower power demand of the linkage pack mechanism, combined with modern diesel engines, high torque output and the latest PTO drives all contribute to low RPM operation of 900 to 1100 RPM, resulting in substantial fuel cost savings.
7. The F-370 tailgate pack system geometry contributed to the reputation of hard to beat top performer; job proven in the toughest conditions.
8. The large hopper is very adaptable to containerized systems.

### Linkage Type Packer System

The Stabilizer A-Frame and Lower Radius Rods, guide the pack shield through a defined path preventing contact with the tailgate side sheets, without the need for Guide Tracks, Rollers or Shoes.



All the features would be worthless unless you add these attributes to the product:

- Low maintenance and repair costs
- High level dependability
- Longevity, long life
- High value retention
- Low cost of ownership

## **Material Specifications**

### **Body:**

Semi Elliptical design, all curved body sections and sides, roof and understructure for increased volumetric efficiency - higher strength and lower weight

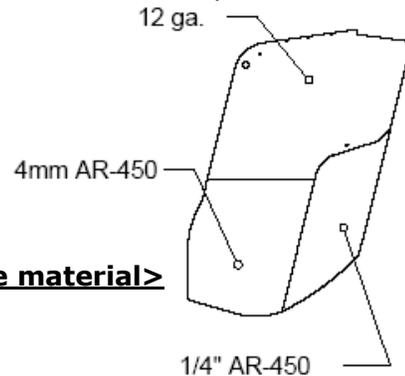
### **Ejector:**

Designed with a curved face to improve strength and volumetric efficiency. Equipped with long life steel shoes. 3 1/2" wide and 3/8" thick AR-450 material running on guide tracks. Also equipped with AR-450 wear bars, designed and sized to last the useful life of the rear loader without replacement.

### **Tailgate:**

Constructed of AR-450 and high strength steel with 80 Yield minimum strength. As indicated on the side layout, the materials have been selected to give the best blend of strength and durability without the weight penalty.

### **Tailgate side material >**



### **Hopper:**

Made exclusively from AR-450 Hardox of either 1/4 or 5/16 thickness depending on final configuration and option package.

### **Packer Blade:**

The face plate is curved to improve strength, made from 1/4 AR-450 Hardox, includes an anti wear tip 4" wide and 3/8 Hardox

Other features include cushioned end and spherical bearings, pivot assemblies used in selected cylinders depending on application.

### **Oil reservoir:**

Capacity 55 gallons or 209 litres, it can be installed on body front or under body, depending on chassis layout. It is equipped with high capacity suction and return filtration. Both filters can be replaced with no loss of hydraulic fluid. The suction is a washable reusable element of 100 mesh equipped with shut off and multiple magnetic trap.

Return line is a 10 micron replaceable element. Other items include as spin on breather, non vented filler cap, level indicator, and drain plug.

### **Hydraulic lines:**

Hose assemblies made exclusively from Parker eliminator hose, highest rated and job proven two braid hose.

Hoses attached to moving components are protected with a nylon tough cover. Steel lines are sized for maximum efficiency and durability, mounted on rubber clamps. Steel lines are run inside of longitudinal skirts and protected from the elements. Lines under body and top of roof have been eliminated.

### **Pump Drives:**

Modern chassis are equipped with high torque diesels and automatic transmissions. Based on this premise, Fanotech has standardized on clutch type PTO's. That will permit packing operation at engine RPM's rang at 900-1100 RPM resulting in low fuel consumption and low noise.

## **Controls**

Single lever controls for ejector and tailgate, located on front left side of body.  
Outside throttle control, mounted on front left side of body.  
Dual lever control for packing mechanism located on right side of tailgate.  
Cab mounted control box with pump (on/off) control, indicator lights for pump on and tailgate ajar.  
Toggle switches for optional equipment and operator signal alarm.

## **Electrical System**

Sealed lockable electrical panel at front of body containing all connections and relays for packer control and body lighting.  
Sealed electrical junction box inside tailgate (top)  
All electrical lines are routed to the rear of the body inside of the left side lower body skirt, protecting them from the elements.  
In cab control box complete with individual circuit breakers, control switches and warning lights.  
All premium LED body lighting.  
Top mounted rear lights, 2 each side, stop, turn and tail.  
Bottom of hopper rear lights, one each side, stop, turn, tail and back up.  
Mid body marker/signal lights.

## **Miscellaneous Equipment**

Sealed Tailgate 28" up each side.  
Automatic tailgate locks-fully adjustable.  
Adjustable side mounted rear steps.  
Splash guard behind rear wheels. (Integral with tailgate)  
Mud flaps in front of rear wheels.  
Body inspection side door.  
Broom and shovel holder.  
Curb side hopper work light  
18" x 18" x 36" Frame mounted steel tool box. (Space permitting)

## **Safety Equipment**

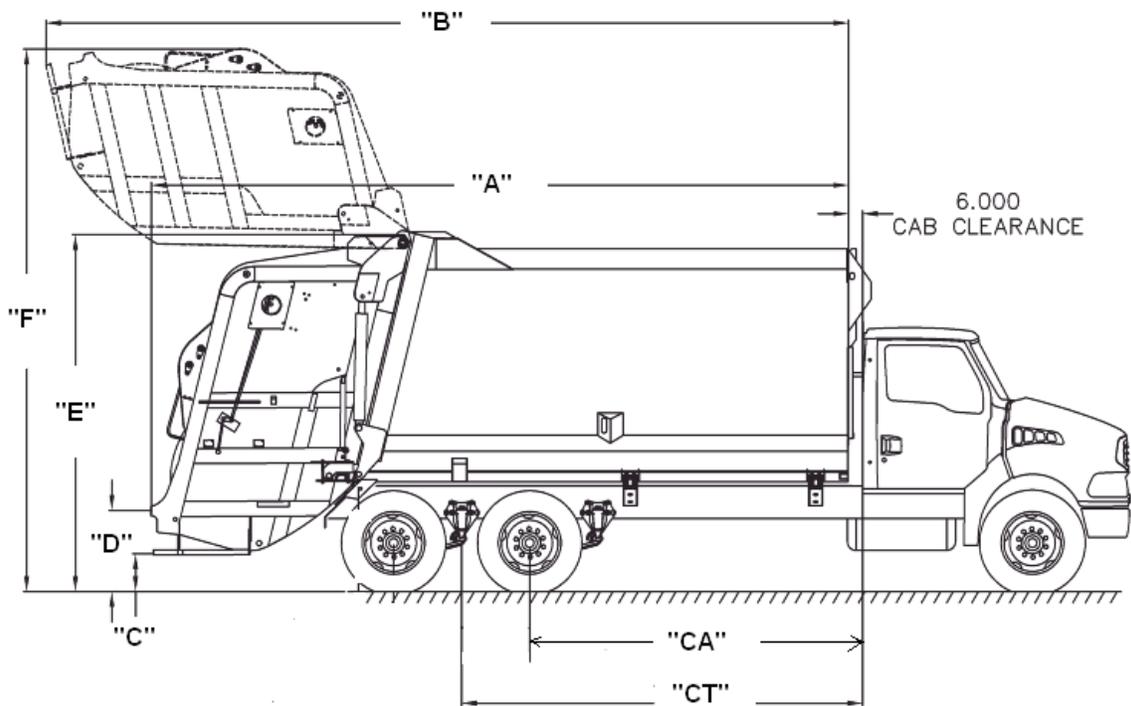
System shut down, and pump deactivation when body inspection door is opened.  
Folding steps and grab handles to enter body front.  
Personnel grab handles on each side of tailgate.  
Hopper corners (at loading sill) mitered 45° to make steps more accessible.  
Tailgate ajar warning buzzer.  
Audible backup alarm.  
Automatic tailgate locking mechanism. Adjustable to maintain proper seal clearance.  
Driver signal buzzer on right side of tailgate.  
Conspicuity reflective tape.

## **Mounting**

Front and mid-body hold downs.  
Dual Spring body hold down. Two on each side of body.  
Rear Mount, rigid to chassis frame. Bolt through frame.

## **Finish prior to Installation**

Sandblasting and cleaning of entire body.  
Two coats of epoxy primer.  
Two finish coats of Sherwin Williams Genesis Acrylic Urethane.



	<b>F370</b>	<b>20</b>	<b>25</b>	<b>31</b>
<b>CA</b>	Back of cab to centre of axle (4x2)	152"		
<b>CT</b>	Back of cab to centre of tandem (6x4)	125"	159"	200"
<b>A</b>	Overall length, body and tailgate. Tailgate closed	242"	277"	317"
<b>B</b>	Overall length, body and tailgate. Tailgate open	284"	318"	358"
<b>C</b>	Riding platform to ground	14" - 18"	14 - 18"	14" - 18"
<b>D</b>	Top of hopper loading sill to ground	6½" below chassis frame	6½" below chassis frame	6½" below chassis frame
<b>E</b>	Ground to top of tailgate...Closed	142"	142"	142"
<b>F</b>	Ground to top of tailgate...Open	215"	215"	215"
	Installed Weight	12,000#	13,500#	15,000#

The above illustration represents a standard equipped unit with no optional equipment. Some dimensions may differ depending on chassis and cab configuration and unladen frame height. Confirm dimensions with engineering department before finalizing order.

*Note: Specifications subject to change without notice.*