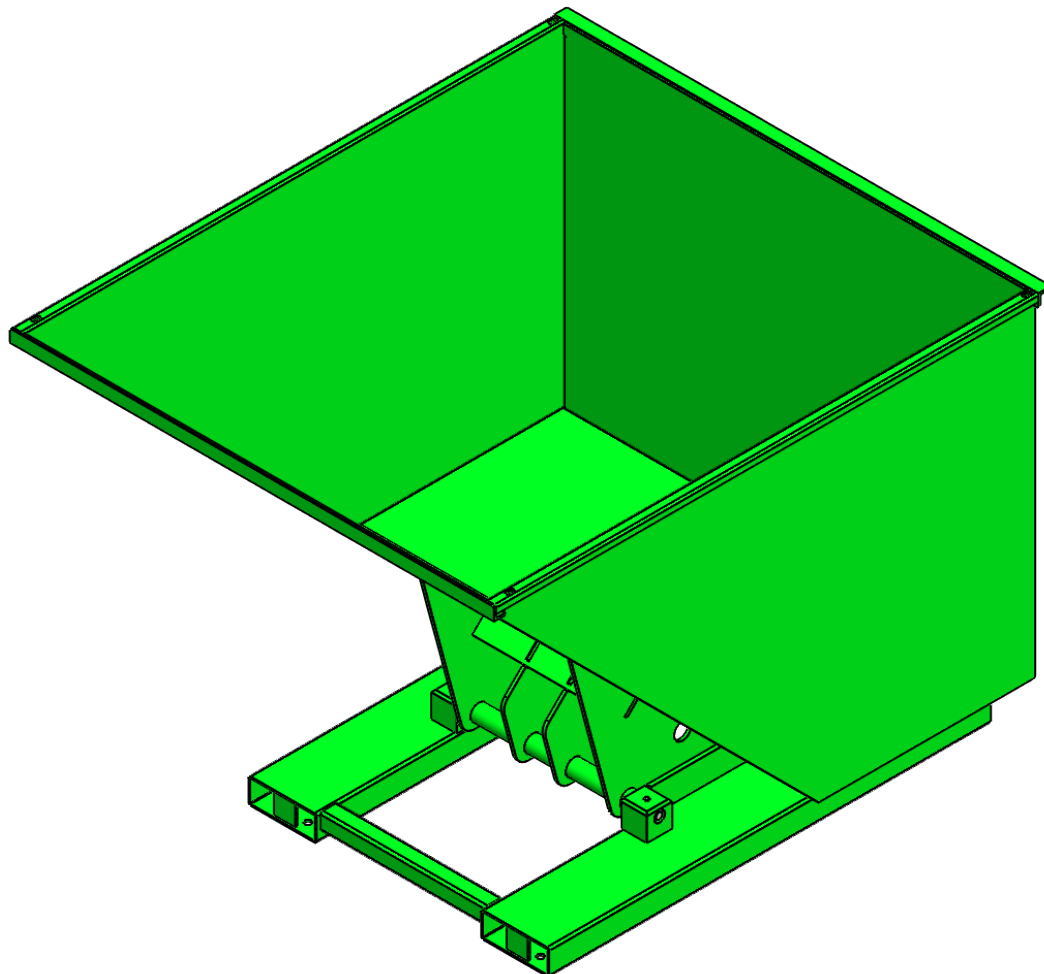




HYDRAULIC DUMPING HOPPER F89139, F89140, F89141, F89142, F89143, F89144



Notice to Purchaser

All statements, technical information, and recommendations related to Valley Craft's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must determine if it is suitable for your intended application or situation. You assume all risks and liability associated with such use or implementation.

Product Testing

We perform vigorous in-house safety and durability testing to ensure that the performance of our products meets the demands of the workplace. We also expect the same from manufacturers who supply components for our products. We do this to ensure that Valley Craft is a name that our customers trust and associate with quality.

Publication Revision Notice

Following is a history of changes to this publication, including the current revision.

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Last Updated: 11/2021

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Safety

Read and understand all safety information and become familiar with all safety symbols contained in this section before moving, operating or performing maintenance on this equipment.

■ Safety Overview

The following general safety precautions must be observed during all phases of operation, service, and repair of this equipment. Failure to comply with these precautions or with specific safety messages elsewhere in this manual may impair the protection provided by the equipment. Such noncompliance would also violate safety standards of design, manufacture, and intended use of the instrument.

- Observe all safety signs posted in your facility.
- Observe warnings, cautions, handling information, storage requirements and other information on all container labels.
- Wear safety glasses with side shields.
- Wear the proper protective clothing, gloves and other protective equipment before handling any chemicals.
- Group the containers for the move by Hazard Class. Do not move acids with toxics, or oxidizers.
- Use maximum care and good judgment in preventing accidents and injuries and seeking first aid.
- Report unsafe conditions, equipment, practices, and on-job injuries.
- Understand your supervisor's instructions. Ask questions if you do not know how to do the job safely.
- Do not engage in tasks which you believe might be unsafe without consulting your supervisor.
- Clean up the work area and equipment upon job completion.
- Before you start work on any electrical system or circuit, check all power sources to ensure that the system or circuit is de-energized.
- Know the hazardous or potentially hazardous substances you work with or are present in your work area. Review Safety Data Sheets (SDS) on these substances, or contact your supervisor.

■ Safety Message Conventions

Three types of safety notices may be contained in this manual: **Danger**, **Warning** and **Caution** notices. These notices precede the procedural step or portion of text that presents the safety hazard.



DANGER

- **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.
-



WARNING

- **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-



CAUTION

- **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices
-

■ **Safety Data Sheets (SDS)**

A Safety Data Sheet (SDS) provides information on the safe use, handling and potential hazards of a product. This information assists with the proper response in the event of an emergency.

Valley Craft maintains safety data sheets (SDSs) on all our products. You are urged to obtain copies of the relevant SDSs before using our products to protect yourself and others against any known health or safety hazards described in these SDSs. Valley Craft strives to make safety a top priority. Do not hesitate to contact us to discuss any safety aspects of our products.

The relevant SDS codes for Valley Craft products are listed below.

- www.conocophillips.com
Super ATF Transmission Oil, SDS Code 778846
Super-Sta Grease, SDS Code 775440
- www.batteriesplus.com
Sealed Lead Acid Battery
SLA for English version
SLA Sp for the Spanish version
- [Paint](#)
Contact Valley Craft Customer Service at 1-800-328-1480 or on the Web at customerservice@valleycraft.com

■ **Additional Safety Information**

As with any mechanical device, care must be taken during the installation, operation, and maintenance of the device in order to realize the maximum benefit from its ownership.

Note: All personnel involved in the use and maintenance of this device should be thoroughly familiar with the information contained in this manual. Furthermore, it is recommended that all personnel be given adequate instruction and a sufficient period of training in its actual use to insure safety of personnel and proper care of the equipment. It is suggested that the units be initially operated empty until becoming familiar with operation of this unit.

Product Description

The **Hydraulic Dumping Hopper** is a fork lift attachment that utilized the fork lift auxiliary ports to power a hydraulic cylinder which dumps the load. This unit comes in 3 different load capacities with 2 volume options.

■ Specifications

The specifications for each configuration are shown in Table 1.

Table 1. Specifications

| SKU | Volume | Load Capacity | Dimensions | Weight |
|--------|----------|---------------|--------------------------------|---------|
| F89139 | 2 Cu Yds | 6000 lbs | 69.3 in L x 57.0 in W x 52in H | 912 lbs |
| F89140 | 2 Cu Yds | 4000 lbs | 69.3 in L x 57.0 in W x 52in H | 781 lbs |
| F89141 | 2 Cu Yds | 2000 lbs | 69.3 in L x 57.0 in W x 52in H | 692 lbs |
| F89142 | 1 Cu Yds | 6000 lbs | 66.3 in L x 35.4 in W x 49in H | 725 lbs |
| F89143 | 1 Cu Yds | 4000 lbs | 66.3 in L x 35.4 in W x 49in H | 637 lbs |
| F89144 | 1 Cu Yds | 2000 lbs | 66.3 in L x 35.4 in W x 49in H | 577 lbs |

■ Features

The **Hydraulic Dumping Hopper** offers state-of-the-art design with the following advanced features.

- Hydraulic dumping cylinder
- Dual counterbalance valve for load holding and controlled dumping
- Robust pivot design

HYDRAULIC DUMPING HOPPER

■ Receiving and Inspecting

When unpacking the **Hyd Dumping Hopper**, inspect the equipment for damage or mishandling. If damage is noted, file a damage claim with the carrier within 24 hours and call Valley Craft at 1-800-328-1480. Do not attempt to use the equipment.

Compare the contents of the shipment with the bill of lading. Report any missing items to the carrier and to Valley Craft immediately.

■ Operating Procedures

Only authorized personnel are permitted to use this attachment.

(Please note: There is a spacer block located inside the end of each fork tube. The purpose of these spacers is to provide a tighter fit for standard thickness forks. For forks that are too thick to fit, the spacers can be knocked out and removed.)

1. Insert forks of lift truck into fork tubes of attachment.
2. Attach the safety chain hooks to the holes on the top or bottom of the base frame of the attachment and wrap around the carriage of lift truck.
3. Attach the hydraulic quick couplers to the auxiliary ports on the lift truck. (shown in Figure 1)
4. Use the lift truck controls to lift the attachment and transport to the dump site.
5. When in position for dumping, use the lift truck auxiliary controls to dump the hopper.
6. Once empty, use the controls to return the hopper to the un-dumped position.
7. If attachment needs to be removed from lift truck, set unit down, remove safety chain from around carriage, unhook hydraulic quick couplers, and back away from the unit.



Figure 1

HYDRAULIC DUMPING HOPPER

Safety

Read and understand all safety information and become familiar with all safety symbols contained in this section before moving, operating or performing maintenance on this equipment.



CAUTION

- It is recommended that all operators practice operation of this unit and its controls with an empty hopper before using it on full loads to familiarize themselves with the machine and to develop safe working habits.
- Maximum lifting capacity is dependant on the specific model and will be either 2000, 4000, or 6000 lbs. Actual capacity may be limited by the size of the lift truck. Always follow lift truck manufacturer's specifications.
- Always transport the hopper in the un-dumped position.
- Ensure proper clearance when moving or dumping the hopper.
- Always evenly distribute load in the hopper, and avoid large parts that would create an overhung load.

Maintenance and Adjustments

■ Maintenance and Adjustment Procedures

To keep the **hydraulic dumping hopper** operating properly, timely maintenance and adjustments are required. These procedures should be performed only by qualified personnel who are familiar with the equipment.

Important:

- **Always disconnect quick couplers from the lift truck before beginning an inspection or repair.**

Before each use:

1. Inspect safety chain and verify it is in good condition. Replace if necessary.
2. Inspect attachment for sharp edges or burrs.
3. Inspect the hydraulic cylinder, counter balance valve, and hoses for any damage, leaks, or punctures.
4. Inspect the unit's structure and welds for damage.

Every 6 months:

1. Inspect and grease pivot points.
2. Inspect all fasteners and tighten if necessary.

Troubleshooting

■ Troubleshooting Procedures

The **Hydraulic Dumping Hopper** is a quality product that is designed and manufactured to provide prolonged service under normal operating conditions. If troubleshooting is required, it should be performed only by qualified personnel who are familiar with the equipment.

| Problem | Possible Cause | Solution |
|---|-----------------------|--|
| Difficult to attach quick couplers to auxiliary valve | Built up pressure | Shut off lift truck and work auxiliary valve back and forth a few times to release pressure. |
| Cylinder leaking | Worn/old o-rings | Replace seals in cylinder |

Replacement

■ Replacement Procedures

Occasionally, it will be necessary to replace a part that has been Damaged or worn. Some parts on this unit are replaceable. If Replacement of a part is required, it should be performed only by Qualified personnel who are familiar with the equipment.

See the following pages for available replacement parts. Identify the part number you need. Contact Valley Craft Customer Service at 1-800-328-1480 or on the Web at customerservice@valleycraft.com.

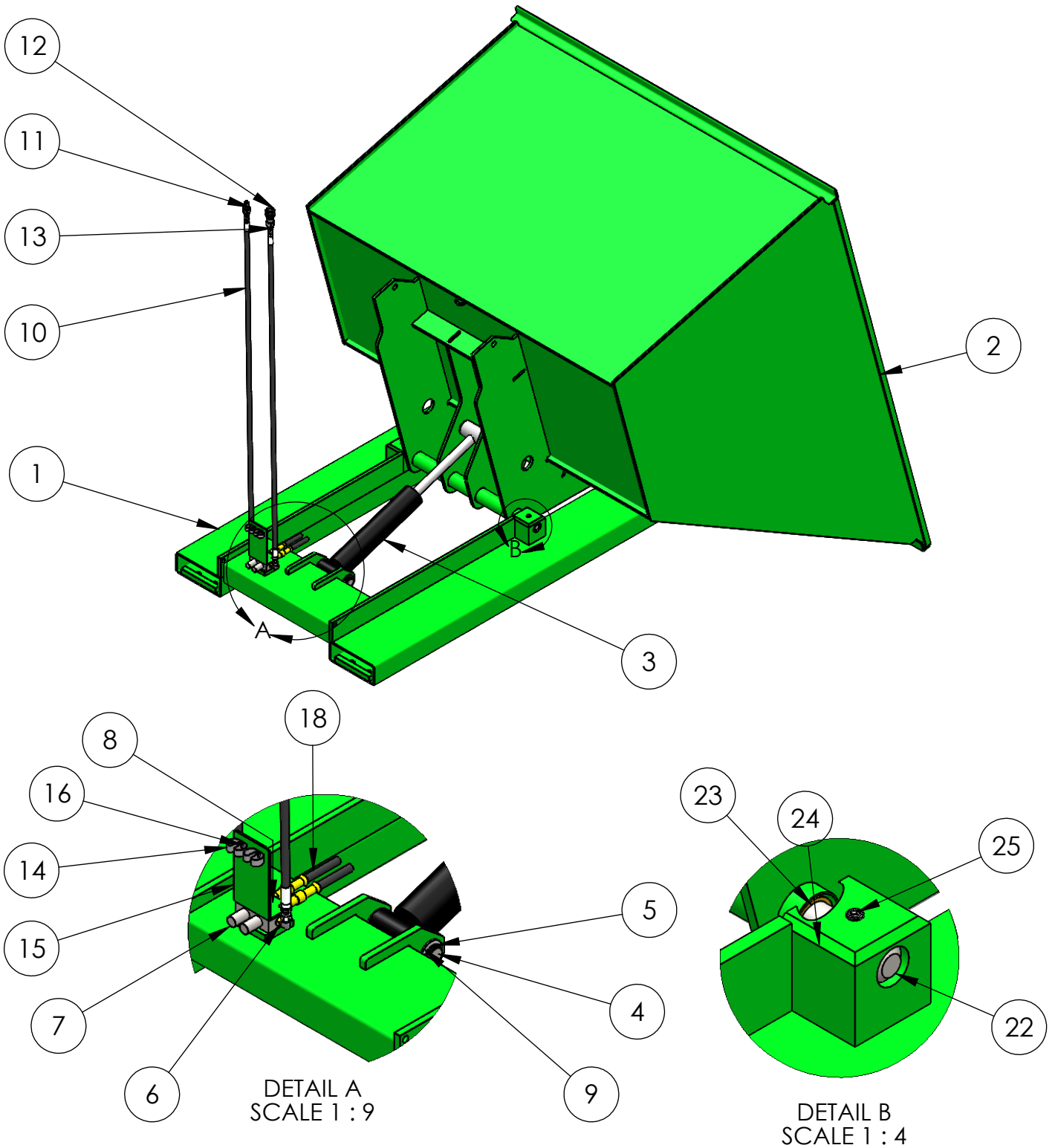
Information required when contacting Valley Craft:

- A. Company name and address
- B. Contact persons name
- C. Telephone number
- D. E-Mail address
- E. Model Number
- F. Date of manufacture
- G. Part number(s) of part(s) to be ordered

The model number and date of manufacture is stamped on a metal tag located on the back of the hopper.

HYDRAULIC DUMPING HOPPER

F89139, F89140, F89141, F89142, F89143, F89144
HYD DUMPING HOPPER

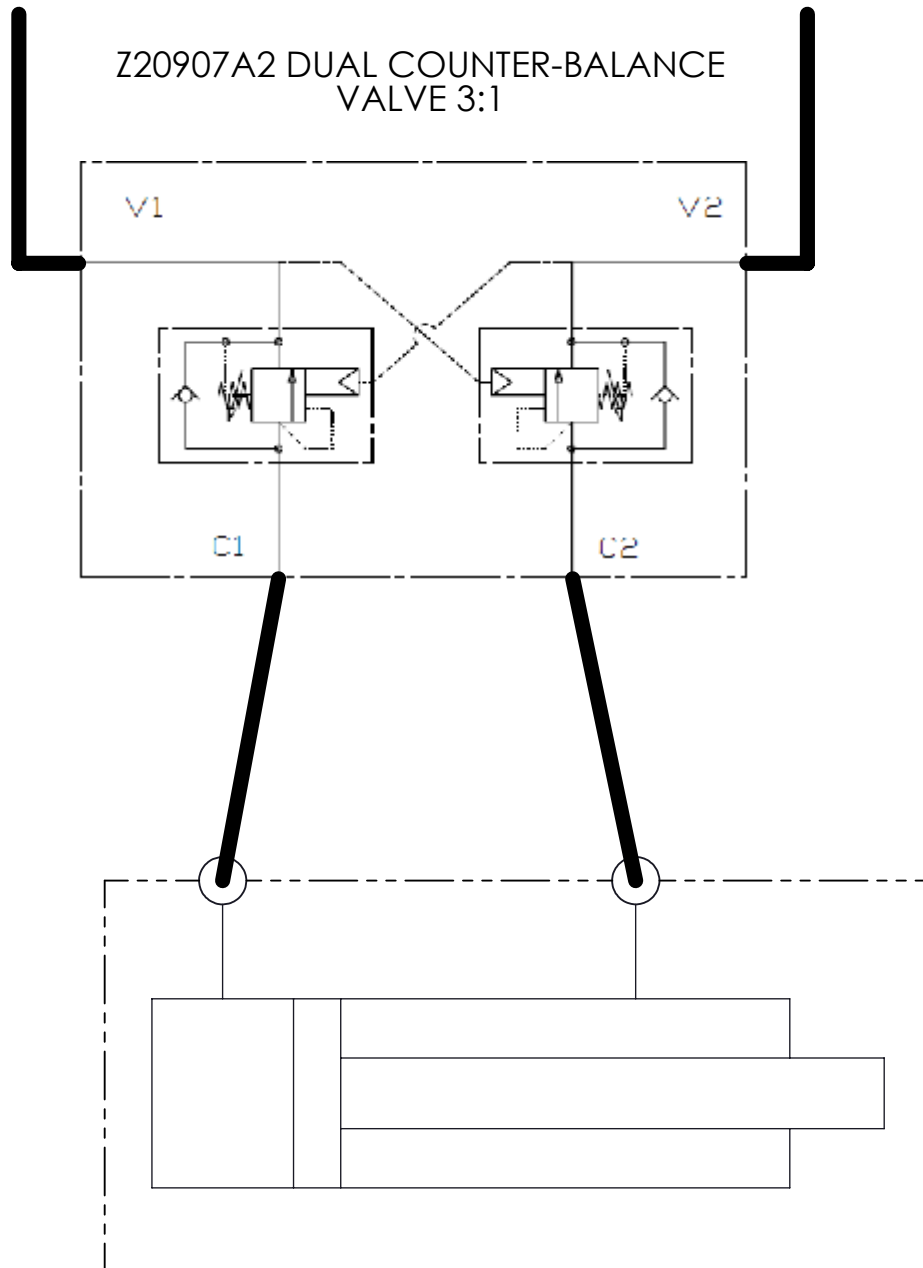


HYDRAULIC DUMPING HOPPER

| ITEM NO. | PART NUMBER | DESCRIPTION | |
|--|--|--|---|
| 1 | F69420A6 | BASE FRAME WLDMT-HYD HOPPER | 1 |
| 2 (ONE OF THESE, DEPENDING ON MODEL) | F69426A2 F69425A1 F69424A0 F69423A9 F69422A8 F69421A7 | HOPPER WLDMT-2 CU YD/6000LB HOPPER WLDMT-2 CU YD/4000LB HOPPER WLDMT-2 CU YD/2000LB HOPPER WLDMT-1 CU YD/6000LB HOPPER WLDMT-1 CU YD/4000LB HOPPER WLDMT-1 CU YD/2000LB | 1 |
| 3 | Z20845A8 | CYL ASSY-UG3 CLAMP 1.13ROD (319392) (STK) | 1 |
| 4 | F57622 | CYL PIN 1.25-HYD HOPPER | 2 |
| 5 | Z10534A4 | RING-RTNG 1-1/4 | 4 |
| 6 | Z20616A6 | FTG 90 6801-4-4 NWO | 4 |
| 7 | Z20907A2 | DUAL CBV 3:1 | 1 |
| 8 | Z20615A7 | FTG STR 6400-4-4-O | 2 |
| 9 | Z10592A2 | BUSH-MACH 1-1/4X10GA ZP | 8 |
| 10 | F61342A7 | HOSE-50.00/613 | 2 |
| 11 | Z20666A6 | CPLR NIPPLE-#6 | 1 |
| 12 | Z20665A7 | CPLR BODY-#6 | 1 |
| 13 | Z20597A5 | FTG STR 6400-4-6-O | 2 |
| 14 | Z11722A8 | TOOL HOLDER-VINYL COATED STEEL | 2 |
| 15 | F57623 | HOSE PORT MNT | 1 |
| 16 | A52059-23 | S-PPH-#6-32X3/8 | 2 |
| 17 | Z11558A3 | NUT-NYL NE #6-32 | 2 |
| 18 | Z20736A8 | HOSE-20.00/613 | 2 |
| 19 | Z10602A2 | WASHER-1/4 FLAT SAE | 2 |
| 20 | Z10212A2 | WASHER-1/4 LOCK MD | 2 |
| 21 | Z10046A4 | S-HHC 1/4-20X1-3/4 FULL THREAD, GR5 | 2 |
| 22 | F57637 | HYD DUMP HOPPER-AXLE-3IN LONG BLOCKS (KAN BAN) | 1 |
| 23 | Z84914A6 | UG-RTB-TILT BRG | 2 |
| 24 | Z10627A7 | ZERK-GREASE .188 DRIVE | 2 |
| 25 | Z10392A4 | S-SHS 1/2-20X1/2 | 2 |

HYDRAULIC DUMPING HOPPER

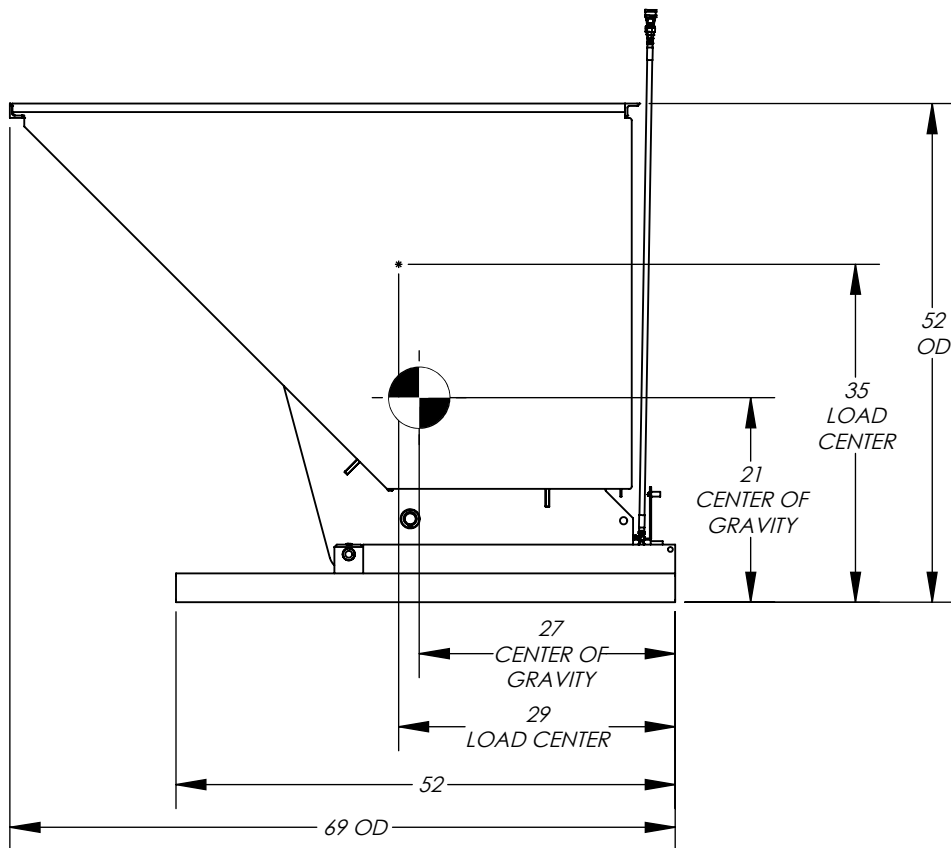
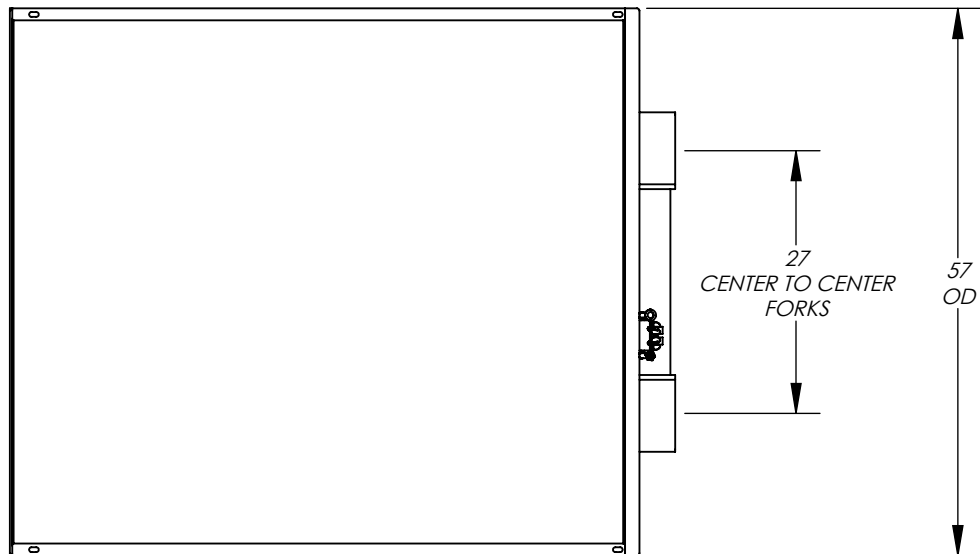
HYDRAULIC SCHEMATIC



Z20845A8 CYL ASSY
2.50" Bore
1.13" Rod
9.50" Stroke

HYDRAULIC DUMPING HOPPER

F89139 LOST LOAD DIMENSIONS

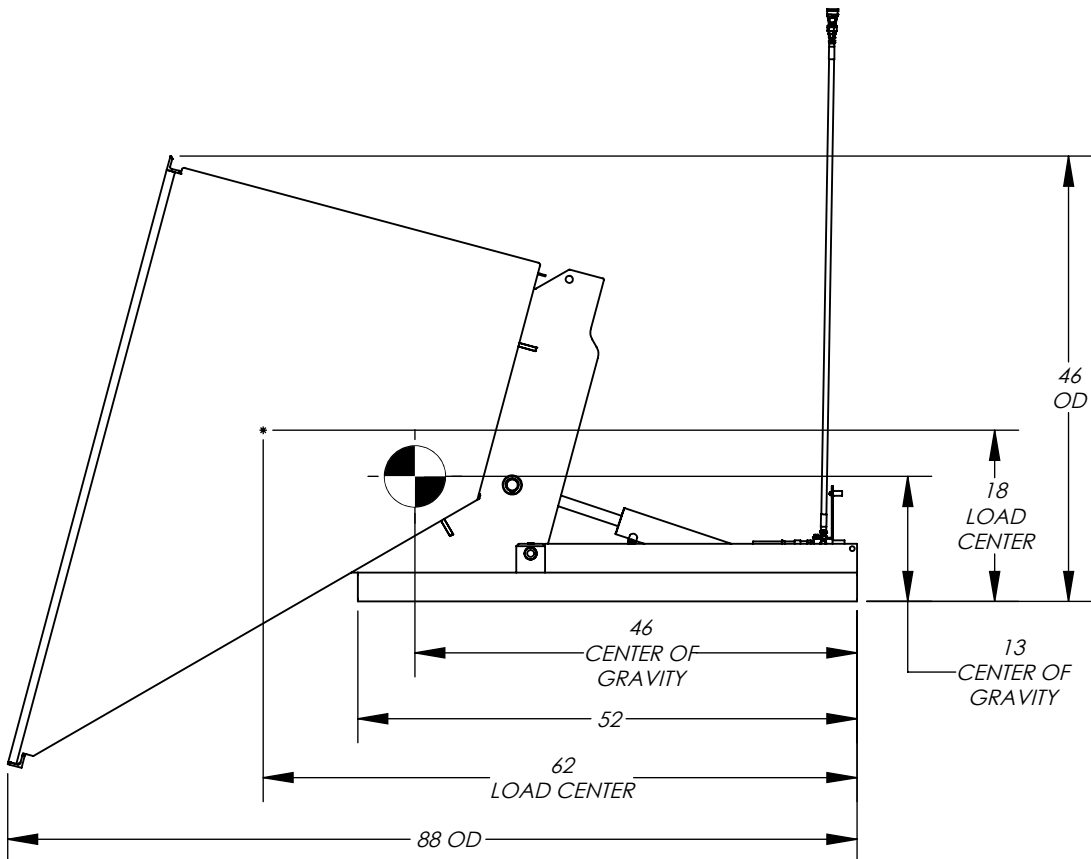
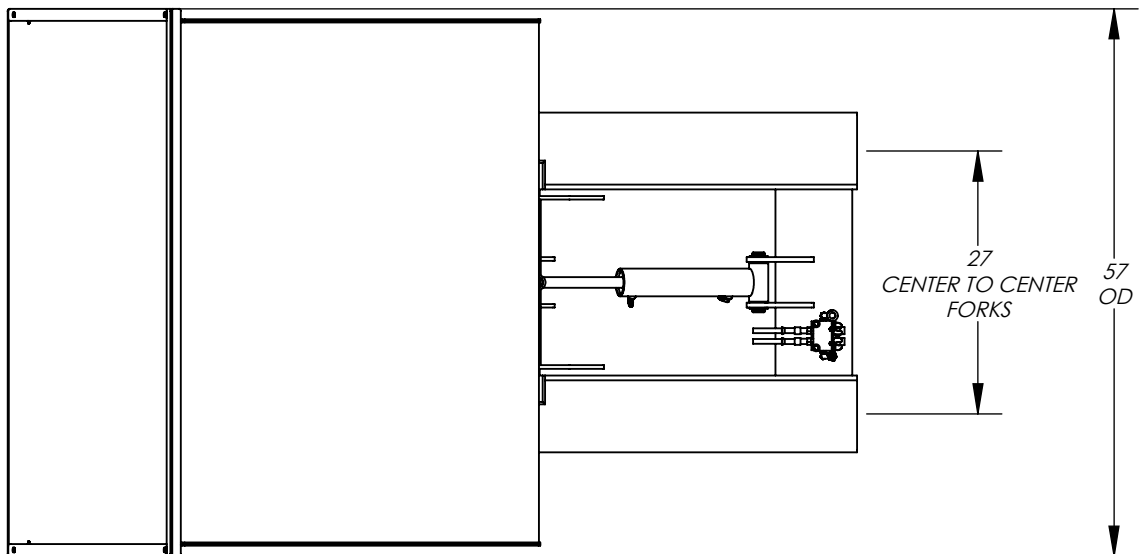


NOTES:

- LOAD CAPACITY 6000 LBS
- WEIGHT 915 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89139 LOST LOAD DIMENSIONS (DUMPED POSITION)

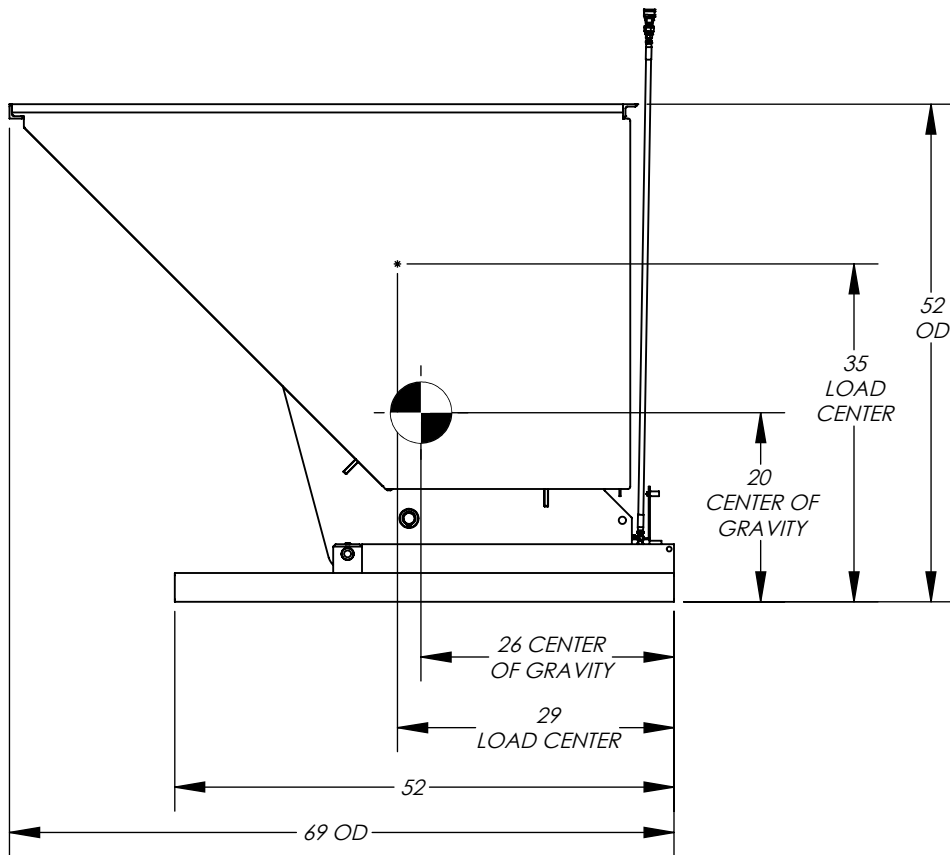
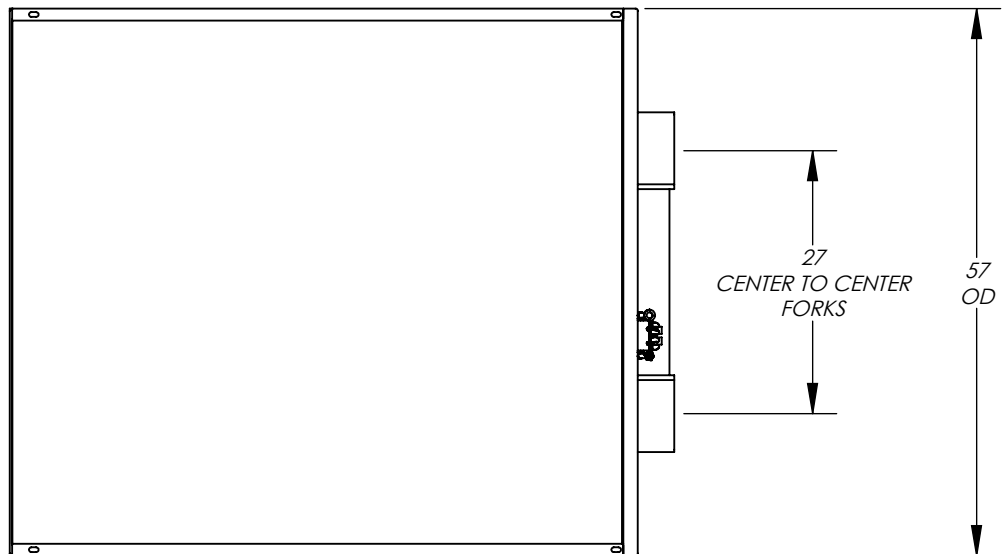


NOTES:

- LOAD CAPACITY 6000 LBS
- WEIGHT 915 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER. THE HOPPER WOULD LIKELY NOT BE FULL WHEN IN THE DUMPED POSITION, THEREFORE THIS LOAD CENTER LOCATION WOULD REPRESENT THE WORST CASE SENARIO.
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89140 LOST LOAD DIMENSIONS

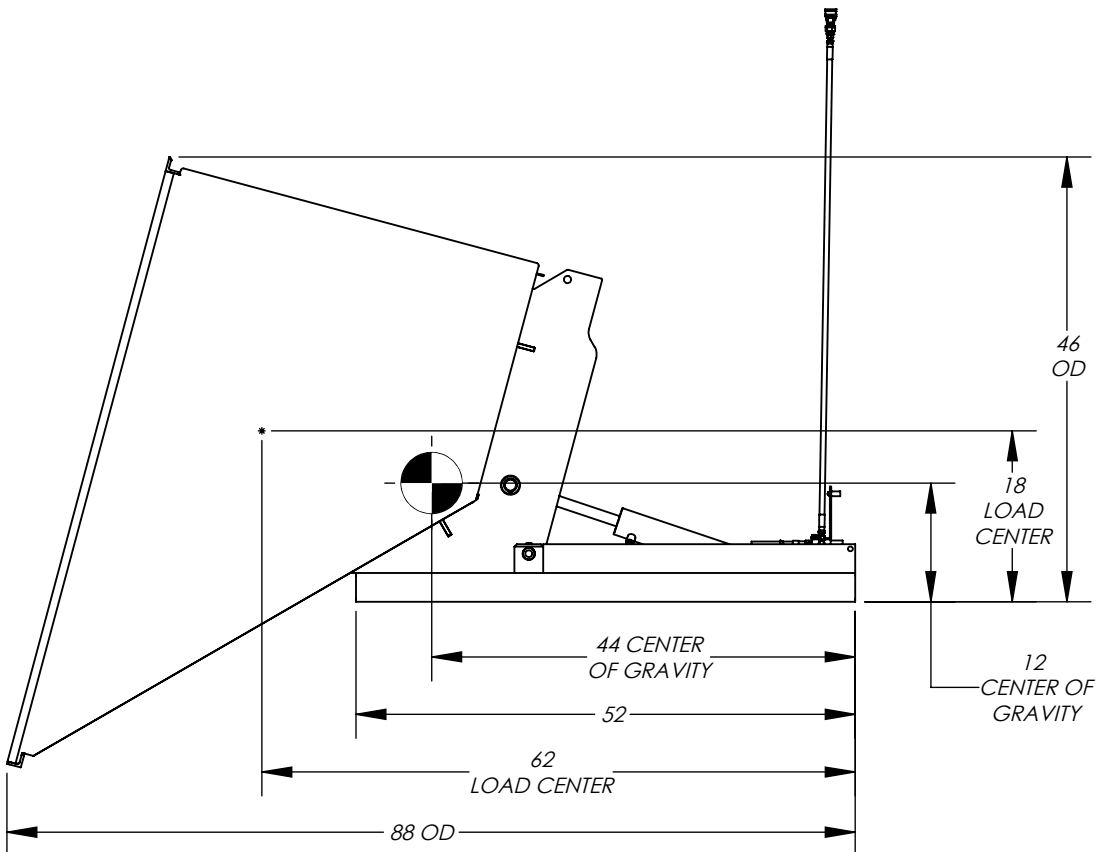
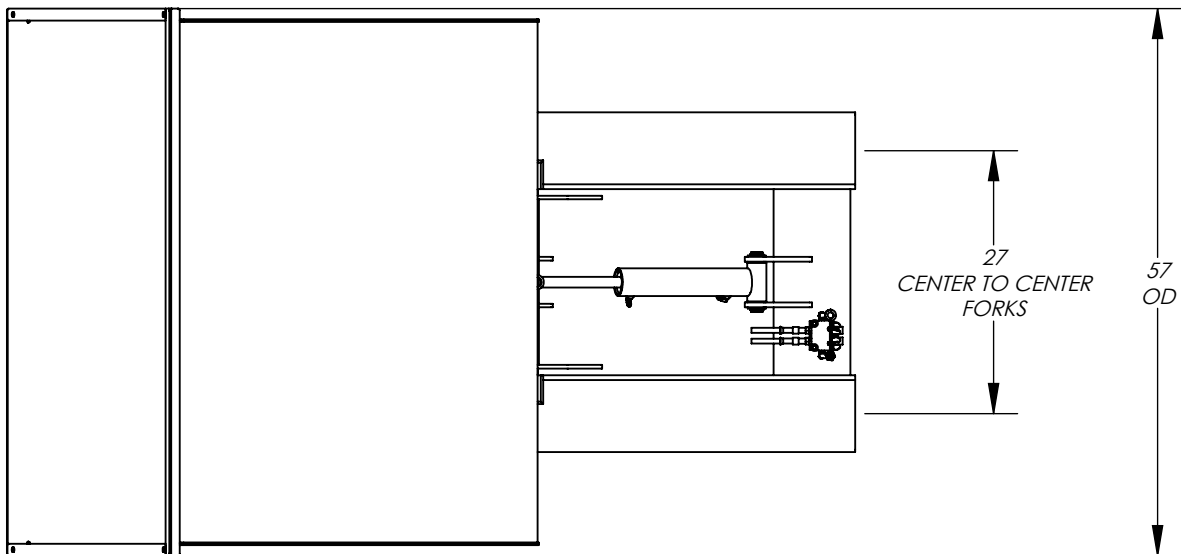


NOTES:

- LOAD CAPACITY 4000 LBS
- WEIGHT 785 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89140 LOST LOAD DIMENSIONS (DUMPED POSITION)

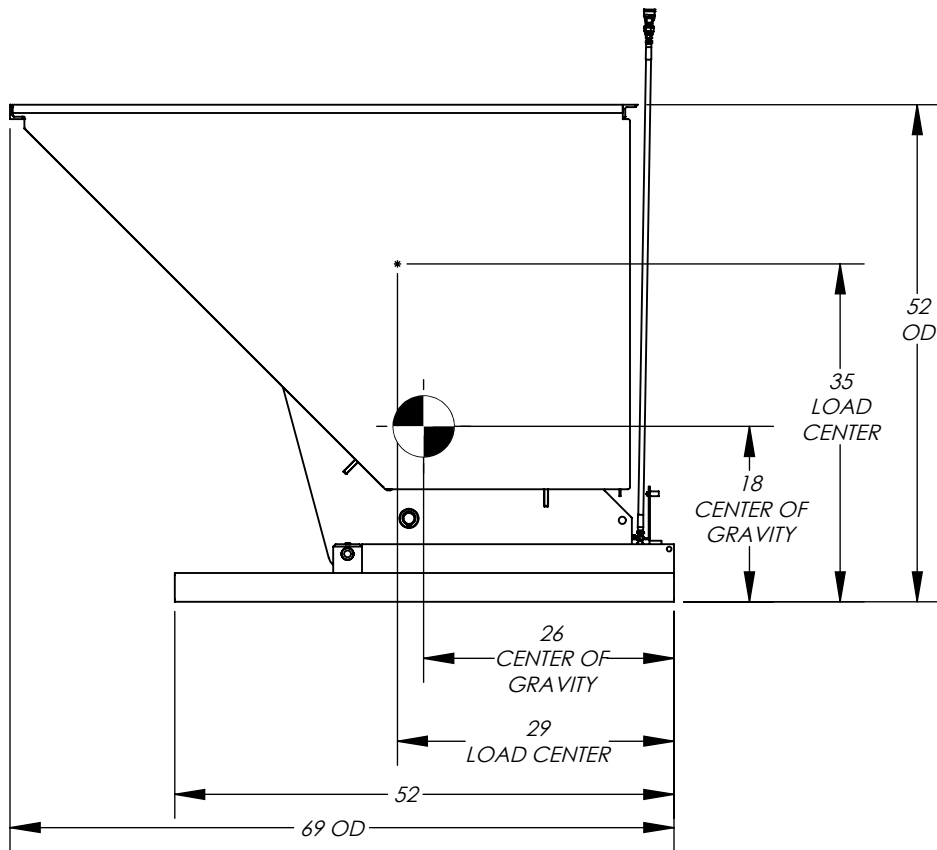
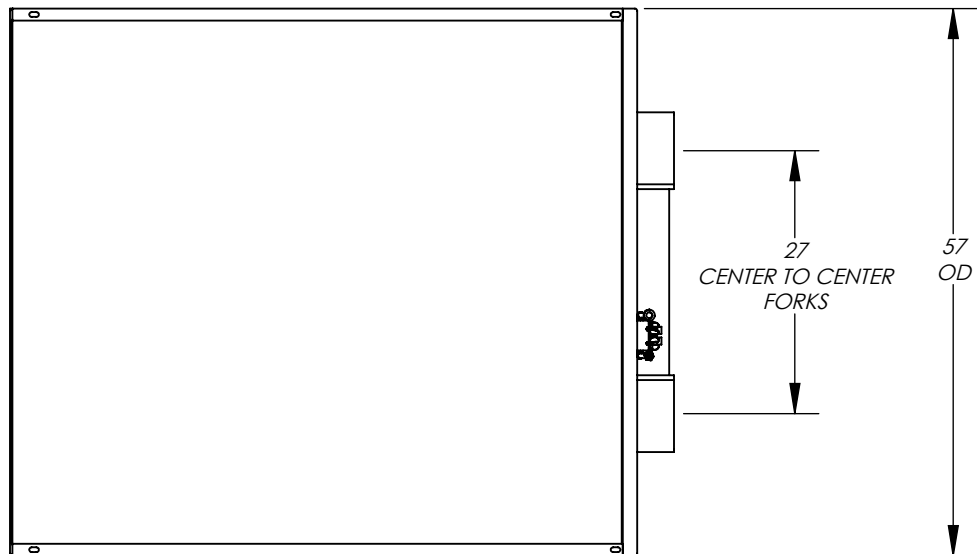


NOTES:

- LOAD CAPACITY 4000 LBS
- WEIGHT 785 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER. THE HOPPER WOULD LIKELY NOT BE FULL WHEN IN THE DUMPED POSITION, THEREFORE THIS LOAD CENTER LOCATION WOULD REPRESENT THE WORST CASE SENARIO.
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89141 LOST LOAD DIMENSIONS

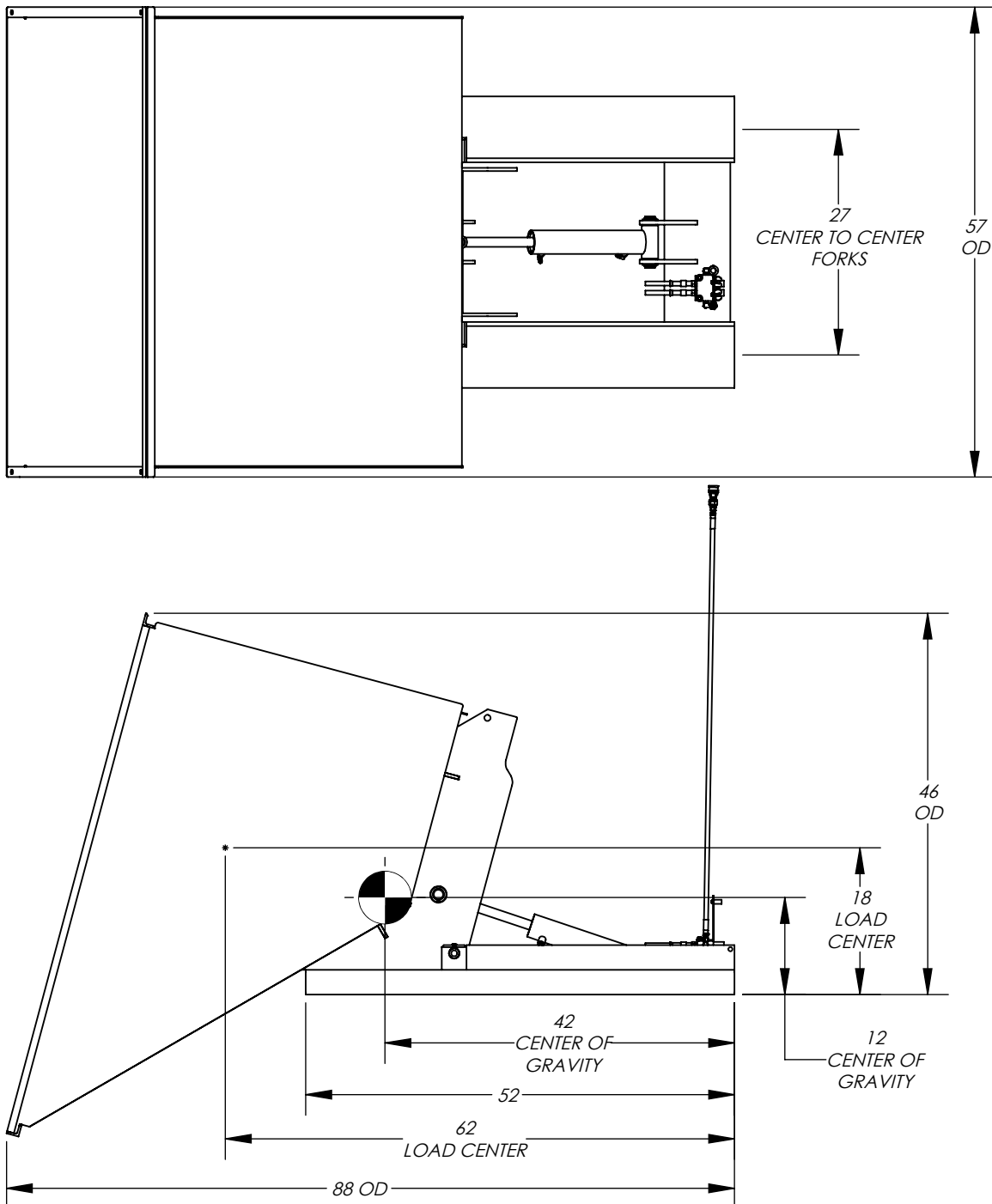


NOTES:

- LOAD CAPACITY 2000 LBS
- WEIGHT 700 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89141 LOST LOAD DIMENSIONS (DUMPED POSITION)

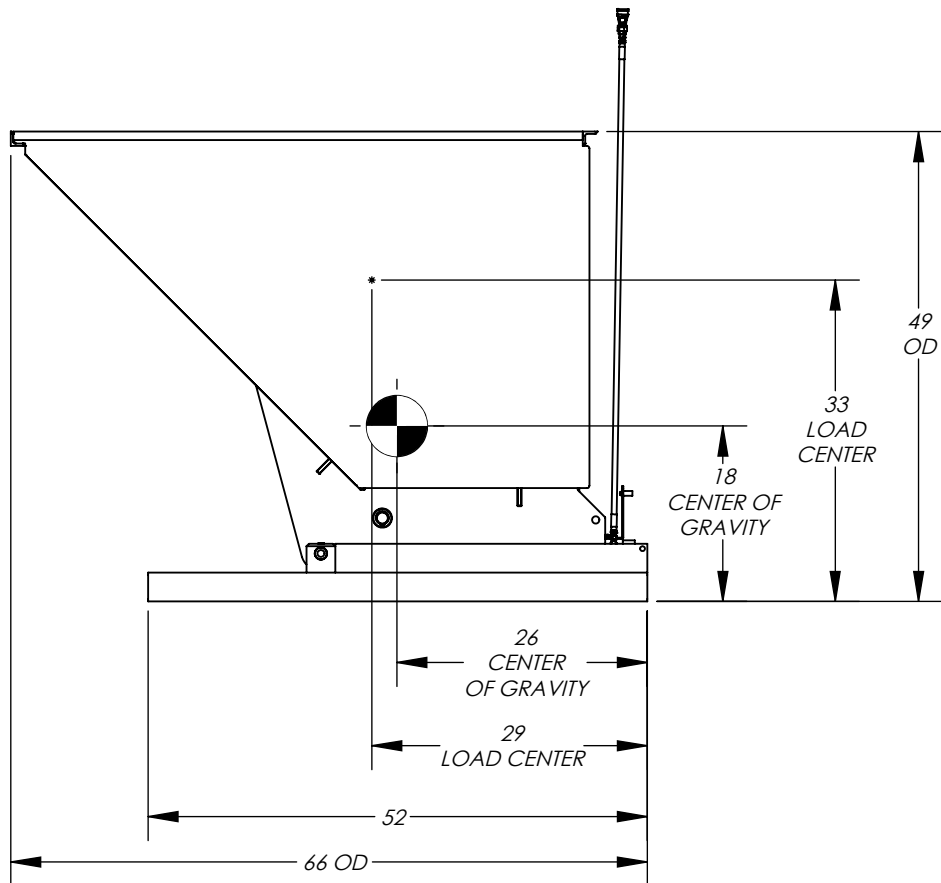
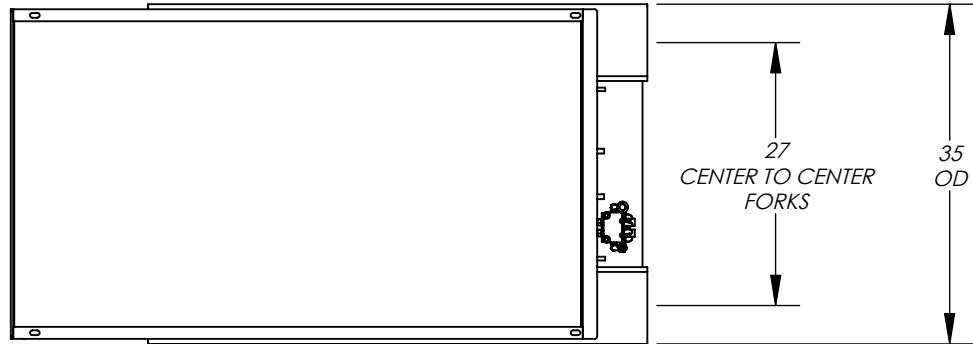


NOTES:

- LOAD CAPACITY 2000 LBS
- WEIGHT 700 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER THE HOPPER WOULD LIKELY NOT BE FULL WHEN IN THE DUMPED POSITION, THEREFORE THIS LOAD CENTER LOCATION WOULD REPRESENT THE WORST CASE SENARIO.
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89142 LOST LOAD DIMENSIONS

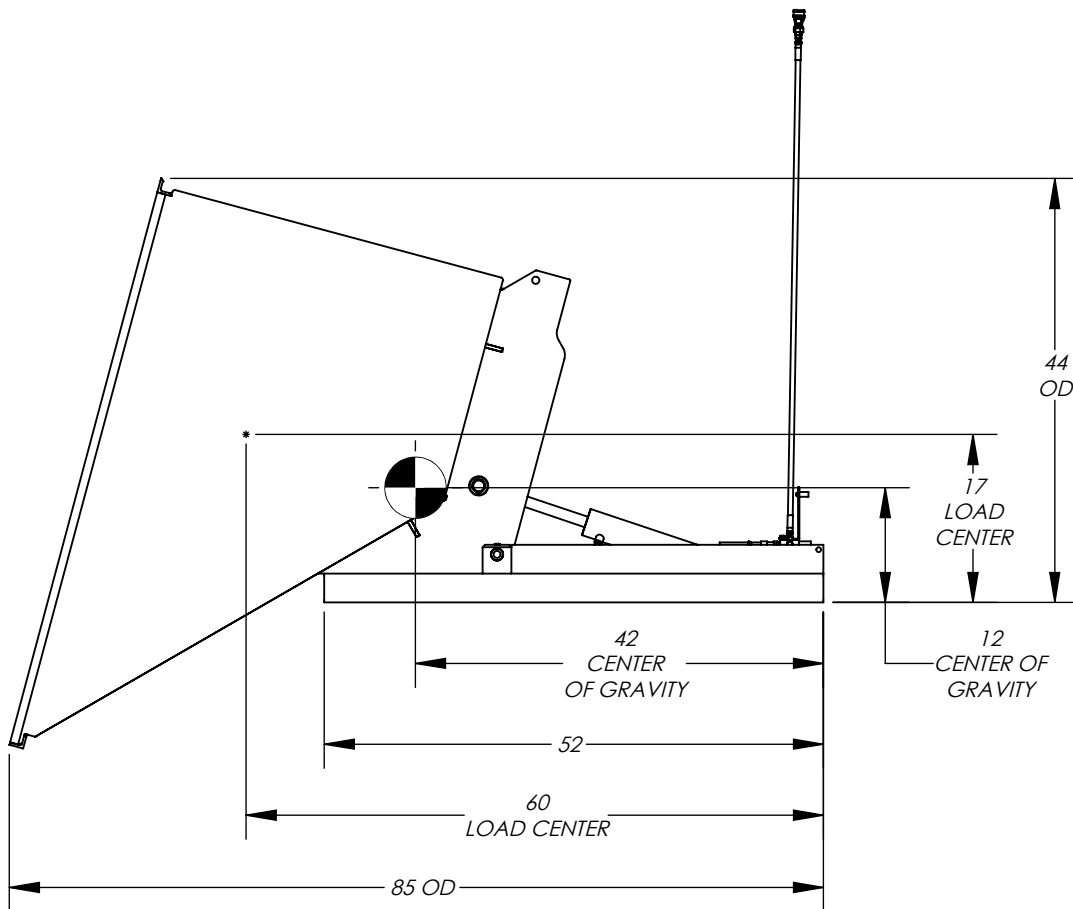
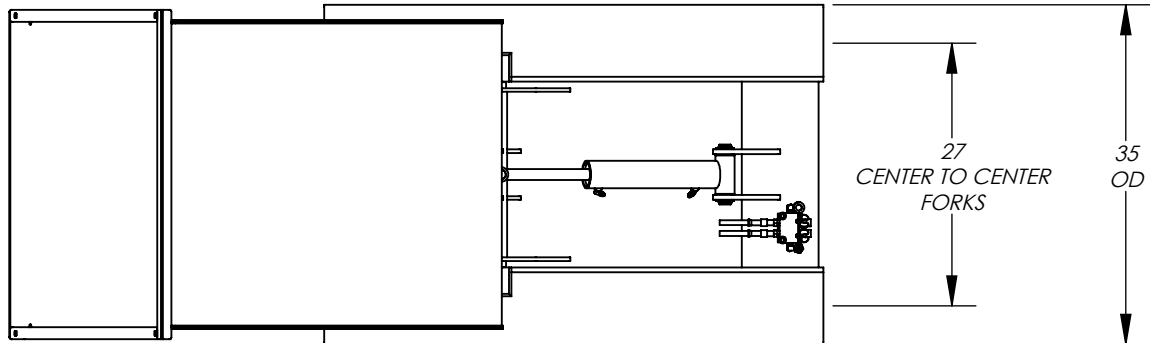


NOTES:

- LOAD CAPACITY 6000 LBS
- WEIGHT 725 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89142 LOST LOAD DIMENSIONS (DUMPED POSITION)

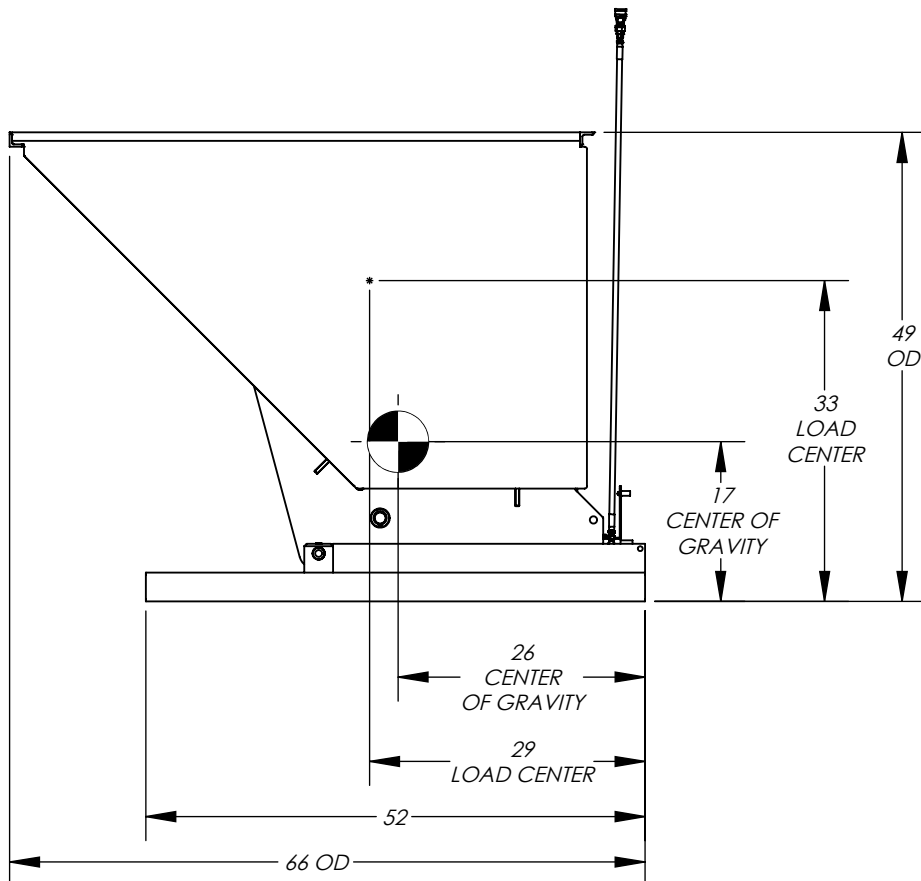
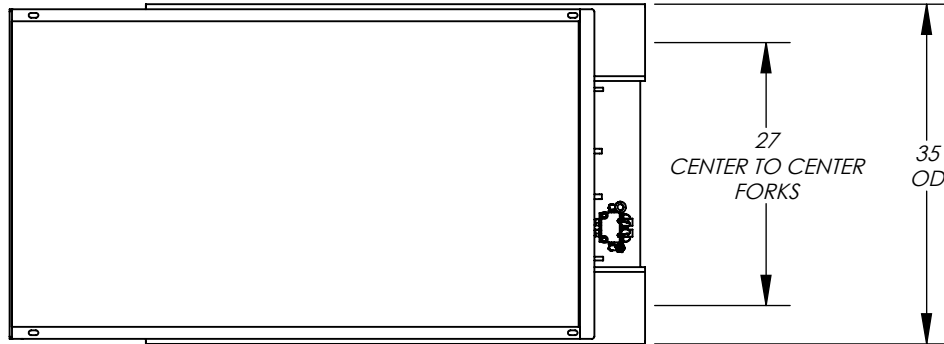


NOTES:

- LOAD CAPACITY 6000 LBS
- WEIGHT 725 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER THE HOPPER WOULD LIKELY NOT BE FULL WHEN IN THE DUMPED POSITION, THEREFORE THIS LOAD CENTER LOCATION WOULD REPRESENT THE WORST CASE SENARIO.
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89143 LOST LOAD DIMENSIONS

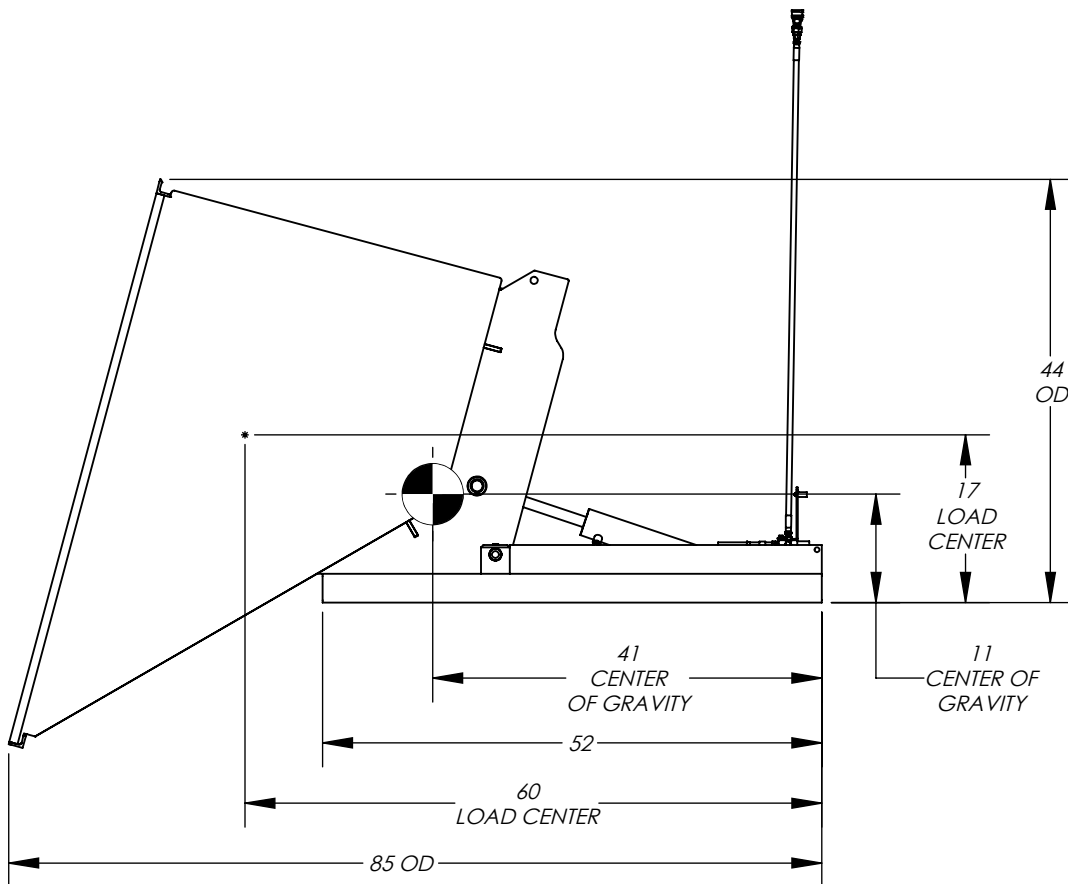
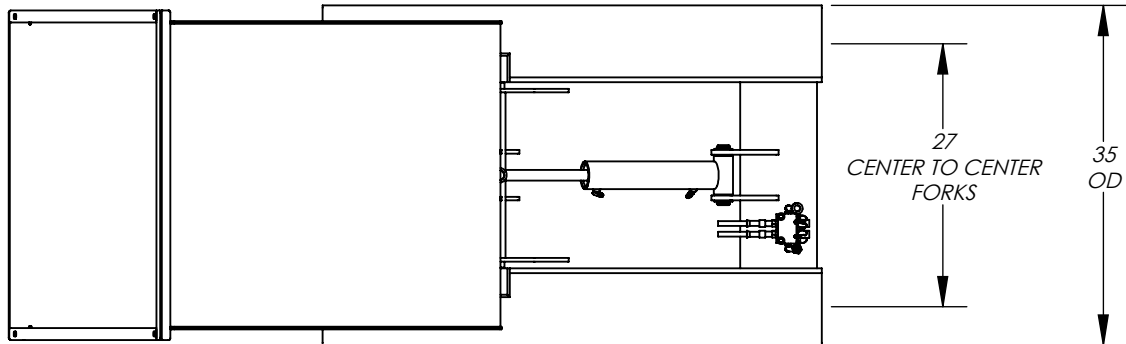


NOTES:

- LOAD CAPACITY 4000 LBS
- WEIGHT 640 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89143 LOST LOAD DIMENSIONS (DUMPED POSITION)

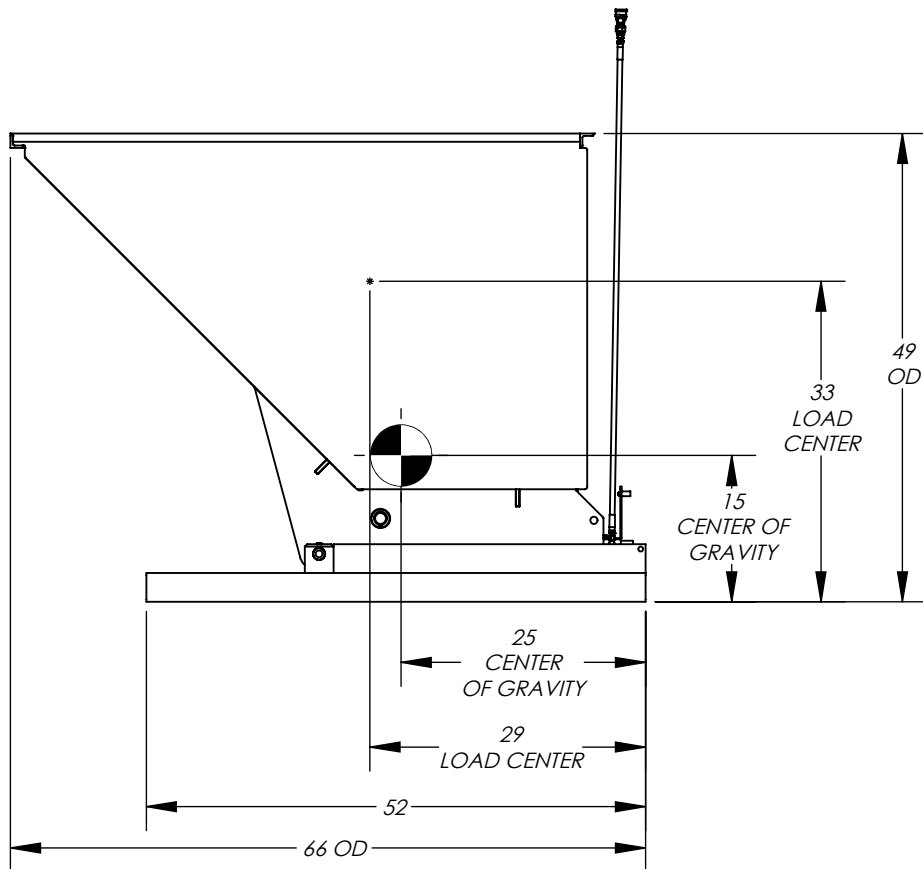
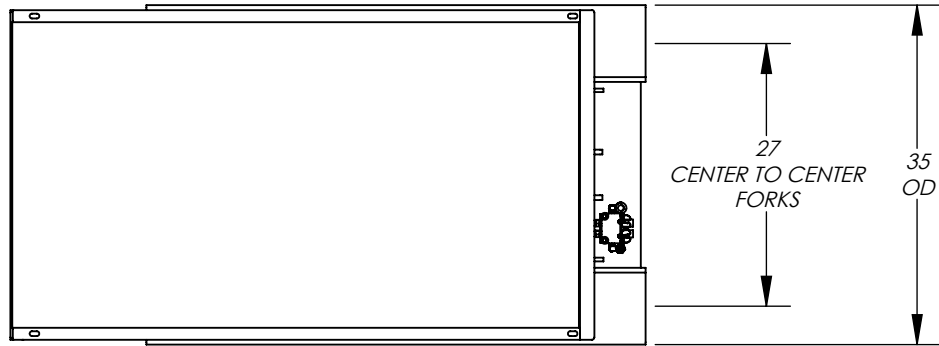


NOTES:

- LOAD CAPACITY 4000 LBS
- WEIGHT 640 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
THE HOPPER WOULD LIKELY NOT BE FULL WHEN IN THE DUMPED POSITION,
THEREFORE THIS LOAD CENTER LOCATION WOULD REPRESENT THE WORST CASE SENARIO.
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89144 LOST LOAD DIMENSIONS

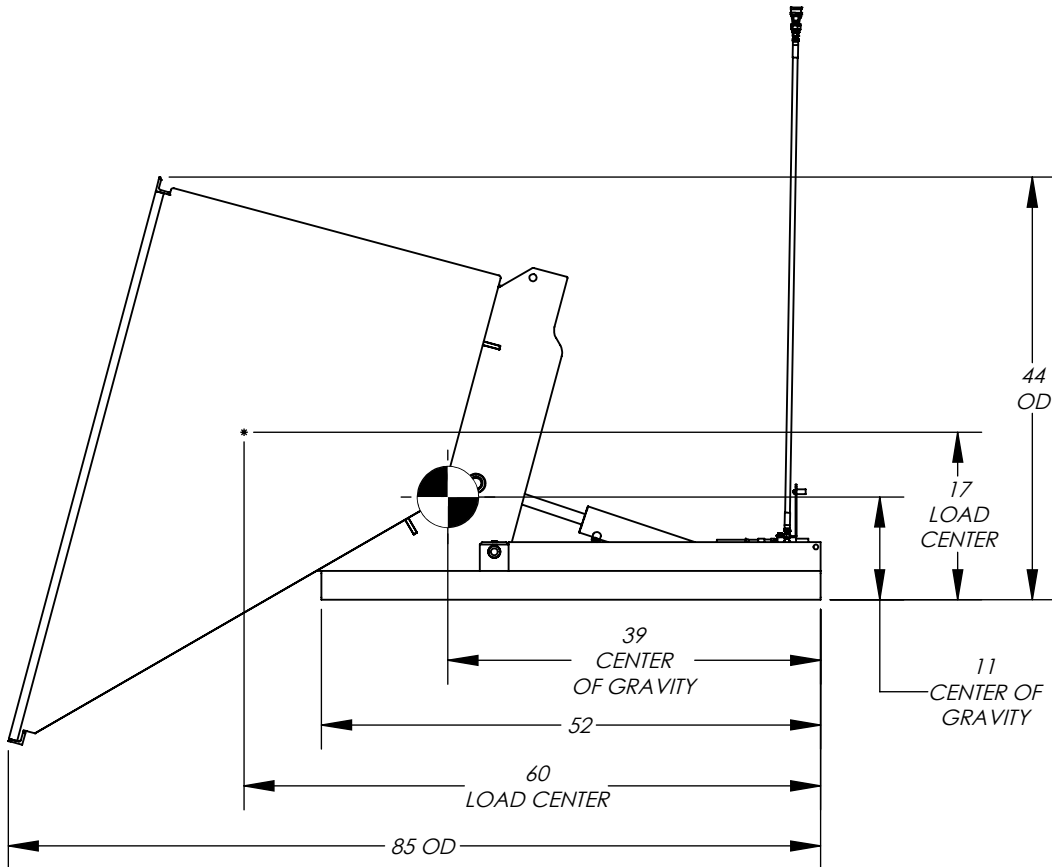
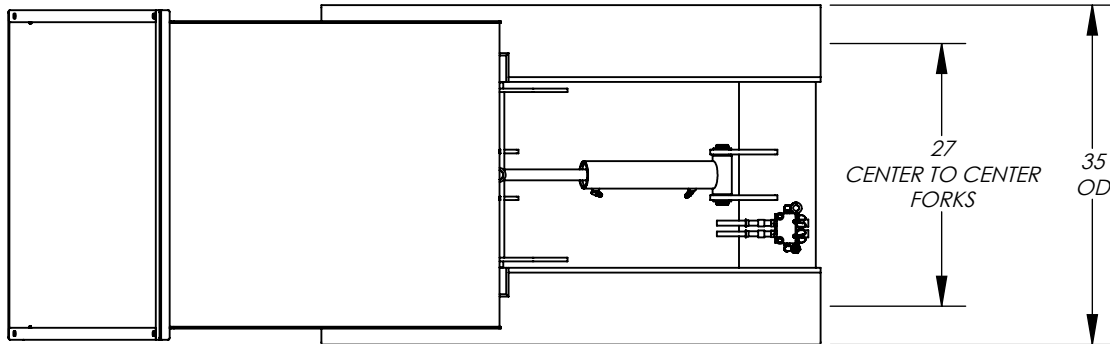


NOTES:

- LOAD CAPACITY 2000 LBS
- WEIGHT 580 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

HYDRAULIC DUMPING HOPPER

F89144 LOST LOAD DIMENSIONS (DUMPED POSITION)



NOTES:

- LOAD CAPACITY 2000 LBS
- WEIGHT 580 LBS
- LOAD CENTER LOCATION IS BASED ON AN EVENLY DISTRIBUTED FULL HOPPER THE HOPPER WOULD LIKELY NOT BE FULL WHEN IN THE DUMPED POSITION, THEREFORE THIS LOAD CENTER LOCATION WOULD REPRESENT THE WORST CASE SENARIO.
- CONTACT LIFT TRUCK MANUFACTURER FOR DOWNRATED CAPACITY

Warranty and Limitation of Liability

Valley Craft products are warranted for a period of one (1) year from date of shipment from Valley Craft's plant to be free from defects in material and workmanship under correct use, normal operation and proper application. However, parts of other than Valley Craft manufacture are subject ONLY to the original manufacturer's warranty. Valley Craft's obligation under warranty shall be limited to repair or exchange, at Valley Craft's option, FOB origin factory, of any Valley Craft product or part which proves to be defective as provided herein. Valley Craft reserves the right to either inspect the product at Buyer's location, or require it to be returned to the factory for inspection. The warranty contained herein does not extend to goods damaged, or subject to accident, abuse or misuse after shipment from Valley Craft's factory, nor to goods altered or repaired by anyone other than an authorized Valley Craft representative.

Buyer or user shall not alter, modify or use a Valley Craft product for anything other than its intended function. Valley Craft shall not in any way be responsible for the consequences of any such alteration, modification or misuse.

VALLEY CRAFT MAKES NO EXPRESS WARRANTIES OTHER THAN THOSE WHICH ARE SPECIFICALLY DESCRIBED HEREIN. Any description of the goods sold hereunder, including any references to Buyer's specifications and any descriptions in catalogs, circulars and other written material published by Valley Craft, is for the sole purpose of identifying such goods and shall not create an express warranty that the goods shall conform to such descriptions.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY STATES VALLEY CRAFT'S ENTIRE AND EXCLUSIVE LIABILITY AND BUYER'S EXCLUSIVE REMEDY FOR ANY CLAIM OR DAMAGES IN CONNECTION WITH VALLEY CRAFT PRODUCTS, THEIR DESIGN. SUITABILITY FOR USE, INSTALLATION OR OPERATION OR FOR ANY CLAIMED DEFECTS. VALLEY CRAFT WILL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, NOR FOR ANY SUM IN EXCESS OF THE PRICE RECEIVED FOR THE GOODS FOR WHICH LIABILITY IS CLAIMED.

Technical Assistance/Warranty Procedure

What's Covered:

- Parts and Labor to correct manufacturer's defect within one year of purchase.
- Freight Cost

What's Not:

- Normal wear items (seal kits, bearings, tires, etc.)

What Voids the Warranty:

- Dirt/Grime that directly causes malfunction of product
 - Abuse (i.e. Overloading, damaged, not properly maintained, etc.)
 - Product altered by customer
- *See "Items not Under Warranty" below for items that have the warranty voided.

Items Under Warranty (less than one year old):

- Warranty replacement parts are provided only when the problem can be identified with near certainty. If not, the customer will return item to Valley Craft, freight collect, for troubleshooting and/or repair. When repaired, product will be returned to customer,



Valley Craft is a family-owned company based in Minnesota. Founded in 1953 with the introduction of the first hand truck with a brake, Valley Craft has grown to be a world class manufacturer known for producing material handling, storage, and safety solutions that truly stand the test of time.

Our commitment to building only the most rugged and reliable products - together with a relentless and uncompromising dedication to customer satisfaction is what sets Valley Craft apart.

Through thoughtful and intelligent design, we have helped transform the way people work. Over the years, we have helped solve some of the most complex material handling challenges. We help our customers to become better organized and to work smarter, safer, and more efficiently. As our breadth of products continues to evolve with every new innovation, our core values stay the same:

Professional Grade Quality.... Built to Last.... Made in the U.S.A.

Valley Craft, Inc.

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