

**27T Swing Thru 60,000 lb. lifting capacity double sided container handler, mounted on an Express Welding 96,000 Lb. GVWR Trombone Trailer for loading 20'- 40' containers**

**Express Welding Trombone Trailer** manufactured in Escanaba, MI.

Twin Beam telescoping frame (20' to 40' variable container lengths possible)

- Designed for a 48" 5<sup>th</sup> wheel height
- Overall trailer length with 20' container is 30'8", with 40' it is 50'8" with diesel powered APU
- Gooseneck mounted air control for lengthening and shortening trailer from 20' to 40' containers
- **STD:** 84" 5<sup>th</sup> wheel swing clearance and longer is **optional**
- (2) Speed landing gear set
- 275/70R22.5 Radial tires on 10 bolt piloted steel wheels
- 25,000 lb. axles with air ride suspension
- The number of axles and spacing of axles is **optional**
- Air suspension dump valve at the rear of the trailer, for loading and unloading containers
- Twist Lock style container securements
- (4) Twist Lock extensions for containers without gooseneck tunnels
- Rear Bumper has brake & turn LED signals, strobe LED's, 3-center LED ID lights, side marker LED's, license plate lamp, and floodlights on rear corners
- Mid-span marker LED's
- Side marker LED's on end of front twist lock support arm
- E-Chain inside of the sliding tubes with hoses and electrical wiring
- Right side storage basket
- Left side storage area with a locking toolbox
- Fenders are **optional**
- **STD:** trailer paint is black and other colors are **optional**
  
- **27T Swing Thru Fixed Crane System** with 60,000 lb. lifting capacity hydraulic operated booms
- 5/8" Grade 80 lifting chains with shorting elements and ISO container lifting lugs
- Manually controlled hydraulic stabilizing legs are located at all four corners of crane sets
- (2) slam down stabilizing legs and (2) over-the-deck stabilizing legs.
- Over-the-deck legs allows another chassis to be backed under the legs for loading
- **Safety:** Stabilizer leg minimum pressure system lights up when legs are properly deployed
- **Safety:** Load Security system at 90% of rated lift amber lights will illuminate. At 100% partial system cut out will activate with audible alarm and red light. When overload is detected the operator can rest the machine by retracting the boom load.
- **Safety:** Hydraulic cylinders have pilot operated check valves, or counter balance valves to ensure smooth operation and safety against hose failure or cylinder creep
- **STD:** manually operated hydraulic boom controls are mounted at both rear corners of the trailer for better visibility
- With a 48" 5<sup>th</sup> wheel height the Swing Thru transport height is 13'6"
- Transport height with a STD container on a 48" 5<sup>th</sup> wheel height and booms in parked position is 13'6" (Parked position means head of boom off to the side but no wider then 102")
- Transport height with a 40' high cube (with the container tunnel straddling the gooseneck) is 13'6" with a 48" 5<sup>th</sup> wheel height
- Overall weight is 31,600 lb. (Trailer, Swing Thru and diesel power APU)

**In order to operate the Swing Thru you will need to pick one of the two optional hydraulic systems.**

- **Optional:** “PTO” requirement for operation of the Swing Thru is a semi tractor mounted PTO hydraulic system. The system must meet all of Swing Thru’s requirements. The trucks PTO gear box must be able to supply 55 to 60 HP. A double pump with each section delivering at the same time the following requirements: 98 ft/lbs of torque at 3600 PSI with (9.68 GPM each section) of oil at 3,600 PSI, oil tank reservoir of 53 gallons with a 10 micron filter on the return line. The tank return filter must be able to pass a minimum of 35 GPM from a cold start.
- **Optional:** “Diesel” powered “APU” self contained hydraulic system with double hydraulic pumps, oil reservoir and filter. A liquid cooled diesel engine with 12 volt electric starter
- **Optional:** 24”x24”x1.5” engineered plastic stabilizer leg pads for soft ground
- **Optional:** Wireless remote controlled booms or extension cord remote controls
- **Optional:** Special order paint
- **Optional:** In-cab mounted air controls for lengthening and shortening of trailer