

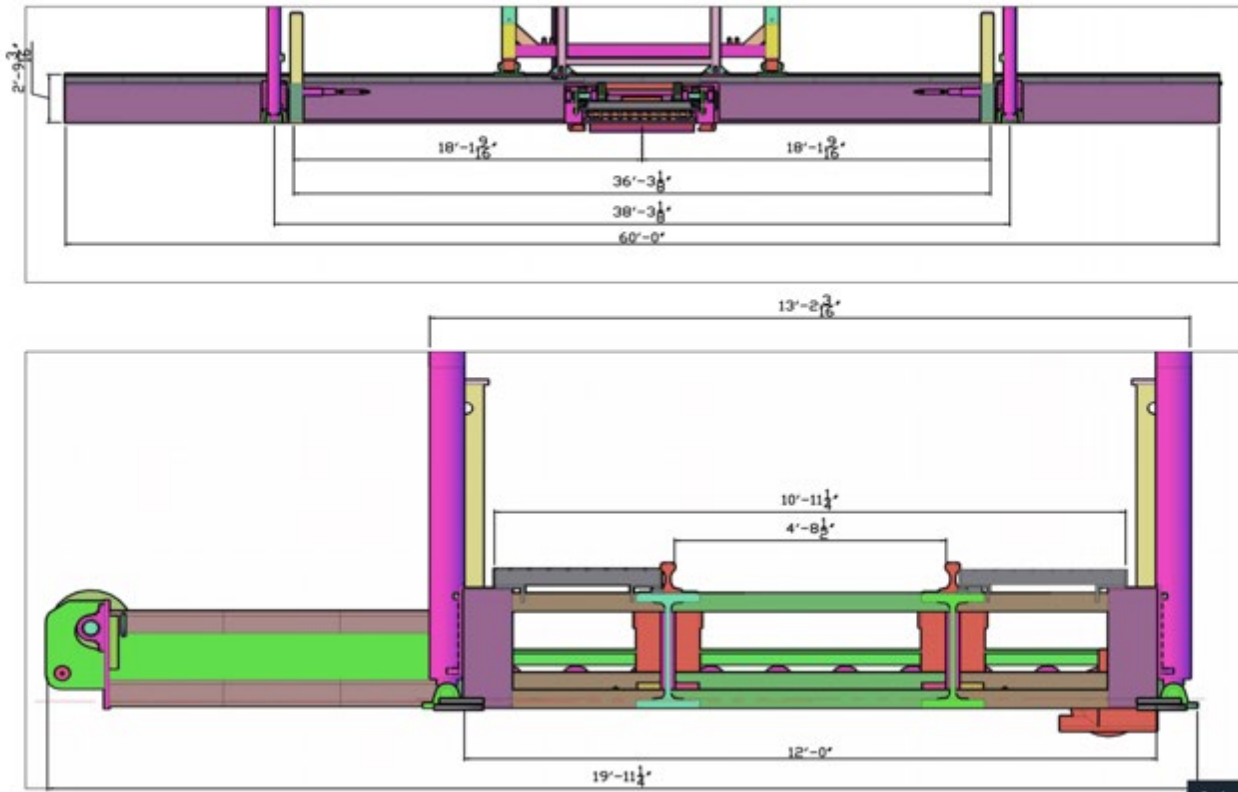
## **UNUSED ASHROSS RUM-e Rail Off-loader**

**Serial #- AR-RUMe-827-18**



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**827**  
 RUMC  
 OPERATING EXPENSE  
 COMPREHENSIVE

**50**  
 50-CUMPS  
 FILE UPDATE 001  
 June 1, 2018  
**ASHROSS, LLC.**  
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**05**



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**827**  
 RUMC  
 ASB VIEW  
 COMPREHENSIVE

**50**  
 50-CUMPS  
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**02**



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### Gearbox/parts

- The motors are mounted on SEW Euro drive gearboxes.
- Each head pulley is 24 inches in diameter.
- The tail pulley is 16 inches in diameter.
- There are manual belt adjusters near the tail end of each conveyor.
- The machine has an adjustable tail pulley.
- The machine comes with four hydraulic jacks (60 inch stroke with 48 inches of lift) for maintenance.
- One hydraulic power unit per machine.
- One main electrical panel, and three smaller electrical panels per machine.
- The machine has a hydraulic power unit with an approximate hydraulic storage tank capacity of 300 gallons.
- Each feed system uses CORE TEN ½ inch plate.
- Rollers are rated CEMA D6.
- The machine uses NUTO 32 hydraulic oil.



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## Features

- The machine comes with sliding plate feed system (six per machine) that move the material from the ends of the machine to the main discharge conveyor(s). These feeders' plates are powered by the hydraulic system.
- The machine will have one walkway on conveyor side of the RUMe.
- The machine has walls to contain the material when unloading.
- The main section of the RUMig3 is engineered to handle all rail traffic (420,000 lbs. max).
- The machine can be operated in the EC BOX-2A (central control) mode located on the hydraulic unit or it can be operated at EC BOX-4A (local control) which is located on the machine or it can be operated via Ethernet at a remote-control room (optional).
- The main conveyor has a cover.



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## Electrical

- The machine has a 3 HP motor on the oil cooler.
- The machine has two electric motors on the head pulley on main conveyor (each rated 75 hp).
- The motors are mounted on SEW Euro drive gearboxes.
- The machine requires between 575 and 600 amps of electrical service.
- Allen Bradley PLC on control unit.
- The machine comes with a Weight Shark 500 weight scale (optional integration with PLC).
- The machine has three 100 hp electric motors driving three hydraulic pumps (Saur Danfoss)
- The machine has variable frequency drives to power the conveyors.



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## Dimensions/weights

- **The main section**  
60'-0" L x 13'-10" W x 7'6" T at 92,000 lbs.
- **HPU**  
19'-0" L x 7'-4" W x 7'-0" T at 17,500 lbs.
- **Exit assembly**  
7'8" L x 3'6" W x 3'x2" T at 1,500 lbs.
- **Tail pulley assembly**  
8'-0" L x 6'-3" W x 3'-9" T at 3,500 lbs.
- **Conveyor belt and misc parts**  
6'-0" L x 4'-0" W x 4'0" T at 3,000 lbs.
- **Conveyor x2**  
53'-6" L x 12'-6" W x 5'-6" T at 28,000 lbs. (with platform)



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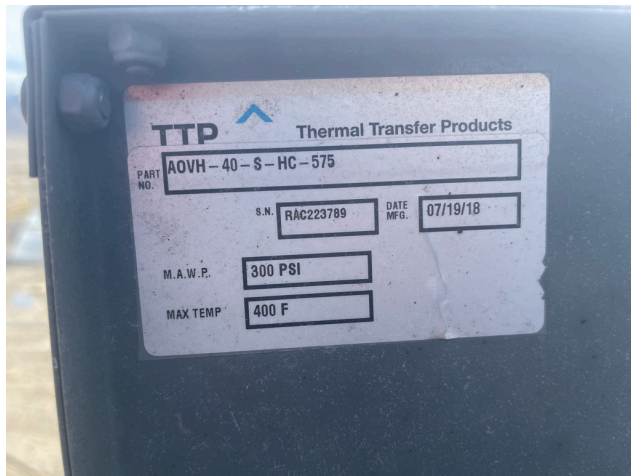
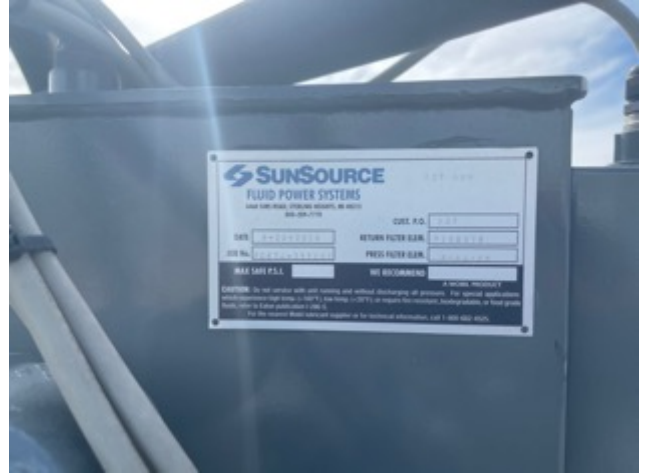
- The RUMig3 machine is designed to unload material from bottom dump rail cars. The machine is built of high-quality steel, powered by six (6) electric motors three of which transfer their energy to functioning parts via a hydraulic system comprised of pumps, valves, hydraulic cylinders and lines, one (1) hydraulic oil cooler, while the other two electric motors power the main conveyor head pulley. This unit is semi-permanently installed in a shallow pit and replaces fifty feet of existing rail at the selected operating site chosen for unloading.
- When a rail car is positioned on the machine, discharged material lands on or is conveyed laterally to a 60” wide conveyor belt that exits the midpoint of the machine perpendicular to the line of the rails.
- Within the machine and on either side of the exiting conveyor belt are a total of six (6) sets of reciprocating feeder plates.
- The feeder plates move the unloaded material to the conveyor belt in the center of the machine.



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# Hydraulic Unit-



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