



Ashross RUMig3 FAQ information sheet

How fast can we unload a rail car with the RUMig3?

It will unload at a rate of 2600 TPH at 400 fpm on the main belt with material that weighs 63 lbs a cubic foot.

How many 100 ton rail cars can I typically unload per hour?

10 to 12 depending on the material and the efficiency of your operators.

How many operators do I need to run the machine?

1 minimum

Where do you manufacture the RUMig3?

Pleasant Grove, Utah in the United States of America

Does the RUMig3 work with rapid discharge cars?

Yes.

Do I have to run the machine at the rates listed above?

No, you can run it as fast or slow as you want to match other downstream conveyors or take away equipment. Belt speed can run from 0 to 800 feet per minute.

Does the unit come with dust suppression features?

No, but we can add water spray nozzles at the end of the head pulley on the main conveyor.

How much does a typical installation cost?

We have seen them be as inexpensive as \$50,000 and as expensive as \$300,000. It depends on your location, electrical source, contractors and what you want to put around and under the RUMig3.

Is this machine good for locations that have a high water table?

Yes, it is excellent for those locations due to the low profile nature of the machine.

Does the RUMig3 have room so we can open the gates on the rail cars manually?

Yes

What are the required amps of service for the RUMig3?

575 to 600 amps of service.

Can I set up the power unit anywhere by the machine?

Yes you just need to be within 100 feet of the machine unless you by extra power and hydraulic lines to get from the power unit to the main machine hook ups.

What is the big largest material it can handle?

The machine is designed to handle an occasional 12 inch piece of material. But we have seen it pass 16 inch rocks during tests here at our manufacturing facility.

What happens to material that doesn't pass up the main conveyor?

It will sit in the steel sliding plate feed system. You will need to get it out after you have completed the unloading process for the day.

Can I switch from one material to the next with minimal cross contamination?

Yes, but you will need to sweep the small amount of material from the feed system that remains after you run your cycle. The feed system is mostly self cleaning.

Is there any leakage under the machine because of the sliding plate feed system?

Yes there is a small amount that you can easily clean up between unloading shifts.

How long do you anticipate the feed system will last?

Depending on the material it can last many years. We also make them easy to remove and replace if the need arises. They are modular in design.

What kind of rail cars can it handle?

It can handle almost any bottom dump rail cars that you can take over it.

How much weight can it handle?

Up to 420,000 lbs.

Can I drive an engine over the equipment?

Yes

Can you make the RUMig3 to work with a powered rail car gate opener from another manufacturer?

Yes, we can work with you on designing it to work with these aftermarket gate openers.

How long does it take to manufacture the RUMig3 from date of PO issuance?

90 to 120 calendar days from PO issuance to it being ready to ship under normal manufacturing circumstances.

What do you mean by normal manufacturing circumstances?

If we already have an order in front of your order it may take longer.

Do you have an inventory of RUMig3?

Typically we do not because we build to order, due to differences in materials and unload rate requirements.

What does the RUMig3 cost?

\$1,095,000.

What kind of safety features do you have on the RUMig3?

The machine comes with guarding on all exposed gear shafts and motor shafts. The machine comes with belt alignment switches, zero speed indicator, hydraulic oil temperature sensor, self aligning pulleys, e-stops, pull cords and one ASGCO belt scrapper.

What are some extras I can purchase?

Walkways, chutes, ramps on the head pulley, critical spare parts, rail car vibrator, upgraded electric package from NEMA 4 to class II division II, hydraulic oil heater.

What are the feed system's dimensions?

38 feet total, 19 feet on each side of the main belt.

How does the feed system get its power?

It is powered by hydraulic cylinders that receive fluid from electrically powered hydraulic pumps.

What moves the plates back and forth over each other?

Hydraulic cylinders power the individual 6 sections of the feed system.

What steel do you use in the feed system?

½ AR plate.

Can I operate the feed system sections independently?

Yes

What size material can the RUMig3 handle?

Up to an occasional 12 inch piece of material.

How long is main conveyor?

The standard length is 40 feet but we can make it longer for additional money.

Does the main conveyor have covers?

Yes

Do you have any partners around the world?

Yes we have a partner in the UK and EU called Rail Freight services. They will support any orders and service in the UK and the EU. We also have a partner in Mexico called GME and they support any orders and service in Mexico.

Is shipping included in your pricing?

No, we add that later in a separate PO when we know the exact cost. Ashross does not add our margin to shipping.

Will I need a crane to unload the machine when it arrives on the work site?

Yes.

How many places can I control the RUMig3?

We have two places you can run the equipment. One is on the main section of the machine called EC2. EC1 is a control station on the main power unit.

What is contained on the power unit skid?

It has 3 one hundred hp electric motors driving 3 hydraulic pumps. It has a weigh shark computer system that keeps track of tonnages running through the machine. It has an Allen Bradley PLC. It has VFD's that control the electric motors that powers the conveyor. It has an onboard hydraulic tank for the systems. It has all the applicable safety systems for the unit.

Why should I use your machine over a tradition gravity fed pit?

Traditions pits are expensive and go deep in the ground. Our system is low profile and will cost much less than a traditional pit in the ground. The Ashross RUMig3 is also a recoverable asset and can be removed and shipped to another location.

Can Ashross provide us with a traditional pit?

Yes, if you choose to go the traditional path to unloading a rail car, we can manufacture all the needed equipment for a traditional pit in the ground including the pan feeder and the conveying system etc.

Do you have RUMig3's operating outside the United States?

Yes many of them are working all over the world.

Yes, many of them are working all over the world.

Who are some of Ashross' clients?

Cemex, Kinder Morgan, Old Castle, Owens Corning, BP, Lafarge, Optim Energy, Koch Carbon, Mosiac, Hatch and many others.

How long have you been manufacturing the RUMig3?

For over 15 years.

What is the length of the unit?

50 feet

What is the width of the unit?

13 feet 9 1/4 inches wide.

What is the minimum depth of the unit?

6 feet

What is the width of the main belt?

60 inches

What is the expected width of the material being conveyed while unloading?

42 to 48 inches depending on the material

What types of materials can it handle?

We have handled a wide variety of materials including: Coal, pet coke, all kind of aggregates, agricultural products, sand, copper concentrate, Iron ore and many other hard to handle products.

How is the machine shipped?

The machine is shipped on 2 to 3 trucks when transported from Ashross in Pleasant Grove, Utah to installation location.

What do I need to do to prepare the site for installation?

You will need to get our certified drawings of the requirements of the site prep. Most clients take out 50 feet of track on at the installation site and dig a hole approximately 50 feet long by 13-14 feet wide by 6 feet deep. They install two 24 inch wide concrete steps at the end of the 50 foot hole, on which to place the main support element of the RUMig3. The main section bridges the space prepared for the unloading process.

How much does the main section of the RUMig3 machine weigh?

105,000 lbs

How much does the power unit weigh?

14,200 lbs

How much do the two exit assemblies weigh?

1,200 lbs each

How much does the tail pulley assembly weigh?

1,700 lbs

How much does the conveyor weigh?

Approximately 3,250 lbs for the 40 foot conveyor

At what range of temperatures can the RUMig3 operate?

From minus 20 degrees F to 120 degrees F.