



R800

MOBILE TRACK-MOUNTED JAW CRUSHER

Performance up to 140 st/h / 120 t/h*

Transport weight 56,700 lbs / 25,7 t

Fully hydraulic 

PRODUCT DESCRIPTION

EFFICIENT

CRUSHING

TECHNOLOGY



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ROCKSTER[®]

* depending on material



MOBILE TRACK-MOUNTED JAW CRUSHER

R800

**COMPACT
FLEXIBLE
PERFORMANCE**



Perfect final grain

COMPACT. FLEXIBLE. POWERFUL.

Rising landfill costs and raw material prices, as well as the need for waste separation, makes the recycling of construction materials very pertinent. This not only protects the environment, but also helps building contractors to save costs.

Rockster mobile crushers guarantee profitable recycling of concrete, demolition debris and especially

for processing hard natural stone. The compact mobile track-mounted impact crusher R800 offers best mobility and high ease of use because of numerous technological refinements. Versatile setting options ensure excellent final grain quality and increased usability.

R800 IS THE MOST COMPACT SOLUTION FOR RECYCLING AND CRUSHING OF:

CONCRETE



Recycled concrete blocks 0/16

DEMOLITION DEBRIS



Subbase road 0/32

BRICK



Refilling pipelines 0/64

VIRGIN STONE



Subbase road 0/32

MAIN DIMENSIONS

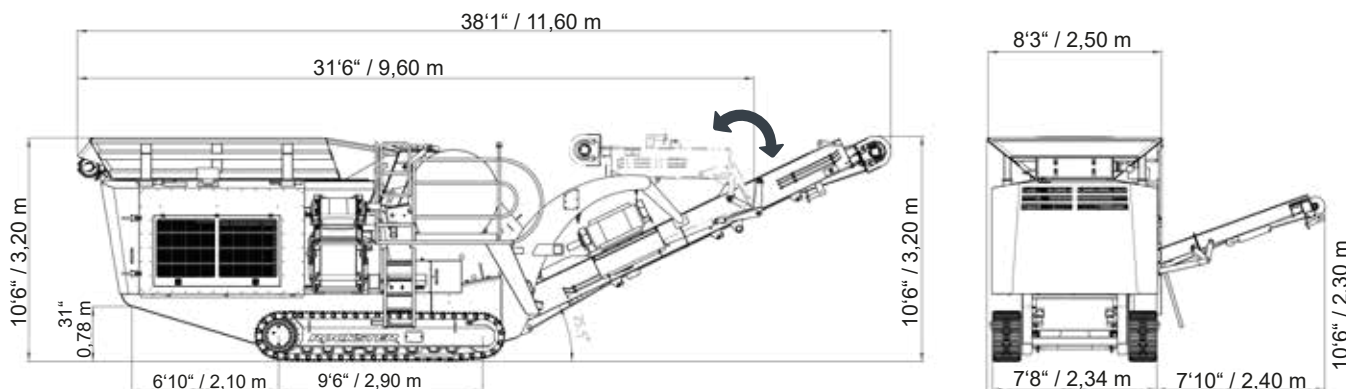
R800

Transport dimensions

| | |
|-------------------|---------------------|
| Length: | 31'6" / 9,60 m |
| Width: | 8'3" / 2,50 m |
| Height: | 10'6" / 3,20 m |
| Transport weight: | 56.700 lbs / 25,7 t |

Feeding & discharge height

| | |
|----------------------|------------------|
| Feeding height: | 10'6" / 3,20 m |
| Main discharge belt: | ~ 10'6" / 3,20 m |
| Side discharge belt: | ~ 7'7" / 2,30 m |



TECHNICAL DETAILS

The fully hydraulic Jaw crusher R800 is driven through a powerful, electronically controlled VOLVO engine. The crusher itself is driven via a hydrostatic motor and the gap adjustment is hydraulically regulated. The crushed material falls into an adjustable bypass-chute that allows the discharge to the main or side conveyor belt.

The hydraulically adjustable Rockster jaw crusher is the ideal solution for all operations that require highest demands on the wear parts.

Even under toughest conditions, the R800 guarantees highest crushing power and lowest wear.

Jaw crusher

| | |
|--|-----------------------------|
| Inlet opening: | 32" x 20" / 800 x 500 mm |
| Crushing ratio: | 1:8 |
| Performance: | up to 120 t/h / 140 st/h |
| Rotor speed (continuously adjustable): | up to 320 min ⁻¹ |
| Weight: | 17,600 lbs / 8.000 kg |
| Drive: | hydrostatic |
| Gap adjustment (adjusted on display): | fully hydraulic |
| Crusher outlet: | 420 mm |



Drive

| | |
|------------------------------------|--|
| Engine (electronically regulated): | Volvo Tier 3A / Stage IIIA - 200 kW / ~268 HP |
| | Volvo Tier 4 Final / Stage IV - 210 kW / ~282 HP |
| | Volvo STAGE V - 210 kW / ~282 HP |
| Cylinder: | 6 |
| Cooling system: | water |

The drive system is located at the rear of the machine, enclosed in a sound-proofed housing. Engine openings are positioned on all sides for easy access, service and overall maintenance.

The hydraulic pump for all auxiliary drives (main discharge belt, side discharge belt, vibration chute, crawler gear...) as well as the pump for the hydrostat are driven via a distributing gear unit which is flange-mounted on the drive engine. The hydrostat activates the crusher via a V-belt drive.

ADVANTAGES OF THE HYDROSTATIC DRIVE

- > Elimination of conventional clutch. No wear.
- > Individual adjustment of crusher speed
- > Crusher overload protection
- > Power adjustment according to individual requirements
- > Uniform throughput
- > Enormous power reserves
- > Adjustment of rotating direction (Duplex)



Feed hopper

| | |
|-----------|--|
| Material: | Hardox 400 |
| Volume: | 5.3 yd ³ / 4,0 m ³ |
| Length: | 12'6" / 3800 mm |
| Width: | 8'2" / 2500 mm |
| Height: | 10'6" / 3200 mm |



Vibration chute with pre-screening

| | |
|-----------|-------------------------------------|
| Material: | Hardox 450 |
| Length: | 47" / 1200 mm |
| Width: | 36" / 900 mm |
| Type: | Zig zag |
| Option: | bar screen |
| Drive: | hydraulic - continuously adjustable |



Bypass

The switchable chute (Bypass) enables the discharge of pre-screened material on the side or onto the main discharge belt.

Easy switch via hand lever.

No special assembly necessary.
No wear. No service.



Main discharge belt

| | |
|-------------------|----------------------------------|
| Belt width: | 40" / 1000 mm |
| Discharge height: | ~ 10'6" / 3,20 m |
| Angle: | 26° |
| Drive: | hydraulic, continuously variable |

The main discharge belt is hydraulically foldable for transport purposes.



Side discharge belt

| | |
|-------------------|-----------------|
| Belt width: | 20" / 500 mm |
| Discharge height: | ~ 7'6" / 2,30 m |
| Angle: | 20° |
| Drive: | hydraulic |

The side discharge belt is hydraulically foldable for transport purposes.



Magnetic separator

| | |
|-------------|--------------------|
| Type: | Permanent magnet |
| Belt width: | 30" / 750 mm |
| Weight: | 2645 lbs / 1200 kg |
| Drive: | hydraulic |



Caterpillar crawler

| | |
|--------------|------------------------|
| Tread width: | 16" / 400 mm - slanted |
| Wheel base: | 9'6" / 2.90 m |
| Surface: | triple ribbed pads |
| Drive: | 2-speed hydraulic |



Control panel

Central control/operating unit ensures an easy operation and machine monitoring in connection with a wireless remote control.

Fully automatic engine Start-Stop system with only one button.

- > Save the operation settings for various applications
- > Error monitoring - error log
- > Input & output status
- > Fast start of operation (QUICKSTART-Function)



FEATURES

R800

Environmentally friendly

Reduction of emissions through:

- > efficient dust suppression
- > sound-proofed housing
- > motor drive according to the latest technology standards



Easy maintenance & ideal accessibility

Large covers enable optimal accessibility when it comes to service and maintenance. Furthermore they ensure optimal ventilation of the drive-unit and the cooler.



OPTIONS



1 Water pump



2 Main belt - wear protection



3 Air compressor



4 Sound protection cover



5 Belt scale incl. printer

OPTIONS

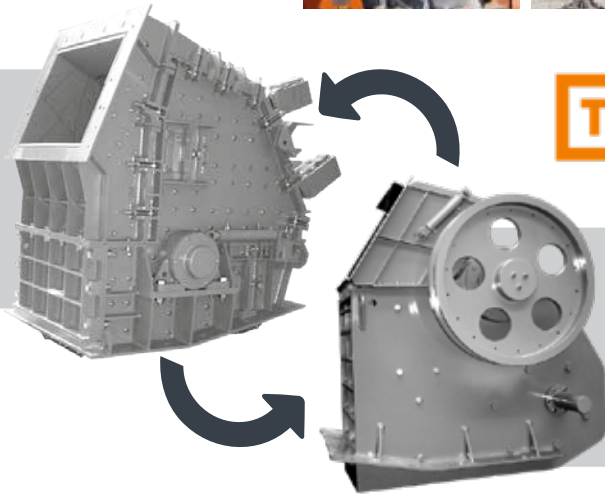
R800

DUPLEX SYSTEM

The unique design of the ROCKSTER crusher allows the transformation from a jaw crusher to an impact crusher and vice versa in only a few hours. Achieve maximum machine utilization by using one carrier and different crusher units to rapidly adapt to different job requirements.



R900
Impact crusher



THE ORIGINAL
since 2004

R800
Jaw crusher

AIR BLOWER - for cleaner and higher quality final product

RVB1700

The Rockster Air blower RVB1700 is used to efficiently separate non-aggregates from the final end-material, which results in a cleaner and higher quality final product. This enables Rockster customers to work more environmentally friendly and economically.



Technical details

| | |
|------------------------|--|
| Air volume: | up to 1.700 m ³ /h / 2,223 yd ³ /h |
| Differential pressure: | up to 7.000 Pa |
| Drive power: | up to approx. 15 kW / 20 hp |
| Drive - rpm: | up to 3.200 min ⁻¹ |
| Weight: | approx. 150 kg / 330 lbs |



VIDEO



OPTION: SCREENING SYSTEM SCREEN BOX RS83 + RETURN BELT RB75

R800

Defined final product in one workflow

The optional screening system consists of the compact circular vibrating screen RS83 in combination with the return belt RB75. The screening system is a perfect addition for the production of 100 % defined final grain.

The components are mounted directly onto the main discharge belt and are driven through the additional hydraulic system of the crusher.



Vibrating screen

| | |
|----------------|--------------------------|
| Screen size: | 6' x 4' / 1830 x 1200 mm |
| Standard mesh: | 1 1/2" / 38 mm |

Special screens available on demand



Discharge conveyor - fines

| | |
|-------------------|------------------|
| Belt width: | 32" / 800 mm |
| Discharge height: | ~ 10'5" / 3,20 m |



Discharge conveyor - oversize grain

| | |
|-------------|--------------|
| Belt width: | 20" / 500 mm |
|-------------|--------------|

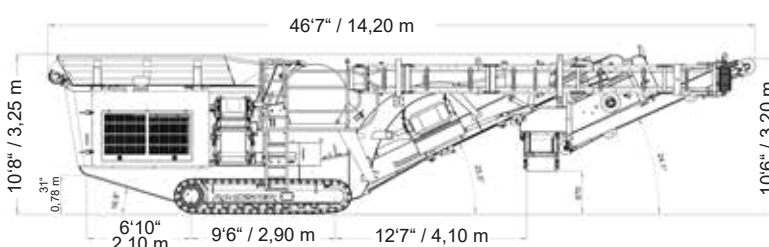


RB75 return belt

| | |
|-------------|--------------|
| Belt width: | 16" / 400 mm |
|-------------|--------------|

Transport dimensions R800 + RS83 + RB75

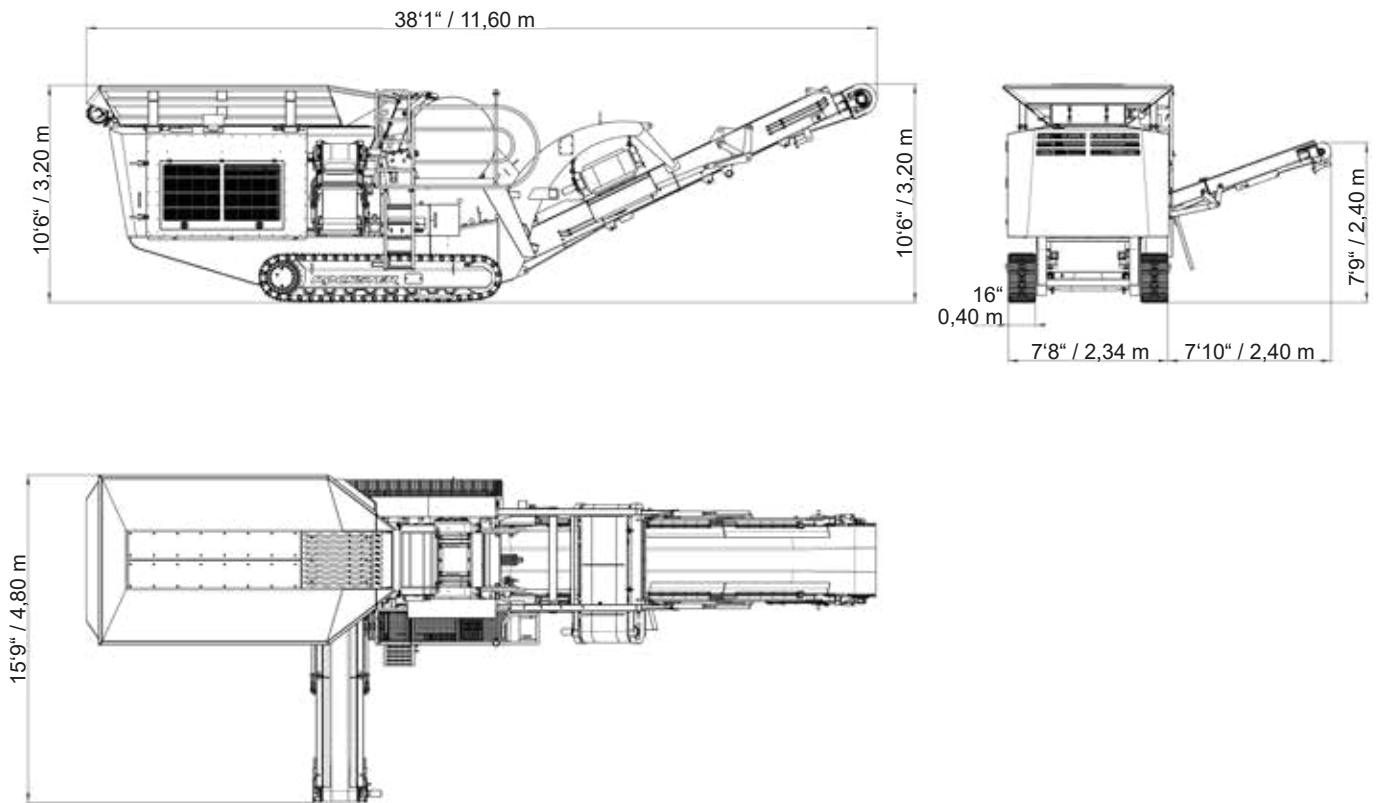
| | | | |
|---------|-----------------|---------|----------------------|
| Length: | 46'7" / 14,20 m | Width: | 8'3" / 2,50 m |
| Height: | 10'8" / 3,25 m | Weight: | 64,200 lbs / 29,10 t |



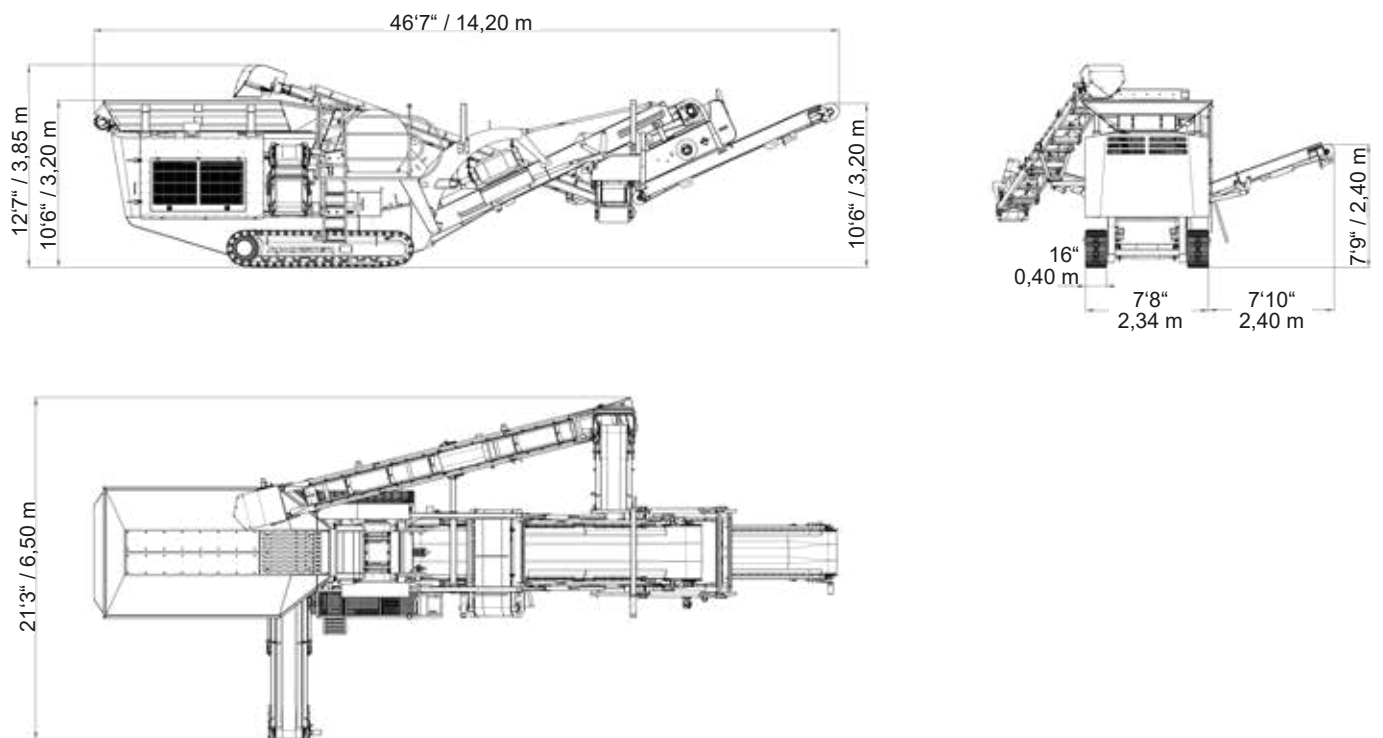
WORKING DIMENSIONS

R800

R800



R800 with screening system





For a cleaner and higher quality final product

The Rockster Air blower RVB1700 is used to efficiently separate non-aggregates from the final end-material, which results in a cleaner and higher quality final product. This enables Rockster customers to work more environmentally friendly and economically.

The Rockster RVB1700 air blower is hydraulically operated and can be completely integrated onto every Rockster crusher. The centerpiece of the RVB1700 is a variably adjustable blower, which is connected by flexible hoses to

the air nozzle, which has an adjustable angle.

Through the narrow slot of the air nozzle, the air emerges and blows diagonally from below through the crushed material, so that the unwanted lightweight materials (e.g., polystyrene, textiles, gypsum, foils, wood, etc.) are removed. With relatively little effort, the required final products can have a significantly higher value.

The RVB1700 was also developed as a retrofit kit for Rockster mobile crushers.

Technical details

| | |
|------------------------|--|
| Air volume: | up to 1.700 m ³ /h / 2,223 yd ³ /h |
| Differential pressure: | up to 7.000 Pa |
| Drive power: | up to approx. 15 kW / 20 hp |
| Drive - rpm: | up to 3.200 |
| Weight: | approx. 150 kg / 331 lbs |



VIDEO



GENERAL INFORMATION



Austrian based manufacturer Rockster Austria International GmbH has a long-lasting reputation and the know-how in demolition and screening industry.

Our product line includes, among others, track mounted impact and jaw crushers, screening machinery and tracked stackers. Our mobile crushers and screeners are used for profitable & economical recycling of asphalt, concrete and construction waste, as well as for the efficient processing of natural stone.

With innovations like the first and Original DUPLEX system, double functional return belt, Rockster repeatedly demonstrates its progressive approach towards improving and developing more efficient recycling methods.

Rockster machines are sold in more than 50 countries worldwide. Because of a strong dealer network, reliable customer support and continued innovations Rockster remains one of the fastest growing companies in our industry.

The Rockster concept

RELIABILITY - maximum reliability due to the highest product quality standards.

OPERATING EFFICIENCY - higher operational efficiency due to optimized transport dimensions (easy transport – no special permits needed in many cases), simple maintenance and handling.

CAPACITY - higher production capacity as a result of special high-speed rotor and enormous power reserves for the drive systems.

KNOWLEDGE - many years of practical experience in advanced machine design creates tremendous value for customers.

SERVICE - round-the-clock service and support is the company hallmark, with rapid response and immediate availability of spare and wear parts.

TECHNOLOGY - using industry-standard brand components assures adherence to the highest technical standard.

ENVIRONMENTALLY FRIENDLY - engineered to meet the highest environmental standards with the installation of low-pollution engines and complex sound suppression systems.

REVENUE - designed to meet customers' revenue and return-on-investment requirements due to low investment and operating costs. Additionally the unique advantages of the DUPLEX system maximize machine utilization with multiple crusher capabilities on one carrier.





Note: These specifications are subject to change without notice.
Please consult your local dealer/distributor for detailed specifications.

EFFICIENT CRUSHING TECHNOLOGIE

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