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COMPACT CRUSHER RUBBLE MASTER RM70 GO!

Feed material:

- Rubble, concrete, asphalt, brick

Reinforced steel up to a diameter of 12 mm, assumed that it is completely embedded in the material and you use green hammers (martensitic ceramic hammers). All other, larger metal parts are to be removed without exception.

Feed material size:

- Up to 600 mm

Power rating:

- Up to 120 t/hr depending on the feeding material

Final grain:

- Cubic shape, up to 70 mm

Weight:

- 19,5 t

Transport system:

- Crawler gear: Travelling speed: 2 travelling speeds, climbing ability 30°

Chassis:

- A new, integrated chassis construction is used for the RM70 GO!.

Vibro-channel:

- Feed height: 2.660 mm
- Effective cross-selection of feed intake: 2.500 mm x 1.800 mm
- Capacity: 2,0 m³

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- Wear plates on bottom: Hardox 400
- Pre-screen: Welded mesh conical screen
- Screen surface: 940 x 570 mm
- Vibrator motor: 3,0 kW / 400 V/ 50 Hz
- Heavy-duty torsion-resistant steel construction with an integrated asymmetric feed funnel for an optimized arranging of the material. The material that falls through the screen can either be transported away with the crushed material on the main discharge belt, or on a separate side discharge belt to a different heap.

Power unit

Deutz diesel engine

- Speed: 2,000 rpm
- Power rating: 103 kW
- Tank capacity: 200 l
- Diesel consumption: 15 l/hr

Three-phase synchronous generator

- Voltage: 400 V
- Power rating: 40 kVA
- Electrical power outlets 230V and 400V for external use up to 15kVA are installed.
- The main drive components like the diesel engine, the clutch unit and the generator are mounted on a separate frame and can be dismantled easily.

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Crusher unit:

- Manufacturer: RUBBLE MASTER HMH GmbH
- No. of hammers: 2 / 4
- Inlet opening: 760 mm x 600 mm
- Crushing diameter: 780 mm
- The rotor, the impact arm and the wear plates are fitted directly into the crusher housing, integrated in the chassis. Depending on the application, the rotor can be equipped with either 2 or 4 hammers. The crusher is armoured with 20 mm thick wear plates in the area of the side walls and with 30 – 40 mm thick wear plates in the area of the rear wall. The three step impact arm is fitted with 70 mm wear plates.

The housing is designed in sections and the rear wall can be swung out hydraulically.

The crushing gap can be adjusted hydraulically and is locked mechanically. The upper suspension point can likewise be adjusted to alter the kinematics of the arm.

To clear blockages, the entire crosshead is moved out hydraulically. The spring assembly ensures that the crosshead moves back to the home position.

Impact plates and material pockets are located in the discharge area of the crusher to reduce grain speed and protect the belt construction underneath from direct impact. V-belts are used for the drive system.

Main discharge belt:

- Length: 6.500 mm
- Hydraulic foldable for the transport
- Belt width: 800 mm
- Engine: drum motor

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- Belt: 10+3 Rip Stopp
- Back drum: bar drum
- Discharge height: 2.720 mm
- The whole main discharge conveyor can be removed from the machine for service purposes. In the loading area, special damping plates are protecting the belt from damages. An endless chevron conveyor in Rip-Stopp quality is discharging the crushed material to a heap. The feed end of the discharge belt is integrated into the framework. The main discharge belt can be completely removed for maintenance purposes and can be folded in and out hydraulically during transport. A belt cleaner is used to clean the belt and a belt scraper to protect the bar back drum.

Side discharge belt:

Not available!

Hydraulic system:

- A relatively small hydraulic system handles all the basic functions of the machine.

Electric:

- The relevant parameters to optimise throughput are monitored and evaluated electronically. Subsequently the analysis should also be possible by remote control.

Magnetic separator:

- Belt width: 800 mm
- clockwise and counter-clockwise direction

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- The magnetic separator runs at right-angles to the discharge belt and is designed to remove ferrous objects from the crushed material. These are then collected in a container on the side. The direction of the magnetic separator belt can be selected at the control panel. This allows the operator to choose which side the metal objects are to be deposited.

Remote control XL

- Activate crawler gear
- Start/Stop vibro channel + vibro-channel zero feed
- Start/Stop main discharge belt
- Start/Stop magnetic separator + direction of rotation
- Switch on/off remote control + horn
- Activate release system
- Stop machine button
- Crawler gear speed, 2 speeds

Standard:

- Crawler gear
- Magnetic separator
- Remote control
- Release system

Specifications subject to change in line with technical developments.

Options:

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- RM70GO! *without* magnetic separator
- Dust suppression system without tank and pump (max. 10 bar)
- Dust suppression system complete (without tank)
- Central lubrication system
- Diesel filling pump – retrofit
- Diesel filling pump - complete

- Mounting kit for belt scale
- Wear-resistant crusher box lining Hardox 500 plates, 30 mm thick, additional price
- hammer changing system
- Oversize separator OS70 or OS70EC
- Pre-arrangement for refeeding belt RFB70 GO!
- Refeeding belt RFB70 GO!