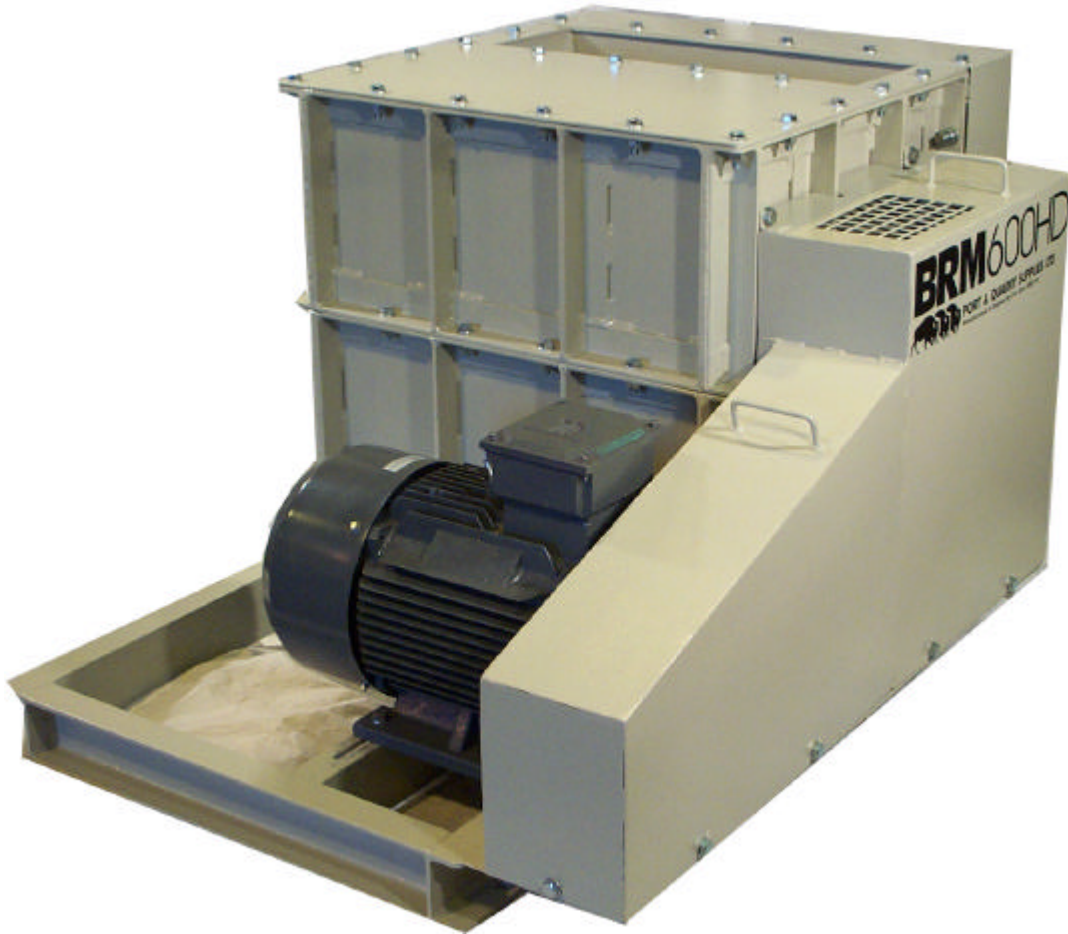

BRM 600 HD / XHD Pulverizer



Installation
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Safety
Spare Parts List

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BRM 600 PULVERIZER

Model
Serial Number
Year

Dimensions 1 440 x 1 022 x 816 mm
Weight 1 015 kg BRM 600 HD
 1 210 kg BRM 600 XHD

INSTALLATION

The BRM 600 is supplied on a steel channel base-frame (1320 x 802 mm) which can be pre-drilled to accept your support legs or bolted directly to your existing foundations or base structure.

The BRM 600 is supplied without a feed hood, chute or hopper.

THE BRM 600 MUST NOT BE OPERATED WITHOUT A SUITABLE HOPPER, FEED HOOD OR CHUTE

A suitable feed hood or chute over the top of the feed opening must be fitted to ensure that:

- a) The rotor is not accessible by any operator or loading equipment.
- b) Any fragments cannot exit the feed opening of the pulverizer.
- c) Dust suppression or extraction equipment can be fitted at this point.

A 'curtain' of light chain, rubber, plastic or other flexible material can be fitted at the feed point to ensure no dust or particles come from the pulverizer feed opening

Ideally, the BRM 600 should be fed by a vibrating feeder or belt feeder with adjustable feed rate to give a smooth and consistent feed into the pulverizer.

Normally, a 3-phase electric motor is used to drive the BRM 600 via guarded v-belts and v-pulleys. A suitable electrical starter must be used (usually a star-delta or direct on line). Electrical installation and connection must be carried out by a qualified electrical engineer. It is important that the correct direction of rotation is observed. When looking in from the top of the machine, the rotor should rotate towards the stator plate.

The pulverized product is discharged from the bottom of the BRM 600 and can be collected by a suitable collecting hopper and / or conveyor for further processing or stockpiling, dropped into storage bags, skips or boxes, or discharged onto the ground for re-handling or loading.

OPERATION

Daily Inspection

- 1 The daily inspection must be carried out when the BRM 600 is stopped and locked out.
- 2 Breaker and stator bars for adverse wear or damage. Replace if necessary.

DO NOT OPERATE THE BRM 600 WITH CRACKED OR DAMAGED ROTOR BREAKER BARS

- 1 Breaker and stator bolts—replace any that are missing
- 2 Examine V-Belts and bearings. Ensure correct tension. Replace if necessary
- 3 Examine frame for wear, damage etc.

If using CHROME ALLOY breaker bars, particular attention must be given to ensure that there is no cracking. These hammers, although hard wearing, are very susceptible to damage if any metal objects (nuts, bolts etc.) enter the crushing chamber.

Adjustment

Adjustment must only be done with the BRM 600 **STOPPED and ISOLATED**. The gap between the rotor breaker bars and the stator breaker bars can be adjusted by removing the rear guard over the springs and bolts. The gap is adjusted by loosening the lock nuts, turning the set screws to give the desired and then retightening the lock nuts.

Maintenance

1. Maintenance **MUST ONLY** be carried out when the BRM 600 is stopped and locked out.
2. The rotor and stator breaker bars have two breaking faces, so can be turned to maximise life.
3. The rotor must be kept balanced. If new rotor breaker bars are fitted, ideally all six should be done at any one time. If less than six are fitted, ensure that a two new hammers are fitted on opposing sides of the rotor to ensure the rotor stays in balance.
4. If excessive vibrations or noise are evident, stop the BRM 600 immediately and investigate.

SAFETY

All moving machinery is dangerous.

All moving parts must be suitably guarded.

The BRM 600 must be stopped, isolated and locked out before any inspection or maintenance work is carried out.

Do not operate the BRM 600 without a suitable feed hood or chute.

Ensure that no object comes into contact with the rotor.

Ensure that every precaution is taken to ensure that nothing enters the crushing chamber which will not be pulverised (eg: metal, wood, hard and abrasive materials).

Always ensure that the drive guard and adjustment guard are fitted whilst operating.

Ensure that any dust is contained, suppressed or extracted and not allowed into the atmosphere.

Take special precautions when dealing with hazardous material to ensure operator health and safety.

SPARE PARTS LIST

BRM 600 HD

Qty	Part No.	Description	
6	BR001A Mn	Rotor Breaker Bars Manganese	323218 / 2 Mn
2	BR001A Mn	Stator Breaker Bars Manganese	323218 / 2 Mn
40		M12 Captivated Rotor & Stator Breaker Bolt Assemblies	
1		15 kW Electric Motor	D160L / 1460 rpm / 400 v / 3 ph / 50 Hz
1		Motor V Pulley	SPB 170 / 4
1		Motor Pulley Taper Lock	2517 - 42
1		Rotor V Pulley	SPB 250 / 4
1		Rotor Pulley Taper Lock	3020 – 50
4		V Wedge Belts	SPB2020
2		Rotor Bearings	SF50 / UCF210 Flange Bearings
4		Adjustment Assembly	M16 x 150 mm Set Bolt c/w Nuts & Washers
4		Stator Plate Springs	

BRM 600 XHD

Qty	Part No.	Description		
6	BR001A Mn	Rotor Breaker Bars Manganese	323218 / 2 Mn	
2	BR001A Mn	Stator Breaker Bars Manganese	323218 / 2 Mn	
6	BR001A Cr	Rotor Breaker Bars Chrome	323218 / 2 Cr	Optional
2	BR001A Cr	Stator Breaker Bars Chrome	323218 / 2 Cr	Optional
40		M12 Captivated Rotor & Stator Breaker Bolt Assemblies		
4		Abro 400 Wearplate Frame LH		
4		Abro 400 Wearplate Frame RH		
3		Abro 400 Wearplate Stator Plate		
1		Abro 400 Wearplate Top		
1		15 kW Electric Motor	D160L / 1460 rpm / 400 v / 3 ph / 50 Hz	
1		Motor V Pulley	SPB 170 / 4	
1		Motor Pulley Taper Lock	2517 - 42	
1		Rotor V Pulley	SPB 250 / 4	
1		Rotor Pulley Taper Lock	3020 – 50	
4		V Wedge Belts	SPB2020	
2		Rotor Bearings	SF50 / UCF210 Flange Bearings	
4		Adjustment Assembly	M16 x 150 mm Set Bolt c/w Nuts & Washers	
4		Stator Plate Springs		