

# Metso HRC 8 High Pressure Grinding Roll Unit #1382

#HRC8ALW0051

Equipment as Follows:

HRC 8 uses a method of inter-particle comminution by drawing in a bed of material between two rotating rollers. They compress the feed material between two rotating rollers, one of which is in a fixed position and another roller that is floating. The two rotating rollers generate such a high pressure that it grinds the feed material to the desired smaller grain size

## Main Information

Elevation: 0 to 1000 meters

Ambient temperature: 0 to 40 °C [32 to 104 °F]

Frequency: 60 HZ

Low voltage: 380 V

Control voltage (Supply): 220 VAC

Control voltage (Instruments): 24 VDC

## Automation

Automation system: IC80C

UL Certification: Included

Cable kit: 50 m

Metso Outotec Metrics: Included

## Roll Assembly

Roll surface: Smooth

## Drive Equipment

Motor efficiency: IE3

Variable frequency drive: Air cooled

## Optional Equipment

Feed hopper extension: Included

Feed level monitoring: Included

## Finishing

Color: Metso beige

Safety labels: ANSI

Language for safety labels: English

Container transportation: Included

## GREYHAWK MODULAR STRUCTURE

### 1. MAIN CHASSIS

- Heavy duty modular structure
- Large machinery platform with handrails and toe kicks
- Ladder access to machinery platform

### 2. SIDE DISCHARGE CONVEYOR (30")

- Channel frame design
- Superior 5" CEMA C channel mount idlers
- Superior 5" CEMA C return idlers
- Superior Exterra belt scraper
- 3 ply, 3/16" top cover conveyor belting
- Full length skirting
- Head Pulley
  - VanDer Graff motorized pulley, 12"
  - 10HP
- Tail Pulley
  - Superior 12" wing pulley
  - XT30 hubs
  - 2-7/16" pillow block bearings

### 3. ELECTRICAL

- Supplied by Metso
- Circuit breakers
- Starters

- Discharge Conveyor-10HP/Starter
- Crusher motors-100HP/VFD
- Metso IC control system

#### 4. SAFETY/GUARDING

- We install all standard guarding, customer will be responsible for compliance with local codes.

#### 5. GENERAL:

- Paint
  - Sandblasted
  - Two-part epoxy primer
  - Two-part urethane topcoat
  - Chassis Color-GH Beige
  - Handrail & Guarding Color-GH Orange
  - Decals-Orange & grey striping
- (2) sets of owners/parts manuals



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