

Krupp SWB 18/18 Primary Impact Roll Crusher [Inventory ID #1422001]



Krupp SWB 18/18 Primary Impact Roll Crusher

- Make: KRUPP FÖRDERTECHNIK
- Model: SWB 18/18
- Type: Primary Impact Plant
- Year: 1994
- Condition: Used Condition
- Rotor Weight: 26 Tons
- Portable - Mounted on Crawler Tracks
- Main Components & Construction of Mobile Krupp Crusher
 - The Feed Hopper is Loaded and Feeds the Crushing Plant with Material (Limestone, Coal, Demolition Waste, Recycling and Natural Stone) The Feed Conveyor conveys the Material from the Feed Hopper through the Impact Roller Crusher. The Crushed Material is transferred with the Swivel Belt (with Hydraulic Height Adjustment)
- Technical Specifications:
 - Task Material: Limestone, Natural Stone, Coal, Recycling
 - Max Feed Size: 1,100mm x 1,800mm (43in x 70.5in)
 - Throughput: 1,000-3,000 TPH
 - End Grain: 90% 0-250mm, 0-500mm, (0-150mm) Depending on the Height Setting of the Impact Roller
 - Feed Hopper: Sheet Steel Welded Construction With Strong Ribs, Heating Channels, and a Drag Chain
 - Capacity: Approx. 30m³
 - Feed Height: Approx. 4,400mm
 - Feed Width: Approx. 5,000mm



- Max Bucket Width for Feeding: 6,000mm

- Feed Conveyor: Feed Conveyor pulls the Material from the Feeder and passes through the Impact Roller Crusher
 - Chain Conveyor Type: OTK 630/1800 x 12800
 - Conveyor Width: 1,800mm
 - Center Distance: 12,800mm
 - Tilt: 13.5°
 - Pitch Circle Diameter: 630mm
 - Number of Chain Cords: 2 Pieces
 - Chain Type: Fork Chain Forged
 - Conveyor Speed: 0- 10.3 Meters per Minute
 - Drive: Hydraulic Drive with Hydraulic Motor (132kW Installed Pump Capacity)
 - The Speed of the Feed Conveyor and thus the Feed Rate for the Crusher are Automatically Controlled by the Active Power Consumption of the Crusher Motors and Increased or Decreased depending on the Load. If the Load on the Crusher Motors exceeds the Maximum Value, the Feed Conveyor is Stopped for a Period of Time Until the Load has Returned to its Normal Value. This Control with Associated Safety Features ensures Optimal Crusher Loading.

- Impact Roll Crusher SWB 18/18:
 - Main Parts of the Impact Roller Crusher:
 - Crusher Housing with Maintenance Flaps
 - Crusher Inlet with Chain Curtain and Rubber Apron
 - Rotor with Replaceable Manganese Impact Heads
 - Crusher Outlet with Baffle Plate Guide Plate
 - Type: SWB 18/18
 - Rotor Diameter: 1800mm
 - Rotor Width: 1800mm
 - Inlet: 1800 x 2200mm
 - Rotor Weight: 26,000 kgs
 - Peripheral Speed: Approx. 17m/s, 19m/s or 22m/s
 - Drive Power: 500kW (2x 250kW)
 - Motors: Slip Ring Rotor
 - The Height of the Rotor is Adjusted via Two Hydraulic Cylinders in 50mm Increments, which then Determines the Final Grain Size

- Hydraulic System:
 - Main Parts:
 - Hydraulic Unit



- 132kW Pump for Feed Conveyor Drive or Crawler Track
- 4kW Pump for Swivel and Pull Cylinder of the Swivel Belt and to Raise the Rotor or Lowering to Adjust the Final Grain
- Hägglunds Hydraulic Motor for the Feed Conveyor Drive

- Caterpillar Diesel Generator: CAT 3508TA (B-Series)
 - Engine:
 - Maximum Power: 1100HP
 - Rated Speed: 1800 RPM
 - Minimum Power: 1000HP
 - Configuration of Engine: V-8 Four-Stroke Diesel Engine
 - Intake System with Turbocharging/Intercooling
 - Caterpillar Generator:
 - kW/kVA: 800kW (1000kVA)
 - Rotating Speed: 1500 RPM
 - Voltage: 400 Volts
 - Current: 962 Amps
 - Frequency: 50Hz
 - Diesel Engine and Generator are Built on a Common Base Frame

- Location: Europe

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