

3,000 TPH Shiploading and Crushing Plant [Inventory ID #1259614]



3,000 TPH Shiploading and Crushing Plant

- Make: FAM
- Capacity: 3,000 TPH Nominal Capacity
- Shipments: 218
- Average Shipping Rate: 2,054.4 Tons Per Hour
- Tons Loaded: 18,226,912
- Hours: 8,873
- Max Draft: 17.7m
- Vessels: Handy (36,000 Tons) to Cape Size (180,000 Tons)

- Shiploaders: 2 Independent Shiploaders - SL01 and SL02
 - Common Distribution Chute
 - Nominal Capacity: 3,000 TPH For 2 Shiploader
 - Distance Shiploader 1 to Shiploader 2: 76m
 - Distance Center Pivot Point Main Frame-Outer Edge Platform: 4,585m
 - Distance Center Pivot Point Beam- Center Ship: 28m
 - Max. Length Beam (Pivot Point Main Frame -Center Telescopic Chute): 44.8m
 - Min. Length Beam (Pivot Point Main Frame -Center Telescopic Chute): 13.3 m
 - Telescoping Speed of Beam: 0 – 20 m/min
 - Pivoting Angle Beam Total: 180°
 - For Max. Movement in Parking Position: $\pm 90^\circ$
 - Belt Speeds of Beam Belt: 4.0 m/s
 - Belt Speed of Distributing Conveyor: 4.0 m/s
 - Max. Pivot Speed of Beam (Center Telescopic Chute): 10 m/min
 - Stroke Distance of Telescopic Chute: 20.7m
 - Lifting Speed of Telescopic Chute: 2/12.0 m/min
 - Rotation Angle of Distributing Chute: $\pm 180^\circ$
 - Adjustment Angle of Distributing Chute: 50°
 - Adjustment Range of Breeches Chute: 1.25m



- Boom Conveyor
 - Installed Drive Power: 55kW
 - Max. Length: 50.8m
 - Belt Width: 1600mm
 - Cavity Angle: 40°
 - Belt Speed: 4.0 m/s
 - Type of Conveyor Belt: EP
 - Belt Cover: Side Wind Sheets

- Distributing Conveyor
 - Installed Drive Power: 75kW
 - Max. Length: Approx. 72.5m
 - Belt Width: 1600mm
 - Cavity Angle: 40°
 - Belt Speed: 4.0 m/s
 - Type of Conveyor Belt: EP 400/3
 - Arrangement of Tensioning Station: Center Belt
 - Belt Cover: Covering Plates and Wind Sheets

- Crushing Equipment:
 - Capacity: 3,000 TPH (6 Million Tons of Sub-Bituminous Coal)
 - Disassembled and in Storage
 - Impact Crushers (2)
 - Type: HB – SK 11/11
 - SK: Impact Crusher
 - Speed: 21 m/s
 - Product Size: 0 – 160mm
 - Total Length: 3.6m Approx.
 - Total Width: 2.2m
 - Total Height: 2.1m
 - Total Weight: 15,720 Kgs with Motor
 - Three-phase motor:
 - Manufacturer: Loher
 - Model: ANGA-3J5LM-04C
 - Voltage: 380/660 Volt
 - Frequency: 50Hz
 - Rated Power 250kW
 - Speed: 1500 RPM

- Roller Crushers (2)
 - Type: SWB 0730
 - Size: 0730
 - Roller Diameter: 690mm
 - Roller Width: 3,000mm
 - Three-Phase Motor:
 - Model: K21R 315 LX4 B HB IL NH NS TPM
 - Voltage: 380/660 Volt
 - Frequency: 50Hz
 - Rated Power 2.50kW
 - Speed: 1490 RPM

- Conveyor Belts:
 - Currently Disassembled and in Storage
 - 2 Belt Systems (CV-01 and CV-03)
 - CV-01: Receives Material From Crusher and Conveys to CV-03
 - CV-03: Conveys Material to Shiploader

 - Conveyor CV-01:
 - Length: 280m (Approx.)
 - Cover: Covered in its Total Length by Fixed and Folding Upper Covers (Half-Round Tubular Metal Structure) and Removable Lower Trays
 - Capacity: 2,800 – 3,000 TPH
 - Belt Width: 1,829mm (72in)
 - Belt Length Between Centers: 277.6m
 - Elevation: 4.8m
 - Belt Speed: 3.5 m/s
 - Design Capacity: 3,300 TPH
 - Driving Power: 220 kW (300HP)
 - Driving Pulley Diameter: 800mm (+25mm of Rubber Coating, Herringbone)
 - Gear Motors: 2 Units of 110kW (150HP)
 - Starting System: Frequency Variator
 - Type of Belt: EP-800/3 Thicknesses 10/4 Good Year

 - Conveyor CV-03
 - Length: 758m; Overland - 320m Approx. Above Sea - 438m Approx.
 - Table Height: 1m
 - Cover: Covered in its Total Length by Fixed and Folding Upper Covers (Half-Round Tubular Metal Structure) and Removable Lower Trays
 - Belt Width: 1,829mm (72in)
 - Elevation: 14.1m



- Belt Speed: 3.5 m/s
- Design Capacity: 3,300 TPH
- Motive Power: 660kW (900HP)
- Driving Pulley Diameter: 1000mm (+25 mm of Rubber Coating, Herringbone)
- Gearmotors: 2 Units of 330kW (450HP)
- Starting System: Frequency Variator
- Type of Belt: ST-1250 Thickness 10/4 Good Year

- Location: South America

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