

300TPH Portable Counterflow Drum-Mix Plant [Inventory ID #1423729]



300TPH Portable Counterflow Drum-Mix Plant

- Make: CMI Roadbuilding Inc.
- Model: Magnum 300
- Type: Portable Counterflow Drum-Mix
- Year: 2021
- Hours: Approx. 500 Hours
- Condition: Used, Reported in Good Condition
- Output Capacity: 300TPH
- Main Units: 8

- Portable Aggregate Feed Unit:
 - Hoppers:
 - Number of Compartments: 5
 - Thickness: 0.25in
 - Capacity, Struck: 25 Ton
 - Capacity, Heaped: 32 Ton
 - Loading Width: 14ft
 - Vibrators:
 - Quantity: 2
 - Power Output: 0.75HP
 - Fitted to Bins 2 & 3
 - Removable Guards
 - Belt Feeders:
 - Feeders: 5, Variable Speed
 - Capacity: 300TPH Each
 - Size: 30in Wide x 10ft 2in Centers
 - Belt: 30in Wide
 - Drive: 5HP, with AC Variable Frequency Inverter



- Gathering Conveyor:
 - Belt: 36in Wide
 - Drive: 15HP
 - Belt Scraper
 - Hopper Dividers:
 - Quantity: 4
 - Height: 2ft
 - Foldable for Transport
 - Bulkhead:
 - Ramp Bulkhead: 8ft, Steel
 - Ramp Wings
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Triple Rear Axle, Air Ride Suspension
- Portable Weigh Feed Conveyor & Scalping Screen:
 - Scalping Screen:
 - Size: 4ft Wide x 10ft Long
 - Deck: Single
 - Screen Mesh: 2in Woven Wire Mesh
 - Drive: 5HP
 - Hopper: Mounted Below Screen
 - Weigh Feed Conveyor:
 - Belt: 30in Wide
 - Single Weight Idler
 - Wind Covers
 - Drive: 7.5HP
 - Quantity: 2
 - Belt Scraper
 - Receiving Hopper
 - Hydraulic Erect System
 - For Conveyor
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Single Rear Axle, Air Ride Suspension
- Portable Magnum 300 Counterflow Drum-Mix & Burner:
 - Slinger Conveyor:
 - Belt: 24in Wide, Heat Resistant
 - Drive: 5HP
 - Belt Scraper & Shield
 - Counterflow Drum-Mix:
 - 2 Zone: Drying/Mixing
 - Diameter: 7ft 4in Dia.
 - Length: 44ft
 - Drives: 30HP
 - Quantity: 4



- Drum-Mix Thermocouple
 - Infrared Sensor
 - Fines Inject Auger:
 - Drive: 5HP
 - AC Injection: Fixed 3in AC Line
 - Burner: Megastar MS-100
 - Capacity: 100 MMbtu/hr
 - Turbo Blower: 100HP
 - Tertiary Blower: 15HP
 - Cold Air Bleed Door
 - Hydraulic Erect System
 - Heavy Duty Hydraulic Cylinders
 - Quantity: 4
 - Hydraulic Power Unit
 - Chassis: Welded Rolled Steel Construction
 - Chassis Support Bases
 - Running Gear: Triple Rear Axle, Air Ride Suspension
- Portable RA418 Roto-Aire Baghouse:
 - Primary Dust: Inertial Dust Collector
 - Discharge Chute
 - Primary Return Auger:
 - Size: 14in Diameter
 - Drive: 15HP
 - Support Stand
 - Secondary Dust
 - Capacity: 65,000ACFM
 - Second Stage: Roto-Aire Bag Filter
 - Type: Reverse Air Cleaning
 - Filter Medium: Aramid 14oz/yd³ 894 Bags
 - Filter Area: 13,684ft³
 - Max Operating Temperature: 375°F
 - Filter Cabinet:
 - Construction: 3/16in Steel Plate
 - Cleaning:
 - Mechanism: Roto Step Reverse Induced Air Mechanisms
 - Drive: 0.75HP
 - Quantity: 4
 - Trough Hopper:
 - Construction: 3/16in Steel Plate
 - Hopper Augers:
 - Size: 16in Diameter
 - Drive: 7.5HP
 - Quantity: 2
 - Cross Auger:

- Size: 12in Diameter
- Drive: 5HP
- Fines Cross Auger:
 - Size: 9in Diameter
 - Drive: 5HP with AC Variable Frequency Inverter
- Reclaimed Dust Auger:
 - Shaft Mounted Gear Motor Drive: 10HP
- Dust Conditioner:
 - Feed: Chute from Reclaimed Dust Auger
 - Conditioner:
 - Capacity: 25tonnes/hr
 - Geared Motor Drive: 20HP
 - Rotor: Single Shaft with Feed Screw Flight and Mixing Paddles
 - Water Sprayers
 - Discharge Height: 10ft
- Water Tank and Pump:
 - Tank Capacity: 500gal
 - Centrifugal Pump:
 - Drive: 2HP
 - Pipework
- Support Structure:
 - Construction: Steel
 - Vehicle Access: 11ft 6in Wide Clearance
- Fan Unit
 - Type: Backward Inclined Centrifugal
 - Drive: 100HP
 - Quantity: 2
 - Exhaust Stack: 20ft Tall
- Ducting
- Air Volume Control
- Bag Protection
- Slam Damper
- Hydraulic Leveling:
 - Hydraulic Cylinders
 - Quantity: 4
- Chassis and Running Gear:
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Triple Rear Axle, Air Ride Suspension
- First and Second Fines Return Augers
 - Auger Size: 14in Diameter
 - Drive: 15HP
 - Support Stands
- Portable AC Storage System:
 - Horizontal Thermal Oil Heated Tank:



- Capacity: 35,000gal, Split 25,000gal/10,000gal
- Diameter: 10ft 6in Diameter
- Fill Inlet: 3in Diameter
- Supply Outlet: 3in Diameter
- Return Inlet: 3in Diameter
- Drain Outlet: 4in Diameter
- Vent/Overflow: 4in Diameter
- Heating Tubes: 2in Diameter
- Temperature Control
- Inspect Hatches: 24in
 - Quantity: 2
- Insulation and Cladding
- Asphalt Proportioning:
 - Variable Speed Pump: 3in Viking Jacketed Pump with VFD
 - Pump Capacity: 90GPM
 - Drive: 15HP
- AC Supply System:
 - Unload Pump: 3in Positive Displacement
 - Capacity: 200GPM
 - Drive: 15HP
 - Valves: 3in Three-Way Valves
 - Quantity: 2
- Pipework and Valves
- Heat Exchange Unit:
 - Heat Exchanger: 1,840,050 Btu/hr (464,000 Kcal/hr)
 - Burner: Fully Automatic Gas Fuel Burner
 - Drive: 1.5HP
 - Circulation Pump: Centrifugal
 - Capacity: 175GPM
 - Drive: 7.5HP
 - Expansion Tank: 150gal
- Controls
- Chassis and Running Gear:
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Triple Rear Axle, Air Ride Suspension
- Portable 95 Ton Self-Erect Mixed Material Storage:
 - Drag Slat Conveyor:
 - Size: 36in Wide x 36in Deep x 45ft Centers
 - Capacity: 450TPH
 - Drive: 60HP
 - Mixed Material Batcher
 - Mixed Material Storage Silo:
 - Capacity: 95 Tons @120lbs/ft³
 - Load Cells: 4



- Hydraulic Erect System:
 - Heavy Duty Hydraulic Cylinders
 - Quantity: 4
- Compressor & Pneumatics:
 - Compressor: 15HP with 120gal receiver
- Chassis and Running Gear:
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Detachable Triple Rear Axle
- Portable PRB-120 RAP Feed System and Scalping Screen:
 - Hopper: Single Compartment
 - Capacity, Heaped: 20 Ton
 - Loading Width: 14ft
 - Hopper Grid
 - Vibrator: 0.75HP
 - RAP Inclined Belt Feeder:
 - Capacity: 300TPH
 - Size: 30in Wide x 10ft 2in Centers
 - Belt: 30in Wide
 - Drive: 5HP with Variable Frequency Inverter
 - Scalping Screen:
 - Size: 3ft Wide x 6ft Long
 - Deck: Single
 - Screen Mesh: 2in Woven Wire Mesh
 - Drive: 5HP
 - RAP Weight Feed Conveyor:
 - Belt: 24in Wide
 - Single Weight Idler
 - Wind Covers
 - Drive: 7.5HP
 - Belt Scraper
 - Receiving Hopper
 - Hydraulic Erect System:
 - For Conveyor
 - Chassis and Running Gear:
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Single Rear Axle, Air Ride Suspension
- Portable Split-Level Control House/MCC:
 - Control House (High Level)/MCC:
 - Size: 28ft Long x 10ft Wide
 - Base Frame: Rolled Steel
 - Motor Controls:
 - Motor Panel
 - Contactors

- Standards: UL and CSA Approved
- Night Generator Change Over Isolator Switch
- Impulse III Control & Management System
- JWS Loadout System
- Chassis and Running Gear:
 - Chassis: Welded Rolled Steel Construction
 - Running Gear: Single Rear Axle, Air Ride Suspension

- Voltage: 600 Volts
- Frequency: 60Hz
- Phase: 3-Phase

- Location: Eastern Canada

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