



## Superior 8' x 16' Portable Feed Hopper Unit #1120

#1848263

Carrier Chassis

Construction - Heavy duty wide flange beam

Axle - Single, with dual 11x22.5 tires

Landing Legs - Crank-down

Fifth wheel - included

Brakes - complete air brake package

Lights - brake and directional signals

Mud flaps - installed behind transport wheels

Frame Skirting - Sheet metal side guard runs full length of hopper, under trailer frame; front section folds up for transport. BOTH Sides

Hopper

Size - 8' x 16' top opening

Construction - fabricated with 1/4" plate, reinforced around top and bottom

Capacity - 10 cubic yards struck

Bottom opening - tapered, with I-beam breaker bar

Hopper Skirting - Sheet metal side guard runs full length of hopper for protection of belt feeder, BOTH Sides

Grizzly

Grizzly - Grizzly Included, dumps to ditch side of plant

Manual or Hydraulic - Grizzly raises and lowers hydraulically, 15hp electric pumping unit, electrical controls

Bar style - Bars are of a triangular construction, 3/4" x 4" flat bars on top with 3/8" x 4" flat side



bars, adjustable spacing

Clear Spacing - 4" Spacing between grizzly bars

Self-Relieving - Not Included

Bi-directional - Includes hinge tabs and cylinder tabs to allow grizzly to dump to opposite side of plant. Hydraulic cylinders and hinge pins relocated to the opposite side by user.

Remote Control - Wireless, operates grizzly dump cycle

Belt Feeder

Size - 36" wide x 18' long

Drive - Class I head end

Gear reducer - Dodge shaft mount

Motor - 15 HP

V-belt drive - with drive guard

Capacity - 250-850 STPH of 100 PCF material, 25° surcharge (90% fines, 10% spherical lumps 4" minus)

Belt speed - variable, from 24 to 95 fpm

Superior Idlers - CEMA C, 5" dia. steel rolls, sealed for life ball bearings

Flat carrier - 7" spacing

Returns - steel rolls, on 10' spacing

Belt Scraper - Superior Exterra Primary

Discharge Conveyor

Size - 36" wide x 40' long

Drive - Class I head end

Gear reducer - Dodge shaft mount

Backstop - installed in reducer

Motor - 20 HP



V-belt drive - with drive guard

Capacity - 850 STPH of 100 PCF material, 25° surcharge (90% fines, 10% lumps 4" minus)

Belt speed - 350 fpm

Superior Idlers - CEMA B, 5" dia. rolls, sealed for life ball bearings

Load Area - 20° trough, 12-16" spacing

Trough - 35° on 4' spacing

Returns - steel rolls, on 10' spacing

Gathering trough - with adjustable rubber flashing

Rock guard - entire length of conveyor

Belt Scraper - Superior Exterra Primary

#### Conveyor Components

Drive pulley - 14" diameter, 3/8" herringbone lagged drum

Tail pulley - 14" diameter, MD Chevron® pulley

Shafts - Turned and polished

Bearings - Dodge

Take ups - Screw type

Belting - 3-ply 3/16 x 1/16 330 PIW

Belt splice - Flexco mechanical steel fasteners

#### Electrical

Voltage - 480 v / 3 ph / 60 hz

Electrical - enclosure with main disconnect, circuit breaker, and controller for variable frequency drive

Guarding - for drive and tail pulleys, v-belt drive and return idlers. Guards may not meet all local codes; customer is responsible to have guarding inspected.

