

Superior 8x16 Portable Feed Hopper Unit #1383

#SN 2285993

Equipment on Order:

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
- Grizzly-Hinged to dump to ditch side of plant.
- Grizzly Bar type-Triangular, Bars are of a triangular construction, 3/4" X 4" flat bars on top with 3/8" X 4" flat side bars
- Grizzly Spacing-adjustable at 2" increments to 4", 6", or 8" opening. Standard factory setting of 6" between bars
- Grizzly Raise-hydraulic raise, 15 HP electric hydraulic pumping unit, and electric controls
- Bi-directional grizzly-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-not applicable
- Hopper Skirting-Sheet metal side guard runs full length of hopper for protection of belt feeder, BOTH Sides
- Frame Skirting-Sheet metal side guard runs full length of hopper, under trailer frame; front section folds up for transport. BOTH Sides

Belt feeder

- Size-36" wide x 18' long
- Frame-8" channel frame, mounted on angle rail and removable from under hopper
- Drive-Class I head end
- Gear reducer-Dodge shaft mount
- Motor-20 hp, inverter duty
- V-belt drive-with drive guard
- Capacity-360-1200 STPH of 100 PCF material, 25° surcharge (90% fines, 10% spherical lumps 7" minus)
- Belt speed-variable, from 34 to 137 fpm
- Superior Idlers-CEMA C, 5" dia. steel rolls, sealed for life ball bearings
- Flat carrier-7" spacing
- Returns-steel rolls, on 10' spacing

Discharge conveyor

- Size-42" wide x 40' long
- Frame-24" deep truss
- Chord-3" x 3" x 1/4"



- Lattice-1 1/2" x 1 1/2" x 3/16"
- Drive-Class I head end
- Gear reducer-Dodge shaft mount
- Backstop-installed in reducer
- Motor-30 hp 1800 RPM TEFC
- V-belt drive-with drive guard
- Capacity-1200 STPH of 100 PCF material, 25° surcharge (90% fines, 10% lumps 7" minus)
- Belt speed-350 fpm
- Superior Idlers-CEMA C, 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

Conveyors Components

Superior pulleys

- 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
- Scraper-Superior Exterra® on Discharge Conveyor

-Superior Exterra® on Belt Feeder

Chassis

- Construction-Heavy duty wide flange beam
- Axle-Single, with dual 11x22.5 tires
- Landing Legs-manual pin adjustment
- Fifth wheel-included
- Brakes-complete air brake package
- Lights-brake and directional signals
- Mud flaps-installed behind transport wheels

Additional Specifications

- Power Supply-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.
- Paint-1 coat primer, 1 coat finish enamel Superior Beige

- Idler Paint-powder coated Superior Orange
- Owner's Manual-(1) copy in English included for operation and maintenance

