



# Superior 36x50 Portable Radial Stacking Conveyor Unit #1180

#2053801

**Conveyor Frame**

**Main frame**-24" deep truss

**Chord angles**-3" x 3" x 1/4"

**Lattice members**-1 1/2" x 1 1/2" x 3/16"

**Drive specifications**

**Drive**-Class I head end

**Gear reducer**-Dodge shaft mount

**Backstop**-installed in reducer

**Motor**-20 HP 1800 RPM TEFC

**V-belt drive**-with drive guard

**Capacity**-750 STPH of 100 PCF material, 25 degree surcharge (90% fines, 10% spherical lumps 6" minus)

**Belt speed**-400 fpm

**Superior pulleys:**

**Drive pulley**-16" diameter, 3/8" herringbone lagged drum

**Tail pulley**-14" diameter, CEMA Chevron® wing pulley

**Snub pulley**-not included

**Shafts**-Turned and polished

**Bearings**-Dodge

**Take ups**-Screw type

**Portability**



**Conveyor splice**-one piece truss frame

**Undercarriage**-Manual raise with pin lock adjustment

**Axle type**-Fixed width, road portable

**Transport axle**-Single 11R-22.5 tires and wheels

**Radial axle**-manual swivel boxes

**Radial travel**-manual

**Fifth wheel**-for road travel, bolt on design

**Anchor pivot**-maintains tail end during radial travel, for 5th wheel

**Brakes**-not included

**Lights**-brake and directional signals

**Mud flaps**-not included

**\*Axle jacks**-not included

**Landing gear**-manual pin adjustment

**Towing eye**-Pintle type hitch

#### **Conveyor Components**

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

**Belt splice**-Flexco mechanical steel fasteners

**Scraper**-Superior Exterra® Primary Belt Scraper

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

**Idler Seal**-Standard SpinGuard® Seal

**Load area**-20° trough, 12-16" spacing

**Trough**-35° on 4' spacing

**Returns**-steel rolls, on 10' spacing

**Radial hopper**-sloped, 5' long, bolt on design

**Gathering trough**-5' long with adjustable rubber flashing



#### **Additional Specifications**

**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.

**Voltage**-480 v / 3 ph / 60 hz

**Cord Holders**-(1) Set bent pipe style

**Electrical panel**-Control panel and wiring not included

**Paint**-1 coat primer, 1 coat finish enamel Superior Beige 12-00619

**Guard paint**-Safety Yellow

**Idler Paint**-powder coated Superior Orange

**Owner's Manual**-(1) copy in English included for operation and maintenance

**Sign Plate**-RB Scott sign plate installed

**Electrical**-Electrical panel mount for customer to add electrical panel at a later date 14"x14"