



Conveyor:

Main conveyor 36" x 80' with extendable conveyor 36" x 74' for up to 150' overall stockpiling length. 70" deep main conveyor frame. 54" deep extendable conveyor frame.

Idlers:

CEMA B – 5" diameter, 3 roll, 35 degree troughing idlers on 4' spacing with close-spaced 20 degree idlers at feed point, 8' spacing on flat steel return idlers.

Belt:

2 ply 220 PIW, 3/16" x 1/16" covers with mechanical fasteners.

Power:

850 TPH maximum capacity (100 pcf material). Class I Dodge shaft mount gear reducers with backstops. 3/60/230-460 TEFC electric motors. V-belts, motor mounts and guards.

Main Conveyor

30 Hp
 425 FPM
 TA-5 reducer
 16" dia., 3/8" grooved head
 14" dia. steel wing tail
 Screw take-up

Extendable Conveyor

30 Hp
 625 FPM
 TA-4 reducer
 16" dia., 3/8" grooved head
 14" dia. steel wing tail
 Screw take-up

Under Carriage:

Heavy Duty V-type with hydraulic powered twin cylinder raise and cylinder covers. Axle – gullwing axle assembly. Includes: walking beam travel axle with eight (8) 11-22.5 tires, four (4) 385/65D-19.5 radial travel tires, less cylinders. A stiff arm shall be provided in place of the fold down cylinders. King pin, air brakes, travel, brake and directional lights, mudflaps, power travel (2) hydraulic planetary power travel drives, cam arm-style rear undercarriage to maintain constant wheel radius when raising and lowering conveyor.

Receiving Trough and Radial Hopper:

Rock box style hopper – 5’ 6” long with adjustable rubber flashing.

Anchor Pivot:

Anchor plate (for radial travel)

Belt Cleaner (Optional):

Martin belt cleaner on head pulley of each conveyor.

Extendable Travel:

Hydraulic powered winch mounted at the tail end of the extending conveyor with 3/4” wire rope cable.

Hydraulics:

10 Hp electric/hydraulic power pack to operate undercarriage lift, power travel drives, and extendable conveyor. Includes all hydraulic tubing, hoses, gauges, filter and control valves.

Paint:

One primer coat, finish coat of Beige acrylic.

Wizard Touch Automation:

Wizard Touch Automation is an automated stockpiling control system with an easy-to-use touch screen interface that allows the user to take advantage of pre-programmed stockpiling capabilities. Includes capabilities for building desegregated inline, desegregated radial, and full radial piles within a user specified area.

Electrical:

NEMA 4 enclosure with main disconnect mounted on the rear undercarriage member; all starters and wiring to motors; start/stop pushbuttons for main conveyor motor, extendable conveyor motor, hydraulic power pack motor; cord holders and supports for power cable; LESS power cable – 460 volt, 3 phase, 60 hertz power required.

Options:

- Impact Idlers (3)
- Rubber disc return idlers
- CEMA C idlers
- Self training idlers
- 3 ply, 330 PIW belting
- Vulcanized belt splice
- Wizard Touch Automated Control System
- Remote Control – wireless operates within 1,000’
- (2) additional power travel drives for 4WD
- Hydraulic fold-down cylinders for Gullwing axle
- Manual landing jacks
- Material flow switch
- 1,000 TPH Upgrade

Physical / Operating Characteristics:

- Overall Length: fully extended 150’
- Travel Length; kingpin to tail..... 80’-5”
- Travel Width 11’-5”
- Travel Height:..... 13’-11”
- Feed Height:..... 10’-1”
- Minimum Discharge Height: 19’5”
- Maximum Discharge Height: 53’-11”
- Kingpin Travel Weight:..... 26,000 lbs
- Axle Travel Weight:..... 41,800 lbs

Stockpile Capacities (in tons/yd³):

	Fully Desegregated	Full Pile
Conical Pile	4,569/3,384	13,452/9,964
1 ° Pile Segment	190/141	511/380
90 ° Pile	21,669/16,056	59,442/44,164
180 ° Pile	38,769/28,728	105,432/78,364



700 W. 21st Street – P.O. Box 20
Yankton, South Dakota 57078

Phone: (605) 665-8771

FAX: (605) 665-8858

mail@kpijci.com

www.kpijci.com

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