

33-42170

SuperStacker® Telescoping Conveyor



Conveyor

- Main conveyor 42" x 100' [1,067mm x 30.5m]; 70" [1,778mm] deep frame
- Stinger Conveyor 42" x 74' [1,067mm x 22.6m]; 54" [1,371mm] deep frame
- Extension – conveyor extends from 100' [30.5m] to 170' [51.8m] overall length

Idlers

- CEMA C – 5" [127mm] diameter, 3 roll, 35-degree troughing idlers on 4' [1.2m] spacing with close-spaced 20-degree idlers at feed point, 8' [2.4m] spacing on flat steel return idlers.

Belt

- 3 ply, 330 PIW, 3/16" x 1/16" [4.8mm x 1.6mm] covers with mechanical fasteners

Power

- 1,200 TPH [1,089 MTPH] maximum capacity (100 pcf [1.3 ton per cubic meter] material). 1,500 TPH [1,361 MTPH] upgrade available. Class 1 Dodge® Shaft mount gear reducers with backstops. 3/60/230-460 TEFC electric motors, V-belts, motor mounts and guards

Main Conveyor	Stinger Conveyor
50 Hp [37.3 kW]	40 Hp [29.8 kW]
425 FPM [2.2 mps]	625 FPM [3.2 mps]
TA-5 reducer	TA-5 reducer
18" [457mm] dia., 3/8" [9.5mm] grooved head	16" [406mm] dia., 3/8" [9.5mm] grooved head
16" [406mm] dia. steel wing tail	16" [406mm] dia. steel wing tail
Screw take-up	Screw take-up

Under Carriage

- Heavy Duty V-type with hydraulic powered twin cylinder raise and cylinder covers.
- Axle – swing type axle with eight (8) 11-22.5 tires.
- Radial axle – transport axle manually swings to stacking position. Hydraulic axle jacks are an option.
- Tag axle with air spring suspension with super single tires is provided for road transport.
- Dual power travel – two hydraulic motors with chain and sprocket.
- Kingpin, air brakes, travel, brake and directional lights, mudflaps.
- Center heavy-duty tow eye
- Manual Landing Jacks

Receiving Trough and Radial Hopper

- Rock box style hopper – 5' 6" [1.7m] long trough with adjustable rubber flashing

Anchor Pivot

- Heavy-duty anchor pivot plate

Telescoping Travel

- Hydraulic powered winch mounted at the tail end of the main conveyor with ¾" [19mm] wire rope cable

Hydraulics

- 10hp [7.5kW] electric/hydraulic power pack to operate undercarriage lift, power travel drives, and hydraulic winch for telescoping the conveyor. Includes all hydraulic tubing, hoses, gauges, filter and control valves

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 preprogrammed stockpiling capabilities. Includes capabilities for building radial continuous, radial conical, and inline continuous stockpiles

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, stinger 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 splices
- Wizard Touch® automated control system
- Material flow sensor
- Remote control – wireless operates within 1,000' [305m]
- 1,500 TPH [1,361 MTPH] upgrade
- Hydraulic axle jacks – for raising the axle, to aid in positioning from road travel to operating position.
- Belt cleaners
- Hydraulic landing jacks
- Hydraulic tank heater
- Panel heater

Physical and Operating Characteristics

Dimension	Standard	Metric
Overall Length Fully Extended	170'	51.82m
Travel Length Kingpin to Tail	104' 1"	31.72m
Travel Width	11' 11"	3.63m
Travel Height	13' 11"	4.24m
Feed Height	10' 7"	3.22m
Maximum Discharge Height	14'	4.27m
Minimum Discharge Height	62' 3"	19m
Kingpin Travel Weight	24,000lb	9,072kg
Axle Travel Weight	60,000lb	27,216kg

Stockpile Capacities

Dimension	Full Pile	
	Short Tons	Metric Tons
90° Pile	80,000	72,600
180° Pile	140,000	127,000
270° Pile	200,000	181,400

