

33-30150

SuperStacker[®] Telescoping Conveyor



Conveyor

- Main conveyor 30" x 80' [762mm x 24.4m]; 70" [1,778mm] deep frame
- Stinger conveyor 30" x 74' [762mm x 22.6m]; 54" [1,371 mm] deep frame
- Extension – conveyor extends from 80' [24.4m] to 150' [45.7m] overall length

Idlers

- CEMA B – 5" [127mm] diameter, 3 roll, 35-degree trough 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

- 2 ply 220 PIW, 3/16" x 1/16" [4.8mm x 1.6mm] covers with mechanical fasteners

Power

- 500 TPH [454 MTPH] maximum capacity (100 pcf [1.3 tons per cubic meter] 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	Stinger Conveyor
20hp [14.9 kW]	20hp [14.9 kW]
425 FPM [2.2 mps]	630 FPM [3.2 mps]
TA-3 reducer	TA-3 reducer
16" [406mm] dia., 3/8" [9.5mm] grooved head	16" [406mm] dia., 3/8" [9.5mm] grooved head
14" [356mm] dia. steel wing tail	14" [356mm] 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 – gullwing type axle assembly. Includes walking beam travel axle with eight (8) 11-22.5 tires for road transport. Also includes four (4) fold-down 385/65D-19.5 tires for radial travel. Hydraulic cylinders are an option
- Dual hydraulic planetary power travel drives, 4-wheel drive is an option
- Cam-arm style rear undercarriage, to maintain constant wheel radius when raising and lowering the conveyor
- Center heavy-duty tow eye
- Kingpin, air brakes, travel, brake and directional lights and mudflaps

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 splice
- Wizard Touch® automated control system
- Remote Control – wireless operates within 1,000' [305m]
- (2) additional power travel drives for 4WD
- Hydraulic fold-down cylinders for gullwing axle
- Manual landing jacks
- Material flow switch
- Belt cleaners
- Hydraulic landing jacks
- Hydraulic tank heater
- Panel heater

Physical and Operating Characteristics

Dimension	Standard	Metric
Overall Length Fully Extended	150'	45.7m
Travel Length Kingpin to Tail	83' 2"	25.3m
Travel Width	11' 6"	3.5m
Travel Height	13' 9"	4.2m
Feed Height	10'	3.1m
Maximum Discharge Height	19' 11"	6.1m
Minimum Discharge Height	54' 3"	16.5m
Kingpin Travel Weight	20,800lb	9,435kg
Axle Travel Weight	36,600lb	16,601kg

Stockpile Capacities

Dimension	Fully Desegregated		Full Pile	
	TPH	MTPH	TPH	MTPH
Conical Pile	4,568	4,144	13,452	12,203
90° Pile	21,676	19,664	59,442	53,925
180° Pile	38,783	35,183	105,432	95,646
270° Pile	55,890	50,703	151,960	137,856

