

Radial Stacker - Highway

150' [45.7m] Stackers



Idlers

- All standard idlers are CEMA B – 5" [127mm] diameter
 - 35 degree troughing idlers on 4' [1.2m] spacing
 - 20 degree idlers at feed point close spacing
 - Flat steel return idlers on 10' [3m] spacing

Undercarriage

- Manual telescoping pin lock
- Axle – single axle with dual 11:00 – 22.5 tires on swivel wheel boxes

Receiving Trough

- 5' 6" [1.7m] long with adjustable rubber flashing

Belt Drive

- Head end drive
- 3/60/230-460 TEFC electric motor
- Class I Dodge® shaft mount reducer with backstop
- V-belt, motor mounts and guards
- 3/8" [9.5mm] grooved, head pulley
- Steel wing tail pulley
- 18" [457mm] Screw take-up

Belt

- 2 ply 220 PIW, 1/8" x 1/16" [3.2mm x 1.6mm] covers with mechanical fasteners

Conveyor Specifications

Belt Width		Frame Depth		Capacity*		Drive		Reducer	Head Pulley		Tail Pulley	
in	mm	in	mm	TPH	MTPH	HP	kW		in	mm	in	mm
24	610	42	1,067	250	227	25	18.6	TA3203	18	457	16	406
30	762	42	1,067	500	454	50	37.3	TA6307	18	457	16	406
36	914	42	1,067	750	680	50	37.3	TA6307	18	457	16	406

*Capacity based on 100 PCF [1.3 T/M3] Material

Options

- Belt cleaner
- Radial hopper
- Rock box hopper
- Oversized rock box hopper
- Hydraulic drive
- Self-contained power
- AR liners
- Anchor pivot
- Undercarriage lift cylinder
- 7.5hp [5.6] electric/hydraulic power pack
- Power travel
- Pintle hitch
- Impact idlers (3)
- Rubber disc return idlers
- CEMA C idlers
- 3 ply, 330 PIW belting
- Vulcanized belt splice
- Kingpin*
- Dual tires*
- Travel lights*
- Air brakes*

*Recommended for highway portability

Physical and Operating Characteristics

Dimension	Standard	Metric
Conveyor Length	150'	45.7m
Travel Length (king pin to tail)	75' 7"	23.1m
Travel Height	13' 11"	4.4m
Travel Width	11' 11"	3.6m
Feed Height	5' 2"	1.6m
Maximum Discharge Height	48' 7"	14.8m
Minimum Discharge Height	18' 2"	5.5m

Weights

Belt Width		Travel Weight (King Pin)		Travel Weight (axle)	
in	mm	lb	kg	lb	kg
24	610	8,000	3,630	30,000	13,610
30	762	8,800	3,990	32,700	14,830
36	914	14,300	6,490	37,500	17,010

Stockpile Capacities

Pile Type	Short Tons	Metric Tons
Conical Pile	10,072	9,140
90° Pile	44,212	40,110
180° Pile	78,352	71,080
270° Pile	112,490	102,050