

Radial Stacker

50' [15.2m] Stackers



Frame

- Heavy-duty lattice type

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 single 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
- 12" [305mm] Screw take-up
- Belt Speed - 350 FPM [1.7 MPS]

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	24	610	250	227	10	7.5	TA2115	16	406	14	356
30	762	24	610	500	454	15	11.2	TA3203	16	406	14	356
36	914	24	610	750	680	20	14.9	TA3203	16	406	14	356
42	1,067	24	610	1,000	907	30	22.4	TA4207	18	457	16	406

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

Belt

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

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 kW] 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
- King Pin*
- Dual Tires*
- Travel Lights*
- Air Brakes*

*Recommended for Highway Portability

Physical and Operating Characteristics

Dimension	Imperial	Metric
Conveyor Length	50'	15.2 m
Travel Length (king pin to tail)	49' 2"	15 m
Travel Height	12' 2"	3.7 m
Travel Width	11' 11"	3.6 m
Feed Height	5' 2"	1.6 m
Maximum Discharge Height	17' 5"	5.3 m
Minimum Discharge Height	12' 5"	3.8 m

Weights

Belt Width		Travel Weight (King Pin)		Travel Weight (axle)	
in	mm	lb	kg	lb	kg
24	610	2,700	1,225	7,800	3,538
30	762	3,000	1,361	9,700	4,400
36	914	3,600	1,633	10,100	4,581
42	1,067	4,500	2,041	11,600	5,262

Stockpile Capacities

Pile Type	Short Tons	Metric Tons
Conical Pile	474	351
90° Pile	1,956	1,449
180° Pile	3,438	2,547
270° Pile	4,920	3,645