

# Radial Stacker

## 40' [12.2m] 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, rubber lagged 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	7.5	5.6	TA1107	16	406	14	356
30	762	24	610	500	454	10	7.5	TA2115	16	406	14	356
36	914	24	610	750	680	15	11.2	TA3203	16	406	14	356
42	1,067	24	610	1,000	907	25	18.6	TA4207	16	406	14	356

\*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	40'	12.2 m
Travel Length (king pin to tail)	39' 1"	11.9 m
Travel Height	10' 11"	3.3 m
Travel Width	11' 11"	3.6 m
Feed Height	5' 2"	1.6 m
Maximum Discharge Height	14' 4"	4.4 m
Minimum Discharge Height	11' 4"	3.5 m

### Weights

Belt Width		Travel Weight (King Pin)		Travel Weight (axle)	
in	mm	lb	kg	lb	kg
24	610	2,400	1,089	7,800	3,538
30	762	2,800	1,270	8,100	3,674
36	914	3,400	1,542	9,000	4,082
42	1,067	4,100	2,860	10,100	4,581

### Stockpile Capacities

Pile Type	Short Tons	Metric Tons
Conical Pile	264	239
90° Pile	1,067	968
180° Pile	1,870	1,696
270° Pile	2,673	2,425