

# Radial Stacker

## 80' [24.4m] 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 (42" [1,067mm] belt width includes dual tires)

### 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 Speed - 350 FPM [1.7 MPS]

## Conveyor Specifications

Belt Width		Frame Depth		Capacity*		Drive		Reducer	Head Pulley		Tail Pulley		Snub Pulley	
in	mm	in	mm	TPH	MTPH	HP	kW		in	mm	in	mm	-	-
24	610	30	762	250	227	10	7.5	TA2115	16	406	14	356	-	-
30	762	30	762	500	454	20	14.9	TA3203	16	406	14	356	-	-
36	914	30	762	750	680	25	18.6	TA4207	18	457	16	406	-	-
42	1,067	36	914	1,000	907	40	29.8	TA5215	18	457	16	406	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
- AR liners
- Anchor pivot
- Undercarriage lift cylinder
- 7.5hp [5.6 kW] electric/hydraulic power pack
- Power travel - 2hp [1.5 kW] electric
- Power travel - hydraulic
- Pintle hitch
- CEMA C idlers
- Impact idlers (3)
- Rubber disc return idlers
- 3 ply, 330 PIW belting
- Vulcanized belt splice
- Manual top fold\* (head end only)
- Hydraulic top fold (head end only)
- Gullwing axle
- Planetary drive for gullwing axle
- Hydraulic axle raise
- Kingpin\*
- Dual tires\*
- Travel lights\*
- Air brakes\*

\*Recommended for highway portability

### Physical and Operating Characteristics

Dimension	Standard	Metric
Conveyor Length	80'	24.4m
Travel Length (king pin to tail)	54' 11"	16.7m
Travel Height	13'	3.9m
Travel Width	11' 11"	3.6m
Feed Height	5' 2"	1.6m
Maximum Discharge Height	26' 11"	8.2m
Minimum Discharge Height	13' 5"	4.1m

### Weights

Belt Width		Travel Weight (King Pin)		Travel Weight (axle)	
in	mm	lb	kg	lb	kg
24	610	2,400	1,089	12,700	5,761
30	762	3,200	1,451	14,900	6,758
36	914	5,300	2,404	16,800	7,620
42	1,067	5,500	2,495	19,200	8,709

### Stockpile Capacities

Pile Type	Short Tons	Metric Tons
Conical Pile	1,700	1,542
90° Pile	7,261	6,587
180° Pile	12,822	11,632
270° Pile	18,382	16,676