

Radial Stacker

100' [30.5m] 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 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 (42" x 100' [1,067mm x 30.5m] includes a wrap drive vs. head 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
- 24" [610mm] Screw take-up
- Belt Speed - 350 FPM [1.7 MPS]

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	30	762	250	227	15	11.2	TA3203	16	406	14	356
30	762	30	762	500	454	25	18.6	TA4207	18	457	16	406
36	914	30	762	750	680	30	22.4	TA4207	18	457	16	406
42	1,067	36	914	1,000	907	50	37.3	TA6307	-	-	-	-

Wrap Drive

Belt Width		Head Pulley		Drive Pulley		Snub Pulley		Tail Pulley	
in	mm	in	mm	in	mm	in	mm	in	mm
42	1,067	18	457	24	610	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 belt 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
- Landing gear
- Kingpin*
- Walking beam axle*
- Dual tires*
- Travel lights*
- Air brakes*

*Recommended for highway portability

Physical and Operating Characteristics

Dimension	Standard	Metric
Conveyor Length	100'	30.5m
Travel Length (king pin to tail)	51' 3"	15.6m
Travel Height	13' 2"	4m
Travel Width	11' 11"	3.6m
Feed Height	5' 2"	1.6m
Maximum Discharge Height	32' 9"	10m
Minimum Discharge Height	13' 2"	4m

Weights

Belt Width		Travel Weight (King Pin)		Travel Weight (axle)	
in	mm	lb	kg	lb	kg
24	610	4,500	2,041	14,900	6,759
30	762	6,100	2,767	20,000	9,072
36	914	7,600	3,447	20,600	9,344
42	1,067	7,100	3,674	27,800	12,610

Stockpile Capacities

Pile Type	Short Tons	Metric Tons
Conical Pile	3,173	2,878
90° Pile	13,712	12,439
180° Pile	24,250	21,999
270° Pile	34,788	31,559