

Radial Stacker

125' [38.1m] 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 (36" x 125' [914mm x 38.1m] and 42" x 125' [1,067mm x 38.1m] include wrap drive vs. 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
- 24" [610mm] Screw take-up
- Belt Speed - 350 FPM [1.7 MPS]

Belt

- 3 ply 330 PIW, 3/16" x 1/16" [4.8mm 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	36	914	250	227	15	11.2	TA3203	16	406	14	356
30	762	36	914	500	454	25	18.6	TA4207	18	457	16	406
36	914	36	914	750	680	40	29.9	TA5215	-	-	-	-
42	1,067	42	1,067	1,000	907	60	44.8	TA7315	-	-	-	-

Wrap Drive

Belt Width		Head Pulley		Drive Pulley		Snub Pulley		Tail Pulley	
in	mm	in	mm	in	mm	in	mm	in	mm
36	914	18	457	18	457	16	406	16	406
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
- Rubber tire drive
- AR liners
- Anchor pivot
- Undercarriage lift cylinder
- 7.5hp [5.6 kW] electric/hydraulic power pack
- Power travel - 2hp [1.5 kW] electric
- Pintle hitch
- CEMA C idlers
- Impact idlers (3)
- Rubber disc return idlers
- Belt drive upgrade
- Vulcanized belt splice
- Manual top folds* (head and tail)
- Hydraulic top folds (head and tail)
- Gullwing axle
- Planetary drive for gullwing axle
- Hydraulic axle raise
- Landing gear
- Kingpin*
- Walking beam axle*
- Travel lights*
- Air brakes*

*Recommended for highway portability

Physical and Operating Characteristics

Dimension	Standard	Metric
Conveyor Length	125'	38.1m
Travel Length (king pin to tail)	64' 1"	19.5m
Travel Height	13' 10"	4.2m
Travel Width	11' 11"	3.6m
Feed Height	5' 2"	1.6m
Maximum Discharge Height	41' 8"	12.7m
Minimum Discharge Height	17' 1"	5.2m

Weights

Belt Width		Travel Weight (King Pin)		Travel Weight (axle)	
in	mm	lb	kg	lb	kg
24	610	4,800	2,177	22,100	10,024
30	762	6,700	3,039	30,280	13,735
36	914	7,700	3,492	34,800	15,785
42	1,067	8,700	3,946	37,300	16,919

Stockpile Capacities

Pile Type	Short Tons	Metric Tons
Conical Pile	5,975	5,420
90° Pile	26,060	23,641
180° Pile	46,145	41,862
270° Pile	66,230	60,083