

# 2148-50LP

## Truck Unloader



### Undercarriage

- Heavy-duty truck frame
- Pin-lock adjustment of the conveyor discharge height [7'-10" to 10'-8"].
- Single axle with dual (4) 11:00 x 22.5 tires.
- Kingpin, air brakes, brake and directional lights, and mudflaps
- Manual hand crank landing jacks

### Low Profile Drive Over Hopper

- Capable of unloading end dumps and belly dumps
- 12' [3.7m] x 5 1/2' [1.7m] hopper with a flat bar grate with 6" [152mm] x 16" [406mm] openings
- Hydraulic pivoting sidewalls
- 10hp [7.5 kW] electric/hydraulic power pack
- Adjustable discharge gate

### Conveyor Frame

- 48" [1,200mm] x 50' [15.2m] conveyor
- Heavy-duty 8" [203mm] channel frame
- 210 fpm [1.1 m/s] belt speed
- Screw type take-up

### Belt

- 3 ply, 330 PIW, 3/16" x 1/16" [4.8 mm x 1.6mm] covers
- Vulcanized splice

### Drive

- 1,000 TPH [909 MTPH] unloading capacity
- Dual 15hp [11.2 kW] electric head end drive (1,800 RPM, TEFC 3/60/460)
- Class I, Dodge® MTA4 shaft mount gear reducers
- Backstops
- Remote grease lines
- Drive pulley – 20" [508mm] diameter ceramic lagged head pulley with Dodge® bearings
- Snub pulley – with Dodge® bearings
- Tail pulley – 18" [457mm] stell wing with Dodge® bearings

### Idlers

- CEMA C – 5" [127mm] diameter with sealed for life bearings
- 20-degree picking style idlers in the load area
- 20-degree troughing idlers on 3.5' [1.1m] spacing on conveyor
- Rubber disc returns on 10' [3.0m] spacing

### Belt

- Ground accessible start/stop push button controls
- NEMA 4 enclosure with main disconnect
- LESS power cable – 460 volt, 3 phase, 60 hertz power required

## Options

- Belt cleaner
- Discharge hood
- Wireless remote control for swing walls
- Hydraulic undercarriage lift cylinder
- Hydraulic landing jacks
- On-board diesel GenSet – CAT 7.1 – 225 Tier IV engine with 125 kW generator

## Physical and Operating Characteristics

Dimension	Standard	Metric
Overall Length	64' 5"	19.6m
Travel Length – Kingpin to Tail	62' 8"	19.1m
Travel Width	12'	3.6m
Travel Height (with GenSet)	12'	3.6m
Travel Height (without GenSet)	10' 4"	3.2m
Discharge Height (max)	10' 5"	3.2m
Discharge Height (min)	7' 10"	2.4m
Travel Weight (GenSet); kingpin	16,860lb	7,650kg
Travel Weight (GenSet); axle	21,350lb	9,685kg
Travel Weight (no GenSet); kingpin	14,375lb	6,520kg
Travel Weight (no GenSet); axle	18,430lb	8,360kg

