



# CHANTLAND

PVS

Material Handling Solutions

## XLI-SERIES SELF-POWERED INCLINE CAR UNLOADER

*Over track, under car portable belt conveyor designed to unload bulk materials from hopper bottom rail cars or hopper bottom trucks and wagons and discharge into bucket elevator legs or incline conveyors.*



### DESIGN FEATURES:

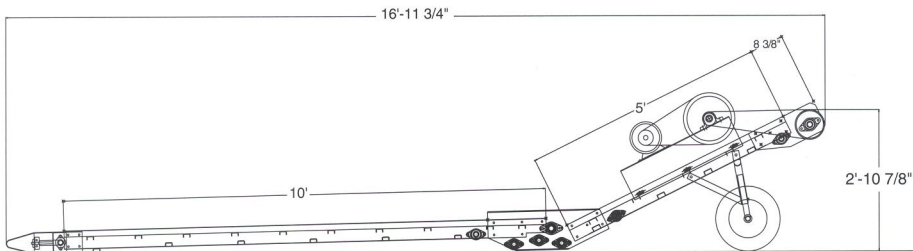
- Mild steel or T304 stainless steel frame (10' horizontal with 5' or 7' long incline section)
- Adjustable belt skirting (full length)
- 3 HP or 5 HP 3ph TEFC motor and drive (shielded)
- Stainless steel take-up bolts
- 12" to 30" wide pattern top belt with stainless steel lacing
- V-trough with rod bottom helps reduce material build up under the belt
- 16" dia. semi-pneumatic wheels

# SOLUTIONS

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# XLI-SERIES SELF-POWERED INCLINE CAR UNLOADER



## STANDARD SPECIFICATIONS:

- **FRAME:** Formed heavy gauge sheet metal. Mild steel with white chemical resistant paint or #304 stainless steel construction
- **WHEELS:** 16" dia. semi-pneumatic
- **PULLEYS:** 6" dia. crowned and lagged drive pulley with 1 3/16" dia. shaft. 2 1/2" dia. crowned and lagged take-up pulley with 1" dia. shaft. Snub rollers, bend rollers, and return rollers have heavy-duty shafts.
- **BEARINGS:** 2-hole flange and pillow block. Sealed, self-aligning, and regreasable.
- **BELT:** 12" to 30" wide 120# patterned top PVC with stainless steel splice. Standard belt speed is 350 fpm
- **BELT SKIRTING:** Adjustable – both sides – full length
- **DRIVE:** Totally enclosed electric motor with V-belts to roller chain jack shaft drive (shielded)
- **ELECTRICAL:** 3 phase

- **APPROXIMATE CAPACITIES:** Based on 65# cu ft material. Will vary with angle of incline

12" belt	40 tph
16" belt	53 tph
18" belt	60 tph
20" belt	66 tph
24" belt	80 tph
30" belt	100 tph

## OPTIONS:

- **XL-5 TRUCK UNLOADING HOPPER:** Removable
- **LONGER UNITS:** Are available
- **APPROXIMATE WEIGHTS:**

12" x 10' x 5'	720#
12" x 10' x 7'	820#
16" x 10' x 5'	800#
16" x 10' x 7'	920#
18" x 10' x 5'	840#
18" x 10' x 7'	960#
20" x 10' x 5'	880#
20" x 10' x 7'	1000#
24" x 10' x 5'	960#
24" x 10' x 7'	1100#
30" x 10' x 5'	1080#
30" x 10' x 7'	1230#