

Masaba 8'x14' Portable Feed Bin Plant



8' x 14' Hopper & Chassis

- Main Frame - constructed of wide flange beam with (2) Freuhalf style Crank down leveling jacks & cord holder
- Single Axle – with (4) 11:00 x 22.5 bias ply tires, air brakes, mud flaps, brake & directional signals
- Hopper – 8' wide x 14' long. Constructed of 1/4" steel plate with baffle and adjustable rubber flashing
- Hopper capacity is about 15 cubic yards, non-heaped.
- Guarding – Appropriate guarding supplied. We do not warrant that our guards will meet all local codes. It is the responsibility of the end user to have them checked by a local inspector.
- Paint - One coat primer and one coat high solids machinery enamel in Terex White
- Owners Manual – for parts and maintenance

Switchgear / electrical

- Switchgear – on plant, mounted in NEMA enclosure with Variable Frequency Drive for belt feeder, start stop for discharge conveyor, e-stop & disconnect. No extra starters or lead cord.

36" x 18' Belt Feeder

- Main Frame – 10" channel
- Drive – Head drive
- Gear reducer – Dodge #5 with two groove sheave & QD bushing, no backstop
- Motor – 15 Hp, 1800 rpm, tefc, 460v, 3ph, 60 Hz
- V-belt drive – With drive guard
- Belt speed – 120 FPM
- Capacity – maximum of 840 tph
- Drive pulley – 14" diameter rubber lagged drum pulley
- Drive shaft & bearings – 2 15/16" shaft with Dodge SCM bearings
- Tail pulley – 14" diameter self cleaning wing pulley

- Tail shaft & bearings – 2 15/16” shaft with Dodge SCM bearings
- Take ups – 18” screw type
- Belting – 36” 3 ply 3/16” x 1/16” conveyor belt
- Belt splice – Flexco mechanical steel fasteners
- Idlers – Precision Cema B, 5” diameter sealed bearing flat carrier idlers at close spacing
- Return idlers – Precision Cema B, 5” diameter return roller

36” x 35’ Adjustable Height Discharge Conveyor

- Main Frame – Channel or 24” lattice frame (determined when designed and engineered)
- Drive – Head drive
- Gear reducer – Dodge #5 with three groove sheave & QD bushing, with backstop
- Motor – 20 Hp, 1800 rpm, tefc, 460v, 3ph, 60 Hz
- V-belt drive – With drive guard
- Belt speed – 400 FPM
- Drive pulley – 16” diameter rubber lagged drum pulley
- Drive shaft & bearings – 2 15/16” shaft with Dodge SCM bearings
- Tail pulley – 14” diameter self cleaning wing pulley
- Tail shaft & bearings – 2 15/16” shaft with Dodge SCM bearings
- Take ups – 18” screw type
- Belting – 36” 3 ply 3/16” x 1/16” conveyor belt
- Belt splice – Flexco mechanical steel fasteners
- Transition Idlers – Precision Cema B, 5” diameter 20 degree sealed idlers
- Troughing idlers – Precision Cema B, 5” diameter 35 degree trough idlers at 4’ spacing
- Return Idlers – Precision Cema B, 5” diameter return roller
- Hopper – 6’ long with adjustable rubber flashing
- Adjustable height support – Manually adjustable with pin lock height adjustment. 14’ maximum discharge height

Weights and Dimensions

- Weights
 - Axle weight = 13,270 lbs
 - King Pin weight = 9,240 lbs
- Transport dimensions
 - Overall length = 48’-9”
 - King pin to rear = 47’-8”
 - King pin to axle = 31’
 - King pin to jack leg = 8’
 - Transport height = 13’-4”
 - Transport width = 10’-10”
- Operating dimensions
 - Max height under head pulley of discharge conveyor when raised in operating position = 14’