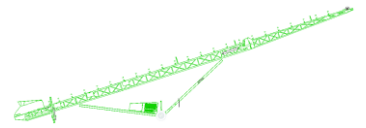


# Specifications: ST80



**Note: Optional equipment may be displayed**



## **DESCRIPTION**

Heavy duty mobile wheeled stockpiling conveyor with following features:

- 900mm (36") wide heavy duty 80' long conveyor
- 36.5kW (49hp) Kubota diesel engine
- Road towable
- Air brakes, mud flaps, lights
- Large feed hopper
- Hydraulic folding frame for easy transport
- Fast on site setup time (5 minutes)
- Abundant service room inside power-pack

## **DIMENSIONS AND WEIGHTS**

### Working Dimensions

|        |                  |
|--------|------------------|
| Length | 24.39m (80')     |
| Width  | 3.1m (10' – 2")  |
| Height | 9.47m (31' – 1") |

### Transport Dimensions

|        |                  |
|--------|------------------|
| Length | 18.8m (61' - 8") |
| Width  | 3m (10' – 2")    |
| Height | 4.11m (13' – 6") |

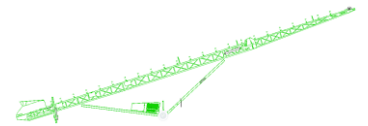
|                      |                     |
|----------------------|---------------------|
| Weight (approximate) | 9090kg (20,000 lbs) |
|----------------------|---------------------|

## **CONVEYOR**

|                          |                                      |
|--------------------------|--------------------------------------|
| Belt width               | 900mm (36")                          |
| Belt length              | 24.38m (80') drum centers            |
| Belt spec                | Heavy Duty Plain 36 in – 3/16 X 1/16 |
| Drive drum diameter      | 355mm (14")                          |
| Tail drum diameter       | 304mm (12")                          |
| Motor                    | Eaton 630cc/rev (38.4 cu.in/rev)     |
| Flow rate                | 96 LPM (25.4 US GPM)                 |
| Adjustable speed         | Yes                                  |
| Drive drum maximum speed | 152 rpm                              |
| Belt maximum speed       | 167m/min (548 ft/min)                |

## **CAPACITIES**

|                             |                            |
|-----------------------------|----------------------------|
| Stockpile height            | 9.47 m (31' – 1")          |
| Stockpile capacity          | 1556 cu. m (2035 cu. yds.) |
| Radial pile capacity at 90° | 5739 cu. m (7500 cu. yds.) |
| Production                  | 500 TPH (standard)         |
| Optional Production         | 800 TPH (maximum)          |



## **POWERUNIT AND HYDRAULICS**

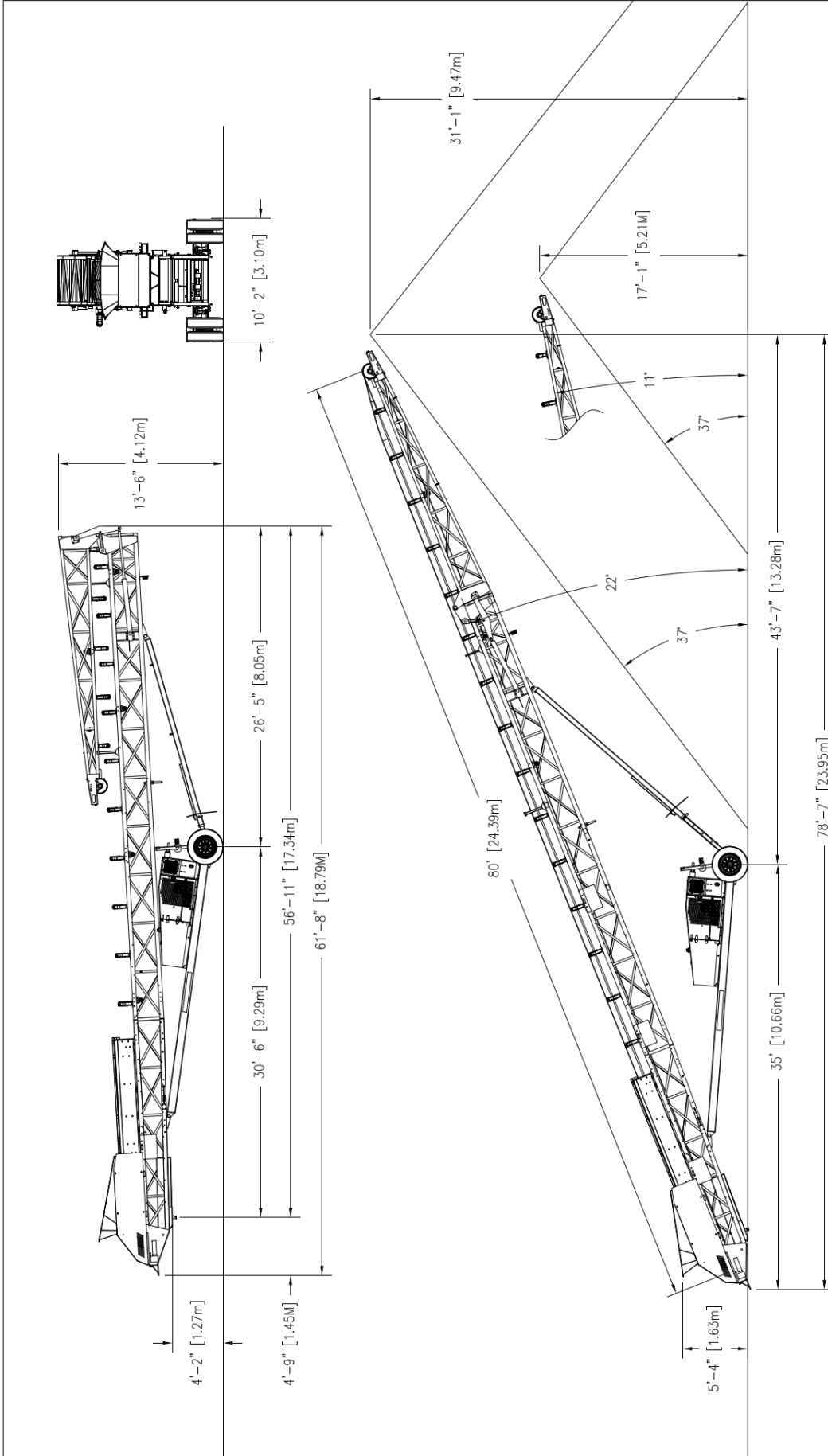
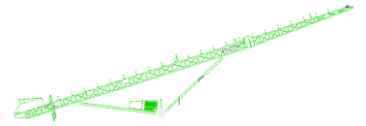
|                         |                                 |
|-------------------------|---------------------------------|
| Engine                  | Kubota V2203M                   |
| Engine power            | 36.5kW (49hp)                   |
| Engine speed            | 2400 rpm                        |
| Flywheel Pump           | Permco 40cc (2.48 ci) cast iron |
| Total system flow       | 96 LPM (25.4 US GPM)            |
| Hydraulic tank capacity | 440 L (116 US gal)              |
| Diesel tank capacity    | 330 L (87 US gal)               |
| Hydraulic Oil cooler    | Yes                             |

## **STANDARD FEATURES**

External belt alignment points  
Ground Level Greasing on all pulley bearings  
Engine safety shutdown systems  
Full safety guarding for pinch points

## **OPTIONS**

Kubota V3600T - 67kW (90hp)  
Electric Drive  
Dual Power  
Chevron Belt  
Martin Scraper  
Belt Scale  
Spray Bar  
Hydraulic Close Coupled Drive  
Anti-Segregation Paddle Wheel  
Auxiliary Guarding  
Hopper Wing Plates  
Hopper Wear Plate Liner  
Impact Idlers Under Hopper  
Axle Extensions  
Axle Jacks  
Landing Gear  
Powered Wheel Drive  
Magnet Material Separator



|  |           |                 |          |
|--|-----------|-----------------|----------|
| <p>McCloskey INTERNATIONAL LIMITED<br/>ST80 WHEELED</p>  |           | PROJECT/MACHINE |          |
|  |           | ST80-DWG        |          |
| <p>McCloskey INTERNATIONAL LIMITED RESERVES ALL PROPRIETARY RIGHTS TO THIS DRAWING AND THE DATA SHOWN THEREON. THIS DRAWING IS SUBMITTED IN CONFIDENCE AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF McCloskey INTERNATIONAL LIMITED. ANY DESIGN, LAYOUT AND DIMENSIONS ARE SUBJECT TO CHANGE.</p> |           | JOB / ASM #     | REV. #   |
| <p>TOLENCES EXCEPT AS NOTED:</p> <p>FRACTIONAL ±1/16<br/>DIMENSIONAL ±.005<br/>ANGLE ±1°</p>   |           | DWN. RW         | REV. #   |
| <p>STOCKPILE HEIGHT CORRECTED</p>  |           | SEPT 20/11      | DWG. #   |
| <p>REVISION DESCRIPTION</p>  |           | ST80-DWG        | SERIES # |
| 5  | 19-MAY-16 |                 | 5        |
| #  | REV. DATE |                 | 1        |