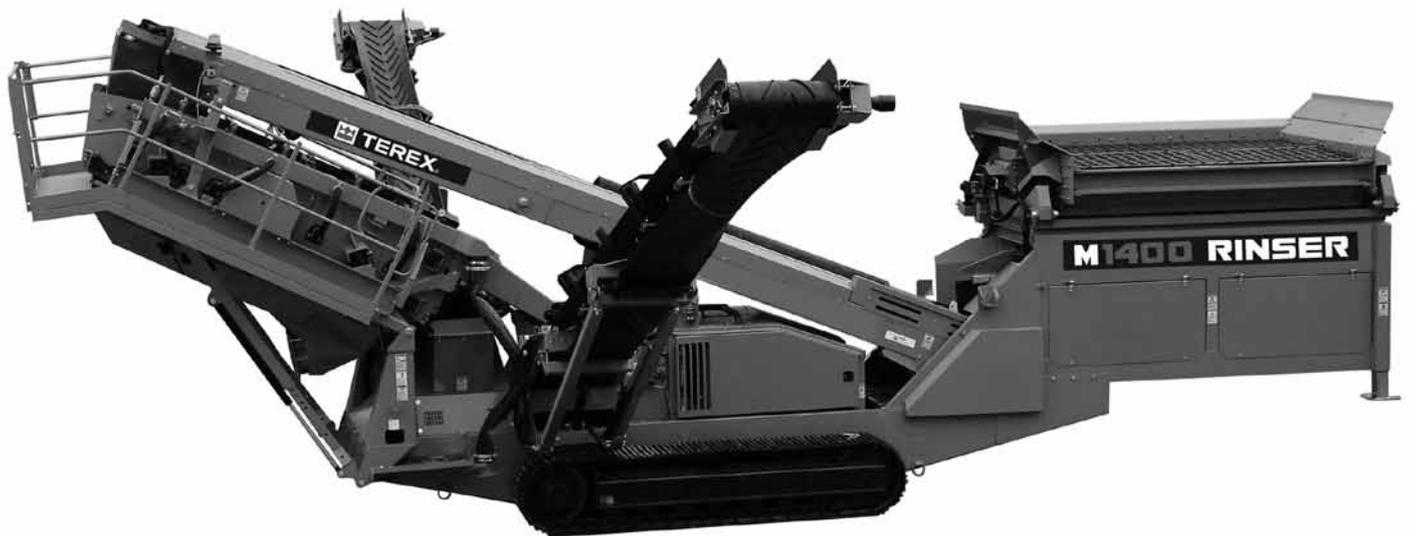


# M 1400 WASHPLANT



## FEATURES

- Fully mobile washing plant
- On board hydraulically folding side conveyors
- Capable of producing up to 4 end products
- Quick set up time
- Ideally suited to applications including coal, crushed stone, recycled materials, iron ore, sand and gravel
- Can work independently or as part of an entire wash plant

## FEATURES AND BENEFITS

- High capacity (depending on mesh sizes and material type)
- Quick set up time typically under 15 minutes
- Maximum mobility with heavy duty, low ground pressure crawler tracks (track)
- Approved gld braking axles, spring suspension, mudguards and 235/65/r17.5 Dual road wheels (wheel)
- Removable heavy duty pendant remote control system (track)
- Optional radio control system available if required at extra cost (track)
- High performance hydraulic system
- Angle adjustable tipping grid with radio control double acting tipping grid rams
- Low profile single or double deck vibrating grid option with remote control tipping. Angle adjustable and fully riveted construction

## APPLICATIONS

- Sand and gravel
- Topsoil
- Coal
- Crushed stone
- Recycling
- Iron ore

## SPECIFICATIONS

### M 1400 WASHPLANT

MODEL OPTION	TRACK	WHEEL
TRANSPORT WIDTH	2.75m (9')	2.75m (9')
TRANSPORT LENGTH	14.1m (46' 3")	15.4m (50' 6")
TRANSPORT HEIGHT	3.2m (10' 6")	3.9m (13' 1")
WORKING WIDTH	16.2m (53' 2")	16.2m (53' 2")
WORKING LENGTH	13.8m (45' 5")	14.7m (48' 6")
WORKING HEIGHT	4.73m (15' 8")	5.06m (16' 7")
SCREEN UNIT	4 - bearing 3.3m x 1.5m (11' x 5')	
POWER UNIT	Diesel Hydraulic 75kW(100hp)@2200rpm	
TOTAL WEIGHT (VIBRATING GRID OPTION)	28,660kg (63,052lbs)	25,220kg (55,484lbs)

## HOPPER & GRID

Adjustable angle tipping grid with integral loading and wing plates

GRID OPENING	4.18m x 1.8m (13'-9" x 5'-11") 14ft
GRID APERTURE	102mm (4")
TARGET AREA	4.9 x 1.8m (16'-1" x 5'-11") 14ft
HOPPER CAPACITY	8.75m <sup>3</sup> (11.44cu.yds) W 14ft Hopper 8.15m <sup>3</sup> (10.65cu.yds) T 14ft Hopper



## SCREEN UNIT

3.3 x 1.5m (11' x 5') double deck, 4 bearing, free floating vibration system which eliminates the need for fine tuning



## MAIN CONVEYOR

1050mm (42") 3 ply belt

Hydraulic drive with steel skirting

Omv 630 drive motor

Working angle 18° - 26°, hydraulically adjustable



## SIDE CONVEYORS

650mm (26") (EP 315/3 ply belt) wide hydraulically folding side conveyors with individual, variable speed control

4.45m (14' - 7") stockpile height (Measured to drum centre) (Track)

4.68m (15' - 4") stockpile height (Measured to drum centre) (Wheel)



## POWER UNIT & HYDRAULICS

<b>STANDARD DIESEL ENGINE</b>	developing 74.9kW (100.5hp) at 2200rpm
<b>OPTIONAL DIESEL ENGINE (1)</b>	developing 83kW (111.3hp) at 2200rpm
<b>OPTIONAL DIESEL ENGINE (2)</b>	developing 125kW (168hp) at 2200rpm
<b>FLYWHEEL PUMP1</b>	Cast iron tandem pump 32cc/rev (1.95ci/rev) each circuit <i>(Pump1 not used on shredder machine)</i>
<b>PTO PUMP2</b>	Cast iron tandem pump 23cc/rev (1.40ci/rev) each circuit
<b>FLYWHEEL PUMP3</b>	Cast iron triple pump 46cc (2.80ci/rev) / 33 cc (2.01ci/rev) / 33cc (2.01ci/rev) per rev <i>(Shredder only)</i>
<b>FEEDER MOTOR</b>	Cast iron motor 160cc/rev (9.76ci/rev)
<b>SHREDDER MOTOR</b>	Cast iron motor 102cc/rev (6.22ci/rev)
<b>MAIN CONVEYOR MOTOR</b>	Cast iron motor 630cc/rev (38.44ci/rev)
<b>TAIL CONVEYOR MOTOR</b>	Cast iron motor 500cc/rev (30.51ci/rev)
<b>SIDE CONVEYOR MOTOR</b>	Cast iron motor 400cc/rev (24.4 ci/rev)
<b>SCREEN MOTOR</b>	Cast iron motor 336cc/rev (3.60ci/rev)



## TANK CAPACITIES

<b>HYDRAULIC TANK</b>	564L (124gal)
<b>DIESEL TANK</b>	336L (74gal)

## ROAD TRANSPORT

<b>WHEELS</b>	235 / 75 / R17.5 Dual
<b>AXLE</b>	Approved braking axle (GLD manufacture)
<b>SUSPENSION</b>	Mono leaf spring suspension
<b>BRAKES</b>	Air brakes, (ABS optional)
<b>MUDGUARDS</b>	Plastic type
<b>LATERAL PROTECTION</b>	Optional extra
<b>LIGHTS</b>	Optional extra



## CRAWLER TRACK DATA

<b>TRACTIVE EFFORT</b>	14,276 daN
<b>GRADABILITY PERCENTAGE</b>	77 -75 %
<b>GEARBOX RATIO</b>	1:122
<b>HYDRAULIC MOTOR</b>	63cc/rev
<b>APPROXIMATE SPEED</b>	0.8 km/hr (0.54mph)



## RINSER OPTION CATCH BOX

Hydraulically hinged, giving access to the bottom deck for mesh changes

50-50 Fixed division plate. Adjustable division plates for 1/3-2/3 option

10" Outlets

Single or double grade catch box with option rubber lining

Optional adjustable division plates to blend sands



## WASH BOX

Adjustable 5 nozzle spray bar

Feed conveyor belt scraper

Steel wear plate



## SCREEN BOX

10 steel spray bars split into 5 bars per deck

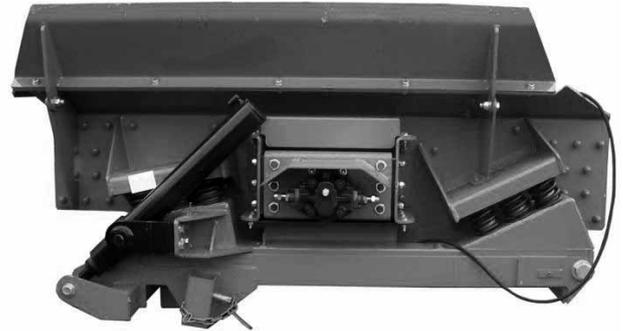
Top decks with plastic nozzles

Bottoms deck with brass nozzles



## VIBRATING GRID OPTION

<b>SCREEN SIZE</b>	3.05m x 2.14m (10' x 7'). For Double deck
<b>BOTTOM DECK SCREEN SIZE</b>	2 off 1.9 x 1.5m (6'3" x 4'11")
<b>WORKING ANGLE</b>	10° degrees to 20° degrees adjustable
<b>TIP ANGLE</b>	45° degrees maximum
<b>MOTOR</b>	59cc/rev
<b>CIRCUIT</b>	Coupled to main conveyor circuit
<b>TRANSPORT HEIGHT</b>	3.4m (11' - 1.75") (Track)
<b>TRANSPORT HEIGHT</b>	4.0m (13' - 1") (Wheel)
<b>TOTAL WEIGHT</b>	28,660kg (63,052lbs) (Track)
<b>TOTAL WEIGHT</b>	25,220kg (55,484lbs) (Wheel)

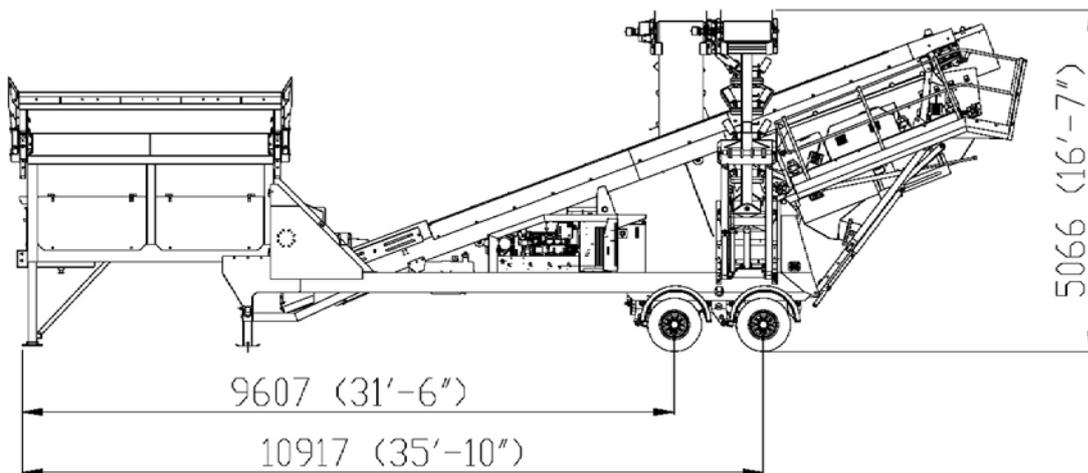
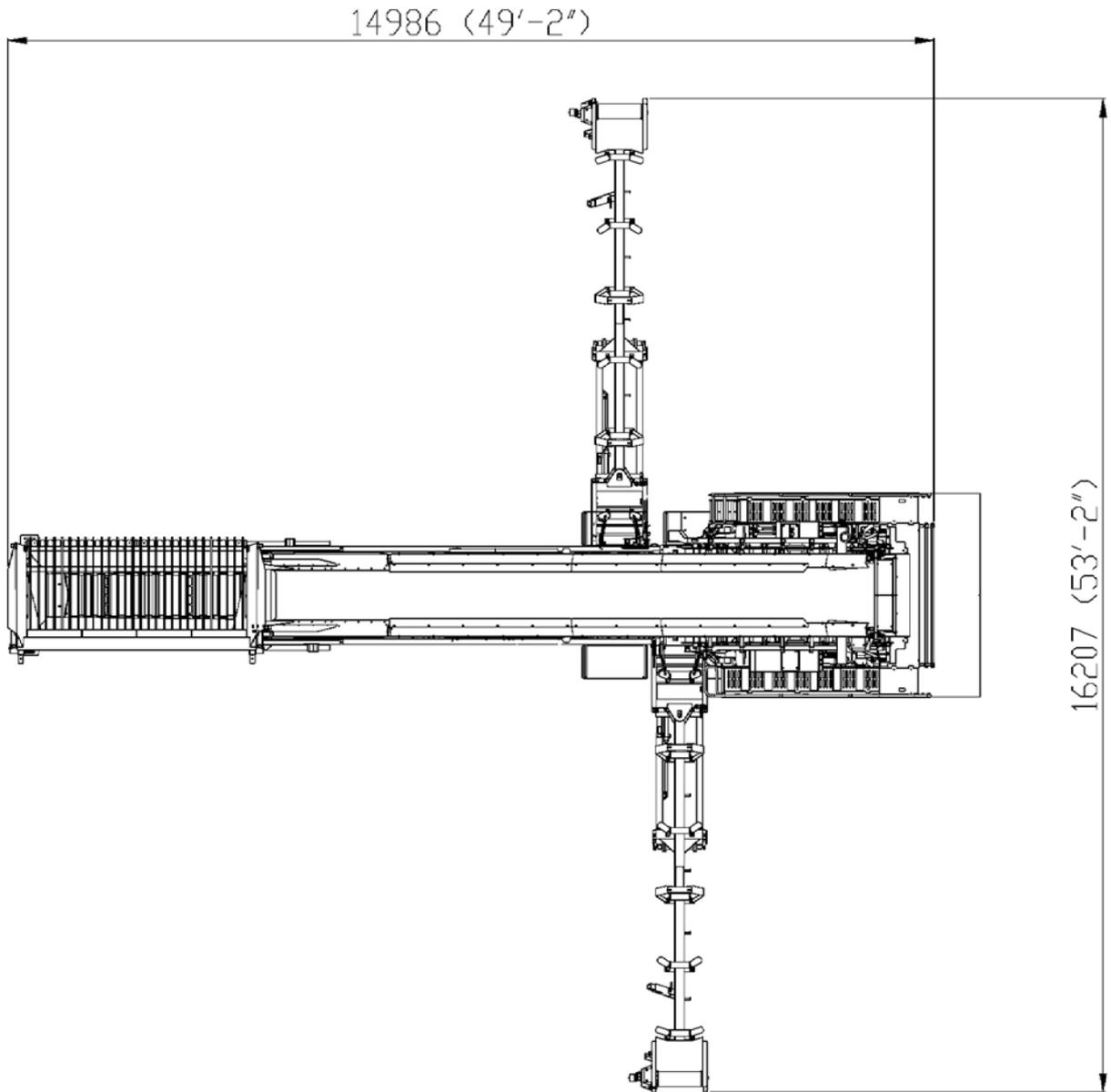


## OPTIONS

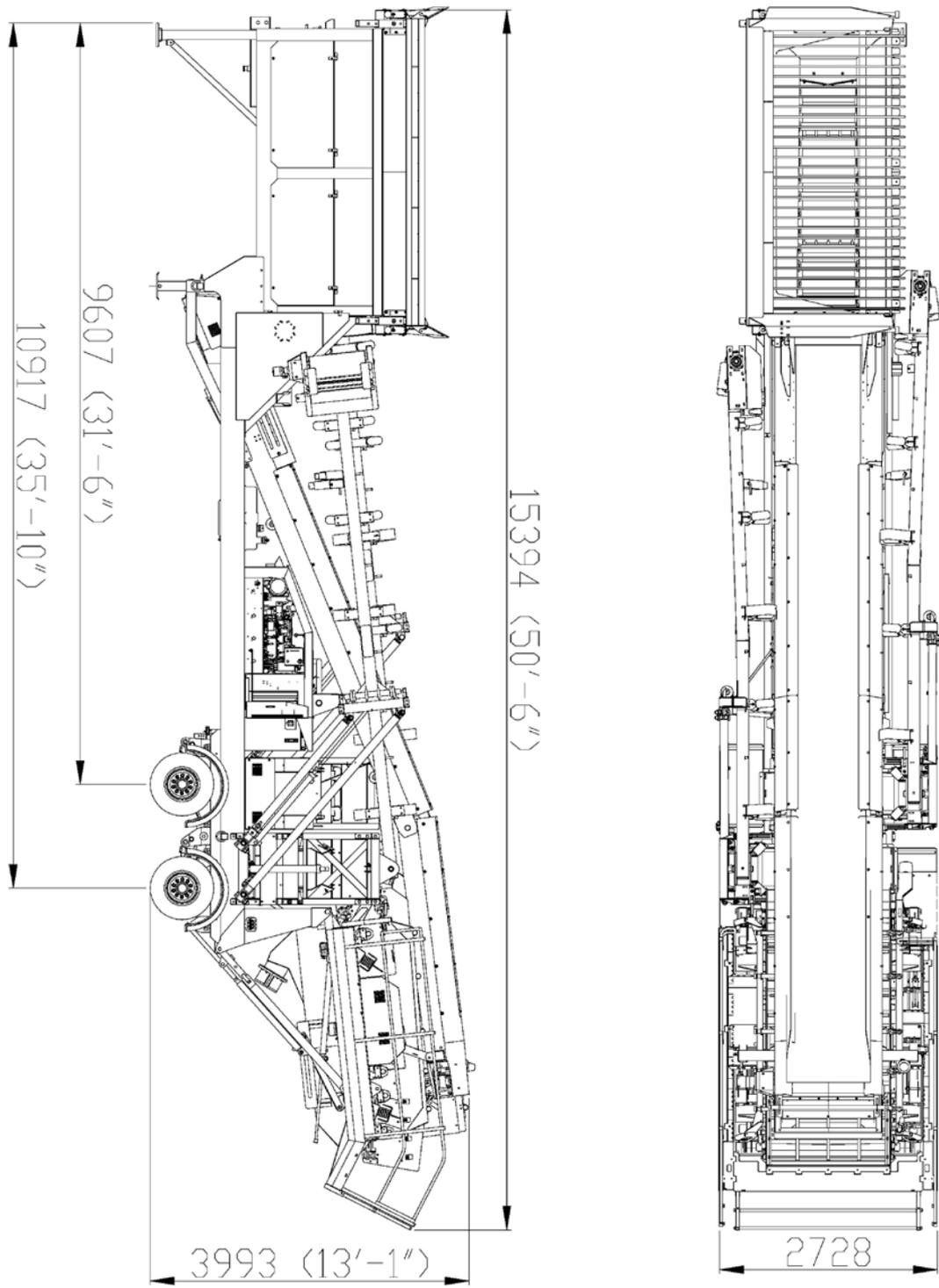
- Crusher feed chute
- Anti-roll back on main conveyor
- Vibrating grid
- Vibrating grid discharge chute
- Dual power (can be operated electrically)
- Quick release wedge screen tensioning system
- 25mm aluback wearplate in washbox
- Sealed pipes with bonded rubber lining
- 11' x 5' single or twin grade catchbox
- Wheel or track mobile
- Roll-in bogie prepared
- Roll-in bogie equipped
- Abs braking axle with leaf spring suspension and handbrake
- Radio controlled tracks
- Prepared tuv chassis
- Auto lubrication system
- Hydraulic screen tensioning
- Dry screen tail conveyor
- Single or double deck vibrating grizzly
- Single shaft, flail type shredder
- Wheel bogie for track machine
- Hydraulic jacking legs

# DIMENSIONS

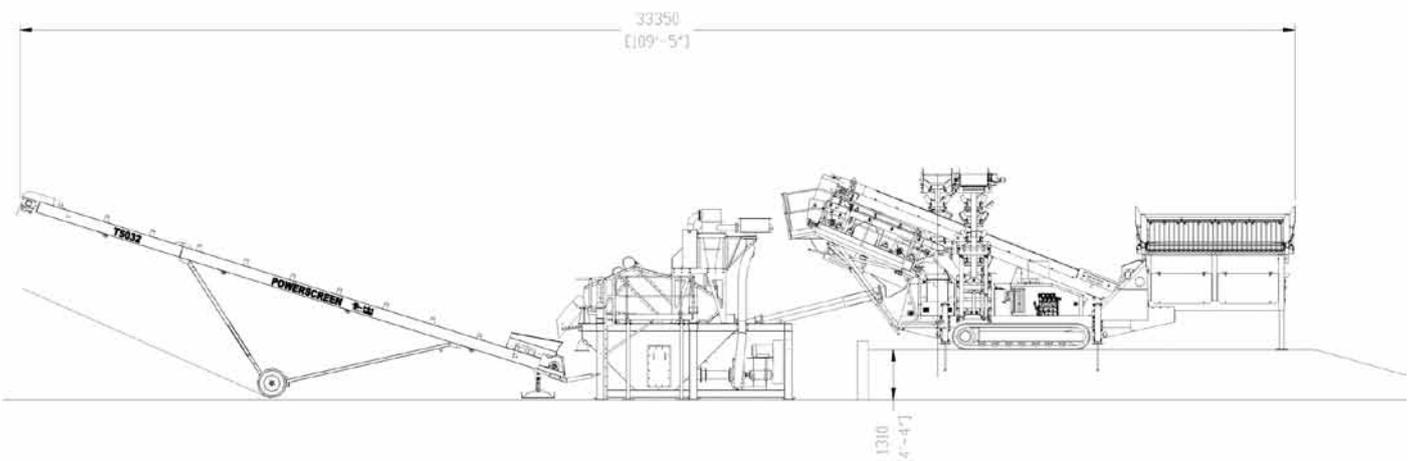
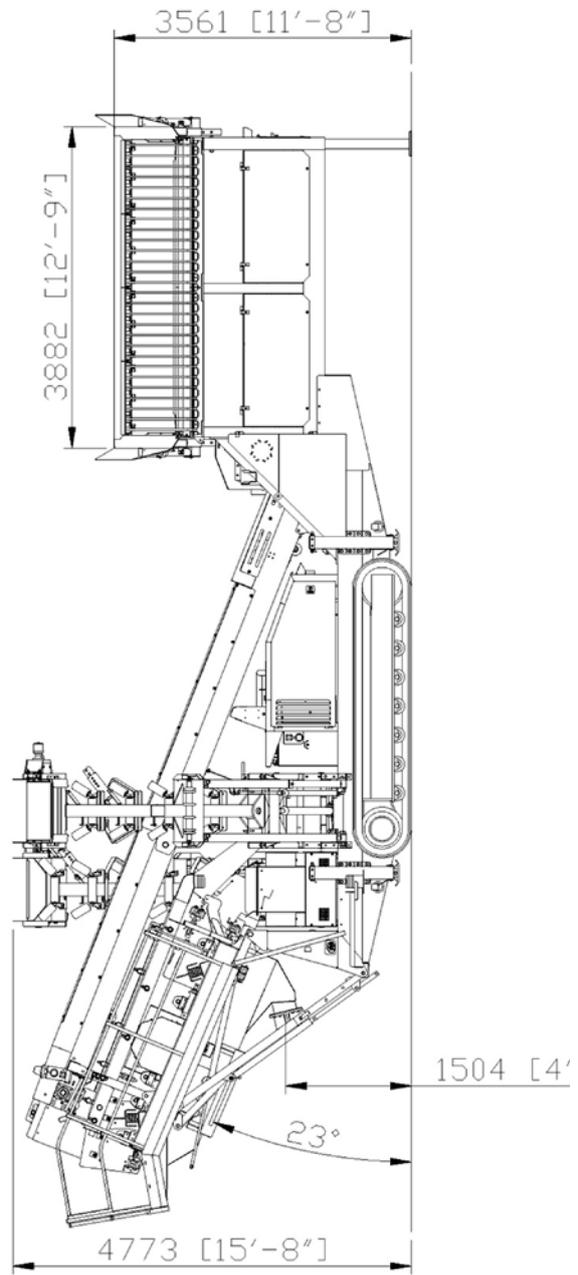
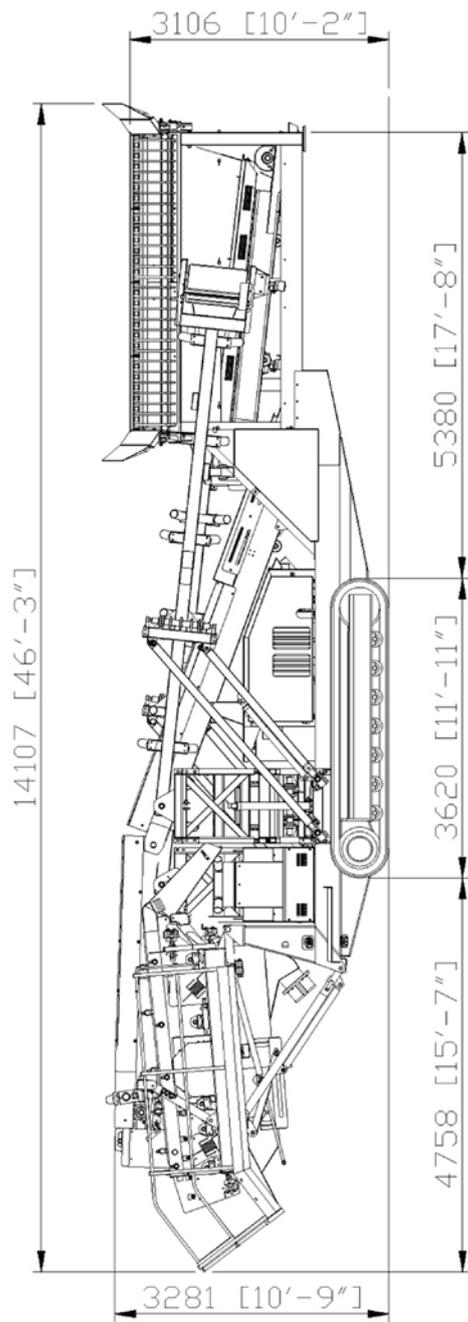
## M 1400 WHEELED WORKING



# M 1400 WHEELED TRANSPORT



# M 1400 WORKING AND TRANSPORT



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