

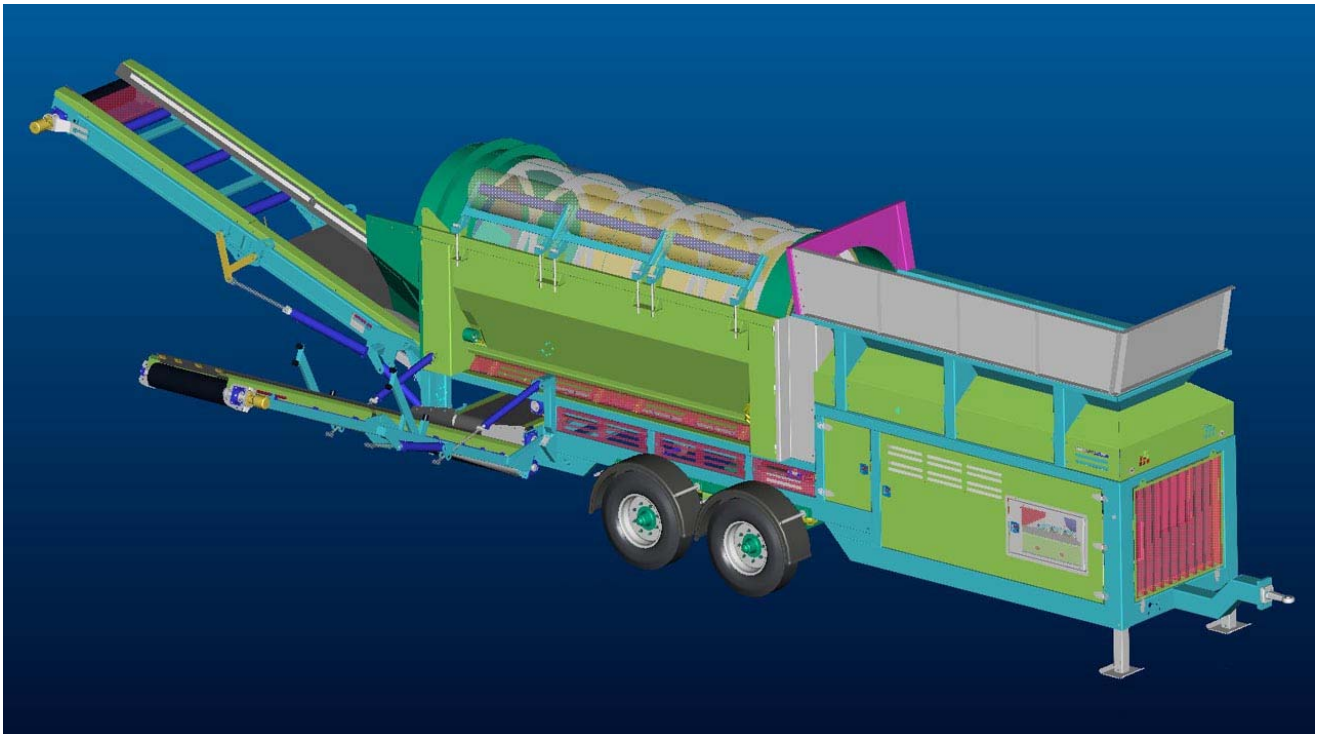


POWERSCREEN

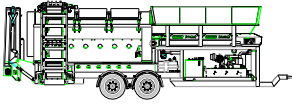
A Terex Company

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INTRODUCING THE ORION 1400



All specifications subject to change without prior notice.



Technical Specification



ORION 1400

Page 2

FEATURES

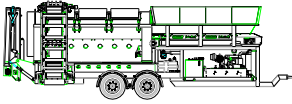
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|-----------------------------|------------------------------|
| • Total weight (Estimated) | 12,500 kg (Wheel) |
| • Width (transport) (Wheel) | 2.55 m (8'-4") |
| • Width (transport) (Track) | 2.7 m (8'-10") |
| • Length (Wheel) | 10.1 m (33'-1") |
| • Length (Track) | 8.7 m (28'-6") |
| • Height (Wheel) | 3.4 m (11'-1") |
| • Height (Track) | 3.2 m (10'-6") |
| • Hopper capacity | Xm ³ (X cu. Yds.) |
| • Screen Drum | 4.3m x 1.5m (14' x 5) |
| • Powerunit | Diesel Hydraulic. |

ADVANTAGES

- High capacity xxx? TPH, (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.
- Removable heavy duty pendant remote control system.
- Optional radio control system available.
- High performance hydraulic system – David Brown pumps, Danfoss motors, White motors, Oil cooler, Commercial Hydraulics control valves.
- Friction 4 wheel drive system on drum.
- Hydraulically folding Trommel door allows for quick removal of drum.
- Hydraulically adjustable machine working angle.

APPLICATIONS

- Topsoil
- Recycling
- Wood Chippings
- Compost



Technical Specification



ORION 1400

Page 3

Hopper:

Hopper length:	3.69m (12'-1")
Hopper capacity (approx):	4.32 m ³ (5.65 yrd ³)
Feed in height:	2.60m (8'-6")

Trommel Drum:

Drum Size:	4.267 x 1.545m (14' x 5')
Screening Area:	15.74 m ² (169.4 ft ²)
406mm diameter x 177mm wide rubber tyre drive wheels.	
Friction driven by 4 off White Hydraulics DT540 motors.	
Screen angle adjustable from flat to 4 degrees.	
Variable speed control adjustable to 24.5rpm maximum.	
Reversible drive operation to 'rock' barrel.	

Feed Conveyor:

900mm (36") wide 3-ply plain belt.
Direct drive system & hydraulic variable speed control.
Reversible operation to clear blockages
Hydraulic 'kick-out' to prevent barrel stalling.
Variable speed control.

Collection Conveyor:

1200mm (48") wide 2-ply plain belt.

Oversize Conveyor:

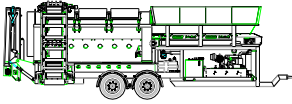
800mm (32") wide 2-ply chevron belt.
Hydraulic folding.
Angle adjustable.
Variable speed control.

Transfer Conveyor:

700mm (28") wide 2-ply plain belt.

Fines Conveyor:

800mm (32") wide 2-ply chevron belt.
Hydraulically folding.
Angle adjustable.
Variable speed control.



Technical Specification



ORION 1400

Page 4

Powerunit & Hydraulics:

Diesel engine:	Catapillar 3054C DINA developing 62kW (82HP) at 2200 rpm.
Flywheel pump:	David Brown R1A5046/5033/5033
PTO pump:	David Brown R1A5023/5023
Feeder Motors:	Danfoss OMSS200 (200cc/rev)
Collection Conveyor Motor:	Danfoss OMH500 (500cc/rev)
Transfer Conveyor Motor:	Danfoss OMH500 (500cc/rev)
Fines Conveyor Motor:	Danfoss OMH500 (500cc/rev)
Oversize Conveyor Motor:	Danfoss OMH500 (500cc/rev)
Drum Motor:	White Hydraulics DT540 (536cc/rev)

Tank Capacities:

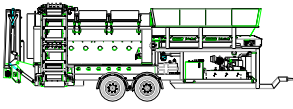
Hydraulic tank:	564 L (124 Gal)
Diesel tank:	173 L (38 Gal)

Crawler Track Data:

Tractive Effort	9,268 daN
Gradability Percentage	90 % (40deg)
Gearbox Ratio	1:134
Hydraulic Motor	Rexroth 32 cc/rev
Approximate Speed	1.25 Km/hr (0.78mph)

Road Transport:

Wheels:	285/70/R19.5
Axle:	Approved braking twin axle
Suspension:	Leaf spring
Brakes:	Air brakes, (ABS optional)
Mudguards:	Plastic type
Lights:	Optional.

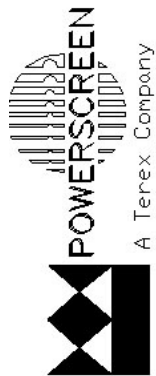
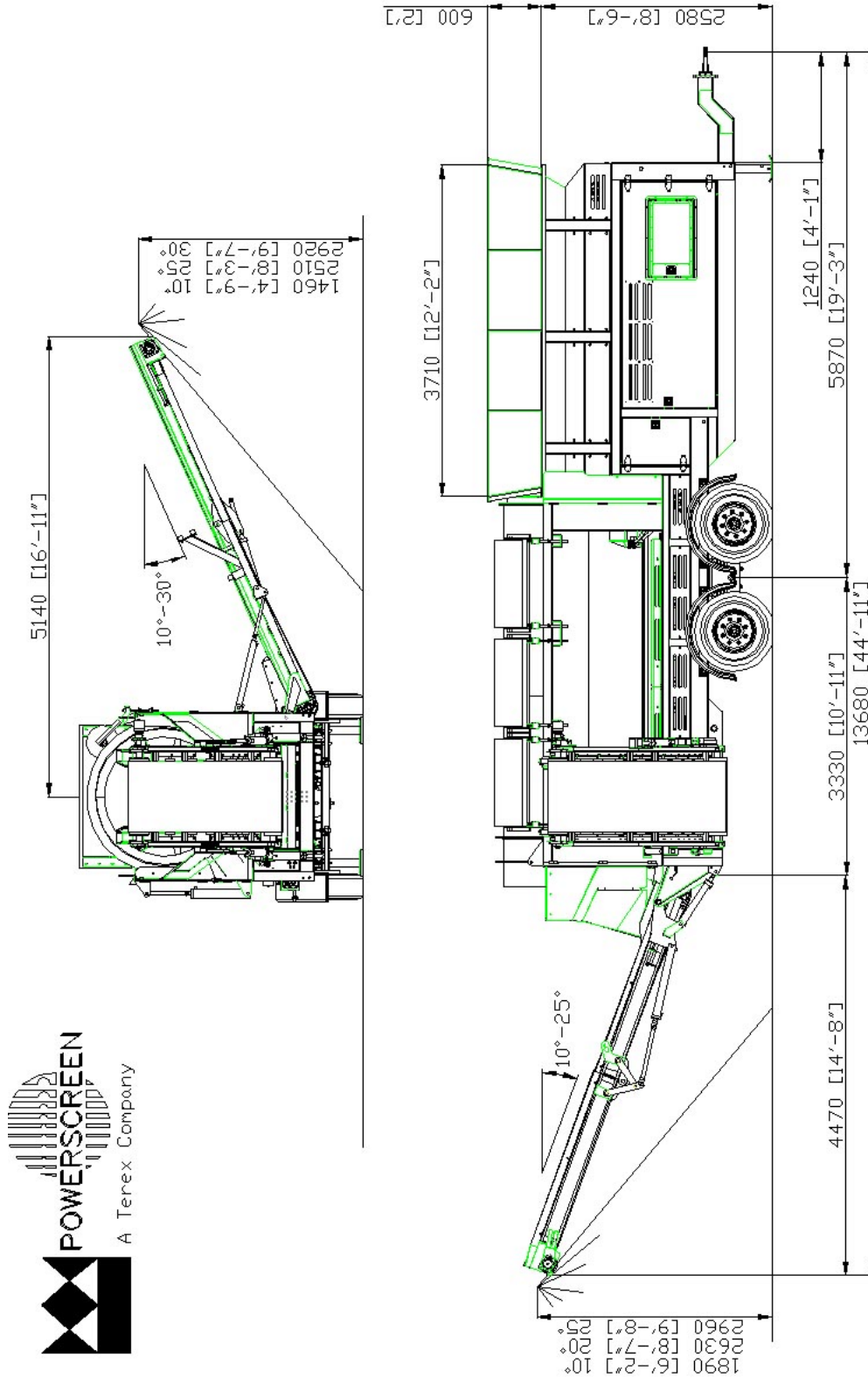


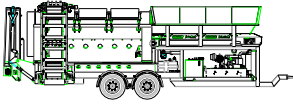
Technical Specification



ORION 1400

Orion 1400 Wheel Working Position



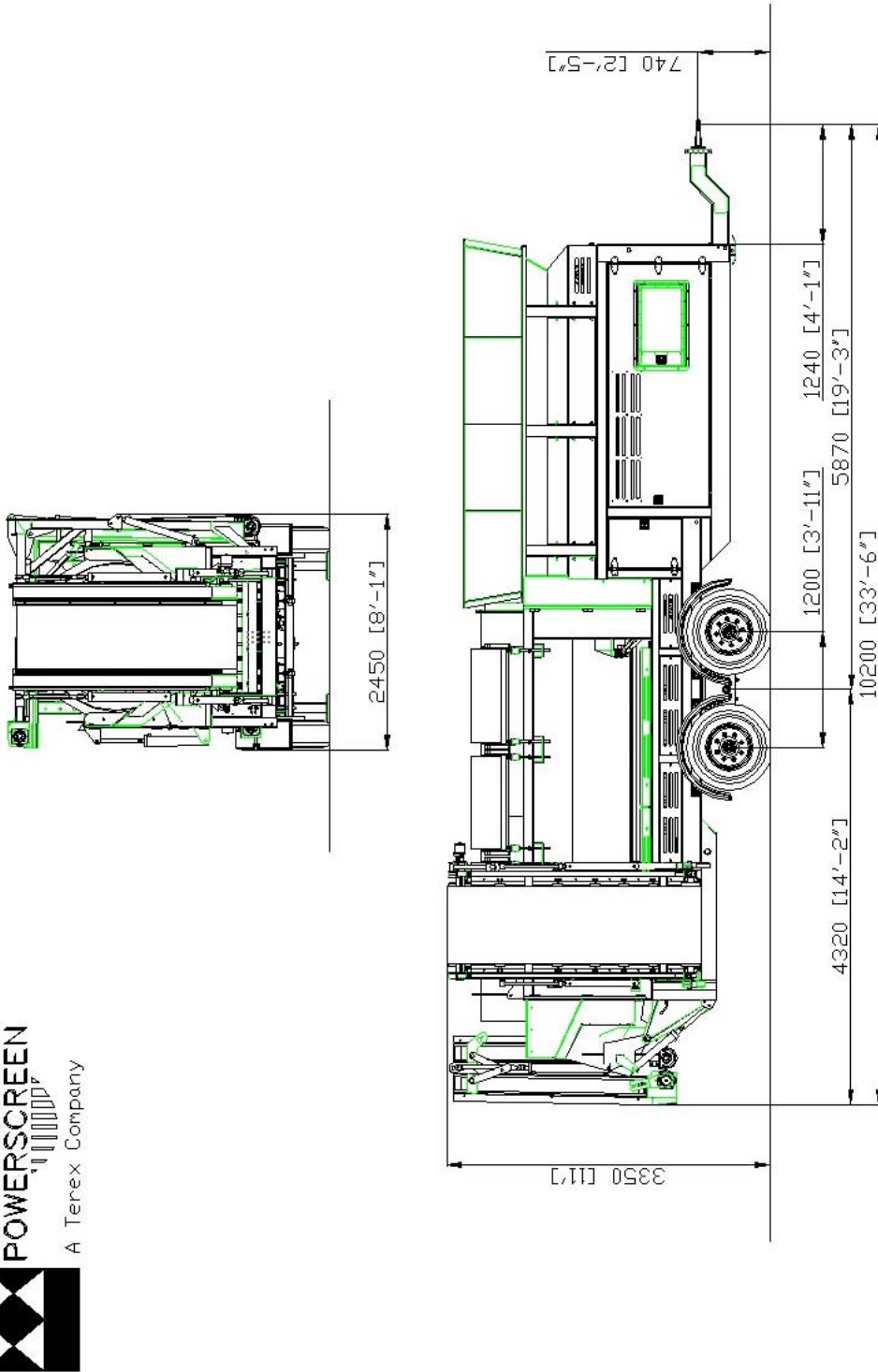


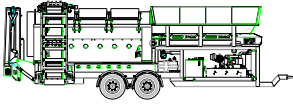
Technical Specification



ORION 1400

Orion 1400 Wheel Transport Position





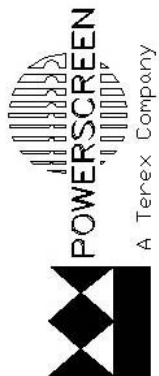
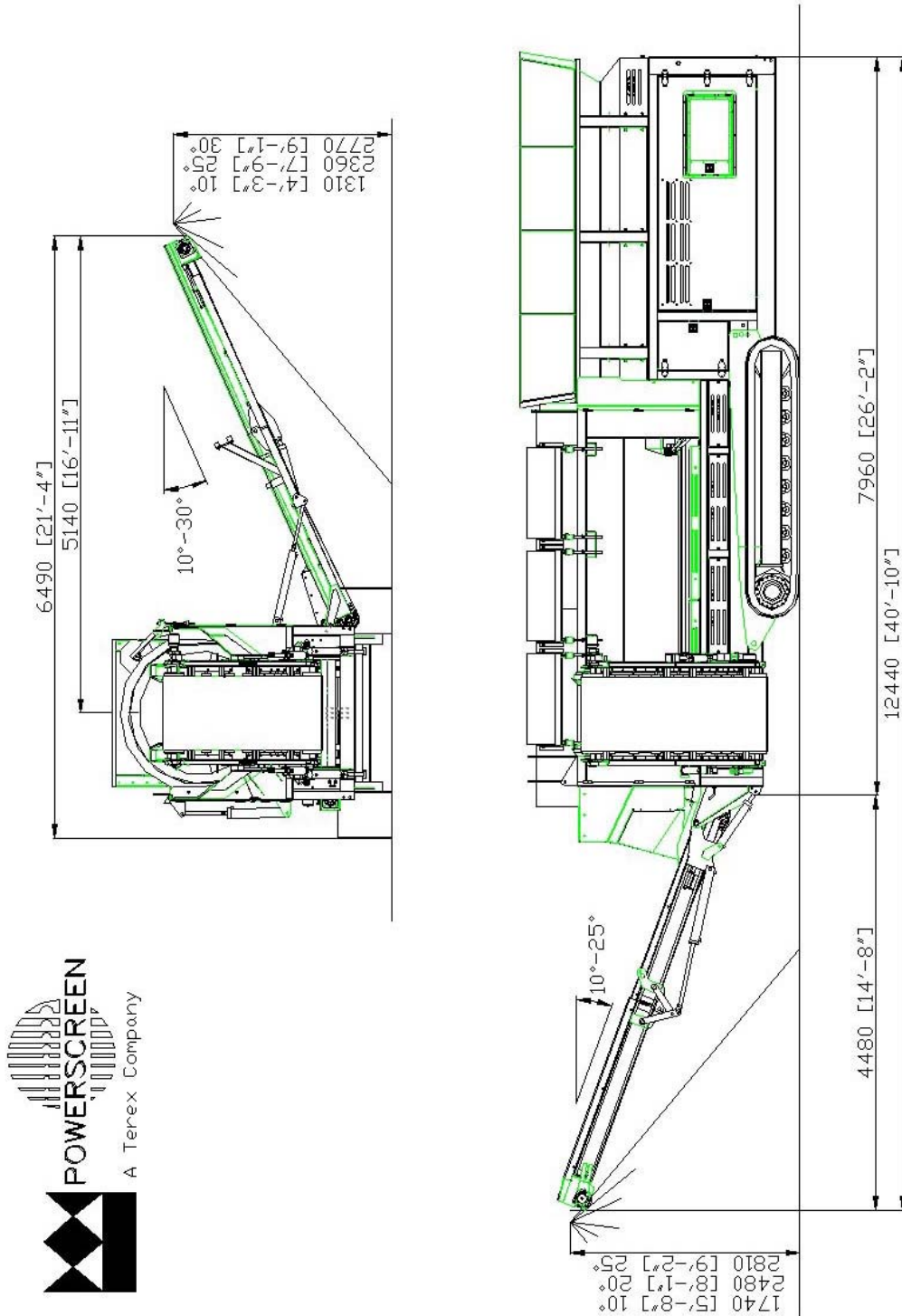
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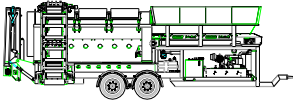
ORION 1400

Page 7

Orion 1400 Track Working Position



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Technical Specification



ORION 1400

Orion 1400 Track transport Position

