



TECHNICAL SPECIFICATION

MT620H



OVERVIEW

TECHNICAL SPECIFICATION



SPECIFICATION

3 DECK HORIZONTAL SCREEN

Total Weight: 46,700kg (102,955lbs)

Transport:

Length: 19.54m (64' 1")

Height: 3.6m (11'10")

Width: 3.24m (10'8")

Working:

Length: 18.7m (61'5")

Height: 4.8m (15'9")

Width: 16.27m (53'5")

Screenbox: 6.1m x 1.93m (20' x 6'4")

Power Unit: Tier 3: CAT C7.1 151 kW (202hp) @ 2200rpm

Tier 4F: CAT C7.1 151 kW (202hp) @ 2200rpm

Stage V: CAT C7.1 151 kW (202hp) @ 2200rpm

Plant Colour: RAL 7030, RAL 3020, RAL 7024, RAL 9005



MT620H

The MAGNA MT620H is a horizontal screen designed for handling large quantities of sticky materials and delivering precise, fine sizing, making it perfect for numerous construction and mining contracts. It excels in handling materials such as natural and crushed aggregates, coal, iron ore, and recycled concrete and asphalt.

FEATURES & BENEFITS

- High capacity up to 800 tph / 881 US tph (depending on media sizes & material type)
 - Maximum feed size 250mm (10")
 - Maximum allowable feed size may vary depending on material type and screenbox media
 - Heavy duty wear resistant feed hopper
 - Quick set-up time
 - Maximum mobility with heavy duty, low ground pressure crawler tracks
 - Optional radio control system available if required
- High performance hydraulics system
 - Galvanised maintenance platforms on both sides of screen
 - Hydraulically folding for transport
 - Heavy duty, triple shaft horizontal screenbox with adjustable stroke, angle & speed
 - Direct feed hopper with impact bars & rollers
 - Roll-in chute system
 - MAGNA telemetry as standard

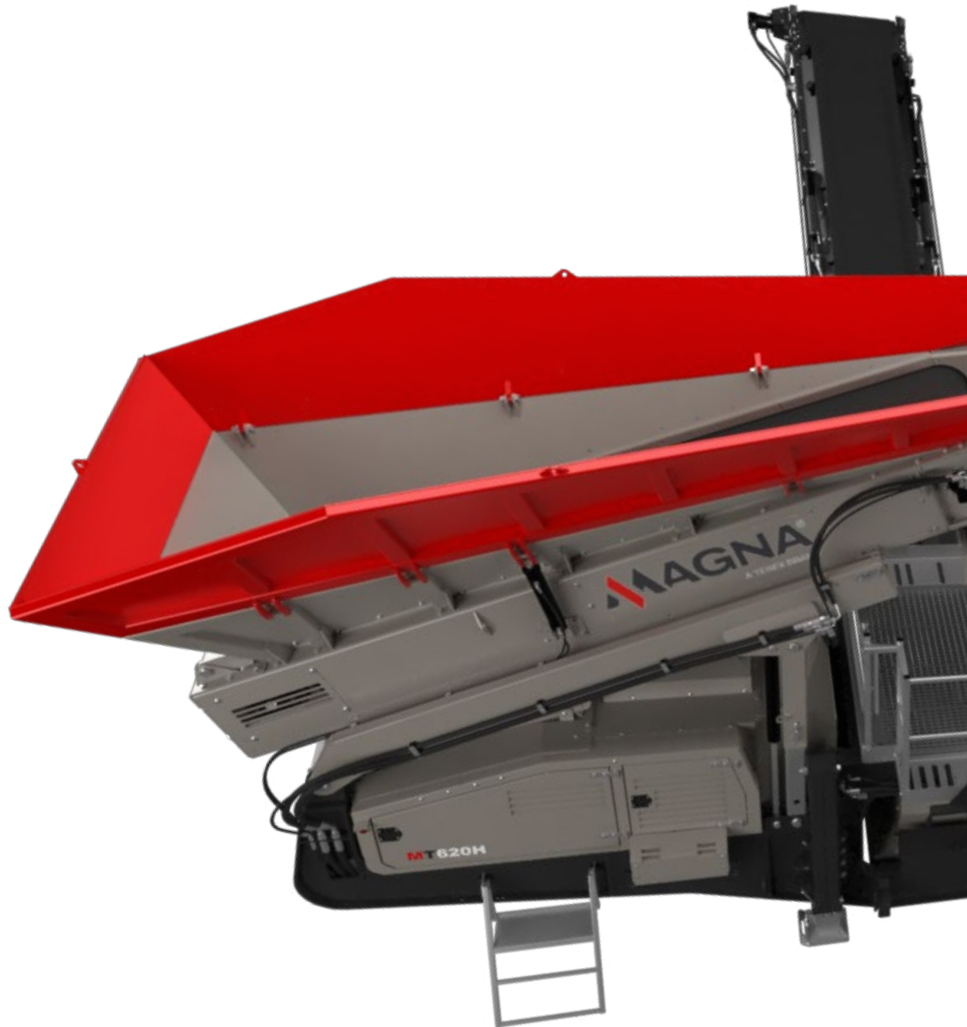
SCREENBOX

- 6.1m x 1.93m (20' x 6' 4") (All 3 decks)
- 3 deck triple shaft horizontal screenbox
- Oval stroke adjustable up to maximum of 19mm
- Oval stroke angle adjustable from 30° - 60°
- Breaker-box with wear resistant steel replaceable wearplate
- Hi-torque screen motor mounted direct to Screenbox, pulley driven
- Marshmallow springs
- Wear plates on pipeunits
- Side tensioned all decks
- Quick release wedge tensioning system (optional depending on screen media)
- Roll-in chute system



HOPPER

TECHNICAL SPECIFICATION

**Target area:**

5.23m (17' 2") long x 2.7m (8' 10") wide

Hopper capacity:

8.2m³ (10.72 cu. yd.)

Feed in height:

3.4m (11' 2") (rear door lowered)

Feed in width (Rear):

2.8m (9' 2")

- Hydraulic folding hopper sides
- Wear resistant steel on hopper sides



Drum centres:

4.36m (14' 4")

Drum diameter (drive):

375mm (14.8")

Drum diameter (tail):

320mm (12.6")

- 1300mm (52") 4 ply plain belt
- Direct drive system with twin gearboxes
- Variable speed control
- Impact bars and 'extra heavy' duty rollers fitted beneath belt

UNDERSCREEN

- 1500mm (60") 3 ply plain belt
- Direct drive system
- Variable speed control

Drum centres: 6.25m (20' 6")

Drum diameter (drive): 270mm (10.6")

Drum diameter (tail): 270mm (10.6")



FINESIZE - SIDE CONVEYOR

900mm (36") 3 ply plain belt

Angle adjustment: 14° - 25°

Stockpile height: 4.3m (14' 1")

Stockpile capacity: 119m³ (156 cu. yd.)

Drum centres: 9.5m (31' 2")

Drum diameter (drive): 286mm (11.3")

Drum diameter (tail): 203mm (8")

- Hydraulically folding
- Impact bars under feedboot
- Direct drive system
- Variable speed control

MID-FINESIZE & MID-OVERSIZ - SIDE CONVEYOR

Angle adjustment:	14° - 25°
Stockpile height:	4.4m (14' 5")
Stockpile capacity:	129m ³ (166 cu. yd.)
Drum centres:	8.92m (29' 3")
Drum diameter (drive):	286mm (11.3")
Drum diameter (tail):	203mm (8")

- Hydraulically folding
- Impact bars under feedboot
- Direct drive system
- Variable speed control
- 900mm (36") 3 ply plain belt

OVERSIZE - TAIL CONVEYOR

Angle adjustment:	10° - 25°
Stockpile height:	4m (13' 1")
Stockpile capacity:	95m ³ (124 cu. yd.)
Drum centres:	5.15m (16' 11")
Drum diameter (drive):	286mm (11.3")
Drum diameter (tail):	203mm (8")

- 1400mm (56") 4 ply plain belt
- Direct drive system
- Variable speed control
- Impact bars
- Conveyor slide out system to aid screen mesh changing

POWER UNIT & HYDRAULICS

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Engine Tier 3 Equivalent:	CAT C7.1
Performance:	151 kW (202hp) @ 2200rpm
Engine Tier 4F:	CAT C7.1
Performance: 1	51 kW (202hp) @ 2200rpm
Engine Stage V:	CAT C7.1
Performance:	151 kW (202hp) @ 2200rpm
Tank capacity	
Fuel:	597 L (158 US Gal)
Hydraulic Oil:	780 L (206 US Gal)

Pumps

Flywheel pump:	Cast iron quad 63/63/32/32cc/rev
PTO pump:	Cast iron tandem 29/29cc/rev

Motors

Belt feeder:	125cc/rev x 2
Under screen conveyor:	630cc/rev
Finessize conveyor:	500cc/rev
Upper midsize conveyor:	500cc/rev
Lower midsize conveyor:	500cc/rev
Oversize conveyor:	800cc/rev
Screen:	93cc/rev bent axis
Optional apron feeder:	400cc/rev

TRACKS

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Type:	Heavy-duty tracks	High speed:	1.1kph (0.68mph)
Sprocket centers:	3.83m (12' 6")	Low speed	0.55kph (0.35mph)
Track width:	500mm (1' 8")	Flow rate:	134 Lpm
Gradeability:	26° maximum		



OPTIONS

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ROLL IN CHUTES C/W BLENDING SYSTEM

- Double deck roll in chute system
- Roll aside to enable mesh access

INCLINE APRON FEEDER C/W 4.2M TRACKS

- 1300mm (4' 3") wide
- Wear resistant feed apron
- Direct drive system with single gearbox
- Variable speed control

Apron centres: 4.3m (14' 1")

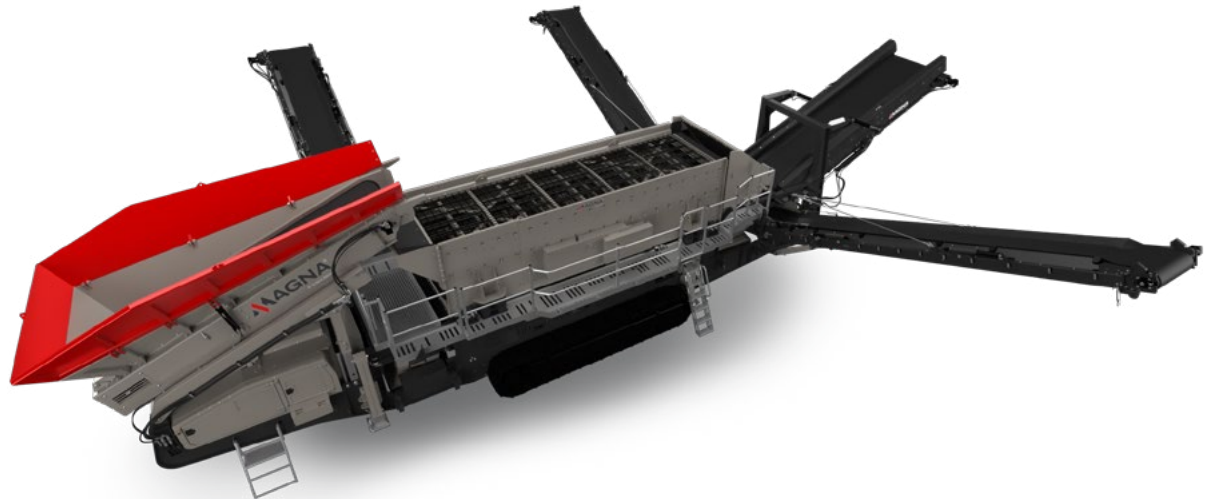
Tracks: 4.2m

DUAL POWER SYSTEM

- 4.2m (13' 9") track
- IE3 Electric motors 75kW (100hp)
- 55kW (73hp), diesel engine
- Integrated control system controlling either diesel-hydraulic or electric-hydraulic functions.

OTHER OPTIONS

- Auto lubrication system
- Radio controlled tracking
- Wear resistant or mild steel punch plate screens
- Quick release wedge screen tensioning system per deck
- Chevron belts available across all stockpiling conveyors
- Hydraulic oil grade 68
- Screenbox extensions



TELEMATICS

A number of MAGNA products can also be fitted with T-Link telemetry system which provides the customer with real time information on the performance of their machine.

Telematics maximises uptime, parts and service availability and provides factual up to date information from the field.



GPS MACHINE TRACKING



MACHINE DATA



FLEET OVERVIEW



DASHBOARD DISPLAY



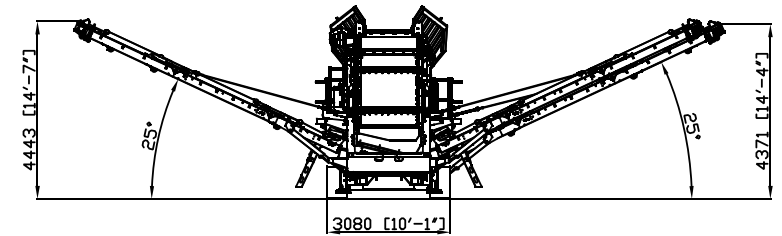
USEFUL REPORTING



ENHANCED USABILITY



WORKING

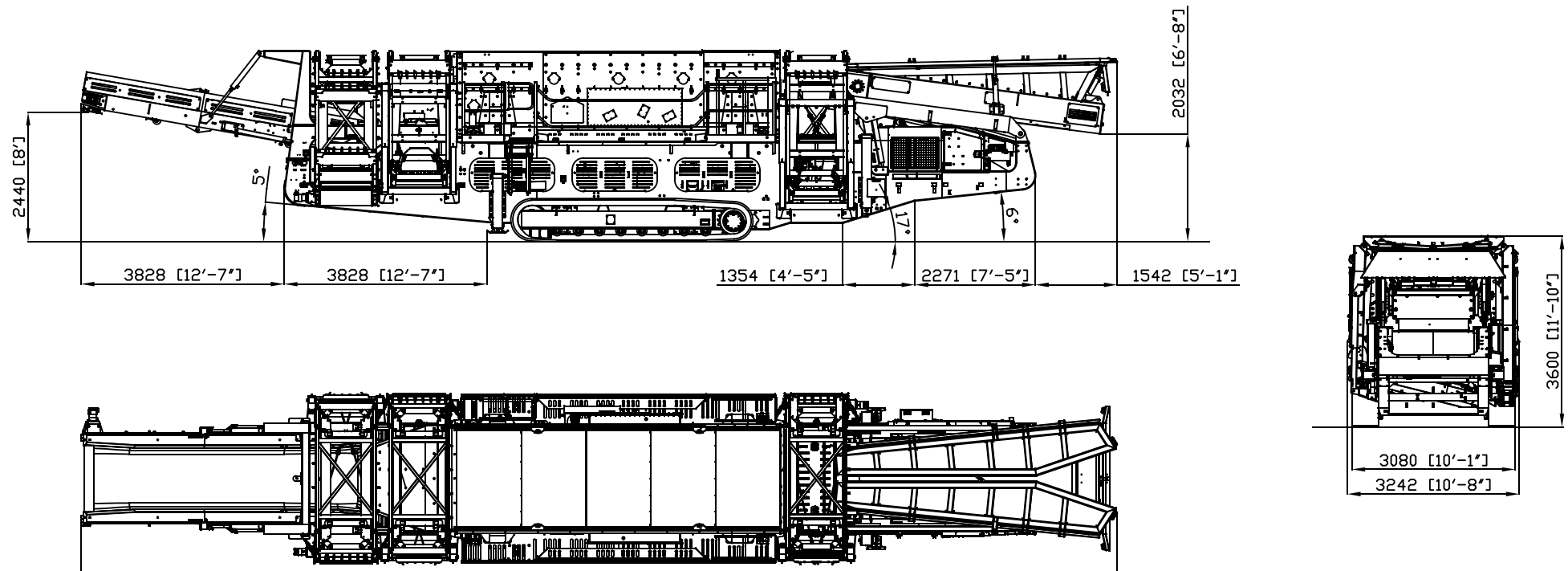


DIMENSIONS

TECHNICAL SPECIFICATION



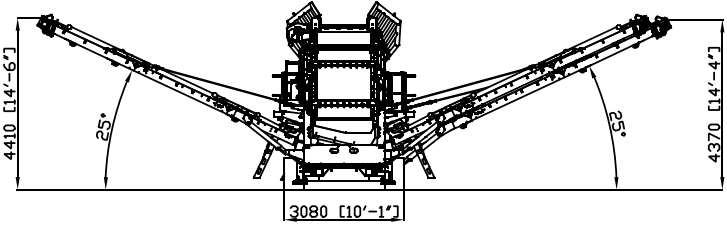
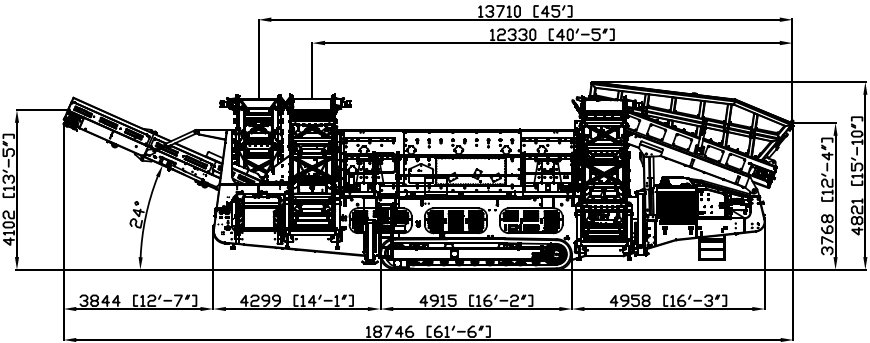
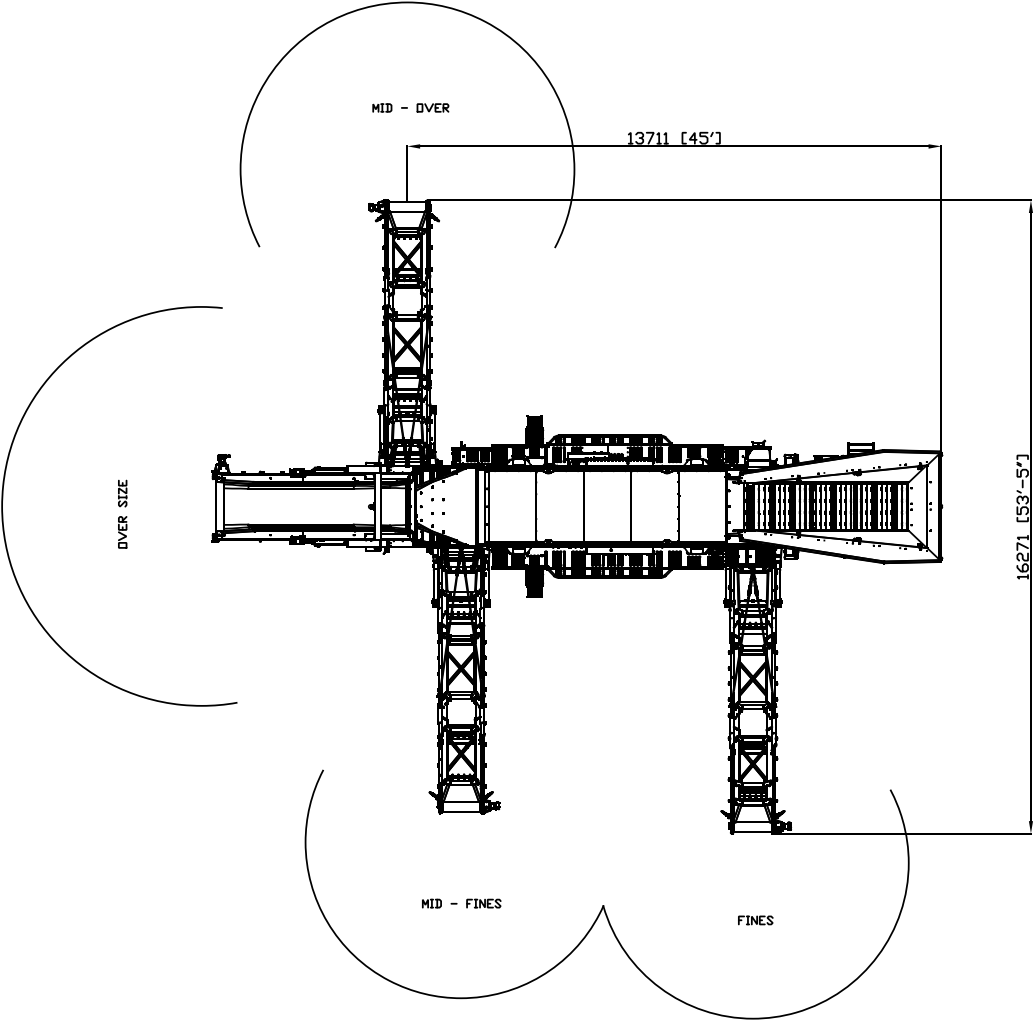
TRANSPORT



MT620H

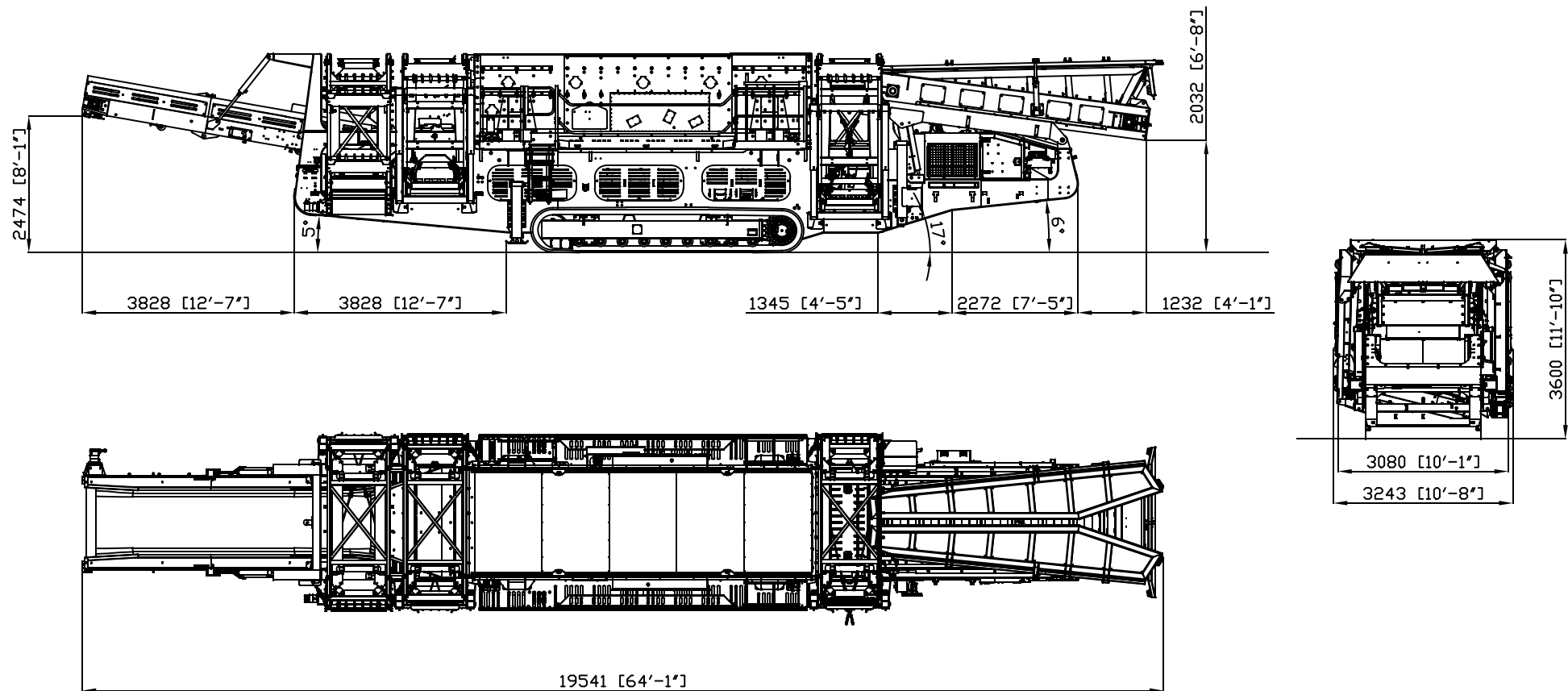
DIMENSIONS

WORKING



DIMENSIONS

TRANSPORT





Omagh, UK
Drumquin Road
Omagh
Co. Tyrone
BT78 5PN

Tel: +44 (0) 28 8241 8700
Email: magna@terex.com

terex.com/magna

