

## EDGE SLAYER - Technical Specification

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### GENERAL TECHNICAL DATA

#### OPERATION MODE

- Machine Width..... 2500mm (8ft 2ins)
- Machine Length. .... 10089mm (33ft)
- Maximum Discharge Height:..... 4579mm (15ft)
- Working Angle: ..... 35 Max

#### TRANSPORT MODE

- Transport Width..... 2500mm (8ft 2ins)
- Machine Length with Conveyor lowered..... 11117mm (36ft 4 ins)

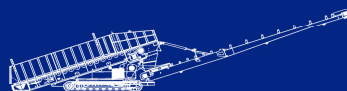
#### **Conveyor can be removed for transport**

- Transport Height.....3200mm (8ft 2ins)

#### WEIGHTS

- Hook lift Machine (H) .....17.2 ton (19.2 US tons)
- Track Machine (T).....20 ton (22.4 US tons)
- Static (S) (electric hydraulic) ..... Dependant on Customer Requirements
- Addition Magnet.....Add on 1.5 ton (1.68 US tons)

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### Shredder Unit

- Target area: 1.96m x 1.75m (6' 5" x 5' 9")
- With hopper: 3.3m x 1.9m (10' 9" x 6' 3")
- Shaft Diameter: 0.650m (2' 2")
- Maximum torque: 80,000Nm (59,000 lb/ft) / Shaft

### Wear Tools

The following are the wear tools:

- Shaft tool beams – all individually replaceable
- Shaft tool beams spacers – all individually replaceable
- Comb teeth – all individually replaceable & changed to suit different configs
- Clearer – fabricated onto each tool beam

The number of tools varies according to which shaft configuration you may have.

### Shaft Configurations

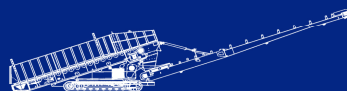
There are various shaft configurations currently available which enables the shredder to process a wide range of materials as previously mentioned. But every application is different for each customer. The tooling system is dependant on material, required tonnage & piece size

The following is a list of various shaft configurations currently available

- Shafts 5 7/8 Aggressive – Wood and green waste Medium Throughput
- Shafts 4 7/8 Standard – General waste High Throughput
- Shafts 4 4/5 Heavy Duty – Contaminated skip waste High Throughput
- Shafts 6 7/8 Hammer head – wood & green waste Small piece size
- Shafts 6 9/10 Hammer Head – Wood & green waste Small piece size

Other shafts and comb options & integrated breaker bars available on request

*N.B It is not a crusher or concrete shredder.*





**Discharge Conveyor**

The 1400mm (55") wide chevron belt conveyor with hydraulic motor collects material from under the shredding chamber. The conveyor can hydraulically vary the discharge height angle from 0 to 35 degrees. Head section can be hydraulically folded for transport.

- Belt Width..... 1400mm / 55ft
- Belt Length.....1610mm / 53ft
- Belt Type..... Chevron

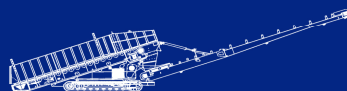


**Power unit and Hydraulics**

- Diesel Engine Cat C9 – 350 HP Diesel Engine 1700 – 2100RPM
- Flywheel Pump Danfoss adjustable closed loop axial piston pump 90R 250 (250 cc/rev)
- Auxiliary Pump (H) Danfoss adjustable axial piston pump
- Auxiliary Pump (T) Danfoss adjustable axial piston pump
- Shredder Motor Danfoss adjustable axial piston motor
- Shredder Max. Pressure 290 bar (4,200 psi) monitored with pressure transducers
- Conveyor Motor Danfoss OMS250 (250cc/rev)

**Static Power unit**

- Electric Motors: Shafts 2 off 110Kw -& 1 off 30Kw for auxs if required
- Pumps: 2 off Danfoss adjustable closed loop axial piston pump 90R 180 (1800cc/rev)
- Auxiliary Pump (H): Danfoss adjustable axial piston pump
- Shredder Motor: Danfoss adjustable axial piston motor
- Shredder Max. Pressure 290 bar (4,200 psi) monitored with pressure transducers. 350 Bar relief



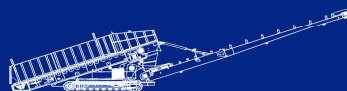


### Advantages

- Volume and size reduction
- Materials can be rehandled easier after processing
- Shredder shafts & combs can be easily replaced
- Ability to exchange shafts, tool beams, combs & breaker bars to suit material type
- Consistent and uniform material sizing
- Minimum wear and tear, with easy replaceable tools.
- Low noise levels
- Low fuel consumption with automatic power save mode
- Various shaft configurations to suit each individual application
- Low dust levels when shredding
- Both Hook & Track units and easy to move with track m/c fitted with 2 speed tracks.
- Small footprint with high performance
- Ability to handle almost any material & stop when contamination present
- Automatic and fixed reversal of shafts
- Low loading / high tipping hopper
- Full remote control which can be operated a safe distance from the machine
- Track, Hook & static units can be transported in high containers

### Applications

- Domestic and Household Waste
- Mixed construction waste
- Waste wood
- Pallets
- Railway sleepers and ties
- Logging and sawmill waste
- Green waste (Yard waste)
- Trees and Brush
- Industrial Waste
- Trade waste
- Plastics
- Carpets
- Tyres



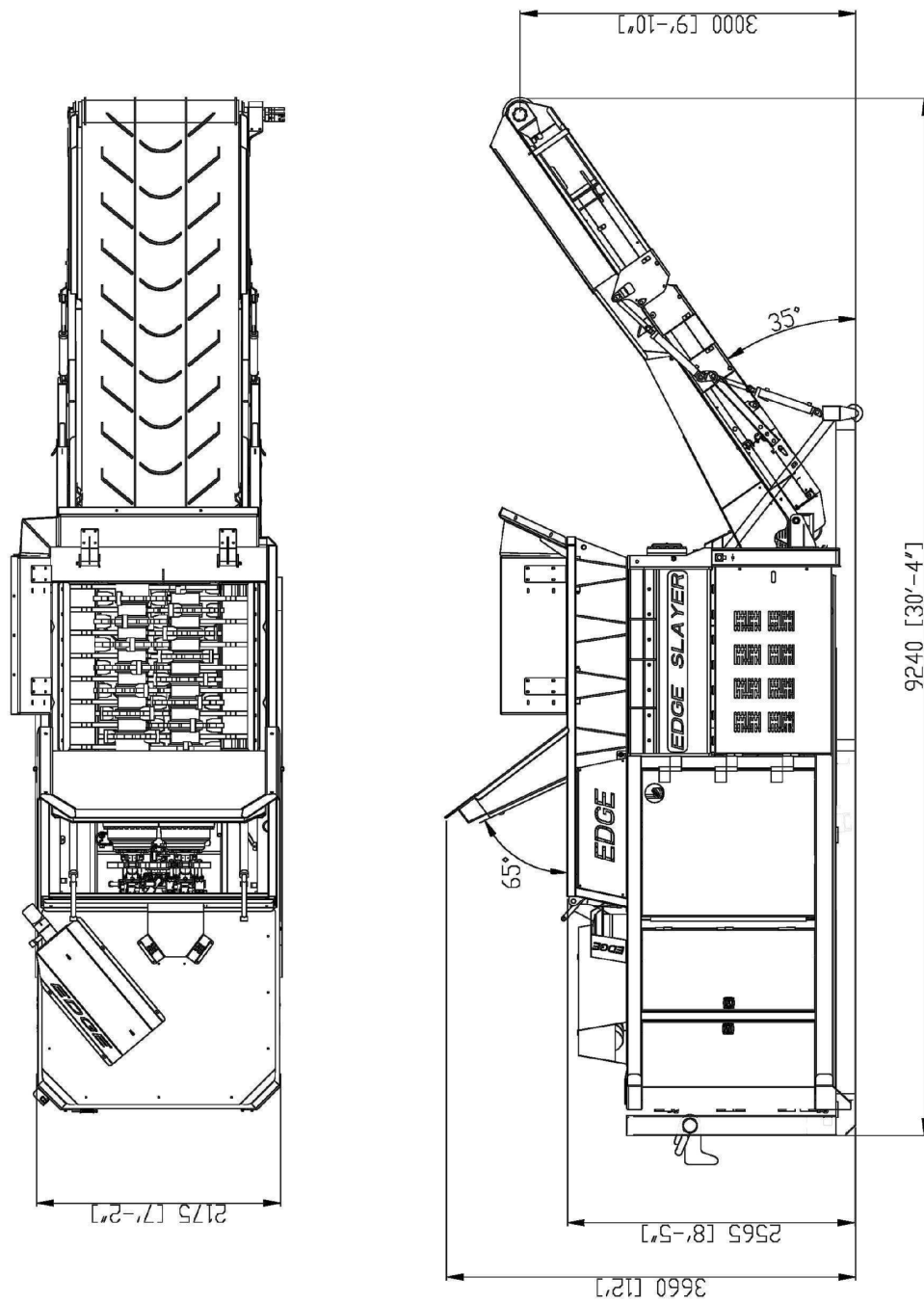


Fig. 1. Slayer Hook lift Technical Dimensions

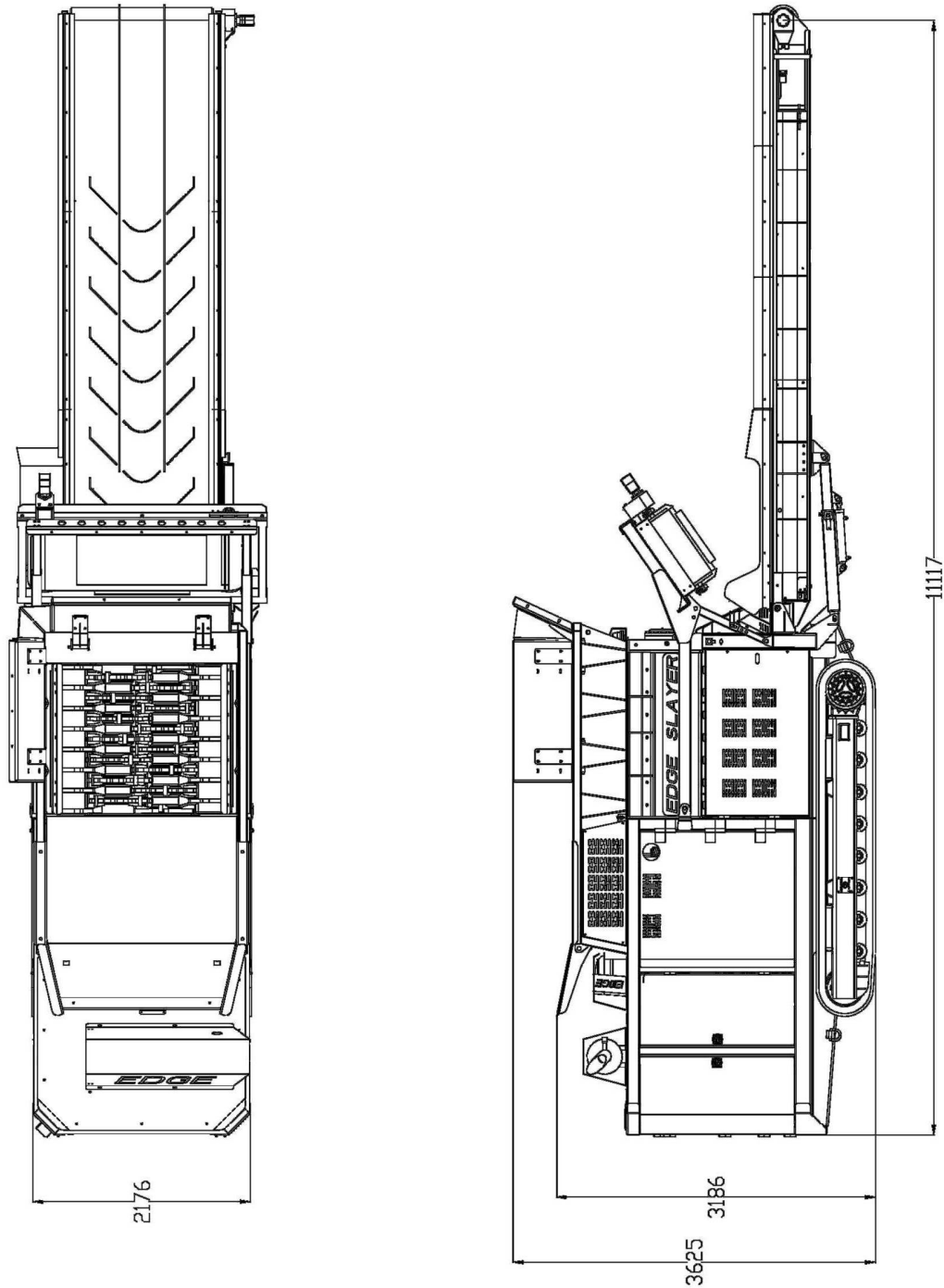
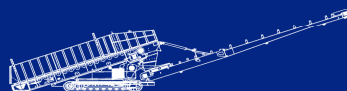


Fig. 2. Slayer Track Lowered Technical Dimensions



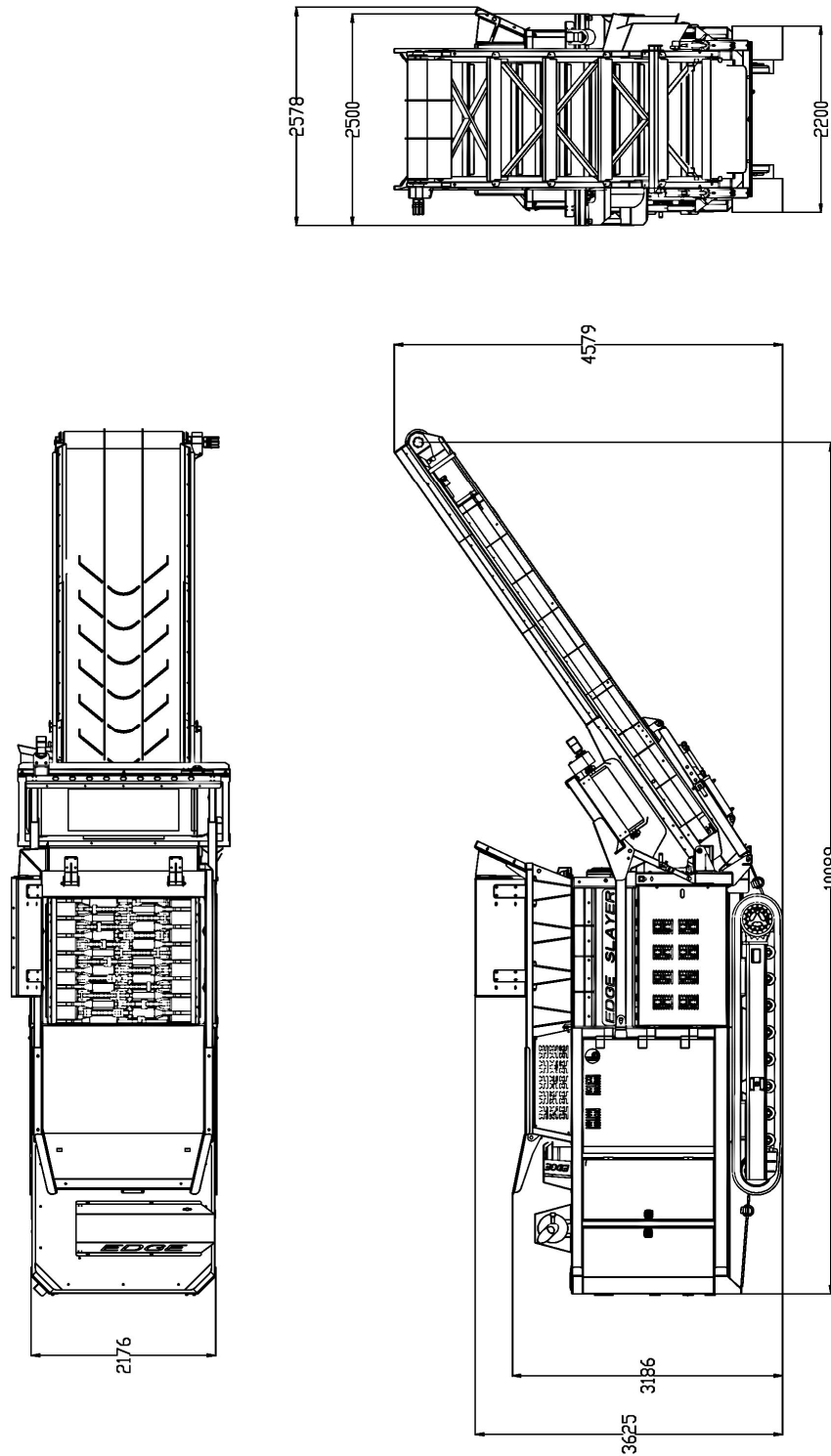


Fig. 3. Slayer Track Raised / Working Technical Dimensions