

# ECOHOG®

## SHD-1200HT-1

### Scraphog Scrap Metal Dirt Separation System

Ecohog's  
HMS scrap  
yard dream  
clean up

Ecohog's solution for the separation of dirt and nonferrous metals from Heavy Melting Steel Scrap Metal (HMS) - The heavy-duty vibratory feeder removes the dirt fines fraction before the oversize fraction is separated by the powerful scrap drum magnet.

The non-ferrous drop is discharged and any non-magnetic oversize materials are rejected through a remote control exit to eliminate blockages and downtime.



#### KEY FEATURES

Scrap Metal Separation direct from the scrap yard floor

Powerful Multi-Way Separation Capabilities

Wide range of suitable applications from oversize to fines

Durability and Strength to handle the toughest materials

Energy Efficient

Environmentally Friendly

Fully mobile for site flexibility

CAT Powered 3.63 Emission Compliant Engine

Fully Hydraulic

#### SUITABLE FOR

HMS clean up

Oversize Scrap Recovery

Shear press clean up

Scrap Metal clean up

Downstream Hammermill shred

Stainless Steel Recovery

Meatball & Electric Motor Recovery

Shredder materials

Incinerator ASH

WEEE electronic scrap waste

C&D

C&I

ASR

Tyre recycling

Slag

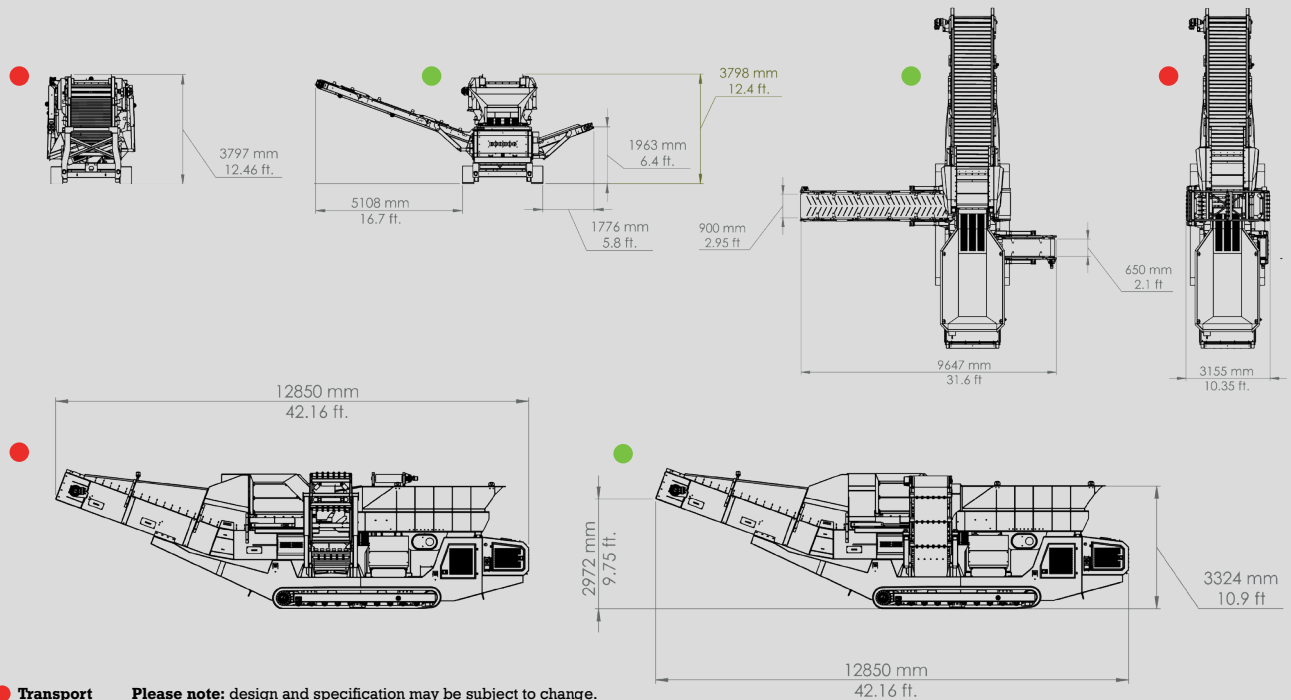
#### OPTIONAL EXTRAS

Overband Magnet

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# TECHNICAL DATA



## SPECIFICATION

### Tray Details

1200mm wide x 4100mm long  
Mild steel construction  
Stainless steel (non-magnetic) feed tip  
Grizzly section for fines removal

### Drives

80cc hydraulic motor

### SCRAP DRUM MAGNET

#### Magnet

Permanent ferrite pick-up magnet  
Permanent ferrite discharge magnet  
Axial pole assembly for clean ferrous recovery

#### Drum Dimensions

1200mm (48in) Diameter  
1200mm (48in) Working width

#### Configuration

Bottom fed  
Over the top discharge  
Hydraulically adjustable (forward/reverse)

#### Drive

160cc hydraulic motor  
Chain and sprocket drive

#### Finish

Painted end flanges

#### Suspension height

300-350mm (12-14in) maximum working gap recommended

#### Suspension height

Thick Stainless steel shell  
Thick Manganese steel wear wrap welded to shell  
Heavy duty wiper blades

### HYDRAULIC CONTROL SYSTEM

#### Features

Control valves  
Fitted with return and suction filters

### FRAMEWORK

#### Details

Fully mobile steel chassis support structure suitable for site movement via crawler track system

### CONVEYOR 1 - FINES DISCHARGE

#### Position

Fines fraction discharge  
Single fold up conveyor

#### Dimensions

4.3m (l) x 650mm (w)

#### Drive

250cc hydraulic motor

#### Belt Details

Chevron

### CONVEYOR 2 - NON FERROUS DROP DISCHARGE

#### Position

Non-ferrous fraction discharge  
Double fold over conveyor

#### Dimensions

7.3m (l) x 900mm (w)

#### Drive

250cc hydraulic motor

#### Belt Details

Chevron

#### Features

Remote controlled reject door to allow safe removal of non-magnetic oversize

### CONVEYOR 3 - FERROUS DISCHARGE

#### Position

Ferrous fraction discharge  
Pan feeder system

#### Dimensions

6m (l) x 1.5m (w)

#### Drive

160cc hydraulic motor

#### Features

Fitted with 1450mm wide pans

### CRAWLER TRACK SYSTEM

#### Features

Crawler Undercarriage Track Frames

### POWER SUPPLY

#### Engine

C3.6 CAT Industrial Power Unit – EPA Tier 4 Final / EU Stage V compliant

### UL Certification

All products supplied by Ecohog will be built to the highest specification and control panels will be UL Approved for the USA and Canadian markets.



**ECOHOG**