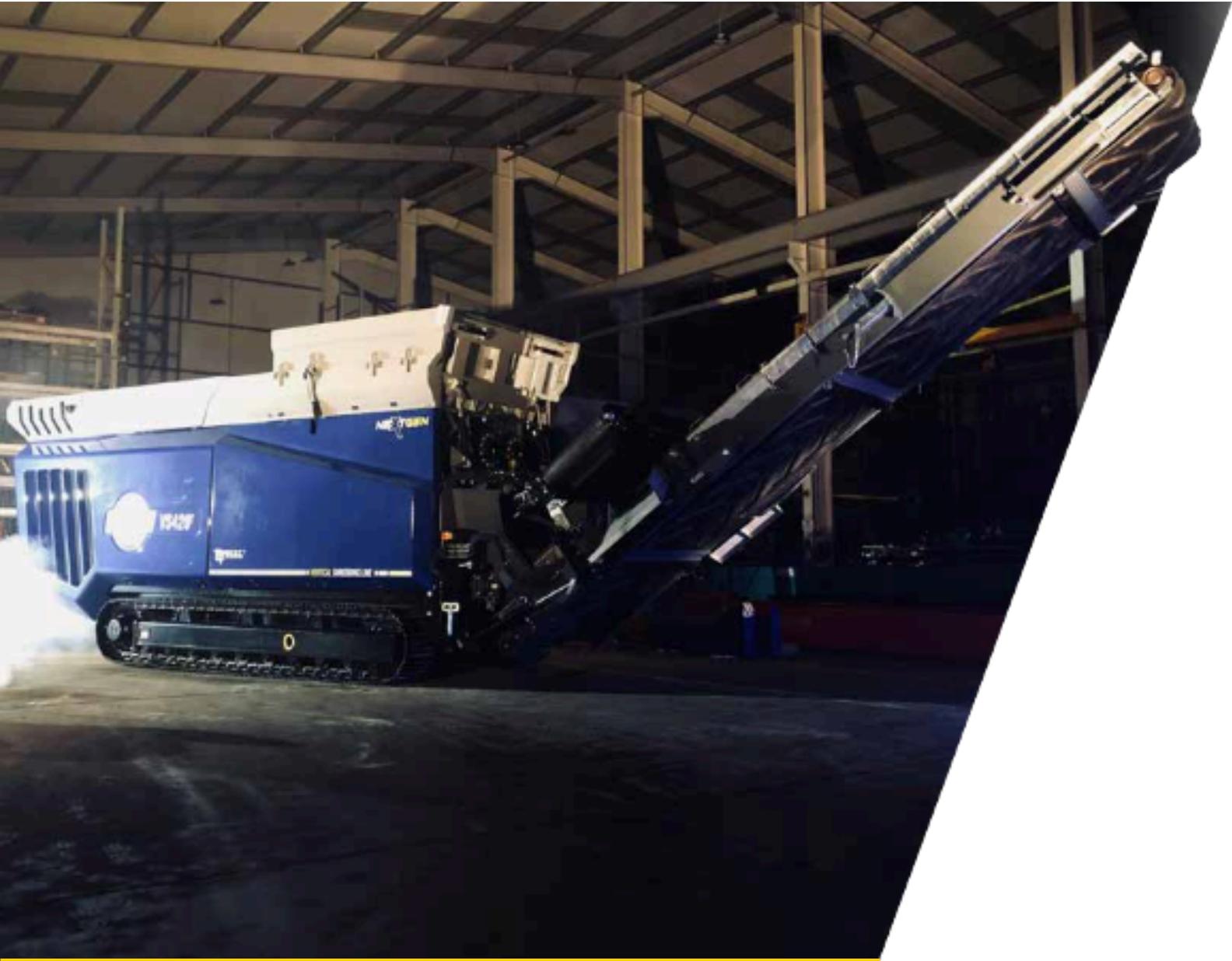


# PRODUCT BROCHURE VS420 SERIES



## SHREDDER EVOLUTION



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 [protrackbc.com](http://protrackbc.com)



TWIN SHAFT  
SHREDDER



INTELLIGENT LOAD  
MANAGEMENT



HIGH  
TORQUE



HIGH RESISTANCE TO  
NON-SHREDDABLES



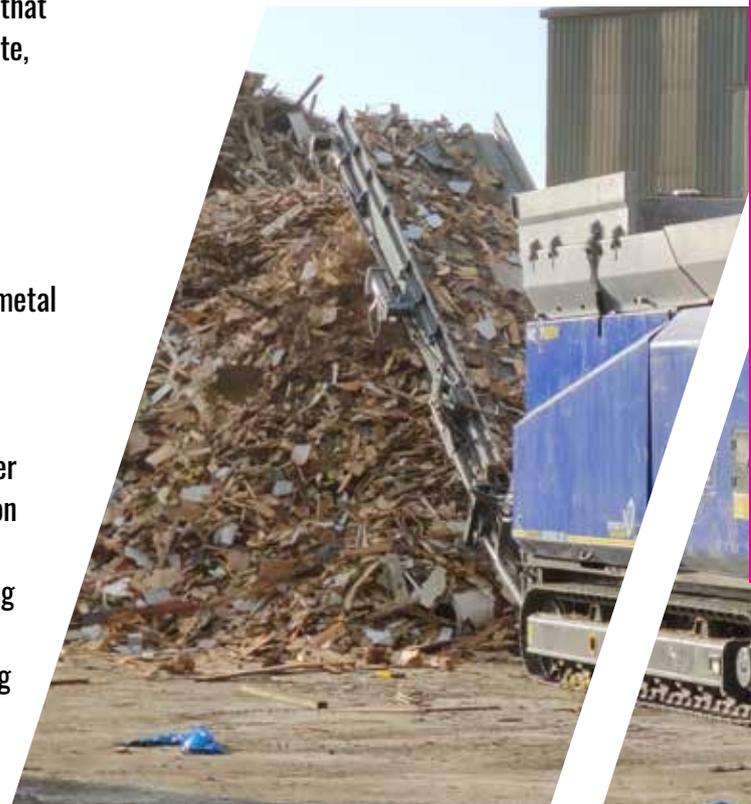
## VS420 SERIES FEATURES AND BENEFITS



The EDGE VS420 is a high-capacity, high-torque twin-shaft shredder that is ideal for processing a wide range of materials, including green waste, MSW, C&D waste, biomass, and end-of-life tyres.

EDGE's next-generation shredder has been developed for ultimate versatility and high resistance to contaminants, with several customisable shredding programmes and chamber configurations available. An intelligent operating system which incorporates tramp metal protection provides the ultimate protection from contaminants and prevents asset damage.

At the heart of the VS420 are twin synchronised, high torque shredder shafts, which can be customised to suit a customer's exact application and the desired product piece size. EDGE's twin shaft design provides exceptional material intake, ensures less wear, promotes self-cleaning and prevents material wrapping even in the toughest of applications. With a range of both rapid volume reduction and intricate piece sizing chambers available, the EDGE VS420 series can be customised to be deployed as either a primary or secondary shredder.





## KEY HIGHLIGHTS

- Highly robust design provides high durability and the ability to withstand difficult to shred materials.
- The Twin Shaft design provides exceptional intake behaviour, reduced wear, self-cleaning, and prevents material wrapping.
- Intelligent Self-Protecting control system with tramp metal cycles prevents asset damage.
- Eco-power saving functionality with a fuel consumption as little as 25/30ltr/hr (7-8 Gallons)

# VS420 SERIES DESIGN FEATURES

Twin synchronised shredder shafts incorporating EDGE's Intelligent Self-Protecting control system.

Hydraulic Hopper Extensions increases hopper capacity and loading flexibility

1400mm (55") wide Discharge Conveyor provides a maximum discharge height of 4.7m (15'6")



Enables one man operation with all main functions controlled via wireless remote

Hydraulic height adjustable overband magnet with remote functionality

## THE RIGHT CHAMBER FOR EVERY APPLICATION

Heavy duty, hydraulic tipping hopper with automatic tipping cycle

VS Status Link provides a quick & simple communication link between machine & operator



C9.3B ACERT 310Kw (420HP)  
Tier 4 Final / Stage 5 engine. LRC  
Engine option also available

User Friendly control interface provides easy fine tuning and program selection

Hydraulically driven, remote controlled tracks for easy on site mobility

## APPLICATIONS

MSW

GREEN WASTE

C&D WASTE

WOOD WASTE

RUBBER TIRES

WHITE GOODS

MATTRESSES



# VS420 SERIES

## TECHNICAL SPECIFICATIONS

### TRANSPORT DIMENSIONS

Length:	9706mm (31'10")
Width:	2550mm (8'4")
Height:	3145mm (10'4")
Container Shipping Method:	RoRo
Gross Weight (Est):	29200KG (32.1UST)

Shredder Type	Vertical Slow Speed
Drive Type:	Hydraulic
Number of Shafts:	2
Shaft Length:	2m / 2.5m (6'7" / 8'2")
Shaft Diameter:	655mm (25.5")

### HOPPER DATA

Hopper Capacity:	4.4m <sup>3</sup> (5.75yd <sup>3</sup> )
Hopper Capacity w/Extensions	6.4m <sup>3</sup> (8.3yds <sup>3</sup> )
Loading Height:	3145mm (10'4")
Loading Height w/ Extensions:	3583mm (11'9")
Tipping Mechanism:	Hydraulic

### COLLECTION CONVEYOR DATA

Conveyor Length:	
Belt Width:	2800mm (9'2")
Belt Speed	1400mm (55") Variable

### AVAILABLE OPTIONS

Tracked unit	Tier 3 LRC Engine	Dust Suppression	Fire Suppression
Wheeled Unit	Electric / Hydraulic (Static Only)	Discharge Conveyor Dust Cover	Telematics
Hook-lift Unit	Overband Magnet	Discharge Conveyor Head Chute	
Static Unit	Magnetic Head Drum & Chute	Various Screen Apertures & Shapes	
Fine Shredding Chamber	Reversible Fan	Rubber Track Pads	
Universal Shredder Chamber	Auto Lube System	Arctic Pack	
Bulky Waste Chamber	Hydraulic Hopper Extensions	Auxiliary Hydraulic Connections	

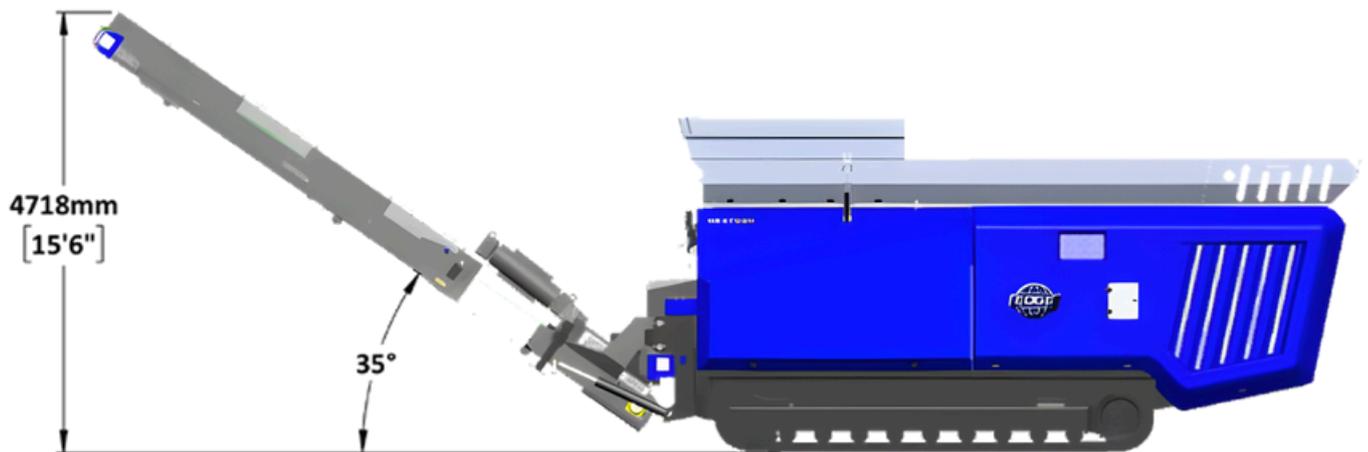
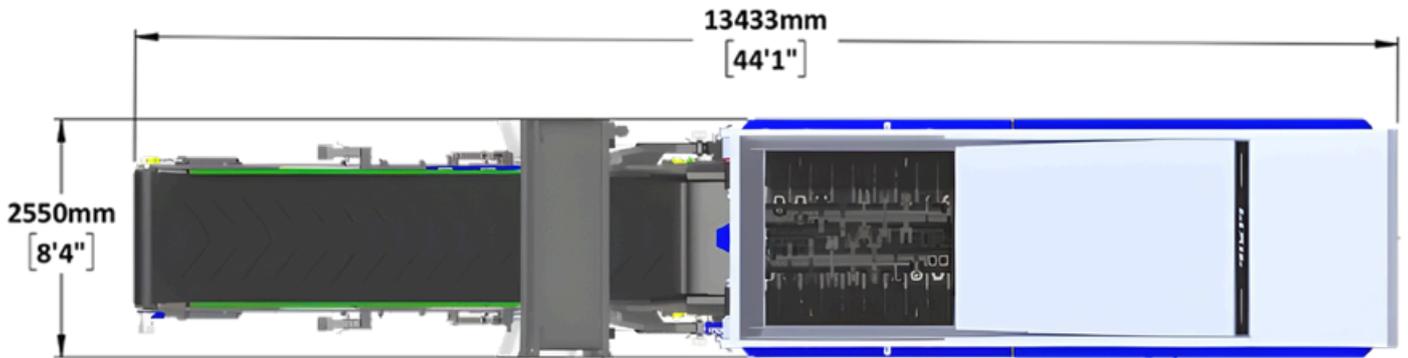
### DISCHARGE CONVEYOR DATA

Conveyor Length:	6900mm (22'7")
Belt Width:	1400mm (55")
Belt Speed	Variable

### POWERUNIT DATA

Power Source:	Tier 4 Final CAT C9.3B 310Kw (420HP)
Fuel Tank Capacity:	630 Litres (166USG)

# VS420 SERIES TECHNICAL DIMENSIONS



# AVAILABLE OPTIONS

## CHAMBER CONFIGURATIONS



Universal Primary Shredder Chamber - Rapid volume reduction solution



Organic Waste Chamber - Primary shredding solution for organic waste



Fine Shredding Chamber - ideal for the processing of abrasive materials

## CHASSIS FORMATS



Tracked Mounted - Fully tracked for on-site manoeuvrability



Wheel Mounted - Ideal for operators with Hooklift Mounted - making relocation from site to site as simple as possible



Hooklift Mounted - making relocation from site to site as simple as possible

## POWER-SOURCE CONFIGURATIONS



Tier 4 Final / Stage 5 - CATERPILLAR C9.3B 310Kw (420HP)



Tier 3 LRC - CATERPILLAR C9.3 310Kw (420HP)



Electric / Hydraulic - available with wheeled, hooklift & static mounted units

## ADDITIONAL OPTIONS



Overband Magnet - fitted to discharge conveyor to extract ferrous metal



Rubber Track Pads



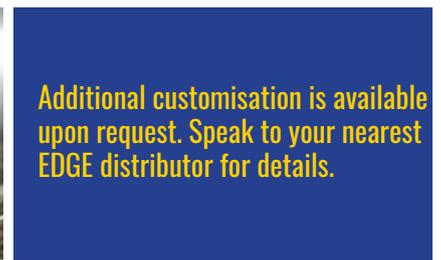
Central Auto-lube System



Dust Suppression System and Water Pump



Hydraulic Raise / Lower Hopper Extensions



Additional customisation is available upon request. Speak to your nearest EDGE distributor for details.



**GO ELECTRIC!**

Enjoy significantly reduced operating costs, reduced servicing and time taken to refuel. Perfect for markets where environmental, legislative or noise constraints are enforced.



**VS420<sup>E</sup>**



**ELECTRIC DRIVE WITH MOBILITY**

All the advantages of a diesel driven VS420 shredder in an electric hybrid format.



**POWER**

The VS420E is powered by twin 132Kw motors providing the same production capacity and torque levels of a diesel / hydraulic driven unit.



**PLUG & SHRED**

Features a quick plug and go set up functionality for safe and simple operation.



**REDUCED OPERATING COSTS**

Electric-powered equipment can significantly reduce operating costs.



**INCREASED UPTIME**

With reduced servicing and time required for refuelling, electric powered units provide unbeatable dependability and uptime.



**FLEXIBLE SET UP**

All set up functions available in both electric or diesel / hydraulic mode.



# GET IN TOUCH



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