

# EDGE VS420<sup>T</sup>

## Technical Specification



The EDGE VS420 is a high capacity, high torque twin shaft shredder that is ideal for the processing of a large array of materials including; green waste, MSW, C&D waste, biomass and end of life tyres. Our next generation shredder has been developed for ultimate versatility and high resistance to contaminants with a number of customisable shredding programmes and chamber configurations available. EDGE's intelligent operating system which incorporates tramp metal protection provides the ultimate protection from contaminants and prevents asset damage.

The VS420 offers operators a host of design features; such as a 310KW (420Hp) Caterpillar engine, twin shredder shafts engineered from solid steel, hydraulic hopper extensions and automatic tipping hopper, hydraulic height adjustable magnet and a "One Point" service area which makes daily maintenance checks possible from one central position.

Our twin shaft design provide exceptional material management, 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.
- Twin Shaft design provides exceptional intake management, less wear, self cleaning and prevents material wrapping.
- Intelligent Self-Protecting control system with tramp metal cycles prevents against asset damage.
- Eco-power saving functionality coupled with a fuel consumption as little as 25/30ltr/hr. (7-8 US Gallons)



## OPERATIONAL DIMENSIONS

Length:	13413mm (44')
Width:	2550mm (8'4")
Height:	4723mm (15'6")

## TRANSPORT DIMENSIONS

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

## SHREDDER UNIT DATA

Shredder Type	Vertical Slow Speed
Drive Type:	Hydraulic
Number of Shafts:	2
Shredder Target Area:	2.13m x 2.03mm (6'11" x 6'7")
Shaft Length:	2m / 2.5m (6'7" / 8'2")
Shaft Diameter:	655mm (25.5")
Shaft Speed (RPM)	Variable - Max. 40RPM
Maximum Torque:	240,000Nm (177,015 lbs/ft)

## 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

## DISCHARGE CONVEYOR DATA

Conveyor Length:	6900mm (22'7")
Belt Width:	1400mm (55")
Belt Speed	0-2.2m/s (7ft/sec)
Max. Discharge Height:	4723mm (15'6")
Max. Operating Angle:	35°
Overband Magnet:	Twin pole, 1400mm (55") long
Belt Type:	3 ply V Chevron

## COLLECTION CONVEYOR DATA

Conveyor Length:	2800mm (9'2")
Belt Width:	1400mm (55")
Belt Speed:	0-2.2m/s (7ft/sec)
Belt Type:	Heavy duty Toughflex

## POWERUNIT DATA

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

## CHASSIS DATA

Track Length C-C:	4000mm (13'1")
Track Shoe Width:	400mm (16")

## OPTIONS

Wheeled Unit	Discharge Conveyor Dust Cover
Static Unit	Discharge Conveyor Head Chute
Fine Shredding Chamber	Rubber Track Pads
Universal Shredder Chamber	Hopper Extensions
Tier 4F	Various Screen Apertures & Shapes
LRC Engine	Arctic Pack
Overband Magnet	Fire Suppression
Magnetic Head Drum & Chute	Telematics
Reversible Fan	
Auto Lube System	
Dust Suppression	