

**TANA**

# TANA SHARK 440ET

Drives on diesel, shreds on electricity

TANA FROM WASTE TO VALUE®

# Foreword



The green transition is a global megatrend. Within this shift societies and industries are becoming electrified and carbon neutral. This can also be seen more and more in how the companies that make the circular economy a reality themselves operate. The desire to operate cleanly requires equipment that run cleanly.

The TANA Shark 440ET is a new variant of the familiar and proven TANA 440 series of Shark waste shredders. The 440ET shreds on electricity, and moves on diesel.

Electrification makes it possible to reduce local emissions from waste processing to a minimum. This supports the goals of our customers working at the heart of the circular economy and makes the pre-processing of recycled materials even cleaner.

Eetu Tuovinen  
Product Manager, TANA Shredders



## Designed to perform

The 440ET represents the future of electric shredding and effortlessly handles even the toughest materials, such as tires and mattresses.

## Significantly lower noise emissions

440ET is significantly quieter than traditional diesel-powered models (114dB vs 120dB).

## Zero local emissions

Process various waste fractions into raw materials for the circular economy in an even more environmentally friendly way.

# Clean operations and mobility

## Power

The TANA Shark 440ET electric shredder is powered by two industrial electric motors. These reliable and powerful motors together with the TANA TCS seamlessly harness sustainable electrical power from the grid, into which the machine is easy to connect to using the quick connectors that come as standard. The 440ET combines electrical power and state-of-the-art electrically-controlled hydraulic performance to deliver the proven shredding performance Tana is known for.

## Lower operational costs

Electric power is not only great for the environment, but great for the wallet as well. A definite benefit of the 440ET is that compared to the diesel machines the planned maintenance interval is twice as long. This means improved uptime in addition to the lower OPEX making owning and operating the 440ET a very good investment.

## Full mobility

The 440ET is a fully mobile tracked shredder with the tracks being powered by an auxiliary diesel engine. The machine can be driven from one processing or maintenance point to another independently and efficiently, or conveniently onto a lowbed trailer for transportation. The auxiliary engine can also be used to prep the machine into working position with folding the conveyors.



## General informaton

Operating weight, kg*	31900
Total length in transportation, mm**	10260
Total length in operation, mm	15750
Total width, mm	2550
Total heigth in transportation, mm	3600
Rotor shaft type	single shaft
Conveyor belt speed (max. m/s)	3
Conveyor width	1000
Discharge & transfer conveyor length, mm	5430, 7010
Conveyor height on operation**	4730
Integrated scale	x
Remote control	x
Maximum velocity (max. km/h)	1,3

## Electrics and transmission

Motor & efficiency	VEM / Lönne, IE4 Doosan D34, 3,4 liter, 4 cylinder engine
AUX diesel engine	- Fulfills Tier 4 final, EU Stage V
Power raiting (SAE J1995) (kW)	2 x 160 kW*** / 2 x 175 kW****

Fuel tank (litres)	55
Electrical connection/ earthing	TN-C
Main fuze size	630 A
Rotor drive gears, pcs	2
Nominal rotor torque, kNm	440

## Infeed hopper

Loading height (mm)	3170
Volume m3	5

## Shredding tools

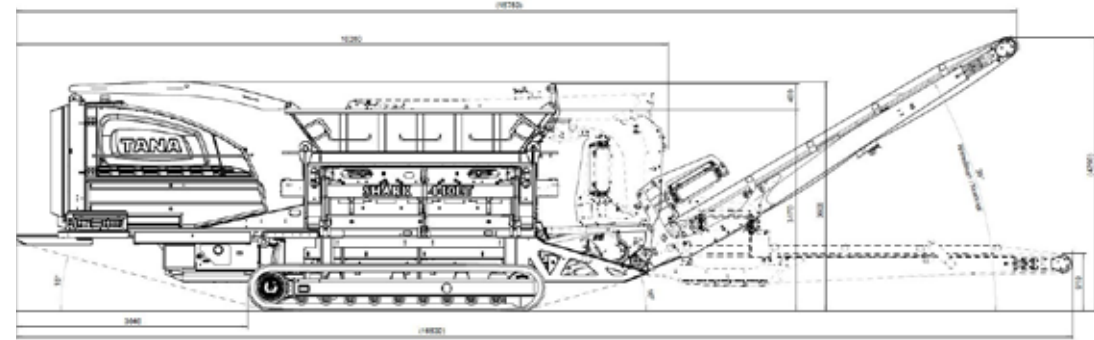
Rotor shredding length, mm	3000
Rotor speed max, rpm	26 (50Hz) and 28 (60Hz)
Rotor diameter, mm	920
Rotor knives, pcs	33 / 44 (option)
Counter knives, pcs	23
Rotor knife type	Bolt-on, reversible knife
Rotor knife size, mm	115x70

## Examples of optional equipments:

Overband magnet	Overband magnet (option)
Conveyor side covers	x
Rotor screen sizes (optional) (mm)	50, 76, 90, 100, 109, 120, 140, 167, 220, 275, special tyre shredding screen

\* Operating weight includes the basic machine, with full tank of fuel  
 \*\* When at 30 degree nominal working angle  
 \*\*\* 50Hz/400 V  
 \*\*\*\*60Hz/ 480 V (UL)

Technical specification D120111/ 24.10.2023  
 Weights and measurements are given within normal tolerances limits. The manufacturer reserves the right for any changes.



# We are here for you



## We know our responsibility and machines

Tana Oy is an environmental technology company that promotes sustainable development by providing smart equipment and solutions for solid waste management. It is a matter of honor for us that our customers share the feeling of confidence. We put serious effort into proactive maintenance because we want to keep our promise. We ensure that the Authorized Tana Distributors around the world have the best tools for taking excellent care of TANA customers.

**1970**

### The beginning

The first purpose build landfill compactor with two full-width iron drums was manufactured for an exhibition in Hannover.

**1995-2006**

### Brave decisions and actions

Waste management changed and new solutions were needed. The first slow speed shredder was introduced in 2006.

**2008**

### Intelligence

We wanted to be one step ahead with IoT and decided to equip our machines with intelligence. TANA ProTrack® was launched.

**2021-2024**

### From Waste to Value

By developing our brand, we want to inspire both our staff, partners and customers to do their best in an easier and more efficient way.

**TANA**

# CONTACT US

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