

A large yellow TANA Hammerhead excavator is shown in a waste-to-energy facility. The excavator's arm is raised, and its bucket is dumping a large amount of waste material into a large, dark, cylindrical container. The background shows a cloudy sky and a large pile of waste material. The excavator is positioned on a pile of waste, and its arm is extended upwards. The overall scene is industrial and focused on waste management.

**TANA**

# TANA HAMMERHEAD

TANA FROM WASTE TO VALUE®



# Foreword



At Tana, we believe that real innovation is built on understanding our customers' evolving needs. The TANA Hammerhead is designed specifically to deliver greater efficiency and throughput for high volume waste streams, such as wood waste, green waste, and municipal solid waste.

Built on the proven foundation of the TANA Shark series, the Hammerhead combines trusted reliability with a faster rotor and optimized performance for handling large volumes of lighter materials. It offers the perfect balance of efficiency, adaptability, and large volume materials, helping you maximize output while maintaining operational flexibility.

As the demand for recycling and material recovery grows, the TANA Hammerhead empowers your business to meet the challenge with confidence.



## Superior efficiency and throughput

TANA Hammerhead delivers more material processed in the same amount of time, thanks to its optimized rotor design and smart engineering, maximizing productivity and material flow on every job site.

## Versatility without compromise

Designed to handle both light and demanding materials, the Hammerhead offers a rare combination of efficiency, torque, and adaptability, all in one mobile unit.

## Proven technology, enhanced performance

Built on the trusted TANA shredder features, the Hammerhead is based on proven Tana technology, ensuring easy maintenance, reduced spare part needs, and a lower total cost of ownership.



# Built for high performance

## High rotor speed for maximum output

The TANA Hammerhead's 40 RPM rotor is built for maximum efficiency and throughput helping you process more material. Designed especially for large waste streams like wood, green waste, and municipal solid waste, it keeps your operations moving reliably and productively. The Hammerhead is available with either an electric drive or a diesel engine to meet your specific site requirements.

## Adaptability without limits

While optimized for high volume waste streams, the Hammerhead's high torque also enables it to handle challenging items like tires and mattresses when needed. With a balance of speed and torque, it delivers consistent performance across diverse applications. Available as a mobile or a stationary solution unit with wheels or tracks, it easily adapts to any worksite.

## Trusted engineering, optimized for lighter materials

The Hammerhead is built on the trusted performance of TANA Shark shredders, combining proven components with specialized upgrades for lighter waste processing. Shared parts ensure easy maintenance, excellent spare part availability, and a low total cost of ownership. Designed with the same durability and reliability that define the TANA brand, Hammerhead offers a sustainable and efficient solution for high-volume shredding operations.



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Technical drawing of the TANA 3500 excavator, showing side and top views with dimensions in millimeters (mm).

**Side View Dimensions:**

- Overall width: 15250
- Overall height: 4320
- Height to top of boom: 3735
- Height to top of dipper: 3800
- Height to bottom of dipper: 3110
- Height to bottom of boom: 3110
- Height to bottom of dipper (dipper only): 3110
- Height to bottom of boom (boom only): 3110

**Top View Dimensions:**

- Overall length: 15750
- Overall width: 15250
- Overall height: 4320
- Height to top of boom: 3735
- Height to top of dipper: 3800
- Height to bottom of dipper: 3110
- Height to bottom of boom: 3110
- Height to bottom of dipper (dipper only): 3110
- Height to bottom of boom (boom only): 3110

**Other Dimensions:**

- Height to top of boom (boom only): 3735
- Height to top of dipper (dipper only): 3800
- Height to bottom of dipper (dipper only): 3110
- Height to bottom of boom (boom only): 3110
- Height to bottom of dipper (dipper only): 3110
- Height to bottom of boom (boom only): 3110

Technical drawing of the TANIA 15480 truck, showing side and top views with dimensions. The side view shows a truck with a crane arm. Dimensions include overall length (15480), wheelbase (11950), and various heights and widths. The crane arm is shown in a raised position with a 45° angle. The top view shows the truck's footprint with dimensions like 1360, 2160, and 10000.

[illegible]

## Hammerhead E

## HAMMERHEAD DIESEL MODELS

| General information                         | DT (Tier 3, Stage V)   | D (Tier 3, Stage V)  |
|---|--|--|
| Operating weight, kg*                       | 30200 / 30400  | 27300 / 27500  |
| Total length in transportation, mm**        | 10260  | 10270  |
| Total length in operation, mm               | 15750  | 15680  |
| Total width, mm                             | 2550   | 2530   |
| Total height in transportation, mm          | 3600   | 3950   |
| Rotor shaft type                            | single shaft   | single shaft   |
| Conveyor belt speed (max. m/s)              | 3  | 3  |
| Conveyor width, mm                          | 1000   | 1000   |
| Discharge & transfer conveyor length, mm    | 5480, 7050   | 5480, 7050   |
| Conveyor height on operation, mm**          | 4290   | 4730   |
| Integrated scale                            | x  | x  |
| Remote control                              | x  | option   |
| Maximum velocity km /h( models with tracks) | 2,5  |  |
| Engine and power transmission               |  |  |
| Motor & efficiency                          | Cummins X15<br>- Fulfills Tier 3, EU Stage IIIA<br>- Fulfills Tier 4 final, EU Stage V | Cummins X15<br>- Fulfills Tier 3, EU Stage IIIA<br>- Fulfills Tier 4 final, EU Stage V |
| Power rating (SAE J1995)                    | 399 kW (535 bhp) @ 2100 rpm  | 399 kW (535 bhp) @ 2100 rpm  |
| Displacement (l), number of cylinders       | 15, 6  | 15, 6  |
| Fuel tank (l)                               | 720  | 755  |
| Urea tank (l) (Stage V only)                | 56   | 56   |
| Rotor drive gears, pcs                      | 2  | 2  |
| Nominal rotor torque, kNm                   | 310  | 310  |
| Infeed hopper                               |  |  |
| Loading height, mm                          | 3170   | 3400   |
| Volume, m <sup>3</sup>                      | 5  | 5  |
| Shredding tools                             |  |  |
| Rotor shredding length, mm                  | 3000   | 3000   |
| Rotor speed max, rpm                        | 40   | 40   |
| Rotor diameter, mm                          | 920  | 920  |
| Rotor knives, pcs                           | 33 / 44 (option)   | 33 / 44 (option)   |
| Counter knives, pcs                         | 23   | 23   |
| Rotor knife type                            | Bolt-on, reversible knife  | Bolt-on, reversible knife  |
| Rotor knife size, mm                        | 115 x 70   | 115 x 70   |
| Examples of optional equipment:             |  |  |
| Overband magnet                             | x  | x  |
| Conveyor side covers                        | x  | x  |
| Rotor screen sizes (mm)                     | 50-275   | 50-275   |

Technical specification D133847/14.3.2025

Weights and measurements are given within normal tolerances limits. The manufacturer reserves the right for any changes.

\* Operating weight includes the basic machine (fuel tank full)

\*\* When at 30° nominal working angle

## HAMMERHEAD ELECTRIC MODELS

| General information                      | ET                                  | EM                                  | E                                   |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Operating weight, kg *                   | 31900                               | 27400                               | 24500                               |
| Total length in transportation, mm**     | 10260                               | 10060                               | 6340                                |
| Total length in operation, mm            | 15750                               | 15480                               | 11900                               |
| Total width, mm                          | 2550                                | 2530                                | 2420                                |
| Total height in transportation, mm       | 3600                                | 3970                                | 3340                                |
| Rotor shaft type                         | single shaft                        | single shaft                        | single shaft                        |
| Conveyor belt speed (max. m/s)           | 3                                   | 3                                   | 3                                   |
| Conveyor width, mm                       | 1000                                | 1000                                | 1000                                |
| Discharge & transfer conveyor length, mm | 5480, 7050                          | 5480, 7050                          | ..***                               |
| Conveyor height on operation, mm**       | 4290                                | 4730                                | -                                   |
| Integrated scale                         | x                                   | x                                   | x                                   |
| Remote control                           | x                                   | option                              | option                              |
| Maximum velocity (models with tracks)    | 1,3                                 |                                     |                                     |
| Electric motor and power transmission    |                                     |                                     |                                     |
| Motor & efficiency                       | VEM, IE4<br>Doosan D34              | VEM, IE4                            | VEM, IE4                            |
| AUX diesel engine (ET only)              | - Fulfills Tier 4 final, EU Stage V |                                     |                                     |
| Power rating (SAE J1995)                 | 2 x 160 kW**** /<br>2 x 175 kW***** | 2 x 160 kW**** /<br>2 x 175 kW***** | 2 x 160 kW**** /<br>2 x 175 kW***** |
| Fuel tank (l) (ET only)                  | 55                                  | -                                   | -                                   |
| Electrical connection/earthing           | TN-C                                | TN-C                                | TN-C                                |
| Main fuse size                           | 630 A                               | 630 A                               | 630 A                               |
| Rotor drive gears, pcs                   | 2                                   | 2                                   | 2                                   |
| Nominal rotor torque, kNm                | 310                                 | 310                                 | 310                                 |
| Infeed hopper                            |                                     |                                     |                                     |
| Loading height, mm                       | 3170                                | 3400                                | 2860                                |
| Volume, m <sup>3</sup>                   | 5                                   | 5                                   | 5                                   |
| Shredding tools                          |                                     |                                     |                                     |
| Rotor shredding length, mm               | 3000                                | 3000                                | 3000                                |
| Rotor speed max, rpm                     | 37                                  | 37                                  | 37                                  |
| Rotor diameter, mm                       | 920                                 | 920                                 | 920                                 |
| Rotor knives, pcs                        | 33 / 44 (option)                    | 33 / 44 (option)                    | 33 / 44 (option)                    |
| Counter knives, pcs                      | 23                                  | 23                                  | 23                                  |
| Rotor knife type                         | Bolt-on, reversible knife           | Bolt-on, reversible knife           | Bolt-on, reversible knife           |
| Rotor knife size, mm                     | 115 x 70                            | 115 x 70                            | 115 x 70                            |
| Examples of optional equipment:          |                                     |                                     |                                     |
| Overband magnet                          | x                                   | x                                   | x***                                |
| Conveyor side covers                     | x                                   | x                                   | x                                   |
| Rotor screen sizes (mm)                  | 50-275                              | 50-275                              | 50-275                              |

\*\*\* Underband, overband or both conveyors sold as an option for the E model

\*\*\*\* 50Hz / 400 V \*\*\*\*\* 60 Hz / 480 V UL



# 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.

**2025**

### Evolving vision

To deliver maximum value to our customers by offering the best fit-for-purpose mobile waste equipment and local life cycle services.





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TANA FROM WASTE TO VALUE®