

# TANA LANDFILL COMPACTORS



**TANA H SERIES - THE MOST PRODUCTIVE  
COMPACTORS ON THE MARKET**

**TANA**  
From Waste to Value®

# 50 YEARS OF RESEARCH AND DEVELOPMENT

## WORLD'S FIRST LANDFILL COMPACTOR



1971



1984



1990



1997



2001



2007



2011

**E**



2014

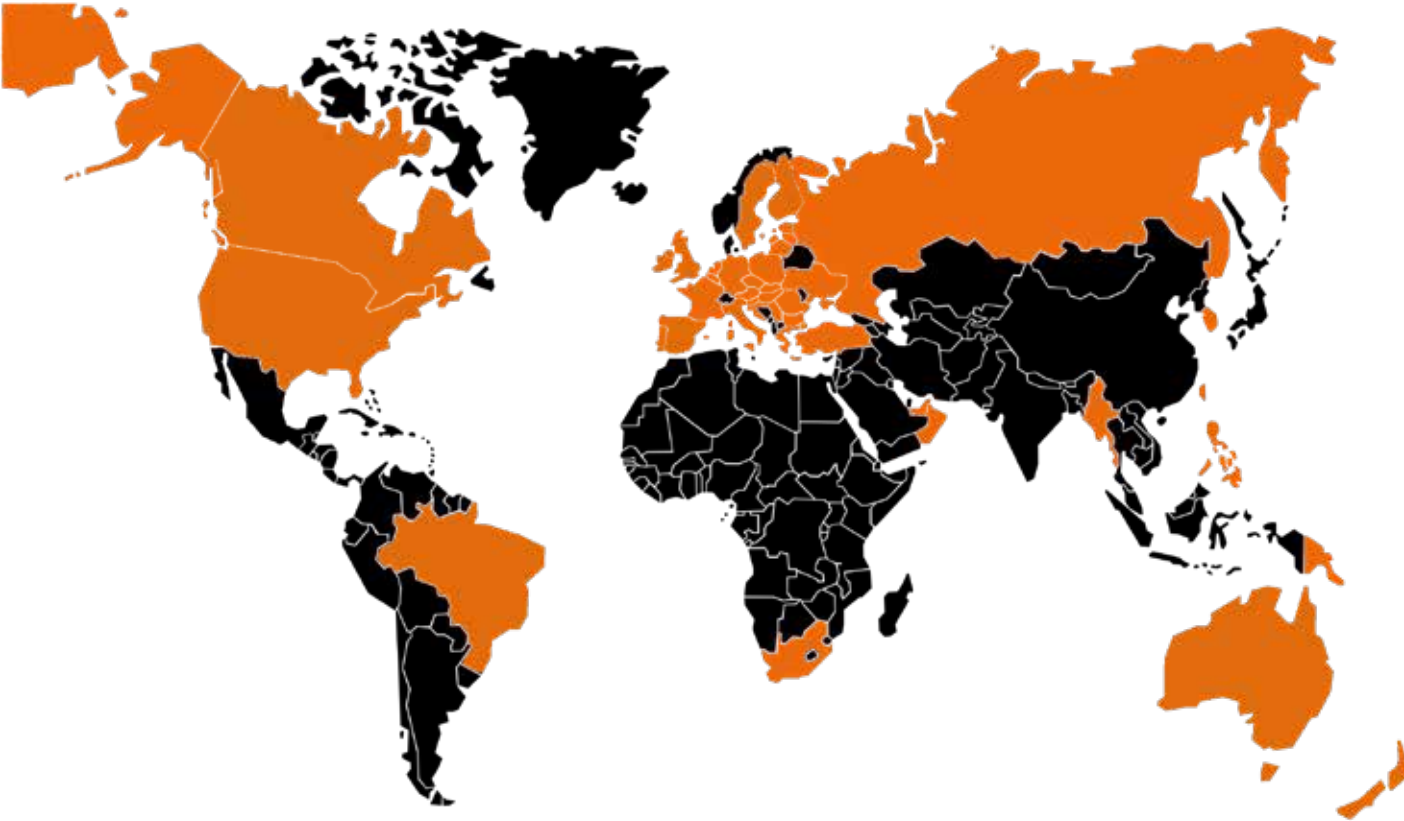
**ECO E**



2020

**H ECO H**

# TANA EVOLUTION



## WE KNOW OUR RESPONSIBILITY AND MACHINES

It is a matter of honor for us that our customers share the feeling of safety. We put serious effort into proactive maintenance because we want to keep our promise.

When developing sustainable machines, systems, and services, we take into account the entire life cycle of the machines, thus creating added value for our customers. We offer many solutions to boost productivity and optimize fuel economy, as well as to ensure a longer lifetime of existing machines through services

It's all about working together globally and locally. We provide sales and service to over 50 countries worldwide. Authorized Tana distributors are highly qualified in the field of heavy machines. They represent Tana locally on their territory throughout the lifespan of the machines with **technical support, after sales, and spare parts.**

Find you nearest Tana distributor at [tana.fi](http://tana.fi)

# BETTER COMPACTION

## THE MOST PRODUCTIVE COMPACTOR ON THE MARKET

**QUARANTEE: A MINIMUM OF 10% BETTER COMPACTION RATE  
COMPARED TO ANY OTHER BRAND.**

### SUPPORTED BY ACTUAL CUSTOMER RESULTS

This highest rate of compaction is achieved by TANA's unique design: the rigid frame utilizes the weight of the machine through the twin drums.

The advantage of the unique full width twin drum design of a TANA compactor reduces the number of passes required from 6 to 4. This creates savings both in time and fuel.

The end result is a smooth, firmly compacted area. The waste trucks can drive safely and quickly to the tipping area for unloading with minimized risk of vehicle breakdowns caused by unevenly compacted ground.

**TANA**  
From Waste to Value®



### VALUE THROUGH BETTER COMPACTION

By achieving a better compaction rate, you can extend the landfill's life expectancy by several years. Each additional year and month increases the value of the landfill.

### SMART AND EFFICIENT

**TANA landfill compactors offer the most advanced smart tools to increase efficiency even further.**

TANA ProTrack® has built-in intelligence inside every TANA landfill compactor. It collects all essential information for optimizing operations with transparent online data.

Data collected from the machines help to simplify efficient working, increase motivation and productivity of the workers.

# HOW WE GUARANTEE IT

## BENEFITS OF TANA COMPACTORS

Improves profits through increased revenues and / or reduced expenses

- Greatly extends the life of the landfill
- Improves all vehicle cycle time in and around tipping area
- Reduces amount of leachate created
- Reduces landslides and cave-ins
- 40-60% less cover soil required because of even surface
- Greatly reduces risk of fire
- Reduced chassis damage to all vehicles on site - smooth compacted surface

## ROLLER COMPACTION (TRC) METHOD

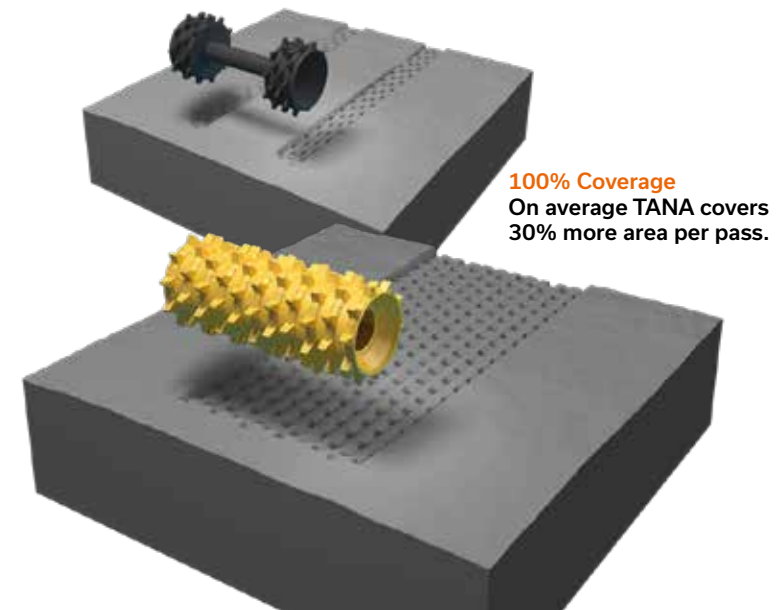
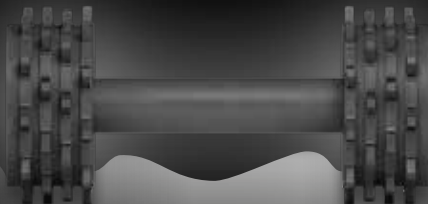
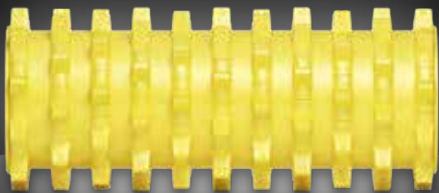
- Two full-width passes creating uniform compaction
- Maximum capacity tons per hour
- Excellent traction with no loss of compaction force
- Smooth, level surface
- High spots get maximum force applied while blade does not dig in
- No cabin swing or weight shift
- 160 to 220 cleats per compactor maximizing crushing force
- Even load spreading providing maximum compaction
- 28 to 40 scraper bars keep drums clean and 8 wire cutters eliminate wrapping

## TWIN DRUMS PROVIDE FULL WIDTH

Compaction and even surface

- Reduces waste blow-out created by wheeled compactors
- Compaction achieved quicker because operator does not have to go over and over and over the mounds often creating more problems in the process
- Maximum compaction is achieved in less time
- 15-25% more waste compacted per sq. yard with the twin drum technology
- 30-40% less time to compact area results in savings of fuel, labor and service

The weight of a TANA landfill compactor is optimally distributed into the waste through the rigid frame construction, the two full-width drums and the crushing teeth. A traditional four-wheeler extrudes large amounts of waste from the middle and the sides, which means more passes for the same compaction level, and thus lower efficiency.

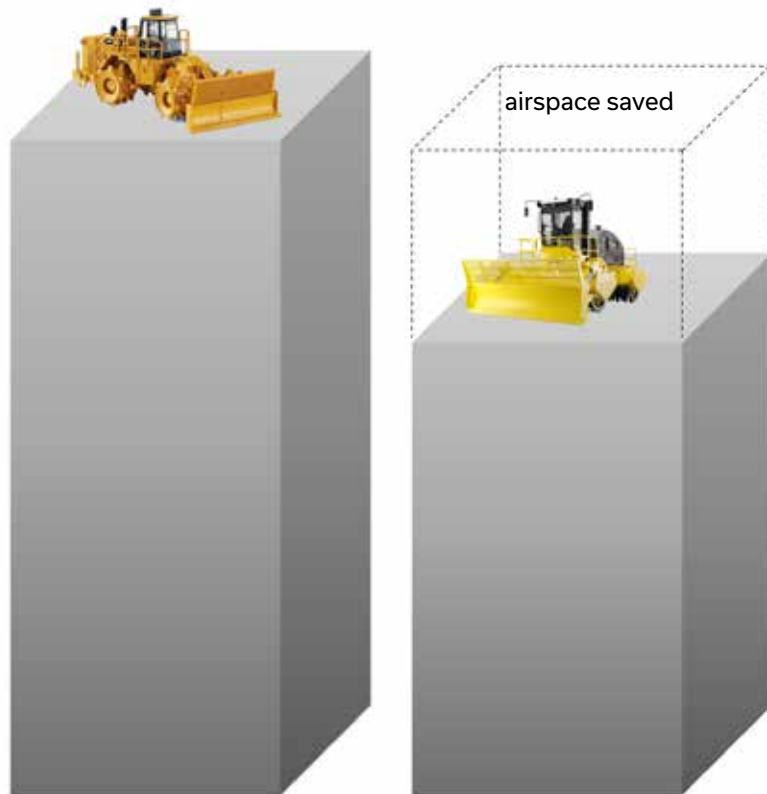




# INCREASE IN REVENUES

## BETTER AIRSPACE MANAGEMENT

Landfilling remains an important part of the waste management process. Optimizing the incoming waste streams and their handling at the site leads to an efficient process and increased profits. The more waste that can be landfilled at a specific site in the densest possible layers, the longer it can remain operational and generate income for the owner.



### EFFICIENT OPERATION MAXIMISES AIR SPACE MANAGEMENT

The maximisation of air space management on a landfill site depends on the general operation efficiency and the compaction.

It has been proven that evenly compacted waste mass settles more evenly. A smooth compaction surface yields less pockets and unseen soft spots, dramatically reducing the amount of cover material/soil required. As a result, the overall operation costs are reduced and the lifetime of the landfill may be stretched considerably.

### REDUCED FUEL CONSUMPTION

More efficient and faster operation means lower fuel consumption. Several tests have proved that a TANA compactor can outperform the competitors by a 8-12 % savings in fuel consumption.

### LOWER USE OF COVER SOIL

A TANA compactor's better compaction rate with a smoother surface reduces the use of cover soil by 50 %.

# COMPARISON: A RIGID FRAME VS. AN OSCILLATING FRAME

The end result is a smooth, firmly compacted area. The waste trucks can drive safely and quickly to the tipping area for unloading with minimized risk of vehicle breakdowns caused by unevenly compacted ground.

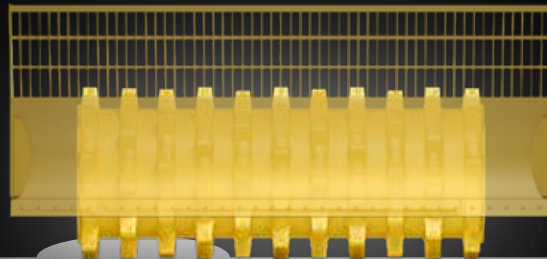


A TANA compactor's rigid frame maximizes the weight distribution of compaction into an area with uneven bumps.

Crushing force is  
always

**50%**

of the total compactor  
weight and blade stays even  
and does not dig in

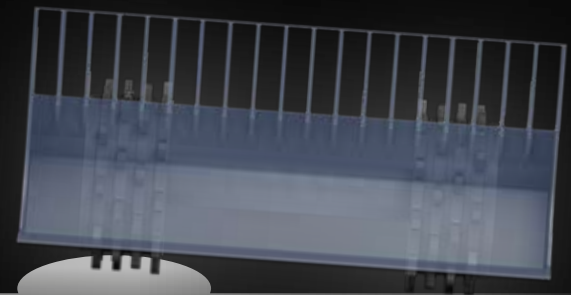


A traditional four-wheeler compactor with an oscillating frame loses its compaction force in uneven areas.

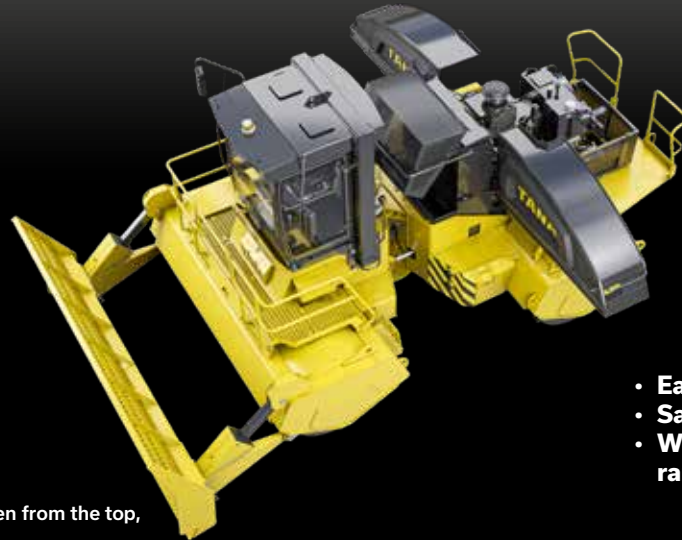
Crushing force is never  
more than

**25%**

of the total compactor  
weight and blade tip gouges  
the waste



# NEW OPERATIONAL **STANDARD AND ERGONOMY**



\* Covers for H260/320 models open from the top, H380-520 models to the sides

- Easy access for maintenance\*
- Safe walk-around design
- Well guarded and shielded from random debris.



A clear forward visibility makes it easy to operate the compactor.



Highest ground clearance of any compactor. Easy to operate on a rough terrain.

Safe design without belly pans: no debris accumulation to cause any fire hazards.



Full visibility – the best on the market.



# INCREASED EFFICIENCY AND COMFORT FOR OPERATOR

## SAFETY & COMFORT

Improved comfort in the cab with adjustable seat, plenty of legroom and easy access. Air-condition and the low noise levels makes operating even more comfortable.

Increased **safety** thanks to superior visibility and new rear-view mirrors. New cabin features e.g.:

- Bigger in size
- Larger doorways
- Better visibility
- More quiet driver environment
- New seat, armrests & joysticks for better ergonomy
- New TCS display & user interface
- New HVAC: more cooling & heating capacity, better airflow
- Improved cabin filtration
- New lights (LED panels)
- New options: cooled lunch box, seat with A/C, mirror cameras



High resolution color touch screen for easy operation.



# MANAGE YOUR OPERATIONS **WITH REAL-TIME DATA**

## TOOLS FOR GATHERING INFORMATION

### TANA ProTrack® ENSURES **HIGH UPTIME**

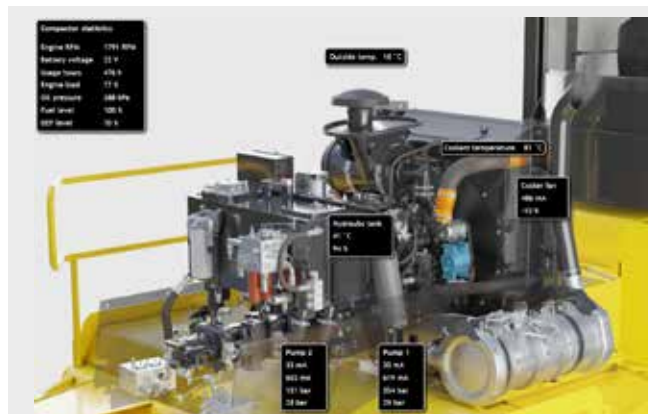
TANA ProTrack® is the ultimate information management tool for receiving monthly reports and for providing real time remote access to the machine.

The tool provides valuable information by automatically tracking the working hours and work loads. It also collects data on the compactor's operational costs, like the fuel consumption.

TANA ProTrack® improves your business by maintaining a high uptime. It does this by providing automatic notifications on service intervals and by informing about critical alarms.

### A FAST AND EASY WAY FOR MAKING SERVICE REQUESTS

The remote access on TANA ProTrack® provides fault codes and detailed data on alarms to help your local service partner and TANA service on to troubleshoot the problem.



TANA ProTrack® offers a tool for viewing the status of the compactor and details of the power pack components over the internet in real time.

# MAXIMUM UPTIME AND EFFICIENCY



## TANA Control System (TCS)

The TANA Control System (TCS) monitors and controls all system functions. While TANA ProTrack® grants access to view the machine status and operations remotely – TCS is designed for local use as a tool for the operator.

TCS provides such information as the remaining amount of fuel, engine coolant temperature, hydraulic oil temperature and engine oil temperature. It also gives alarm notifications when something is out of its range.

The information in the alarm log helps with immediate troubleshooting on site.

TCS monitors the performance of the engine, and all other major components including the power train and the auxiliary hydraulics. The system is complete with test point adapters for easy hydraulic system checks. In addition to the above, TCS has the capability to remind the operator of the scheduled service at 250 hrs intervals.

## TANA Control System New User Interface:

### Comprehensive adjustment options

- Air conditioning
- Drive mode (SMART - POWER)
- Steering ratio
- Left-hand or right-hand steering
- Idle speed (can be raised to further improve heating in cold conditions)
- Clock display mode
- Screen brightness
- Units of measurement
- Language options

### Comprehensive diagnostic options

- Pressures
- Temperatures
- Surface levels
- Control system diagnostics
- Diesel engine data

## GPS

Key advances for using GPS (e.g. Carlson):

- Assure air space and opex savings every day
- Maximum uptime
- Operational efficiency
- User-friendly

Main features commonly are:

- Remote monitoring, reporting and productivity tracking of machines
- Record placement of hazard materials such as asbestos
- Proximity warnings between machines and other assets including vehicles and man-rovers
- Avoidance zones such as gas wells and hazardous material placement
- Eliminates overfill for outer design slopes
- True recording of actual material placement

# SPECIAL HIGHLIGHTS & FEATURES

## A DESIGN MASTERPIECE

**Best overall cabin visibility in its class, low noise levels and good ergonomics are the design highlights of TANA compactors from the operator's perspective.**

### DESIGN FEATURES

- Superb ergonomics based on extensive research and experience
- Falling Object Protection Structure (FOPS) integrated with Roll-Over Protection Structure (ROPS)
- Cabin isolated from machine and engine vibration
- Cabin located on the front frame to give best visibility at the dozer blade
- Cabin located as far away from the engine as possible to reduce noise and heat effects
- The heater, ventilation and air conditioning act as the nerve centre of the cabin climate control

### OPERATIONAL FEATURES

- Joysticks integrated to the operator's seat
- Automatic HVAC control
- Triple-laminated, safety glass all around
- Sun protected cabin window (optional)
- 8 halogen working lights/optional LED light bars
- Air-suspended seat
- Windscreen and rear window intermittent wiper-washers
- Pressurized, sound and heat isolated cabin
- Replaceable cabin air filters
- Emergency exit, lockable door

**Better visibility and larger cabin**

**HEPA filtering in the cabin.**

**Full forward visibility for accurate operation.**

**Good gradeability due to a low center of gravity. Safe to operate in steep conditions.**





Cabin noise level LpA starting from **63 dB**, depending on the model. Reduced heat and noise from engine by cabin placement.

Easy maintenance access. Well-protected from waste debris and objects.

High ground clearance of 840 mm without the need of belly pans.

## COMFORT FEATURES

- Drink container holder, shelf and lockers
- Roll-down sun visor
- AM/FM radio CD player / MP3 unit
- Socket for mobile phone recharge
- Heater and A/C unit

## SMART FEATURES

- The easy-to-use Tana Control System (TCS) LCD panel informs the operator of all machine functions
- TANA ProTrack<sup>®</sup> remote management system
- 2 driving modes (SMART & POWER) and 2 driving speeds (TURTLE & RABBIT)

## SERVICE KITS

The filters and accessories needed in any of the scheduled maintenances are packed in TANA Service Kits. When it is time for a scheduled maintenance, everything except oils and liquids are provided in a one box ready to go.



# TANA LANDFILL COMPACTORS

## TANA COMPACTORS COME IN 5 WEIGHT CATEGORIES

TANA landfill compactors are available either with EU Stage IIIA/U.S. EPA Tier 3 or EU Stage V/U.S. EPA Tier 4(f) engine.

All "eco"-labeled models are built with a Tier 4 final engine. They meet the new emission regulations and reduce fuel consumption up to 8–9 % when compared to Tier 3 engines.

### 26 TONS

TANA H260/H260eco



### 32 TONS

TANA H320/H320eco



### 38 TONS

TANA H380/H380eco



### 45 tons

TANA H450/H450eco



### 52 tons

TANA H520/H520eco



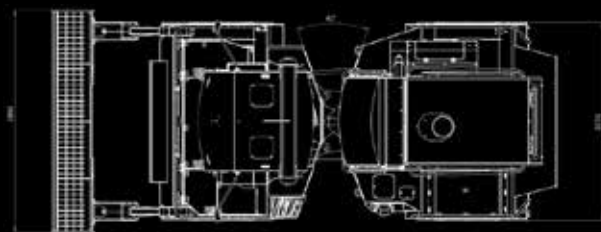
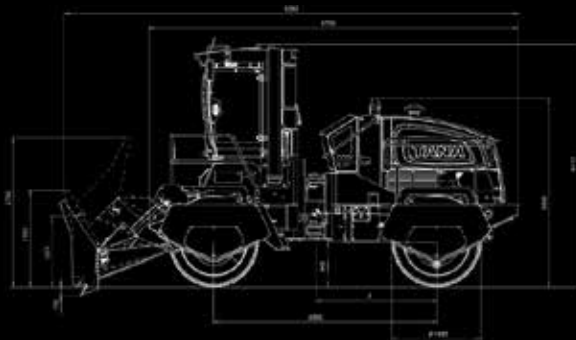
# TECHNICAL SPECIFICATIONS

GENERAL SPESIFICATIONS	H260 <sup>eco</sup>   H260	H320 <sup>eco</sup>   H320	H380 <sup>eco</sup>   H380	H450 <sup>eco</sup>   H450	H520 <sup>eco</sup>   H520
Operating Weight	29,000 kg	32,000kg	38,000kg	45,000kg	52,000kg
Total Length	8,260 mm	8,260 mm	9,260 mm	9,510 mm	9,510 mm
Total Width	3,660 mm	3,660 mm	4,500 mm	4,950 mm	4,950 mm
Total Height	4,410 mm	4,410 mm	4,410 mm	4,410 mm	4,410 mm
Wheel Base	4,050 mm	4,050 mm	4,060 mm	4,060 mm	4,060 mm
Ground Clearance	840 mm	840 mm	840 mm	840 mm	840 mm
Length Without Dozer Blade	6,730 mm	6,730 mm	7,460 mm	7,460 mm	7,460 mm
Width Without Dozer Blade	3,250 mm	3,250 mm	4,390 mm	4,390 mm	4,390 mm
Inside Turning Radius	3,880 mm	3,880 mm	3,310 mm	3,310 mm	3,310 mm
Driving Speed Ranges	0-4 km/h / 0-10 km/h	0-4 km/h / 0-10 km/h	0-4 km/h / 0-10 km/h	0-4 km/h / 0-10 km/h	0-4 km/h / 0-10 km/h
Max. crushing Force	127 kN	157 kN	186 kN	221 kN	255 kN
COMPACTION DRUMS	FRONT / REAR DRUM	FRONT / REAR DRUM	FRONT / REAR DRUM	FRONT / REAR DRUM	FRONT / REAR DRUM
Crushing / Compaction Width	2,660 mm / 2,660 mm	2,660 mm / 2,660 mm	2,660 mm / 3,800 mm	3,800 mm / 3,800 mm	3,800 mm / 3,800 mm
Diameter	1,620 mm	1,620 mm	1,620 mm	1,620 mm	1,620 mm
No. of Feet Front/Rear	80/80 pcs	80/80 pcs	80/110 pcs	110/110 pcs	110/110 pcs
Height of Feet	200 mm	200 mm	200 mm	200 mm	200 mm
No. of Scapers Bars (Front/Rear)	14/14 pcs	14/14 pcs	14/20 pcs	20/20 pcs	20/20 pcs
No. of Wirecutters (Front/Rear)	4/4 pcs	4/4 pcs	4/4 pcs	4/4 pcs	4/4 pcs
DOZER BLADE	TANA straight blade, trash screen, reversible cutting edges	TANA straight blade, trash screen, reversible cutting edges	TANA straight blade, trash screen, reversible cutting edges	TANA straight blade, trash screen, reversible cutting edges	TANA straight blade, trash screen, reversible cutting edges
Width	3,660 mm	3,660 mm	4,500 mm	4,950 mm	4,950 mm
Height	1,750 mm	1,750 mm	1,960 mm	2,350 mm	2,350 mm
Movement Above Ground Level	1,170 mm   1,270 mm	1,170 mm   1,270 mm	1,260 mm	1,290 mm	1,290 mm
Movement Below Ground Level	150 mm	150 mm	150 mm	150 mm	150 mm
POWER PACK					
Engine	Cummins L9-C365   Cummins QSL9-C250	Cummins L9-C365   Cummins QSL9-C325	Cummins X15-C535   Cummins X15-450	Cummins X15-C535   Cummins X15-C535	Cummins X15-C535   Cummins X15-C535
Power Rating (SAE J1995)	365 bhp (272kW)@2,100 rpm (H260eco) 250 bhp (186kW)@2,000 rpm (H260)	365 bhp (272kW)@2,100 rpm (H320eco) 325 bhp (242kW)@2100 rpm (H320)	535 bhp (399 kW)@2,100 rpm (H380eco) 535 bhp (399 kW)@2,100 rpm (H380)	580 bhp (433 kW)@1,800 rpm (H450eco) 580 bhp (433 kW)@1,800 rpm (H450)	535 bhp (399 kW)@2,100rpm (H520eco) 535 bhp (399 kW)@2,100rpm (H520)
Maximum power	365 bhp (272kW)@2,100 rpm (H260eco) 340 bhp (253kW)@1,900 rpm (H260)	365 bhp (272kW)@2,100 rpm (H320eco) 350 bhp (261kW)@1900 rpm (H320)	580 bhp (433 kW)@1,800 rpm (H380eco) 580 bhp (433 kW)@1,800 rpm (H380)	535 bhp (399kW)@2,100 rpm (H450eco) 535 bhp (399kW)@2,100 rpm (H450)	580 bhp (433 kW)@1,800 rpm (H520eco) 580 bhp (433 kW)@1,800 rpm (H520)
Maximum torque	1,561 Nm (1,151 lb-ft)@1,400 rpm (H260eco) 1085 Nm (800lb-ft)@1400 rpm (H260)	1,561 Nm (1,151 lb-ft)@1,400 rpm (H320eco) 1424 Nm (1050lb-ft)@1300-1500 rpm (H320)	2,644 Nm (1,950lb-ft)@1,400 rpm (H380eco) 2,644 Nm (1,950lb-ft)@1,400 rpm (H380)	2,644 Nm (1,950 lb-ft) @1,400 rpm (H450eco) 2,644 Nm (1,950 lb-ft) @1,400 rpm (H450)	2,644 Nm (1,950 lb-ft) @1,400 rpm (H520eco) 2,644 Nm (1,950 lb-ft) @1,400 rpm (H520)
Displacement	8.9 L	8.9 L	15 L	15 L	15 L
Engine Data	Six cylinder, turbocharger and aftercooler, liquid cooled EU Stage V/U.S. EPA Tier 4(f) (H260eco) EU Stage IIIA/U.S EPA Tier 3 (H260)	Six cylinder, turbocharger and aftercooler, liquid cooled EU Stage V/U.S. EPA Tier 4(f) (H320eco) EU Stage IIIA/U.S EPA Tier 3 (H320)	Six cylinder, turbocharger and aftercooler, liquid cooled EU Stage V/U.S. EPA Tier 4(f) (H380eco) EU Stage IIIA/U.S EPA Tier 3 (H380)	Six cylinder, turbocharger and aftercooler, liquid cooled EU Stage V/U.S. EPA Tier 4(f) (H450eco) EU Stage IIIA/U.S EPA Tier 3 (H450)	Six cylinder, turbocharger and aftercooler, liquid cooled EU Stage V/U.S. EPA Tier 4(f) (H520eco) EU Stage IIIA/U.S EPA Tier 3 (H520)
Hydrostatic Transmisison	Variable displacement axial piston tandem pump and motors with electrical proportional control	Variable displacement axial piston tandem pump and motors with electrical proportional control	Variable displacement axial piston tandem pump and motors with electrical proportional control	Variable displacement axial piston tandem pump and motors with electrical proportional control	Variable displacement axial piston tandem pump and motors with electrical proportional control
Fuel Tank	655 liters	655 liters	655 liters	655 liters	655 liters
Urea Tank	72 liters	72 liters	72 liters	72 liters	72 liters
Cabin Air Filtration	Pre-filter grade EU4, Micro filter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro filter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro filter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro filter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro filter grade EU11, Active carbon filter grade EU5

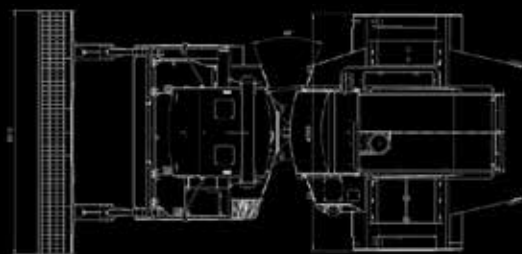
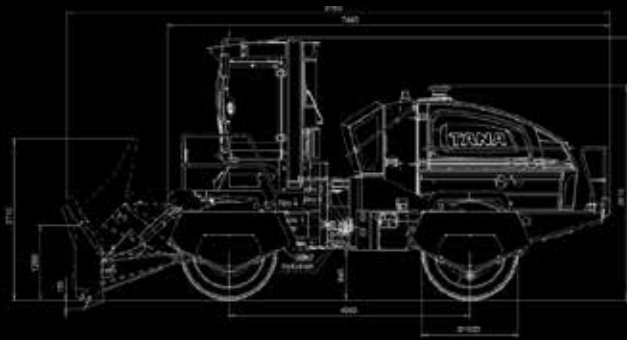
Technical spesification D123090 / 15.10.2021

Weights and measurements are given within normal tolerances limits. The manufacturer reserves the right for any changes. See the latest updates for TANA landfill compactors at [www.tana.fi](http://www.tana.fi).

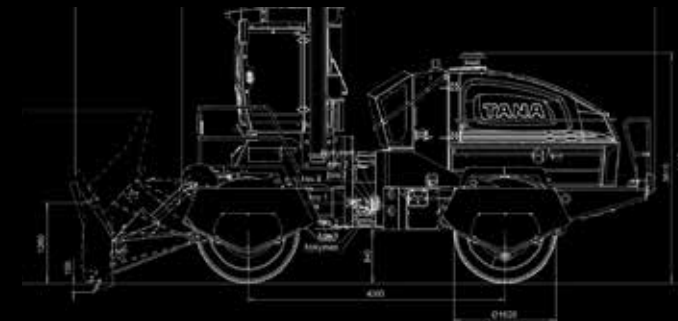
## H260/H260eco H320/H320eco



## H380/H380eco



## H450/H450eco H520/H520eco



**TANA**  
From Waste to Value®

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Your local TANA distributor:

