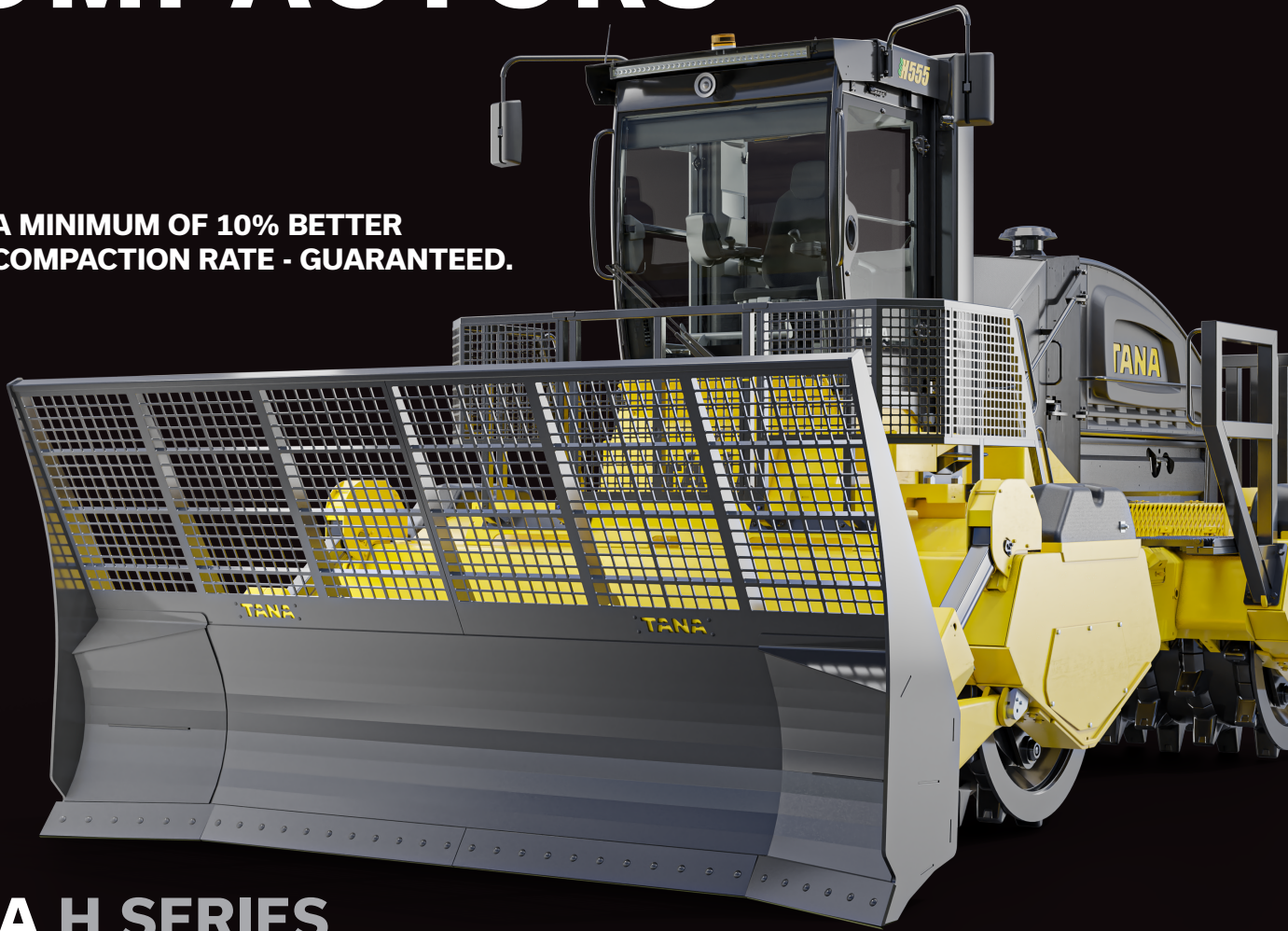


TANA

LANDFILL COMPACTORS

**A MINIMUM OF 10% BETTER
COMPACTION RATE - GUARANTEED.**



TANA H SERIES

THE MOST PRODUCTIVE COMPACTORS ON THE MARKET

Unique design

Twin drums Fewer passes, smooth and dense surface

Rigid frame Best crushing force

Crushing teeth Size, shape and number optimized to
achieve maximum compaction

TANA ProTrack® To maximize uptime and reduce cost

TANA
North America

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

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
- Rated to operate on up to 2:1 slopes

ROLLER COMPACTION (TRC) METHOD

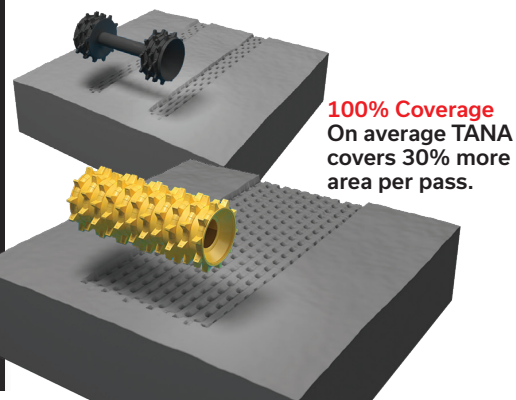
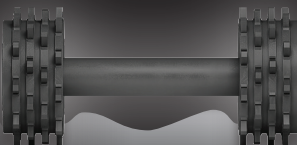
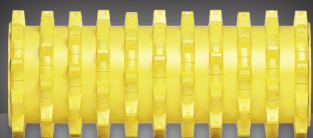
- Two full-width passes creating uniform compaction
- Maximum capacity tons per hour
- Excellent traction with no loss of compaction force
- Smooth, level surface
- High spots get maximum force applied while blade does not dig in
- No cabin swing or weight shift
- 160 to 220 cleats per compactor maximizing 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 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.



100% Coverage
On average TANA covers 30% more area per pass.

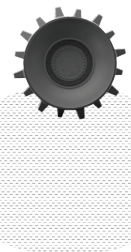
Highest ground clearance of any compactor.
Easy to operate on a rough terrain.



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

GROUND PRESSURE

TANA
64 inch diameter



Four wheel compaction:
Smaller surface area
results in more ground pressure



OTHERS
84 inch diameter

Larger surface area
results in **less ground pressure**

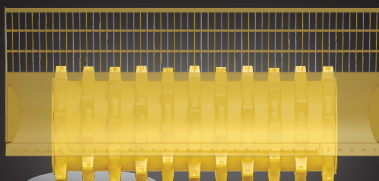
Only 25 % of the compactor's total weight optimized to level the bumps.
The result: uneven compaction.

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

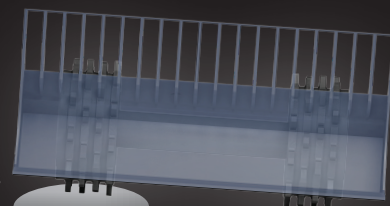


A traditional four-wheeler compactor with an oscillating frame loses its compaction force in uneven areas.

Crushing force is never
more than

25%

of the total compactor
weight and blade tip gouges
the waste



50 % of the compactor's total weight is optimized for leveling any bumps. The result: high compaction efficiency with a smooth surface.

BETTER COMPACTION - BETTER PROFIT

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 15-45 % savings in fuel consumption.

TOOTH PENETRATIONS per foot of travel

TANA provides the most tooth penetrations per foot of machine travel in each weight class. Penetrations per foot range from 12.75 to 17.50 depending on model. This is a good indicator of a landfill compactor's ability to compact trash.

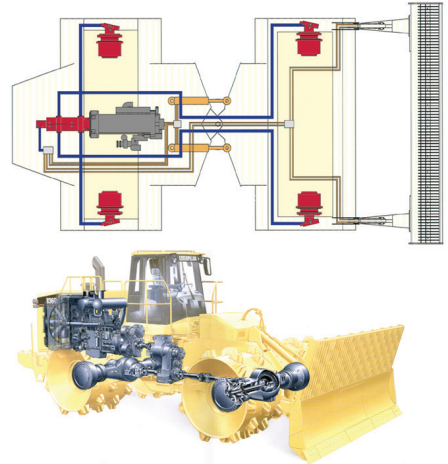
TANA'S HYDROSTATIC SYSTEM VS. POWER SHIFT TRANSMISSION

TANA design:

- Two Pumps
- 2, 3, or 4 Final Drives & Motors

TANA's design eliminates:

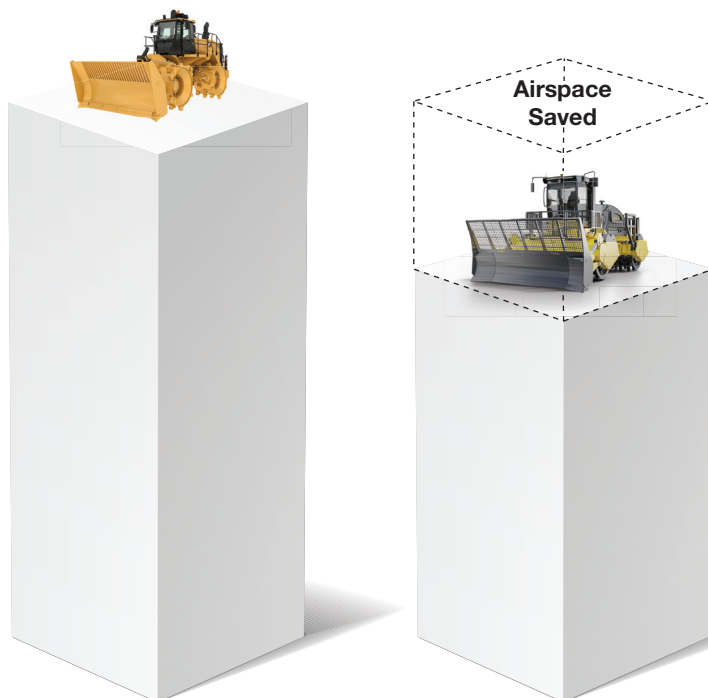
- Torque converter
- Power shift transmission
- Transfer gearbox
- Drive shafts & universal joints
- 2 differentials
- Disc brakes (service)
- Complicated control systems
- Clutch pedal & clutch
- Brake pedal & controllers



INCREASE IN PROFITS

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.



EFFICIENCY

The maximization 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.

LOWER USE OF COVER SOIL

A TANA compactor's better compaction rate with a smoother surface reduces the use of cover soil up to 60 %.

COMFORT AND SAFETY

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.

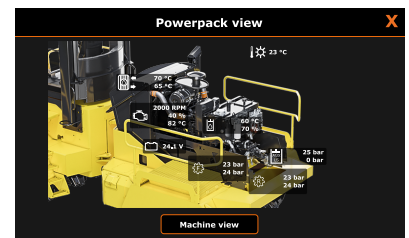
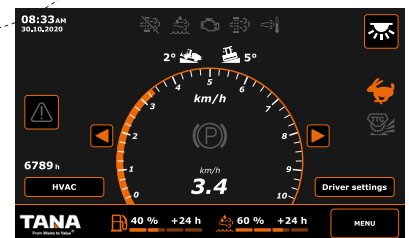
Increased **safety** thanks to superior visibility with rear view mirrors and back-up camera systems.

Cabin features e.g.:

- Bigger in size
- Larger doorways
- Better visibility
- Quieter driver environment
- New seat, armrests, & joysticks for better ergonomics
- New TCS display & user interface
- New HVAC: more cooling & heating capacity, better airflow
- Improved cabin filtration
- New LED lights
- New options: cooled lunch box, seat with A/C & heating, additional camera options, electric cabin pre-heater, Webasto cabin heater



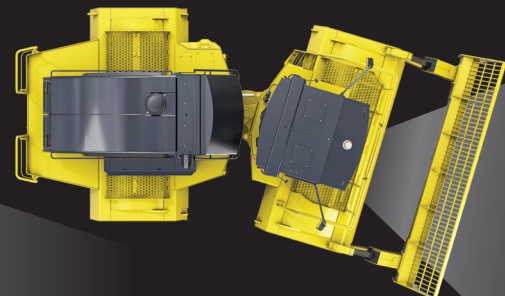
High resolution color touch screen for easy operation.



➤ Cab forward design makes it easy to operate the compactor



➤ Blade visibility is the BEST on the market



OPERATIONAL FEATURES

- Joysticks integrated to the operator's seat
- Automatic HVAC control
- Option for additional LED working light bars
- Triple-laminated, safety glass all around
- Air-suspended seat
- Intermittent front and rear windshield wipers
- Pressurized cabin
- Replaceable cabin air filters
- Emergency exit, lockable door

COMFORT FEATURES

- Cup holder, shelf, and lockers
- Roll-down sun visor
- AM/FM radio CD player / MP3 unit
- Charging port 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® remote management system
- 2 driving modes (SMART & POWER) and 2 driving speeds (TURTLE & RABBIT)

SERVICE & MAINTENANCE

Locally Stocked Inventory

- Dealer Network and Local Service
- Providers Stock Inventory
- On-site parts container available upon customer request

North American Dealership Network

- Humdinger has a strong dealership and local service provider network offering quick response times
- With the use of TANA ProTrack® we can often diagnose problems without having to take a trip to your landfill
- Our service process is designed to maximize uptime and keep costs low

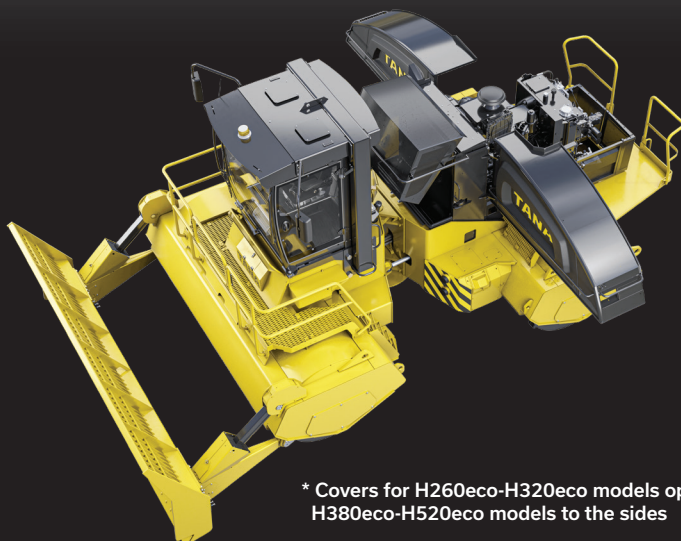
Designated Service Technician

- Humdinger Equipment assigns each compactor to a service manager who monitors the machine daily
- Our service team has a daily meeting to assure each issue is being addressed
- 24/7 technical support number (844) 365-5394

TANA CONTAINER STOCK



Stores all critical parts close to your operation.



* Covers for H260eco-H320eco models open from the top, H380eco-H520eco models to the sides

- Easy access for maintenance
- Safe walk-around design
- Well guarded and shielded from debris

MANAGE YOUR OPERATIONS WITH REAL-TIME DATA

TOOLS FOR GATHERING INFORMATION

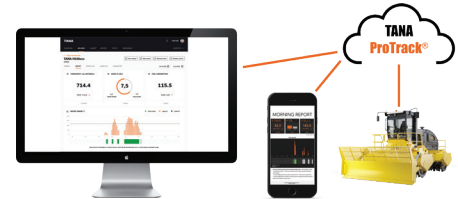
TANA ProTrack® ENSURES **HIGH UPTIME**

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.

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



GPS

- Reduces operating cost
- Assure high compaction rates
- Record placement zones of hazard materials and structures such as gas wells
- Proximity warnings between machines
- Connections for GPS are standard

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.



TECHNICAL SPECIFICATIONS

GENERAL SPESIFICATIONS	H260eco	H320eco	H380eco	H450eco	H555eco
Operating Weights	57,250-66,000 lbs (25,975-29,946 kg)	71,750-73,500 lbs (32,554-33,348 kg)	85,000-91,000 lbs (38,566-41,289 kg)	100,250-109,000 lbs (45,485-49,456 kg)	115,500-124,250 lbs (52,405-56,375 kg)
Total Length	27 ft, 1 in (8,260 mm)	27 ft, 1 in (8,260 mm)	30 ft, 6 in (9,260 mm)	31 ft, 2 in (9,510 mm)	31 ft, 2 in (9,510 mm)
Total Width	12 ft (3,660 mm)	12 ft (3,660 mm)	14 ft, 9 in (4,500 mm)	16 ft, 3 in (4,950 mm)	16 ft, 3 in (4,950 mm)
Total Height	14 ft, 6 in (4,410 mm)	14 ft, 6 in (4,410 mm)	14 ft, 6 in (4,410 mm)	14 ft, 6 in (4,410 mm)	14 ft, 6 in (4,410 mm)
Wheel Base	13 ft, 3 in (4,050 mm)	13 ft, 3 in (4,050 mm)	13 ft, 4 in (4,060 mm)	13 ft, 4 in (4,060 mm)	13 ft, 4 in (4,060 mm)
Ground Clearance	2 ft, 9 in (840 mm)	2 ft, 9 in (840 mm)	2 ft, 9 in (840 mm)	2 ft, 9 in (840 mm)	2 ft, 9 in (840 mm)
Length Without Dozer Blade	22 ft, 1 in (6,730 mm)	22 ft, 1 in (6,730 mm)	24 ft, 6 in (7,460 mm)	24 ft, 6 in (7,460 mm)	24 ft, 6 in (7,460 mm)
Width Without Dozer Blade	10 ft, 8 in (3,250 mm)	10 ft, 8 in (3,250 mm)	14 ft, 5 in (4,390 mm)	14 ft, 5 in (4,390 mm)	14 ft, 5 in (4,390 mm)
Inside Turning Radius	12 ft, 9 in (3,880 mm)	12 ft, 9 in (3,880 mm)	10 ft, 10 in (3,310 mm)	10 ft, 10 in (3,310 mm)	10 ft, 10 in (3,310 mm)
Driving Speed Ranges	0-2.5 mph (0-4 km/h) / 0-6.2 mph (0-10 km/h)	0-2.5 mph (0-4 km/h) / 0-6.2 mph (0-10 km/h)	0-2.5 mph (0-4 km/h) / 0-6.2 mph (0-10 km/h)	0-2.5 mph (0-4 km/h) / 0-6.2 mph (0-10 km/h)	0-2.5 mph (0-4 km/h) / 0-6.2 mph (0-10 km/h)
Max. crushing Force	33,000 lbs (147 kN)	36,750 lbs (164 kN)	45,500 lbs (203 kN)	54,500 lbs (243 kN)	62,125 lbs (277 kN)
COMPACTION DRUMS	FRONT / REAR DRUM	FRONT / REAR DRUM	FRONT / REAR DRUM	FRONT / REAR DRUM	FRONT / REAR DRUM
Crushing / Compaction Width	8 ft, 9 in (2,660 mm) / 8 ft, 9 in (2,660 mm)	8 ft, 9 in (2,660 mm) / 8 ft, 9 in (2,660 mm)	8 ft, 9 in (2,660 mm) / 12 ft, 6 in (3,800 mm)	12 ft, 6 in (3,800 mm) / 12 ft, 6 in (3,800 mm)	12 ft, 6 in (3,800 mm) / 12 ft, 6 in (3,800 mm)
Diameter	5 ft, 4 in (1,620 mm)	5 ft, 4 in (1,620 mm)	5 ft, 4 in (1,620 mm)	5 ft, 4 in (1,620 mm)	5 ft, 4 in (1,620 mm)
No. of Teeth	160 pcs	160 pcs	190 pcs	220 pcs	220 pcs
Height of Teeth	8 inches (200 mm)	8 in (200 mm)	8 in (200 mm)	8 in (200 mm)	8 inches (200 mm)
No. of Scrapers 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	144 in (3,660 mm)	144 in (3,660 mm)	177 in (4,508 mm)	197 in (5,000 mm)	197 in (5,000 mm)
Height	77 in (1,955 mm)	77 in (1,955 mm)	77 in (1,955 mm)	93 in (2,360 mm)	93 in (2,360 mm)
Movement Above Ground Level	4 ft, 2 in (1,270 mm)	4 ft, 2 in (1,270 mm)	4 ft, 2 in (1,260 mm)	4 ft, 3 in (1,290 mm)	4 ft, 3 in (1,290 mm)
Movement Below Ground Level	6 in (150 mm)	6 in (150 mm)	6 in (150 mm)	6 in (150 mm)	6 in (150 mm)
POWER PACK					
Engine	Cummins L9-C365	Cummins L9-C365	Cummins X15-C535	Cummins X15-C535	Cummins X15-C535
Power Rating (SAE J1995)	365 bhp (272kW)@2,100 rpm	365 bhp (272kW)@2,100 rpm	535 bhp (399 kW)@2,100 rpm	535 bhp (399 kW)@2,100 rpm	535 bhp (399 kW)@2,100rpm
Maximum power	365 bhp (272kW)@2,100 rpm	365 bhp (272kW)@2,100 rpm	580 bhp (433 kW)@1,800 rpm	580 bhp (433 kW)@1,800 rpm	580 bhp (433 kW)@1,800 rpm
Maximum torque	1,151 lb-ft (1,561 Nm) @1,400 rpm	1,151 lb-ft (1,561 Nm) @1,400 rpm	1,950 lb-ft (2,644 Nm)@1,400 rpm	1,950 lb-ft (2,644 Nm)@1,400 rpm	1,950 lb-ft (2,644 Nm)@1,400 rpm
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)	Six cylinder, turbocharger and aftercooler, liquid cooled, EU Stage V/U.S. EPA Tier 4(f)	Six cylinder, turbocharger and aftercooler, liquid cooled, EU Stage V/U.S. EPA Tier 4(f)	Six cylinder, turbocharger and aftercooler, liquid cooled, EU Stage V/U.S. EPA Tier 4(f)	Six cylinder, turbocharger and aftercooler, liquid cooled, EU Stage V/U.S. EPA Tier 4(f)
Hydrostatic Transmisison	Variable displacement axial piston tandem pump and motors with electrical propor- tional control	Variable displacement axial piston tandem pump and motors with electrical propor- tional 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 propor- tional control
Fuel Tank	201 gallons (760 liters)	201 gallons (760 liters)	201 gallons (760 liters)	201 gallons (760 liters)	201 gallons (760 liters)
DEF Tank	19 gallons (72 liters)	19 gallons (72 liters)	19 gallons (72 liters)	19 gallons (72 liters)	19 gallons (72 liters)
Cabin Air Filtration	Pre-filter grade EU4, Micro fil- ter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro fil- ter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro fil- ter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro fil- ter grade EU11, Active carbon filter grade EU5	Pre-filter grade EU4, Micro fil- ter grade EU11, Active carbon filter grade EU5
Brake system	Hydrostatic transmisson acts as service brakes; spring applied hydraulically released parking brakes	Hydrostatic transmisson acts as service brakes; spring applied hydraulically released parking brakes	Hydrostatic transmisson acts as service brakes; spring applied hydraulically released parking brakes	Hydrostatic transmisson acts as service brakes; spring applied hydraulically released parking brakes	Hydrostatic transmisson acts as service brakes; spring applied hydraulically released parking brakes

Weights and measurements are given within normal tolerances limits. The manufacturer reserves the right for any changes.
The E520 model is being replaced with the H555 in the 120K weight class. See the latest updates for TANA landfill compactors at www.tananorthamerica.com.





"There has been very little down time thus far and Humdinger has done a great job of outfitting us with on site parts inventory to maximize up time. They shipped the compactor with a shipping container filled with spare parts that are on an inventory purchase program. In addition to the onsite parts inventory Humdinger also partnered with our local dealer to get them set up as our authorized service/repair dealer for the machine."

- Lacy Ballard, Waste Connections

Waste Connections 2019 compaction study:

**TANA compacted 29% more
waste at a 32% higher density
rate than the competition.**



WORLD'S FIRST LANDFILL COMPACTOR IN 1971



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