

TANA Gx260 SANITARY LANDFILL COMPACTOR
Technical specification Gx260-D111000E 30.4.2010

GENERAL INFORMATION AND MAIN DIMENSIONS

	SI	US	
Weight	26000 kg	57300 lb	
Total length	8200 mm	26 ft	11 in
Total width (with dozer blade)	3460 mm	11 ft	4 in
Total height	4320 mm	14 ft	2 in
Wheelbase	4000 mm	13 ft	1 in
Ground clearance	910 mm	2 ft	12 in
Length without dozer blade	6595 mm	21 ft	8 in
Width without dozer blade	3240 mm	10 ft	8 in
Dozer blade width	3460 mm	11 ft	4 in
Dozer blade height	1525 mm	5 ft	
Inside turning radius	4090 mm	13 ft	5 in
Driving speed ranges	0...4.5 km/h	0...2.8 mph	
	0...6 km/h	0...3.7 mph	
Max crushing force	127 kN	28600 lbf	
Ambient operating temperature	-30 °C...+50 °C		
Exhaust emissions	Fulfills U.S. EPA Tier 3, CARB Tier 3 and EU Stage IIIA		
Noise emissions	Fulfills EU directive 2000/14/EC		
Warranty	Basic warranty 12 months/2000 operating hours		

COMPACTION DRUMS

Uniform full width drums with forged crushing teeth made of wear resistant-steel. Adjustable, forged wear-resistant steel scraper bars on both sides of the drums. Adjustable, wear-resistance steel wire cutters in the ends of drums.

	SI	US	
Crushing/compaction width, front drum	2660 mm	8 ft	9 in
Crushing/compaction width, rear drum	2660 mm	8 ft	9 in
Diameter including crushing feet	1620 mm	5 ft	4 in
Height of crushing feet	200 mm		8 in
Number of crushing feet, pcs (front+rear)	80+80		
Number of scraper bars, pcs (front+rear)	14+14		
Number of wire cutters, pcs (front+rear)	2+4		

DOZER BLADE

Dozer blade is operated with two hydraulic cylinders.

Two arms

	SI	US	
Width	3460 mm	11 ft	4 in
Height	1525 mm	5 ft	
Movement above ground level	1150 mm	3 ft	9 in
Movement below ground level	95 mm		4 in

Upper part of blade: trash screen

Arm joints with hardened pins and spherical bearings

FRAME

Frame is constructed of two modular drum frames connected together with longitudinal upper frame. The drum frame acts as a shell around the drum, which helps to prevent waste raising to the upper parts of machine from below.

The upper frame is equipped with center point articulation operated with two hydraulic cylinders.

Articulation links are equipped with hardened pins and spherical steel bearings

Angle of articulation left or right 40 degrees

SERVICE PLATFORMS AND PROTECTION

Service platforms and steps are equipped with banisters and anti-slide surfaces.

Engine housing is protected with lockable hoods. Opening of hoods is made easier with the help of gas springs.

Engine hood acts as service platform when in open position

VANDALISM PROTECTION

Lockable cabin, engine compartment and filling cap of fuel tank

Key for ignition

CABIN EQUIPMENT

Pressurized, sound and heat insulated cabin

Different seat options

Instructor's seat

Emergency exit

Control symbols according to ISO 3767

Lockable door

Cabin lights

Socket for mobile phone re-charge

External rear view mirrors

Shelf and lockers

Front and rear windshield intermittent wipers and washers

Heater and AC unit

Replaceable cabin air filters in accordance with EUROVENT

Radio/CD-player

EUROVENT -4/5 "Method of testing air filters used in general ventilation"

TOTAL CONTROL SYSTEM

Decentralised electronic total control system. Different modules are interconnected via a CAN bus.

CONTROL SYSTEM DISPLAY

LCD 5,7" colour display mounted on the right hand side of operator. All gauge and monitor functions shown on the display.

MAIN DISPLAY
Diesel engine charge pressure
Engine oil pressure
Engine oil temperature
Engine intake air temperature
Engine coolant temperature
Hydraulic oil temperature
Gear box temperatures
Cabin inside and outside temperatures
Fuel level
Fuel consumption
Charging voltage
Engine RPM
Engine load percentage
Engine operating hours

CONTROL SYSTEM WARNINGS AND ALARMS
Total amount of warnings and alarms over 500 pcs. For example:
Engine over speed
Engine air filter contamination
Hydraulic oil temperature (both high and low)
Low hydraulic oil level
Fuel level
Gear box temperatures (both high and low)
Hydraulic oil return line filter clogging
Drive hydraulics charge pressure filter clogging
Low transmission charge pressure
Voltage (both high and low)
All diesel engine alarms shown on display (e.g. oil pressure, coolant temperature etc.)

CONTROLS
Cabin temperature control
Driving speed range selection
Transmission and parking brake on/off
Lights
Windshield wipers and washers (intermittent, front and rear)
Heater and air conditioning unit
Emergency stop
Ignition lock: power on/off, start

CONTROL LEVERS
Control of driving and dozer blade movements by two joysticks-levers. Joysticks integrated in arm-rests on both sides of the operator's seat.
The control levers return automatically in neutral position when released and the movements of the machine stop.
Left hand joystick: control of driving speed & direction
Right hand joystick: control of steering and dozer blade movements and horn

ROPS/FOPS	
ROPS in accordance with ISO 3471/1 and SAEJ1040C	
FOPS in accordance with ISO 3449 and SAEJ231	

ENGINE	
Cummins QSC8.3-C240	
6-cylinder, in-line, water-cooled, turbo-charged, after-cooled, four-stroke diesel engine.	
Electronic engine control system which communicates with compactor's TCS-control system through CAN-bus.	
Engine performance data in accordance with DIN6271/SAE J1995:	
Maximum power	240 BHP(179kW) @ 1800-2200 RPM
Maximum torque	1085 Nm(800lb-ft) @ 1500 RPM
Power rating	240 BHP(179kW) @ 2200 RPM

ENGINE EQUIPMENT	
Vibration and noise muffling rubber spring attachment to frame	
Dry type air cleaner with replaceable primary and safety element. In built pre-cleaner and service indicator.	
Fuel filter and water separator	
Oil filter	
Exhaust muffler	
Radiator + separate charge air cooler	
Starter motor 24 V	
Alternator 24 V, 70A	

POWER TRANSMISSION	
Hydrostatic transmission	
Separate systems for both drums	
Control of driving speed and direction with one lever	
Stepless control of speed	
Two driving speed ranges	
Pumps:	
One tandem pump	
Variable displacement axial piston pumps with electrical proportional control	
Motors:	
Variable displacement motors	2 pcs
Cooling of hydraulic system:	
Air operated oil cooler	
Removable air filtration screen	
Hydraulic oil filtration:	
Return line filter	
Two charge pressure filters	

FINAL DRIVES	
Transmits hydraulic output to the drums	
Three-stage planetary gear boxes	2 pcs
Integrated hydraulic oil released multi plate parking brake	
Splash lubrication system	

BRAKES
Service brakes: Hydrostatic transmission acts as service brakes, separate circuits for both drums
Parking/Emergency brakes: hydraulic oil released, spring actuated multi plate parking brake integrated in planetary gear boxes

AUXILIARY HYDRAULICS
Open circuit system with electro-hydraulic load sensing (LS) control.
Variable displacement axial piston pump.
Directional control valve with electro hydraulic proportional control

HYDRAULIC OIL TANK
Hydraulic oil tank is located inside the engine hood.
Oil level indicator with alarm
Breather filter

FUEL TANK
Tank is located inside the upper frame under operator cabin.
Lockable filling cap
Service hatch
Suction strainer
Drain cock
Capacity 760 l (201 US gal)
Level sensor with alarm

ELECTRICAL EQUIPMENT
24 VDC system
Batteries 12 V 180 Ah, 2 pcs
Circuit breaker
Lights: front 4 pcs, rear 4 pcs
Horn
Voltage reducer for radio
Socket for hand light in engine compartment
Back up alarm

TOOLS AND PARTS	
DESCRIPTION	ITEM
Spare key for cabin and engine hood (1 pcs)	59A145
Drain hose, hydraulic oil (1 pcs)	912296
Filling hose, hydraulic oil (1 pcs)	911763
Filling pump and hose, gearbox oil (1 pcs)	912297
Grease gun (1 pcs)	07U100
Filter tool (1 pcs)	07I810
Spray paint, yellow (1 pcs)	61A101
Spray paint, black (1 pcs)	61A103
Filters to be changed after the first 50 operating hours:	
Breather filter, hydraulics (1 pcs)	59C555
Return line filter, hydraulics (1 pcs)	57A435
Charge pressure filter, hydraulics (2 pcs)	57A513
Coolant filter, engine (1 pcs)	none
Oil filter, engine (1 pcs)	58H924
Fuel filter, engine, water separator (1 pcs)	58H9042
Fuel filter, engine (1 pcs)	58H9041

LITERATURE
MANUALS
TANA – operation manual
TANA – service & maintenance manual
TANA – spare parts manual
Diesel engine – operation & maintenance manual
Diesel engine – parts catalog

Weights and measurements are given within normal tolerances. Manufacturer reserves the right to alter the above as necessary.