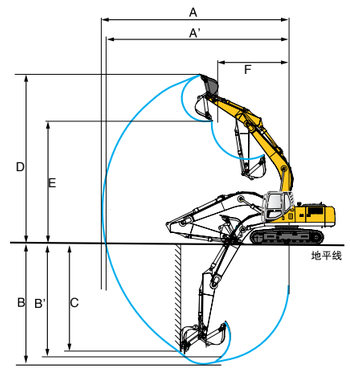
MTZ150T3 Dimensions & Working Range

Main Specifications (Standard)

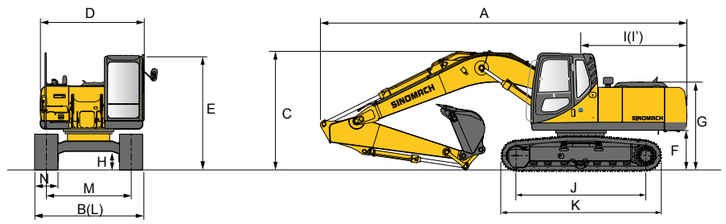
Category		Unit	
	Curb Mass	kg	13890
	Bucket capacity (SAE)	m³	0.6
Engine	Type	-	Cummins 4BTAA3.9-C115
	Rated Power	kW/rpm	86/2200
	Max. torque	N.m/rpm	516/1500
Hydraulic System	Working pressure	Mpa	34.3
	Max. flow rate	L/min	160×2
Performance	Swing speed	rpm	12
	Traveling speed(High/Low)	km/h	5.3/3.1
	Max. digging force (Bucket)	kN	100
	Max. digging force (Arm)	kN	68
	Gradeability	%	70
	Max. drawing force	kN	122
Dimensions	A Overall Length	mm	7762
	B Overall Width	mm	2510
	C Overall Height	mm	2983
	D Width of platform	mm	2510
	E Overall height of cab	mm	2825
	F Ground Clearance of counter weight	mm	915
	I Length of platform	mm	2306
	I' Rear Swing Radius	mm	2387
Travelling Part	Ground Pressure	kgf/cm²	0.423
	H Min. ground clearance	mm	416
	J Wheel base of Track shoe	mm	3010
	K Length of Track shoe	mm	3751
	M Track Gauge	mm	1990
	N Width of Track shoe	mm	500
Oil tank capacity	Fuel tank	L	290
	Hydraulic oil tank	L	165

	Standard Type
A Max.digging reach	8335mm
A' Max.digging reach on the ground	8203mm
B Max.digging depth	5491mm
B' Max.valid digging depth	5288mm
C Max. vertical digging depth	4826mm
D Max.digging height	8679mm
E Max.dumping height	6174mm
F Min.swing radius	2605mm

Working Range



Dimensions



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MTZ Equipment Ltd.

MTZ150T3 CRAWLER EXCAVATOR

14-TON OPERATING CLASS



THE POWER OF PROGRESS: UNMATCHED PERFORMANCE

PRODUCT OVERVIEW

Engineered for optimal efficiency and powerful digging, the MTZ150T3 represents a new standard for 14-ton class excavators, excelling in its performance, efficiency, and durability.

KEY SPECIFICATIONS:

- Weight: 13,890 kg
- Engine Power: 86 kW
- Bucket Capacity: 0.6 m³

Newly optimized design with Reliability, Efficiency, Low consumption

- Stage Three emission standard
- Low consumption but strong power

◆More convenient
- The maintenance points are within reach and convenient for quick check.
- Use centralization lubrication on the working device.

◆More comfortable
- New cabin is more spacious, comfortable and safe.
- Equipped with an Anti-glare color LCD Display with HD large screen.

◆More reliable
- Enhanced bucket with big capacity to provide higher working intensity and efficiency.
- Reinforced chassis makes the driving system strong and stable.



◆More powerful
- Equipped with new high-power Cummins engine.



◆More efficient
- Hydraulic pump and Main control valve with large displacement to make smooth and efficient operation.
- Use new Energy-efficient control system.

- High quality Guarantee





・The structure of cabin is made up of steel pipe with improved strength.
・Big handrail provides convenient up and down support.
・With a seventy-thirty ratio front windshield and big area wiper, the operator will have a better vision.



・Retractable sunshade keep the operator from sunlight.



・The cabin has a wide vision, 360 ° no dead ends.

Comfortable and safe cabin

・The cab is luxurious and comfortable cab with ergonomic design. The shock absorber enables the operator to work lightly.
・The seal ability of cabin has a better sound insulation effect, which can also effectively prevent the intrusion of dust.

With large screen color LCD display, the operator can operate various functions by button integration, which improves the work efficiency.

H mode: Heavy load mode, use 100% of engine power. It is used in heavy load working condition to achieve the max efficiency.

S mode: Standard mode, use 85% of engine power. It is used in normal working condition to achieve the best fuel consumption and efficiency ratio.

L mode: Light load mode, use 60% of engine power. It is used for light work, like clean up the ground.

B mode: Breaking mode, it is used for breaking work according to hydraulic pump power adjustment.



・With suspension seat, the operator can adjust according to his weight and height. There is an air outlet below.



・The spacious footstep space and Non-slip rubber on the bigger pedal will promote the operation work.



・The button integration improves the work efficiency.



・Imported cigarette lighter, Start lock, Rocker switch, Reserve mounting hole for rocker switch.

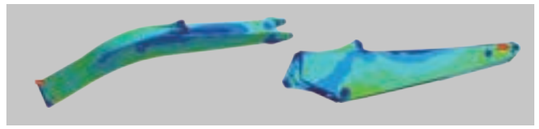


・The button of repair, give quick feedback of machine location and cause of failure.

Reliable Working Device

· High-strength Working Device

· With finite element analysis & optimization, the structure of arm and boom become more rational. The stress distribution is more balanced which reduce the risk of structure cracking.



· Enhanced Bucket



· The bucket is made of wear-resistant material, which has a strong structural strength. Its big capacity improves the operation efficiency.

· Reliable and stable car frame and rotating platform



· Improved box-like structure has lower barycenter and goodstability.
The enhanced four wheels and crawler is suitable for harsh environments.

· Super durable Working Device

· Use Oil-containing resin gasket and High-density copper-based sub-lubricating bushings according to the operation needs of various parts for low friction and wear resistance.



· More convenient and quick for maintenance



· There is a special Drain fitting on the Engine oil pan which is easy for maintenance.



· The air filter is Centrifugal throw dust with Two-stage filtration. And the space is spacious for the cleaning and replacement of air filters.



· The filters are placed together for easy maintenance.



· Use centralized lubricating system on the working device and rotating platform for easy greasing.





Adoptted with plug-in air filter element of world top brand, easy to replace and maintenance time up to 500 hours



The full flow oil filter ensures fuel injection, with minimum malfunction and maintenance time up to 500 hours





Specifications

Operating weight	13890kg
Standard bucket capacity	0.6m³
Stick length	2.49m
Boom length	4.6m

Engine

Model	CUMMINS 4BTAA3.9-C115
Type	Cylinder inlineTurbo-charged with water-cooled
Power	86KW/2200rpm
Max.torque	516N.m / 1500rpm
No.of cylinders	4
Displacement	3.9L

Hydraulic system

Main pump:	
Type	Variable displacement axial piston pumps
Max.displacement	2x80cc/rev
Working pressure	34.3Mpa
Hydraulic motor:	
Swing	Fixed displacement axial piston motor
Travel	Variale displacement axial piton motors

Performance

Swing speed	12rpm
Max. travel speed H/L	5.9/3.4km/h
Gradeability	35°（70%）
Max. digging force of bucket	100kN
Max.digging force of arm	68kN
Ground pressure	42.3kpa

Tank capacity

Fuel tank capcity	280L
Hydraulic tank capacity	120L