

WHEELED EXCAVATOR

ZT60W

ZT60W Wheeled Excavator

Product Technology & Selection Manual

A 5.58-ton wheeled excavator with a 0.21 m³ bucket, Yanmar engine, enclosed cab and 25 km/h maximum travel speed.

5,580 KG

0.21 m³ • 25 km/h



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KEY PRODUCT DATA

OPERATING WEIGHT

5,580 kg

BUCKET CAPACITY

0.21 m³

MAXIMUM TRAVEL SPEED

25 km/h

Product code EXC-1786005208538212

Technical Specifications

Core product and configuration data

OPERATING WEIGHT

5,580 kg

BUCKET CAPACITY

0.21 m³

BUCKET DIGGING FORCE

37.7 kN

MAXIMUM TRAVEL SPEED

25 km/h

GROUP	SPECIFICATION	VALUE
Machine	Operating weight	5,580 kg
	Fuel tank capacity	120 L
Work Tool	Bucket capacity	0.21 m³
Engine	Engine brand	Yanmar
Hydraulics	Hydraulic oil tank capacity	90 L
Travel	Maximum travel speed	25 km/h
	Swing speed	8 rpm
Performance	Bucket digging force	37.7 kN
	Arm digging force	28.4 kN
Configuration	Travel chassis	Wheeled chassis
	Operator environment	Enclosed operator cab
	Front support	Front dozer blade

01 Machine scale

Use operating weight and bucket capacity as the first task-size comparison.

02 Mobility basis

Use travel speed and wheel geometry to screen route and site access.

03 Work output

Compare the stated bucket and arm digging forces with intended material conditions.

Dimensions & Working Range

Overall dimensions and working envelope



DIMENSION / RANGE	VALUE	SELECTION RELEVANCE
Overall length	6,100 mm	Compare the overall envelope with routes and staging space.
Overall width	1,925 mm	Compare with gates, lanes and available access width.
Overall height	2,850 mm	Compare with available overhead clearance.
Rear swing radius	2,350 mm	Review rear clearance within the work area.
Wheel track	1,600 mm	Use with access-width and stance requirements.
Wheelbase	2,100 mm	Review wheelbase against maneuvering needs.
Maximum digging height	6,070 mm	Compare with the required above-ground work envelope.
Maximum dumping height	4,340 mm	Compare with the required discharge height.
Maximum digging depth	3,500 mm	Compare with the required excavation depth.
Maximum digging radius	6,150 mm	Compare with the required horizontal work envelope.

Machine Overview

Complete machine profile and component details

Complementary complete views show the enclosed cab, boom-and-bucket work group, wheeled chassis and front dozer blade.



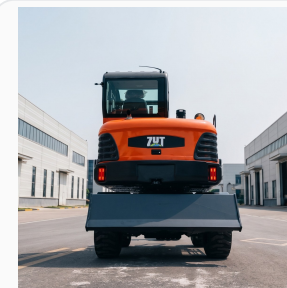
Complete front view

Front view showing the bucket, boom, cab and wheel stance.



Complete left-rear view

Left-rear view showing the upper housing and wheeled chassis.



Complete rear view

Rear view showing the upper housing and wheel stance.

Major Machine Assemblies

Main assemblies and their functional roles



NO.	ASSEMBLY	ROLE
01	Bucket	Ground-engaging work tool at the front of the linkage.
02	Bucket Linkage	Pinned interface between bucket and dipper arm.
03	Dipper Arm	Positions the bucket through the work envelope.
04	Main Boom	Carries the primary lift and reach work group.
05	Enclosed Operator Cab	Enclosed seat and visible control environment.
06	Upper Machinery Housing	Rear upper housing for the installed machinery group.
07	Wheeled Chassis	Four-wheel lower structure and travel base.

Power, Work Group & Wheeled Mobility 1

Visible product components with stated technical data



FLUID SERVICE

Coolant service area

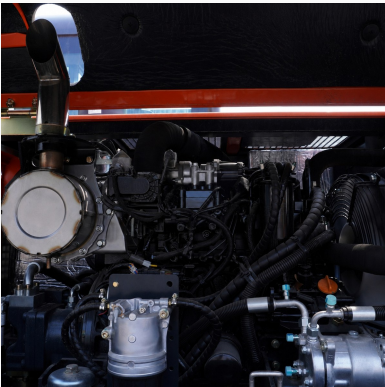
ENGINE	Yanmar
HYDRAULIC TANK	90 L
FUEL TANK	120 L



WORK GROUP

Boom cylinder

MAX DIGGING HEIGHT	6,070 mm
MAX DIGGING DEPTH	3,500 mm
ARM FORCE	28.4 kN



POWER GROUP

Engine compartment

ENGINE BRAND	Yanmar
OPERATING WEIGHT	5,580 kg
MAX TRAVEL SPEED	25 km/h



WHEELED MOBILITY

Wheeled chassis

WHEEL TRACK	1,600 mm
WHEELBASE	2,100 mm
TRAVEL SPEED	25 km/h

Power, Work Group & Wheeled Mobility 2

Visible product components with stated technical data



BUCKET GROUP

Bucket and linkage

BUCKET CAPACITY	0.21 m³
BUCKET FORCE	37.7 kN
MAX DIGGING DEPTH	3,500 mm



FRONT SUPPORT

Dozer blade

CONFIGURATION	Front blade
OVERALL WIDTH	1,925 mm
OPERATING WEIGHT	5,580 kg



THERMAL PACKAGE

Cooling package

ENGINE BRAND	Yanmar
HYDRAULIC TANK	90 L
FUEL TANK	120 L



ARM GROUP

Arm cylinder

ARM FORCE	28.4 kN
MAX DIGGING RADIUS	6,150 mm
MAX DIGGING HEIGHT	6,070 mm

Operator Station & Interfaces

Visible station and interface configuration

Visible station details show the steering interface, pilot safety lock and working-control lever fitted to the product.



Pilot safety lock

Visible pilot-control safety-lock interface.



Working-control lever

Visible working-control lever at the operator station.

STEERING

Visible steering interface for wheeled travel.

CONTROL ISOLATION

Visible pilot safety-lock interface.

WORK CONTROLS

Visible working-control lever at the operator station.

10 — APPLICATIONS

Application Fit

Application context and selection checkpoints

**APPLICATION CONTEXT****Controlled Utility Trench Excavation****Depth and horizontal envelope**

Compare the 3,500 mm digging depth and 6,150 mm radius with the required corridor and trench profile.

**APPLICATION CONTEXT****Foundation-Edge Soil Shaping****Access and rear clearance**

Review overall width, rear swing radius and working range against edge access and available maneuvering space.

**APPLICATION CONTEXT****Material Loading Beside a Trench****Capacity and discharge height**

Compare bucket capacity and maximum dumping height with the intended material and receiver.

**APPLICATION CONTEXT****Roadside Drainage Swale Shaping****Width, reach and support**

Review machine width, digging radius and front blade configuration against the roadside work area.

Selection Summary

A practical product-configuration checklist

DECISION FACTOR	PRODUCT BASIS	USE IN SELECTION
Machine and bucket	5,580 kg; 0.21 m³	Compare machine size and bucket capacity with task demand.
Engine basis	Yanmar diesel engine	Review the stated engine brand for the intended duty.
Overall envelope	6,100 × 1,925 × 2,850 mm	Compare with routes, gates, staging and overhead clearance.
Working range	3,500 / 6,150 / 6,070 / 4,340 mm	Compare depth, radius, height and dumping height with the task.
Mobility	25 km/h; 1,600 mm wheel track	Review stated site mobility and wheel stance.
Work force	37.7 kN bucket; 28.4 kN arm	Compare stated digging-force values with intended material conditions.



CONFIGURE IN FOUR DECISIONS

- 01

Check access
Compare the complete envelope and rear swing radius with the intended route and work area.
- 02

Check work range
Review depth, radius, height and dumping height against the required work envelope.
- 03

Check output
Review bucket capacity and digging-force data against the intended duty.
- 04

Confirm configuration
Confirm the selected machine, cab and work-tool scope in the written order.

WHY SELECT ZT60W

- 1

Machine, bucket and digging-force data provide a direct technical comparison basis.
- 2

Dimensions and working-range values support route and site screening.
- 3

Four product application scenes provide task-specific visual context.
- 4

Wheeled travel and an enclosed cab support mobile site configuration review.