

WHEELED EXCAVATOR

ZT95W

ZT95W Wheeled Excavator

Product Technology & Selection Manual

An 8,100 kg wheeled excavator with a 0.29 m³ stated bucket capacity, Yanmar 4TNV98CT engine, enclosed cab and grapple work tool shown.

8,100 KG

0.29 m³ • 25 km/h



MANUAL MAP

Contents

Product facts, structure, configuration and selection

03

Technical Specifications

Core product and configuration data

04

Dimensions & Working Range

Overall dimensions and working range

05

Machine Overview

Complete machine views and component details

06

Major Machine Assemblies

Visible assemblies and product structure

07

Power, Grapple & Wheeled Mobility — 1/2

Power, hydraulic and mobility architecture

08

Power, Grapple & Wheeled Mobility — 2/2

Power, hydraulic and mobility architecture

09

Operator Station & Interfaces

Operator environment and visible control interfaces

10

Application Fit

Application contexts and selection focus

11

Selection Summary

Configuration and application checklist

KEY PRODUCT DATA

OPERATING WEIGHT

8,100 kg

BUCKET CAPACITY

0.29 m³

MAXIMUM TRAVEL SPEED

25 km/h

Product code EXC-1786005688256606

Technical Specifications

Core product and configuration data

OPERATING WEIGHT

8,100 kg

BUCKET CAPACITY

0.29 m³

BUCKET DIGGING FORCE

45.6 kN

MAXIMUM TRAVEL SPEED

25 km/h

GROUP	SPECIFICATION	VALUE
Machine	Operating weight	8,100 kg
	Fuel tank capacity	124 L
Work Tool	Bucket capacity	0.29 m³
Engine	Engine model	4TNV98CT
	Engine brand	Yanmar
	Engine rated power	56.5 kW
Hydraulics	Hydraulic oil tank capacity	110 L
Travel	Maximum travel speed	25 km/h
	Swing speed	9 rpm
Performance	Bucket digging force	45.6 kN
	Arm digging force	33.1 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	6,625 mm	Compare the overall envelope with routes and staging space.
Overall width	2,400 mm	Compare with gates, lanes and available access width.
Overall height	3,150 mm	Compare with available overhead clearance.
Rear swing radius	2,370 mm	Review rear clearance within the work area.
Wheel track	1,815 mm	Use with access-width and stance requirements.
Wheelbase	2,400 mm	Review wheelbase against maneuvering needs.
Maximum digging height	7,070 mm	Compare with the required above-ground work envelope.
Maximum dumping height	5,040 mm	Compare with the required discharge height.
Maximum digging depth	3,948 mm	Compare with the required excavation depth.
Maximum digging radius	6,725 mm	Compare with the required horizontal work envelope.

05 — MACHINE OVERVIEW

Machine Overview

Complete machine profile and component details

Complementary complete views show the enclosed cab, grapple-equipped articulated work group, wheeled chassis and front dozer blade.

**Complete front view**

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

**Complete right-rear view**

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

**Complete rear view**

Rear view showing the counterweight, lighting and wheel stance.

Major Machine Assemblies

Main assemblies and their functional roles



NO.	ASSEMBLY	ROLE
01	Grapple Work Tool	Front work tool shown for controlled timber gripping and placement.
02	Quick Coupler and Linkage	Connects the illustrated grapple to the arm through the pinned interface.
03	Arm Assembly	Positions the illustrated grapple across the working envelope.
04	Boom and Hydraulic Group	Carries the primary lift-and-reach structure and visible hydraulic routing.
05	Operator Cab and Controls	Enclosed operating position with visible machine interfaces.
06	Rear Body Assembly	Rear upper housing for the installed machinery group.
07	Slewing Ring and Upper Mount	Supports controlled upper-body rotation above the wheeled chassis.
08	Wheeled Chassis	Four-wheel mobile base supporting the upper structure and front blade.

Power, Grapple & Wheeled Mobility — 1/2

Visible product components with stated technical data



WORK GROUP

Boom group

MAX DIGGING HEIGHT	7,070 mm
MAX DIGGING DEPTH	3,948 mm
MAX DIGGING RADIUS	6,725 mm



POWER PACKAGE

Engine compartment

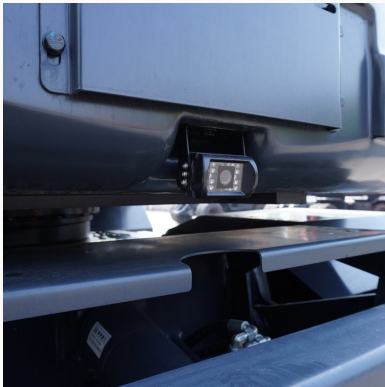
ENGINE MODEL	4TNV98CT
ENGINE BRAND	Yanmar
RATED POWER	56.5 kW



FRONT SUPPORT

Dozer blade

CONFIGURATION	Front blade
OVERALL WIDTH	2,400 mm
OPERATING WEIGHT	8,100 kg



VISIBLE EQUIPMENT

Camera installation

OPERATOR STATION	Enclosed cab
OVERALL HEIGHT	3,150 mm
MODEL	ZT95W

Power, Grapple & Wheeled Mobility — 2/2

Visible product components with stated technical data



CAB INTERFACE

Control-button panel

OPERATOR STATION	Enclosed cab
SWING SPEED	9 rpm
TRAVEL SPEED	25 km/h



POWER-PACKAGE ACCESS

Heat-dissipation area

RATED POWER	56.5 kW
FUEL TANK	124 L
HYDRAULIC TANK	110 L



CYLINDER GROUP

Boom cylinder

ARM FORCE	33.1 kN
DIGGING HEIGHT	7,070 mm
DIGGING DEPTH	3,948 mm



HYDRAULIC GROUP

Hydraulic cylinder

BUCKET FORCE	45.6 kN
ARM FORCE	33.1 kN
HYDRAULIC TANK	110 L

Operator Station & Interfaces

Visible station and interface configuration

Visible station details show the steering interface, working-control lever and control-button panel fitted inside the enclosed cab.



Working-control lever

Visible working-control lever at the operator station.



Control-button interface

Visible secondary control-button interface at the operator station.

STEERING

Visible steering interface for wheeled travel.

WORK CONTROLS

Visible working-control lever at the operator station.

CONTROL BUTTONS

Visible secondary control-button interface inside the enclosed cab.

Application Fit

Application context and selection checkpoints



APPLICATION CONTEXT

Organized Timber Grapple Sorting

Stance, reach and placement

Review wheel stance, rear clearance and grapple-equipped work-group reach against the prepared sorting area.



APPLICATION CONTEXT

Controlled Trailer Timber Loading

Height and horizontal envelope

Compare the stated maximum unloading height and working radius with trailer-side placement requirements.



APPLICATION CONTEXT

Roadside Storm Debris Clearance

Route access and positioning

Review overall width, travel speed and front blade configuration against roadside access and positioning needs.



APPLICATION CONTEXT

Forest Track Log-Stack Placement

Envelope, stance and reach

Compare machine envelope, wheelbase and articulated work range with the available forest-track work area.

Selection Summary

A practical product-configuration checklist

DECISION FACTOR	PRODUCT BASIS	USE IN SELECTION
Machine and bucket	8,100 kg; 0.29 m³	Compare machine size and bucket capacity with task demand.
Engine basis	Yanmar 4TNV98CT; 56.5 kW	Review the stated engine model and rated power for the intended duty.
Overall envelope	6,625 × 2,400 × 3,150 mm	Compare with routes, gates, staging and overhead clearance.
Working range	3,948 / 6,725 / 7,070 / 5,040 mm	Compare depth, radius, height and dumping height with the task.
Mobility	25 km/h; 1,815 mm wheel track	Review stated site mobility and wheel stance.
Work force	45.6 kN bucket; 33.1 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 ZT95W

- 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 timber-handling context.
- 4

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