



Engine

YANMAR 4TN98CT-7V

Rated Power

53.3 kW @ 2,000 rpm

Operating Weight

8,700 - 11,200 kg

Bucket Capacity

0.17-0.5 m³

909Fcr EXCAVATOR

TOUGH WORLD. TOUGH EQUIPMENT.

Operating weight	8,700 - 11,200 kg
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Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg.

Bucket capacity	0.17-0.5 m ³
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ENGINE

Description

YANMAR EU Stage V, 4-cylinder straight, Turbocharger, high pressure common rail, electronically controlled direct injection.

Air cleaner: Donaldson FPG air filter.

Emission rating	EU Stage V/ EPA Tier4F
Engine manufacturer	YANMAR
Engine model	4TN98CT-7V
Aspiration	Turbocharger
Cooling fan drive	Direct drive
Displacement	3.3 L
Engine output - gross (SAE J1995 / ISO 14396)	53.3 kW @ 2,000 rpm
Maximum torque	308 N·m @ 1,365 rpm
Bore × stroke	98 × 110 mm

DRIVE AND BRAKES

Description

2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.

	Mono boom:
Max. Travel speed (High / Low)	5.3 / 3 km/h
	2-piece boom:
	4.4 / 2.4 km/h
Gradeability	35°/70%
Max. Drawbar pull	Mono boom: 75 kN 2-piece boom: 80 kN

SWING SYSTEM

Description

Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.

Swing speed	10 rpm
Swing torque	21 kN·m

HYDRAULIC SYSTEM

Main pump

Type	Axial piston variable pumps
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Maximum flow	210 L/min
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Relief valve setting

Implement	310 bar
Travel circuit	310 bar
Slew circuit	240 bar
Pilot circuit	33 bar

Hydraulic cylinders

Boom cylinder – Bore × stroke	φ110 × 1,284 mm
Arm cylinder – Bore × stroke	φ100 × 1,328 mm
Bucket cylinder – Bore × stroke	φ90 × 1,100 mm
Auxiliary circuit 1 (AUX1) pressure and flow	5-120 L/min, 0-280 bar
Auxiliary circuit 2 (AUX2) pressure and flow	5-70 L/min, 0-280 bar

SOUND PERFORMANCE

Interior sound power Level (ISO 6396)	LpA: 73 dB(A)
Exterior sound power Level (ISO 6395)	LwA: 99 dB(A)

ELECTRIC SYSTEM

System voltage	12 V
Batteries	1 x 12 V
Alternator	12 V - 80 A
Starter motor	12 V - 3 kW

SERVICE CAPACITIES

Fuel tank	110 L
Engine oil	10.2 L
Final drive (each)	Mono boom: 1.1 L 2-piece boom: 1.6 L
Cooling system	13.2 L
Hydraulic reservoir	61.3 L
Hydraulic system total	150 L

UNDERCARRIAGE (MONO BOOM)

Track shoe each side	39
Link pitch	154 mm
Shoe width, triple grouser	450 mm
Bottom rollers each side	6
Top rollers each side	1

UNDERCARRIAGE (2-PIECE BOOM)

Track shoe each side	43
Link pitch	154 mm
Shoe width, triple grouser	450 mm
Bottom rollers each side	7
Top rollers each side	1