

**ENGINE**

Model Yanmar 4TNV98CT

Emissions Certification Tier 4 Final / Stage V

Net horsepower - SAE J1349 @ 2300 RPM:  
72 hp (53.3 kW)

Displacement 3.3 L

Cylinders 4-cylinder in line

Cooling Liquid

**DRIVETRAIN**

Travel speeds – 2-speed travel w/ auto-shift:

1st 1.6 mph (2.6 kph)

2nd 3.2 mph (5.2 kph)

**ELECTRICAL**

Voltage 12 volts

Alternator rating 80 amp

Battery 1 x 12 volts

Battery reserve capacity 100 Ah

Work lights 1 x boom / 1x roof

**OPERATOR ENVIRONMENT**

Boom, arm, bucket and swing 2 x pilot joysticks

Tracks 2 x pilot levers

Dozer blade 1 x lever

Aux 1 1- or 2-way flow  
Electric proportional switch on right joystick

Aux 2 2-way flow  
Electric proportional switch on right joystick

Boom swing  
Electric proportional switch on left joystick  
Aux 2/boom swing switch selection on right joystick

**OPERATING WEIGHT**

Operating weight with rubber tracks:

20,305 lb (9 210 kg)

**HYDRAULICS**

Type Open Center

Pump type 2 x gear pumps

Max. rated flow total: 50.7 gpm (192 L/min)

Max. system pressure 4,206.1 psi (290 bar)

Aux. 1 rated flow @ 200 bar  
42.3 gpm (160 L/min)

Aux. 2 rated flow @ 290 bar  
29.1/15.9 gpm (110/60 L/min)

Aux. 3 rated flow @ 250 bar  
13.2 gpm (50 L/min)

Slew speed 9.5 rpm

2nd Auxiliary (Aux 2) circuit with  
Electro-Hydraulic proportional control

**SERVICE CAPACITIES**

Fuel tank 28 gal (105 L)

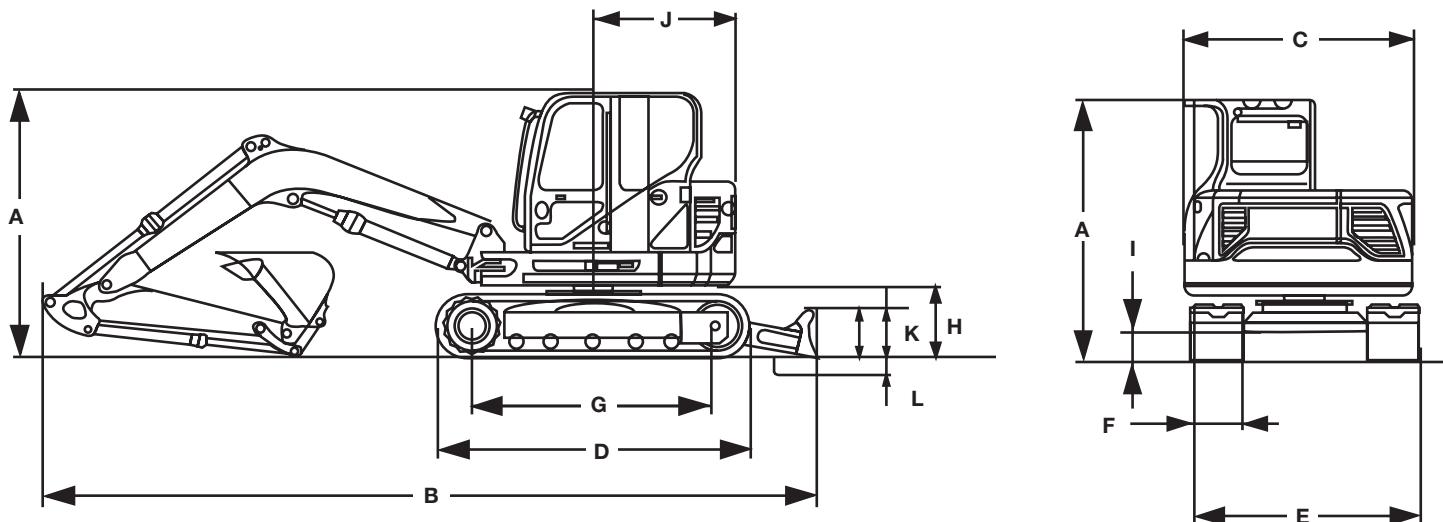
Hydraulic oil tank 22 gal (85 L)

Hydraulic circuit capacity 36 gal (135 L)

Cooling system capacity 6.1 gal (23 L)

Engine oil 2.6 gal (10 L)





Line drawings are for illustrative purpose only and may not be exact representation of unit.

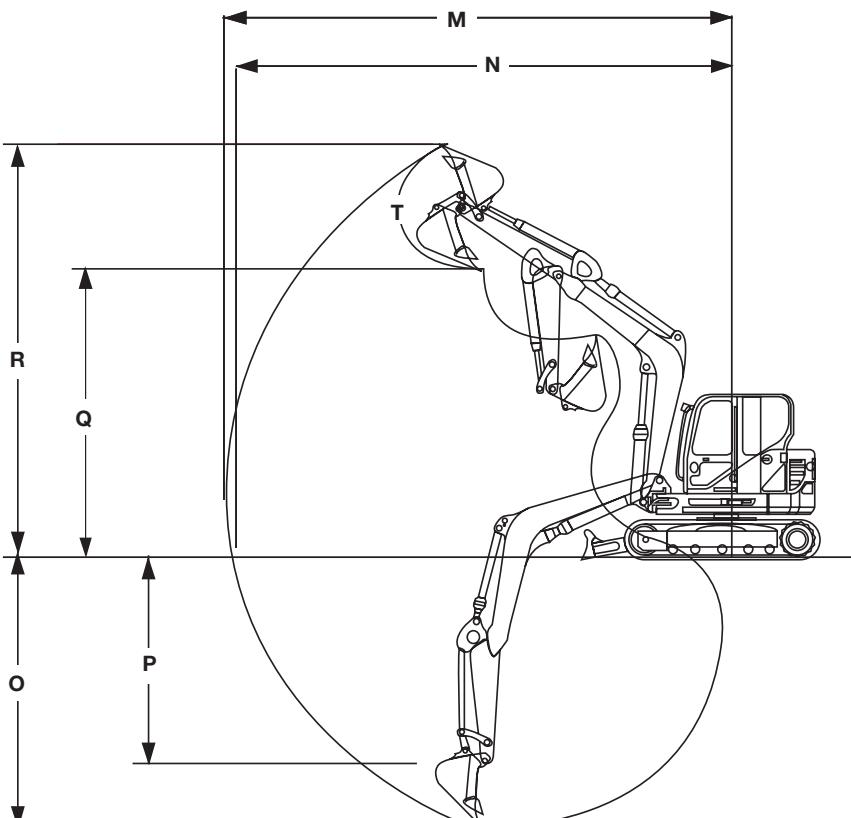
#### DIMENSIONS

##### 5 ft 9 in (1.76 m) Arm

A. Overall height	8 ft 10 in (2 680 mm)
B. Overall transport length	22 ft 4 in (6 802 mm)
C. Width of upper structure	7 ft 7 in (2 300 mm)
D. Track overall length	9 ft 6 in (2 896 mm)
E. Track overall width	7 ft 7 in (2 320 mm)
F. Track shoe width	1 ft 6 in (450 mm)
G. Center to center – idler to sprocket	7 ft 7 in (2 303 mm)
H. Upper structure ground clearance	2 ft 4 in (705 mm)
I. Minimum ground clearance	1 ft 2 in (363 mm)
J. Tail swing radius: Standard counterweight	1 ft 9 in (525 mm)
Boom swing	71° left / 54° right
Tail swing overhang: Standard counterweight	5 in (127 mm)

#### BLADE SPECS

K. Backfill blade rise above ground	1 ft 5 in (440 mm)
L. Backfill blade dig depth	1 ft 4.5 in (420 mm)
Backfill blade width	7 ft 7 in (2 320 mm)



#### PERFORMANCE SPECS

##### 5 ft 9 in (1.76 m)

##### 6 ft 11 in (2.11 m)

M. Maximum dig radius	22 ft 7 in (6 880 mm)	23 ft 8 in (7 210 mm)
N. Dig radius at groundline	22 ft 1 in (6 720 mm)	23 ft 2 in (7 060 mm)
O. Maximum dig depth	13 ft 7 in (4 130 mm)	14 ft 8 in (4 480 mm)
P. Vertical straight wall dig depth	9 ft 6 in (2 900 mm)	10 ft 7 in (3 230 mm)
Q. Dump height	15 ft 3 in (4 660 mm)	16 ft (4 880 mm)
R. Overall reach height	21 ft 5 in (6 530 mm)	22 ft 2 in (6 750 mm)
Arm digging force – ISO	9,779 lbf (44 kN)	8,655 lbf (39 kN)
Bucket digging force – ISO	14,163 lbf (63 kN)	14,163 lbf (63 kN)

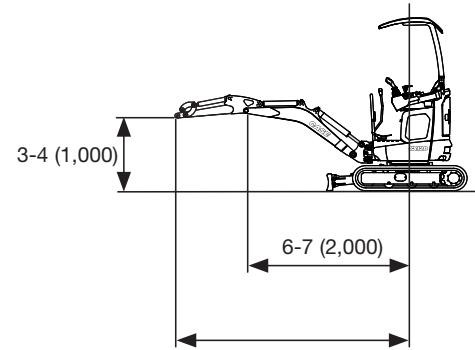
Opening arm from the rotation's center ft-in (mm)  
Lifting capacity in lb (kg) at 3-4 (1,000) height

Standard arm L = 2-11 (900)  
Long arm L = 3-4 (1,020)

LIFTING CAPACITY	6 FT 7 IN (2 000 MM)	MAX
Frontal and lowered dozer blade	7,760 lb (3 520 kg)	5,049 lb (2 290 kg)
Frontal and lifted dozer blade	4,652 lb (2 110 kg)	2,646 lb (1 200 kg)
Lateral, open undercarriage	3,770 lb (1 710 kg)	2,183 lb (990 kg)

\* Indicates the hydraulic load limit.

The lifting capacity is based on the ISO 10567 and it does not exceed more than the 75% of static tipping load or more than the 87% of the hydraulic lifting capacity of the machine.



## STANDARD EQUIPMENT

### ENGINE

Yanmar 4TNV98CT diesel engine -  
Tier 4 Final/Stage V compliant  
Dry air filter with drain valve and electric  
anti-clogging indicator  
Glow plugs for cold weather starting  
Electronic proportional engine RPM control  
and auto-idle/shut-down  
Programmable hydraulically driven variable  
speed reversible cooling fan with  
automatic functionality

### ELECTRICAL

12-volt electrical system  
Heavy-duty battery  
Battery disconnect switch  
Auxiliary power socket next to operator  
Auxiliary power socket on roof for beacon  
Key start switch  
Horn  
Radio, Bluetooth, USB and Aux-in (cab only)  
Travel Alarm  
MyCASEConstruction Telematics  
Includes hardware and 7-yr data subscription

### UPPER STRUCTURE

Zero tail swing (with standard counterweight)  
Long arm with thumb bracket  
Pin-on bucket  
Swing boom  
Enclosed cab with ROPS/TOPS/FOPS Level 1  
LED worklights  
LED beacon  
Standard counterweight  
Bucket linkage with lifting hook  
Tilttable Cab (ROPS/TOPS – FOPS Level 1)

### HYDRAULICS

Variable displacement hydraulic pump  
High flow 1-/2-way auxiliary hydraulics (AUX1)  
Low flow 2-way auxiliary hydraulics (AUX2)  
Attachment quick coupler auxiliary hydraulics  
(2-way I double effect)  
Direct drain to tank auxiliary circuit  
On display control pattern change (ISO/SAE)  
Cylinder guard on boom and dozer  
blade cylinders  
Mineral based hydraulic oil and lubricants  
On display AUX1, AUX2, and AUX3 flow setup  
On display controls customized  
sensitivity setup  
AUX1 1-/2-way flow selection button

### UNDERCARRIAGE & TRACK DRIVE

18" steel shoes with rubber pad tracks  
Retractable tracks/undercarriage  
2-speed travel with auto shift up/down  
Fully hydrostatic drive system  
Sealed and lubricated track rollers  
Hydraulically adjustable track tensioner  
(with grease)  
Dozer blade with float

### OPERATOR ENVIRONMENT

Auto climate control A/C and heating  
Adjustable air suspension heated seat  
with seat belt  
Travel levers with foldable foot pedals  
Joystick steering functionality  
Electro-hydraulic controlled joystick and  
blade control lever  
Engine throttle dial  
7-inch LCD display with navigation console  
Warning light indicators  
Visual indicators  
Ignition key that opens all machine panel locks  
Operator's manual compartment  
Rear view camera  
Automatic courtesy light (in-cab/outside)  
Windshield wiper and washer  
2-piece overhead stowable windshield  
Slide right side window  
Adjustable arm rests  
Cup holder  
Footrests

### WARRANTY

Base warranty coverage: 2-Year/ 3,000-Hour  
Full Machine Limited Warranty

## OPTIONAL EQUIPMENT

### ELECTRICAL

Electric refuel pump with auto-stop function

### HYDRAULICS

Low flow 2-way auxiliary hydraulics (AUX2)  
AUX2 and AUX3 proportional control  
joysticks with switch button  
Object handling kit with hose burst check  
valves and overload indicator light  
Blade safety hose burst check valve  
High constant flow 1-way mulching  
head auxiliary hydraulics  
Automatic centralized lubrication  
Attachment quick couple auxiliary  
hydraulics (1-way I single effect)

### UNDERCARRIAGE & TRACK DRIVE

18" steel track shoes  
24" steel track shoes  
Rubber belt tracks  
6-way dozer blade with cutting edge, float  
and dual side foldable extensions

### OPERATOR ENVIRONMENT

Rear view mirrors

### UPPER STRUCTURE

Short arm with thumb bracket  
Full range of attachment quick couplers  
Full range of buckets  
Hydraulic thumb  
Biodegradable hydraulic oil and lubricants  
Anti-theft system  
Additional bolt-on counterweight  
Front protection guard (Level 2)  
Additional slide-in counterweight (Light)  
Additional bolt-on counterweight (Heavy)

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**Form No. CCE202512CX90E**

Replaces Form No. CCE202505CX90E

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CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

**CX90E**

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