



**YANMAR**

CRAWLER CARRIER

# **C30R-3**

[Gross] 34.3kW<46.0hp>



# Leading the Charge: The Revolutionary YANMAR Carrier

YANMAR's machinery integrates the latest technologies refined over its long history .  
Therefore, even in narrow and difficult-to-navigate urban construction sites, you can get  
the job done with astonishing ease and comfort. Give our highly efficient and agile carrier a try.







\* Pictures shown are for illustration purpose only. \* The images shown here are for promotional purposes.  
\* The image may differ from the actual model on sale. \* The machine in the picture is equipped with optional parts.  
\* When you leave the operator's seat, be sure to lower the dump bed and place the lock levers in the lock position.



# Details of C30R-3

## Features

### 180° turning dump bed

A dump bed that turns 90° to both the left and the right

Carry a heavy load at once  
Maximum payload of  
5512 lbs. (2500 kg)

Page 11

Large fully opening hood makes daily  
inspections and maintenance quick  
and easy

Page 13

Combining environmental  
performance with high output  
Electronic control common rail  
engine with DPF

Page 7

Revamped power line with  
a high power engine  
Dual pump, dual motor

Page 6

Durable steel bumper  
protects the machine



Protective structure that meets the international standard ROPS\*1/FOPS\*2 canopy

**Page 12**

Operation status and maintenance information is displayed in an easy-to-understand LED backlight LCD monitor

**Page 13**

Monitor the machine's location with the GPS communication system, SMARTASSIST-Remote

**Page 14**

Intuitive, easy and smooth operation

**Page 9**



**The standard dump bed**  
Designed with strength and durability in mind

Compact width for narrow passages

**Page 11**

Comfortable operator's area with plenty of leg room and a sliding seat

**Page 11**

Make subtle speed adjustments using the foot accelerator pedal

**Page 9**

\*The image shown here is for promotional purposes. The machine in the picture is equipped with optional parts. The image may differ from the actual model on sale.

When you leave the operator's seat, be sure to lower the dump bed and place the lock levers in the lock position.

\*1 ROPS: Roll-Over Protective Structure (A structure to protect the operator wearing a seat belt, in case the machine rolls over)  
\*2 FOPS: Falling Object Protective Structures.



# Fusion technology by merging the engine and new hydraulic systems. The result is significantly high performance.

An eco-friendly high power engine.

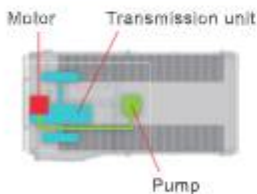
A new hydraulic system that distributes adequate fluid flow to the necessary parts.

The combination of these two technologies has led to amazing efficiency at the job-site.

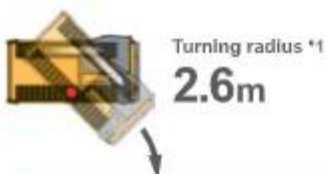
- Revamped power line with a high power engine
- Precision control and working efficiency has greatly improved.

Previous models

One pump/one motor + transmission unit

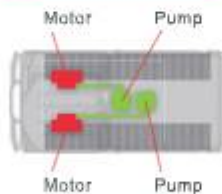


Using only one track to turn (Pivot turn)



C30R-3

Dual pump/ dual motor



Spinning both tracks in opposite directions to turn (Spin turn)



Spin turn with compact turning radius

Dual pump/ Dual motor

Since the crawlers on each side are driven independently, driving and turning performance have vastly improved compared to previous models. Also, without a transmission unit, the maintenance time has been greatly reduced.

An operation system common all over the world

Traveling forward/ back and turning can be done using one joystick, so subtle movements can be made in the most narrow places.

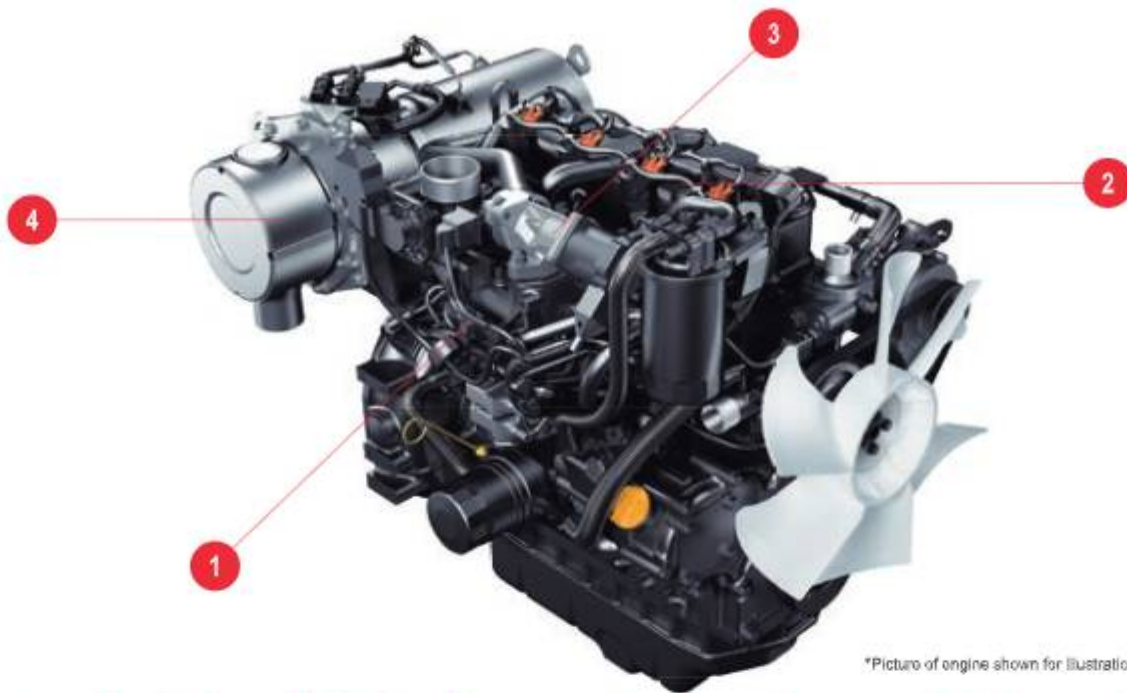


Speed sensing feature

The new hydraulic speed sensing feature increases work performance by controlling oil flow from the hydraulic pump depending on engine speed.

\*1 May differ depending on the payload and surface conditions etc. \*2 Measurement for the standard dump bod type.





\*Picture of engine shown for illustration purpose only.

## Equipped with an EPA Tier4 compliant environmental conscious YANMAR diesel engine

4TNV88C-KFW

**32.5kW** (Gross)

[ 22% increase power compared to previous models ]

DPF<sup>\*1</sup>

collect PM<sup>\*\*2</sup>(SOOT)



The minuscule amount of PM in the emissions gas is captured by the Diesel Particulate Filter (DPF), preventing its escape into the atmosphere and resulting in unparalleled environmental performance.

Three unique, automated regeneration technologies inhibit the development of soot.



\* A manual regeneration may be necessary depending on work conditions.

- 1 Common rail system: fuel injection controlled electronically
- 2 Direct fuel injection system: low emissions by increased combustion efficiency
- 3 Cooled EGR: reduced NOx by recycling exhaust gas
- 4 DPF (Diesel Particulate Filter): catches PM<sup>\*\*2</sup>
- 5 Auto deceleration switch
- 6 Eco mode switch



### Auto deceleration

If the operation lever stays in neutral for more than 4 seconds, the engine speed will automatically change to low idle. The engine speed will automatically revert to the original speed once the operation lever is moved.<sup>\*\*3</sup>

### Eco-mode function

Reduces fuel consumption by reducing the maximum engine speed by approximately 10%.

### Reduced exhaust gases

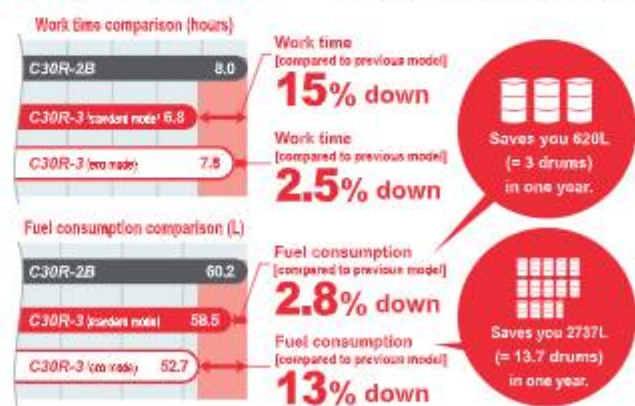


### High efficiency with low fuel consumption

Compared to previous models, work time is reduced and fuel efficiency is improved. Increased consecutive operating hours due to a larger fuel tank.

### Comparison of work time and fuel consumption for same amount of work<sup>\*\*4</sup>

Based on Yanmar's measurement method.



Requires less refueling compared to the previous model. The new model can work throughout the day without being refueled.

\*1. Diesel Particulate Filter (DPF) refers to the removal of particulate matter contained in exhaust emissions. \*\*2. Particulate Matter (soot etc.) \*\*3. Does not work when parking brake is not applied.

\*\*4. Outbound: 2.5t payload, return : empty, running for 8 hours. → Use YANMAR Genuine Diesel Engine Oil for the YANMAR machine engine provided with a DPF and possessing a common rail direct fuel injection.

# Precise, powerful and fast control with one joystick lever.



## Wrist control lever

With the proportional control system, the machine only moves as far as the joystick lever is pushed, and stops when the lever is let go.

Speed is controlled by moving the left joystick. Even beginners can easily get used to the smooth and intuitive controls, and work for long periods of time without wrist fatigue.





### Left joystick (travel operation)



You can move forwards or backwards, turn left or right, and easily switch\* between 1 speed & 2 speed with the dual speed switch.

\* When travelling at speed 2, the machine may automatically drop to speed 1 depending on the payload.

### Operator's station



Travel Automatic dual speed switch



### Right joystick lever (bed operation)



To prevent malfunctions, the operator must press the dump bed lock release switch to raise or lower the dump bed.

Dump bed lock release switch



Standard bed type



Turning bed type

Freely adjust the speed by adjusting the knob near the console or pressing the pedal on the floor.



### Dial-type accelerator knob

Use your hand to adjust the speed with this dial.



Front view

Rear view

### Accelerator pedal

Step on the pedal while using the joystick to make fine adjustments to speed.\*1

\*1 When adjusting using the accelerator pedal, set the accelerator knob to its lowest position. \* Pictures shown are for illustration purpose only. The images shown here are for promotional purposes. The machine in the picture is equipped with optional parts. The image may differ from the actual model on sale. When you leave the operator's seat, be sure to lower the dump bed and place the lock levers in the lock position.

# Stress-free work in any environment

Made up of many innovations, you can use this carrier comfortably even in small and difficult-to-navigate urban worksites. Test this machine's work efficiency in various environments!







Standard  
dump bed type

Dump angle  
**58°**

### Compact width

With a size much more compact than the 2t dump, small and narrow job-sites are no problem for this machine.



Standard dump  
bed type

**1590mm**

180° turning dump  
bed type

**1565mm**

### 180° turning dump bed type

Being able to dump on either side is a great advantage in narrow areas or for beginners. It also contributes to unnecessary travel which saves wear on the tracks.



Dump bed turning angle

Both left and right: **0~90°**

### Efficient dumping on either side of 180° turning dump bed type

With less dumping overhang, it enables efficient dumping work.



Overhang for dumping to the side **680mm**

### Leg room and reclining slide seat

With no brake pedal, there is more leg room compared to previous models. The angle and position of the seat can be adjusted so that the operator can sit and use the machine in a comfortable position.

Leg room

**564mm\*1**

Seat slide width

**72mm**

Leg room



### More power for traveling on slopes

Travel speed with a heavy load

**30% up\*2**

[Compared to previous models]

\*1 With seat at rearmost position \*2 Figures measured on a 10° slope with maximum payload. \* Pictures shown are for illustration purpose only. The images shown here are for promotional purposes. The machine in the picture is equipped with optional parts. The image may differ from the actual model on sale. When you leave the operator's seat, be sure to lower the dump bed and place the lock levers in the lock position.

# Functions for operator's safety and convenience



## ROPS\*1/FOPS\*2 canopy

A safety structure that meets international standards.  
 ROPS: Roll-Over Protective Structure  
 FOPS: Falling Object Protective Structure



## Reversible seat

The seat and levers rotate 180°, so you can always face the direction of travel.



## Parking brake and parking release switch

When you raise the parking brake, parking brake is automatically applied, preventing travel or dumping caused by inadvertent contact, and keeping you safe. Simply push the parking switch to release the brake.



## External power outlet (12V)

The 12V power socket can be used for recharging your cell phone etc.



## Beacon lamp (Option)

Switch on the beacon lamp to let people around know that the machine is in operation. It alerts and warns workers near the machine.



## External engine shut-off switch

In an emergency, you can immediately shut off the engine easily.



## Battery cut switch

Turning this switch OFF prevents the battery from going dead when the machine is to be kept in long-term storage.

\* Do not turn the battery cut switch off when the engine is running. It may cause damage or malfunction of the vehicle.



## Working lamp (Option)

This lamp behind the operator's seat lights up the dump bed allowing for safe operation.

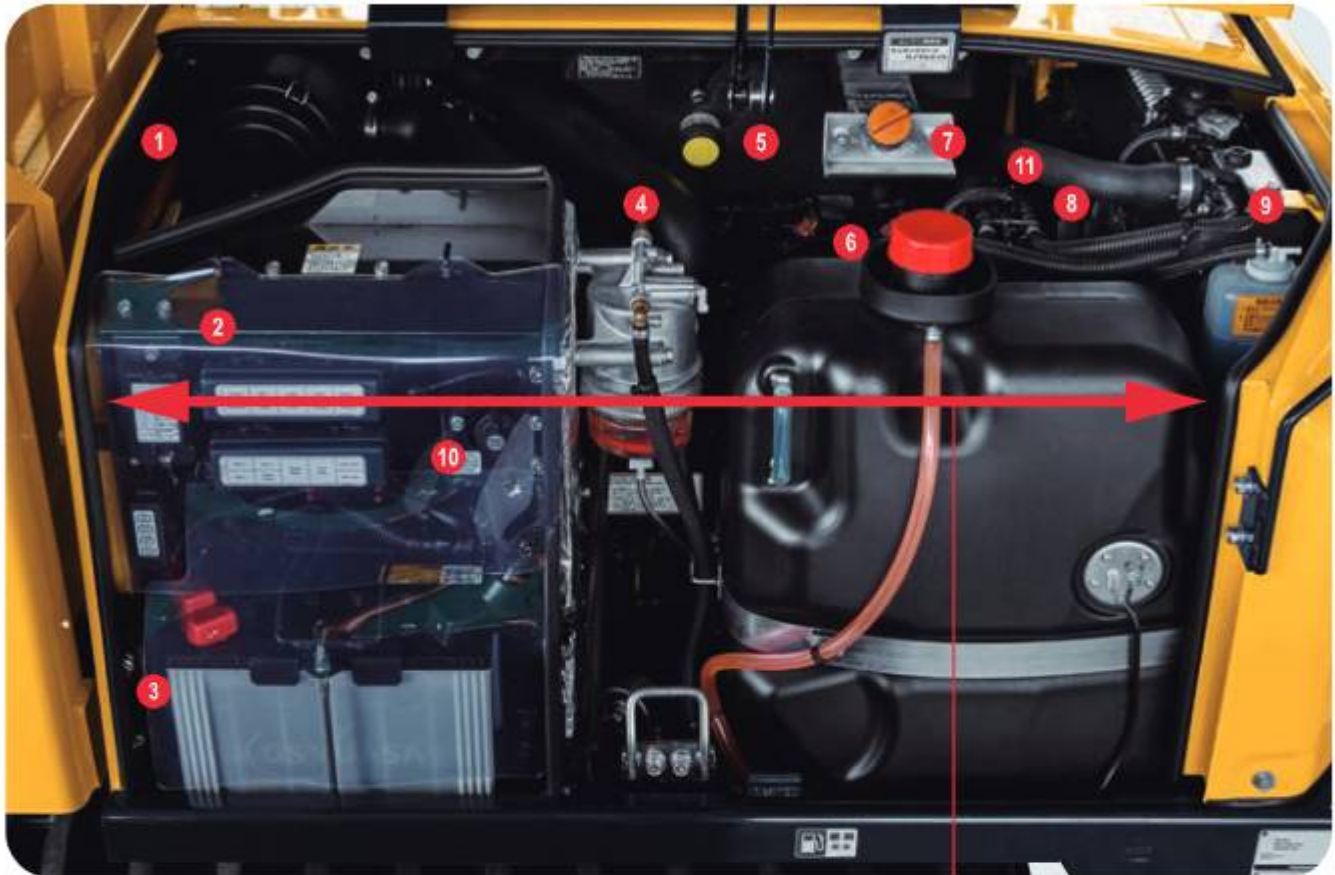


## Travel alarm(Option)

If the travel alarm switch is on, an alarm sounds when the parking brake is released warning people in the surrounding area.



# Quick and easy maintenance



## Fully opening hood

A large hood and organized layout means speedy daily inspections and maintenance

- |               |                          |                       |
|---------------|--------------------------|-----------------------|
| 1 Air cleaner | 5 Dust Indicator         | 9 Coolant sub-tank    |
| 2 Fuse box    | 6 Fuel supply port       | 10 Battery cut switch |
| 3 Battery     | 7 Engine oil supply port | 11 Fuel filter        |
| 4 Pre-filter  | 8 Fan belt               |                       |

## Hood width

680mm (previous model)

↓ 44% up  
(compared to previous model)

**980mm**



## Large (58L) fuel tank

A high capacity tank for less fuel stops.



## Storage space for grease gun and tools

All of the necessary tools and a grease gun\* can be stored here.

\*The grease gun in the photo is optional.

## Monthly operating time

Display up to 3 months



LED lamps

Menu switch

Function switches

## LED lamp display

- Warning lamp
- Caution lamp
- Information lamp
- High beam lamp
- Hydraulic oil temp. lamp
- Parking brake lamp
- High speed travel lamp
- Low speed travel lamp
- Battery charge lamp
- Engine oil pressure lamp

## LCD monitor with LED backlight

All of the necessary operating and maintenance information is displayed in a simple design. Lamps and buzzers notify you of any faults.

The machine in the picture is equipped with optional parts. The image may differ from the actual model on sale.




## ● Efficient use of machinery thanks to remote monitoring

Our construction equipment is equipped with GPS and communication terminals, allowing you to manage location information via the communication system. The system also lets YANMAR remotely monitor your machine, allowing us to keep on top of maintenance intervals, quickly identify machine trouble, and provide appropriate services and support at all times.




## ● Providing peace of mind, supporting your business




**Theft prevention tool**

The theft prevention feature emails you if the machine moves out of a pre-determined area.




**Error notification service**

Quickly identify location of error in the event of machine trouble.




**Maintenance management tool**

Manage inspection/ maintenance information.



**Operational status management tool**

Visualize operational status of machine.



**Work schedule creation tool**

Record work data and improve efficiency.

\*The contents displayed on the screen may differ.



## The Unsung Heroes Who Build Our Towns And Cities

You build the infrastructure and the foundations in our towns and cities.

Transforming the places where we stand today, into dreams of tomorrow.

You are the unsung hero.

The YANMAR mission is to provide machines and services that allow you to reach your full potential.

Built tough and with comfort in mind,

YANMAR Construction Equipment will help you get the job done with ease, regardless of the worksite.

When we make machines, we are dedicated to enabling you to perform at your best all of the time.

One example of this is our innovative True Zero Tail Swing Excavators that set the standard for safety and reliability, enabling operators to perform at their best in tight quarters.

YANMAR also manufactured the first compact diesel engines

and today we continue to make diesel engines ranging from 4 to 4,800 kW.

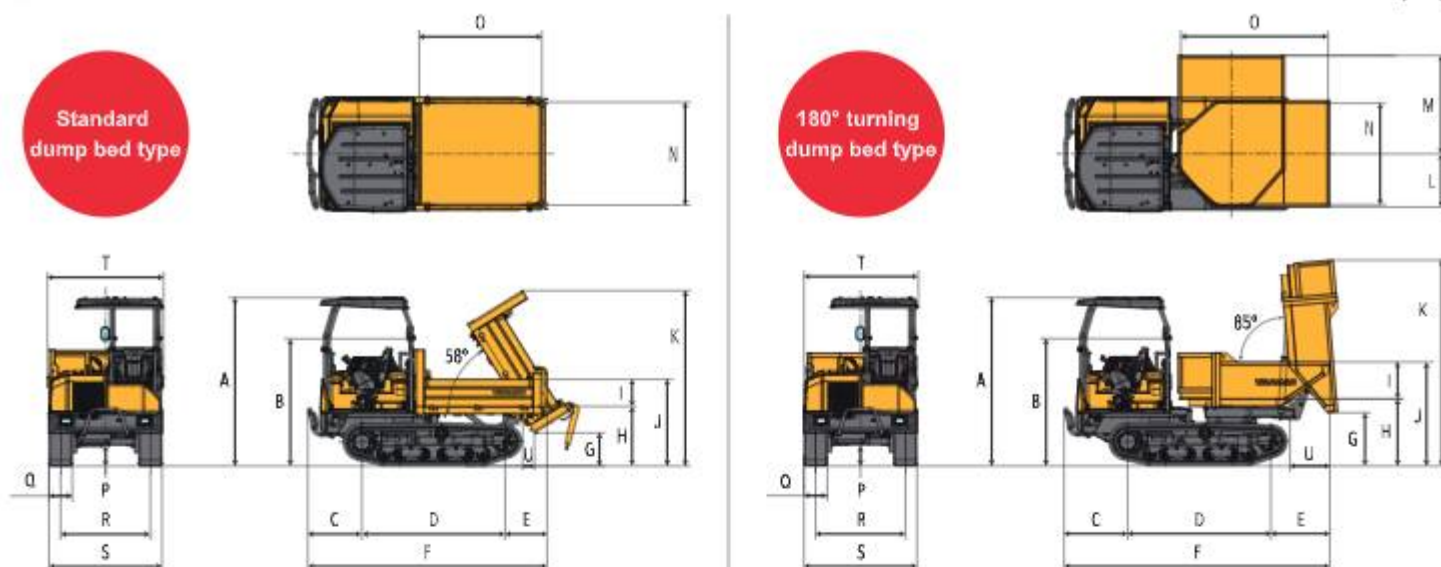
Equipped with advanced engines and hydraulic systems, our construction equipment delivers better fuel economy, increased productivity and enhanced operation.

**YANMAR is the driving force behind our unsung hero.**

**BEST PERFORMANCE BY YOUR SIDE**

## ● Dimensions

Unit: mm (ft-in)



		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
C30R-3	Standard dump bed type	2010(77)	1745(69)	740(29)	1090(43)	590(23)	3280(129)	455(18)	820(32)	370(15)	1190(47)	246(10)	-	-	141(6)	166(7)	255(10)	320(13)	1230(48)	1660(65)	159(6)	160(6)
	180° turning dump bed type			870(34)		810(32)	3640(143)	730(29)	920(36)	505(20)	1425(56)	282(11)	730(29)	1350(53)	188(8)	201(8)	280(11)					156(6)

## ● Specifications

Mass		180° turning dump bed type		Standard dump bed type	
Operating mass	kg / lbs.	2965 / 6517		2650 / 5843	
<b>Dimensions</b>					
Max. payload	kg (lbs.)	2500 (5513)			
Dump bed dimensions (L×W×H)	mm (in.)	2010(79) × 1390(55) × 605(24)		1685(66) × 1410(56) × 370(15)	
Dumping angle	degrees	85		58	
Dumping mechanism	side	180° turning		One-way dump type	
Dump clearance	mm (in.)	730(29)		455(18)	
Dump bed capacity	Heaped	m³ (cu.ft.)	1.50 / 63.0	1.24 / 43.8	
	Struck	m³ (cu.ft.)	1.13 / 39.9	0.88 / 31.1	
Traveling speeds	Forward	km/h (MPH)	Low speed: 0 to 5.7 (0 to 3.5) High speed: 0 to 11 (0 to 6.8)		
	Reverse	km/h (MPH)	Low speed: 0 to 5.7 (0 to 3.5) High speed: 0 to 11 (0 to 6.8)		
Track width	mm (in.)	320 (13)			
Min. ground clearance	mm (in.)	280 (11)		265 (10)	
Average ground pressure (Dump bed is empty / Dump bed is full)	kPa (kgf/cm²) [PSI]	29.8/55.7 (0.30/0.57) [4.3/8.1]		27.5/53.5 (0.28/0.55) [4.0/7.8]	
Minimum turning radius	mm (in.)	230 (9.0)		2100 (82.7)	
Hydraulic tank	L (US gal)	28 (7.4)			
Hydraulic system	L (US gal)	40 / 10.6		38 / 10	
Fuel tank	L (US gal)	58 (15.3)			
<b>Engine</b>					
Type	Vertical four-cylinder water-cooled direct injection diesel engine				
Model	4TNV28C-KFW				
Output (Gross)	kW/min¹ (HP/rpm)	34.3 / 46.0 (2800)			
Output (NET)	kW/min¹ (HP/rpm)	32.5 / 43.6 (2800)			
Displacement	L (cu.in.)	2.189 / 133.6			
Cooling system	Water-cooled				
Hydraulic System	Pump (for dump)	Gear			
	Control valve	Single spool, hydraulic control			
	Pilot pump displacement	cm³/rev (cu.in.)	8.1 / 0.49		
	Relief valve pressure	N/ps (PSI)	17.2 / 2495	20.6 / 2988	

## ● Equipment list

Standard equipment... ● / Option... ○

	Item	Standard / Option	
ROPS/FOPS	ROPS, FOPS canopy	●	
	Operation space	Reversible seat	●
		Seat belt	●
		Travel Automatic dual speed switch	●
		Dump bed lock release switch	●
		Light switch (head light)	●
		Parking switch	●
	Alarm	DPF manual regeneration switch	●
		Engine stop switch	●
		Battery cut switch	●
		Travel alarm	○
		Visibility	Head light
Rear view mirror (hood, Canopy)			●
Controls	Lock lever	●	
	Engine control dial	●	
	Accelerator pedal	●	
	Travel lever	●	
	Dump bed control lever	●	
	Mechanism	Eco mode	●
Auto deceleration		●	
Others	12 V external power socket	●	
	Beacon lamp	○	
	Working lamp	○	
	LED backlight LCD monitor	●	
	SMARTASSIST-Remote	●	
	Storage space for grease gun and tools	●	
	Air cleaner double element	○	

## YANMAR CONSTRUCTION EQUIPMENT CO., LTD.

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All data subject to change without notice.