

# PRODUCT SPECIFICATIONS FOR 730 BARE CHASSIS



## ENGINE

Engine Model	Cat® C13
Gross Power - SAE J1995	280 kW
Net Power - SAE J1349	274 kW
Bore	130 mm
Stroke	157 mm
Displacement	12.5 l
Net Power - ISO 14396	276 kW
Peak Engine Torque Speed	1200 r/min
Peak Engine Torque Gross (SAE J1995)	2141 N·m
Peak Engine Torque Net (SAE J1349)	2107 N·m
No Engine De-rating Required Below	3810 m
Engine Model - U.S. EPA Tier 4 Final/EU Stage IV	Cat® C13

## WHEEL BASE LENGTH

Standard Wheel Base	3979 mm
Long Wheel Base	5465 mm

## WEIGHTS

Rated Payload	35.3 t
---------------	--------

## TRANSMISSION

<b>Forward - 1</b>	8 km/h
<b>Forward - 2</b>	15 km/h
<b>Forward - 3</b>	22 km/h
<b>Forward - 4</b>	34 km/h
<b>Forward - 5</b>	47 km/h
<b>Forward - 6</b>	55 km/h
<b>Reverse - 1</b>	9 km/h

## SERVICE REFILL CAPACITIES

<b>Fuel Tank</b>	412 l
<b>Cooling System</b>	83 l
<b>Hydraulic System</b>	110 l
<b>Engine Crankcase</b>	38 l
<b>Transmission</b>	47 l
<b>Final Drives/Differential</b>	125 l
<b>Output Transfer Gear Box</b>	24 l
<b>DEF Tank</b>	20 l

## SOUND LEVELS

<b>Interior Cab</b>	72 dB(A)
---------------------	----------

## STANDARDS

<b>Brakes</b>	ISO 3450:2011
---------------	---------------

**Cab - FOPS**

ISO 3449:2005 Level II

**Cab - ROPS**

ISO 3471:2008

**Steering**

ISO 5010:2019

## STEERING

**Lock to Lock**

4.75 seconds @ 60 rpm

## TURNING CIRCLE

**Turning Dimensions - Inside Radius**

3879 mm

**Turning Dimensions - SAE Turning Radius**

7470 mm

**Turning Dimensions - Aisle Width**

5332 mm

**Turning Dimensions - Clearance Radius**

8075 mm

**Turning Dimensions - Steer Angle -  
Left/Right**

45 °

**Note**

Dimensions are for machines equipped with 23.5 R25 tires.

## 730 BARE CHASSIS STANDARD EQUIPMENT

**FOR MORE INFORMATION ON 730 BARE CHASSIS OPTIONS, PLEASE CONTACT CATERPILLAR OEM SOLUTIONS AT [OEM\\_SOLUTIONS@CAT.COM](mailto:OEM_SOLUTIONS@CAT.COM).**

### NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

## OPERATOR ENVIRONMENT

Windshield wiper and washer, two speed (rear)

Storage:

- Cup holder
- Flask receptacle
- Under seat storage
- Door pocket
- Behind operator seat storage
- Coat hook

Mirrors: extensive arrangement for improved visibility

Windshield wiper and washer, two speed, intermittent (front)

Liquid Crystal Display (LCD):

- Alert indicator
- Selected gear and direction
- Speed or auto shift
- Review Operation and Maintenance Manual (OMM)
- Primary steering failure warning
- Seat belt warning
- Secondary steering failure warning
- Diesel Particulate Filter (DPF) regeneration filter
- Machine Security System (MSS) ready
- Secondary steering energy source engaged
- Hour meter
- Retarder active

Secondary steering - electro hydraulic

Tilt and telescopic steering wheel

Combined gear selection and hoist control lever

Adjustable air vents

Sun visor

Retractable belt: Operator seat and second seat

Touchscreen display incorporating the rearview camera video feed

Heater and defroster with four-speed fan

Air conditioning with R134A refrigerant

Windows opening both sides, tinted

Machine operation monitoring system includes:

- Action lamp
- Engine oil pressure
- Primary steering system
- Left and right turn signal
- High beam
- Coolant temperature
- Tachometer
- Parking brake
- Fuel level
- Transmission oil temperature
- Brake system
- Transmission hold
- Hoist control
- Hydraulic system
- Charging system
- Retarder
- Transmission fault
- Traction control system
- Check engine lamp

Glass windows:

- Front, laminated and tinted
- Sides and rear, toughened and tinted

Seats:

- Operator: fully adjustable, air suspension
- Trainer: padded with lap belt

## **CAT TECHNOLOGIES**

Cat Detect with Stability Assist

[Product Link](#)

## **ELECTRICAL AND LIGHTING**

Remote starting receptacle (cables not included)

Horn

Batteries (two) maintenance free

Main disconnect switch

Lighting systems:

- Cab interior
- Two head lamps
- Two width marker
- Two reversing
- Work light/cab access light
- Two stop/tail lights
- Front and rear direction indicators

Electrical system: 24-volt, 5A 24- to 12-volt converter

## **POWERTRAIN**

Retarder: engine compression brake  
Dual circuit oil immersed, enclosed brakes – all wheels  
Cat C13 engine  
Differentials: standard with automatic clutched inter- and cross-axle differential locks  
Cat Clean Emission Module (CEM) and exhaust aftertreatment package  
Auto shift six-speed forward and single speed reverse transmission  
Three axle, six-wheel drive

## **SAFETY**

ROPS/FOPS cab  
Rearview camera  
Reverse alarm

## **GUARDS**

Rear window  
Radiator  
Crankcase  
Axle

## **OTHER STANDARD EQUIPMENT**

Sound suppression (only standard in Europe)  
S-O-S sampling valves  
Vandalism protection: lockable caps  
Tires, six 23.5R25

## **730 BARE CHASSIS OPTIONAL EQUIPMENT**

### **NOTE**

Standard and optional equipment may vary. Consult your Cat dealer for details.

### **OPTIONAL EQUIPMENT**

Exhaust heated body  
Product Link Elite: PLE641 (cellular). Product Link is optional.  
Engine block heater  
Cold weather start attachment  
Cold weather coolant -51° C (-60° F)  
Bare chassis (no body) standard wheel base  
Four-point seat belt  
Infrared glass – high ambient cab  
Flashing LED beacon  
Heated/cooled seat  
Window blinds  
Sound suppression (only standard in Europe)  
Wheel chocks  
Machine Security System (MSS)

Roof mounted High Intensity Discharge (HID) work lights  
Bluetooth radio stereo system  
Heated rearview motorized mirrors  
Cat Production Measurement payload monitoring system  
Fast fuel fill  
Ether start  
Auto lube installation for automatic greasing of bearings  
Fuel additive – anti-waxing