

Product Specifications For 725



Engine

Engine Model	Cat® C13B
Gross Power (SAE J1995)	263 kW
Net Power (SAE J1349)	257 kW
Engine Power (ISO 14396)	259 kW
Bore	130 mm
Stroke	157 mm
Displacement	12.5 l
Note (1)	Advertised power is tested at 1,700 rpm.
Note (2)	Advertised power is tested per the specified standard in effect at the time of manufacture.
Note (3)	The net power advertised is the power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler, and fan at minimum speed.
Note (4)	Net power when the fan is at maximum speed is 257 kW (345 hp) per the SAE reference conditions.
Note (5)	Meets U.S. EPA Tier 4 Final/EU Stage V, Japan 2014, and Korea Stage V emission standards.
Note (6)	Diesel exhaust fluid (DEF) used in Cat SCR systems must meet the requirements outlined in ISO 22241-1. ISO 22241-1 requirements are met by many brands of DEF, including those that carry the AdBlue or API certifications.

No Engine De-rating Below	3810 m
Peak Engine Torque Gross (SAE J1995)	1941 N·m
Peak Engine Torque Net (SAE J1349)	1712 N·m
Peak Engine Torque Speed	1200 r/min

Weights

Rated Payload	24 t
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Body Capacities

Heaped (SAE 2:1)	15 m ³
Struck	11.5 m ³
Tailgate Heaped SAE 2:1	15.9 m ³
Tailgate Struck	12 m ³

Transmission

Forward - 1	8 km/h
Forward - 2	15 km/h
Forward - 3	22 km/h
Forward - 4	34 km/h
Forward - 5	47 km/h
Forward - 6	55 km/h

Sound Levels

Note (1)	The declared dynamic operator sound pressure level is 69±2 dB(A) when "ISO 6396:2008" is used to measure the value for an enclosed cab. The measurement was conducted at 70% of the maximum cooling fans speed. The sound level may vary at different cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.
Note (2)	Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environments.

Operating Weights

Front Axle - Empty	14260 kg
Center Axle - Empty	4540 kg
Rear Axle - Empty	4310 kg
Total - Empty	23110 kg
Front Axle - Rated Load	2524 kg
Center Axle - Rated Load	10738 kg
Rear Axle - Rated Load	10738 kg
Total - Rated Load	24000 kg
Front Axle - Loaded	16784 kg
Center Axle - Loaded	15278 kg
Rear Axle - Loaded	15048 kg
Total - Loaded	47110 kg

Body Plate

Type

High strength Brinell HB450 wear resistant steel

Body Plate Thickness

Front Plate	7 mm
Base Plate	13 mm
Side Plates	11 mm
Scow	13 mm

Service Refill Capacities

Fuel Tank	400 l
Cooling System	83 l
Steering/Hoist Hydraulic System	123 l
Engine Crankcase	43 l
Transmission	47 l
Output Transfer Gear Box	25 l
Final Drive - Each	125 l
DEF Tank	34 l

Body Hoist

Raise Time	12 s
Lower Time	8 s

Standards

Brakes	ISO 3450 – 2011
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Cab - FOPS	ISO 3449 - 2005 Level II
Cab - ROPS	ISO 3471 – 2008
Steering	ISO 5010 – 2019

Turning Circle

Turning Dimensions - Steer Angle - Left/Right	45°
Turning Dimensions - SAE Turning Radius	7470 mm
Turning Dimensions - Clearance Radius	8075 mm
Turning Dimensions - Inside Radius	3879 mm
Turning Dimensions - Aisle Width	5332 mm
Note	Dimensions are for machines equipped with 23.5R25 tires.

Steering

Lock to Lock	4.75 seconds @ 60 rpm
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Optimal Loader/Truck Pass Matching

Hydraulic Excavators: 350/352 - Passes	5-Apr
Hydraulic Excavators: 336 - Passes	6-May
Wheel Loaders: 972/972 XE - Passes	4-Mar
Wheel Loaders: 966/966 XE - Passes	4

Wheel Loader: 962 - 5-Apr
Passes

Wheel Loader: 950 - 5
Passes

Note An optimum system match gives you a major productivity advantage. The 725 is an excellent match for the Cat 350/352 and 336 Hydraulic Excavators and Cat 972, 966, 962, and 950 Wheel Loaders. Having matched loading and hauling tools results in increased production and lower system costs per unit of volume moved.

725 Standard Equipment

NOTE

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

OPERATOR ENVIRONMENT

Seats:

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

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

Touchscreen display incorporating the rearview camera video feed

Retractable belt: Operator seat and second seat

Sun visor

Mirrors: exterior

Adjustable air vents

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

Tilt and telescopic steering wheel

Combined gear selection and hoist control lever

Glass windows:

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

Air conditioning

Secondary steering – electro hydraulic

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
- Secondary steering energy source engaged
- Hour meter
- Retarder active

Heater and defroster with four-speed fan

Storage:

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

Windows opening both sides, tinted

TECHNOLOGY

Cat® Detect with Stability Assist
Product Link Cellular PLE643

ELECTRICAL AND LIGHTING

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

Main disconnect switch

Batteries (two) maintenance free

Horn

Remote starting receptacle (cables not included)

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

POWERTRAIN

Three axle, six-wheel drive

Dual circuit oil immersed, enclosed brakes – all wheels

Retarder: engine compression brake

Cat C13B engine

Clean Emission Module (CEM) and exhaust aftertreatment package

Auto shift six-speed forward and single speed reverse transmission

Differentials: standard with automatic clutched inter- and cross-axle differential locks

SAFETY

Reverse alarm

Rearview camera

Rollover protective structure/falling objects protective structure (ROPS/FOPS) cab

GUARDS

Radiator

Crankcase

Rear window

Front dump body spill guard, integral part of fabricated body

OTHER STANDARD EQUIPMENT

S·O·S sampling valves

Mud flaps: wheel arch and body mounted with transportation tiebacks

Vandalism protection: lockable caps

Tires, six 23.5R25

Sound suppression (standard in some countries*)

–*Countries are EU countries plus Iceland, Norway, Lichtenstein, Switzertland, Türkiye and UK.

725 Optional Equipment

NOTE

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

OPERATOR ENVIRONMENT

Infrared glass – high ambient cab

Mirrors, heated motorized

Radio, Bluetooth® stereo system

Seat, heated/cooled

Seat belt, four-point

Window blinds

Windshield wiper and washer, single-speed (rear)

TECHNOLOGY

Operator Coaching

Cat® Payload monitoring system

Product Link Dual PLE683

ELECTRICAL AND LIGHTING

Cold weather start attachment (2 additional batteries)

Engine block heater

Ether start

Flashing LED beacon

Roof mounted LED work lights

OPTIONAL EQUIPMENT

Auto lube installation for automatic greasing of bearings

Fuel additive – anti-waxing

Bare chassis (no body) standard wheel base

Cold weather coolant –51° C (–60° F)

Scissor tailgate

Wheel chocks

Fast fuel fill

Body liners

Exhaust heated body