

# 725

## ARTICULATED TRUCK



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|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Gross Power</b>      | 255 kW (342 hp)                     |
| <b>Operating Weight</b> | 24 tonnes (26.5 tons) Rated Payload |

Meets U.S. EPA Tier 4 Final/EU Stage V, Japan 2014, and Korea Stage V emission standards.





The Cat® 725 raises the bar for operator efficiency in the toughest conditions. With about half the necessary operator input, improved comfort and performance features, the 725 line of articulated trucks will set a new pace for productivity and profit in your operation.

# THE CAT® 725

RAISING THE BAR



## NEXT-GENERATION ARTICULATED TRUCKS

Caterpillar engineered its line of articulated trucks, leveraging operator feedback from around the world to enhance its world-class cab design.

- + INTUITIVE CONTROLS
- + MACHINE PROTECTION SYSTEMS
- + STANDARD OPERATOR COMFORT FEATURES
- + STANDARD ROLLOVER PROTECTION SYSTEM

Cat articulated trucks are ready to boost your business, providing innovative ways to get more work done.



## OPERATOR REQUIRES UP TO 50% LESS INPUT\*

The Cat 725 is designed for easier operation and control, with a combined hoist/transmission lever that also incorporates the park brake.

## INTERIOR SPACE INCREASED BY 20%\*

Redesigned cab increases glass area with ample storage space to prevent clutter.

## PRODUCTIVITY INCREASED UP TO 7%\*

Experience 8% improved acceleration and 9% increased speed on grades, resulting in quicker haul cycles and enhanced productivity.

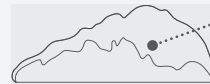
\*All comparisons made to previous model

# PILE UP THE SAVINGS

GENERATE **ADDITIONAL  
TONS PER HOUR** WITH  
QUICKER HAUL CYCLES.



1 WEEK



1 MONTH



1 YEAR



5 YEARS

Illustration shows potential accumulation in tons per hour over time.







### COMFORT AND CONTROL

Simplified operation with multi-function hoist/transmission lever, more interior space, improved visibility, and a cab that's four times quieter.



### EMISSIONS

Meets emission standards for the U.S., Canada, EU, Korea, and Japan. Controls particulate matter with the standard Cat Clean Emissions Module (CEM) and exhaust aftertreatment package. Activate Eco mode for additional fuel savings.



### DURABILITY

Advanced suspension allows higher speed over rough terrain. Frames are robot-welded for maximum durability, and all structures and components are proven through experience and testing.



### PERFORMANCE

Advanced Automatic Traction Control (AATC) delivers maximum traction and increased productivity. Improved acceleration and increased speed performance on grades is also achieved with 2F start.



# DESIGNED FOR OPERATORS, BY OPERATORS



## SAFETY

Cat Detect with stability assist gives the operator an audible and visual alert if the front or rear of the machine approaches an unsafe angle. Fully Automatic Retarder Control (ARC) controls speed when operating down grades.



## CAB

World-class cab design with automatic climate controls, greater visibility, more storage, four times quieter cab, and 20% more interior space.



## TRACTION

AATC is a terrain-based system that proactively applies differential locks to avoid wheel spin, protecting tires from unnecessary wear and increasing traction and efficiency. AATC proactively senses slope, grades, and acceleration rates.



## FUEL

Next generation design has the ability to improve fuel economy. With one button, optional Eco mode can reduce fuel use up to 5%.



## INSTRUMENTS

Well-lit gauges. Touchscreen for easy monitoring and adjustment of systems (with real-time load weights).



## CONTROLS

Combined hoist/transmission lever incorporates park brake. Machine speed limiter and waiting brake can be selected from the lever.



## OPERATOR ENVIRONMENT

HELPING TO MAKE YOUR JOB EASIER AND MORE COMFORTABLE





A QUIET, SAFE WORKSPACE

# BUILDS OPERATOR CONFIDENCE

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## VISIBILITY

- Redesigned cab with increased glass area improves rear-quarter visibility
- Cab-mounted mirrors for reduced vibration and improved visibility
- Integrated payload lights

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## ENVIRONMENT

- Quieter, more spacious cab
- Automatic climate control
- Ample storage in cab

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## OPERATION

- Simple, intuitive controls and displays
- Touchscreen for easy monitoring and control
- Sliding windows for better communication and ventilation



MAXIMIZING OPERATOR EFFICIENCY

# IN THE TOUGHEST CONDITIONS

- + DURABLE SUSPENSION FOR GREATER SPEED OVER ROUGH TERRAIN
- + MACHINE PROTECTION SYSTEMS
- + OSCILLATING FRONT SUSPENSION FOR A SMOOTH RIDE
- + ROBOT-WELDED FRAMES FOR MAXIMUM DURABILITY
- + DIRECTIONAL SHIFT PROTECTION FOR POWERTRAIN
- + MACHINE WAKE UP
- + LOW-PROFILE EXHAUST STACK ELIMINATES THE NEED FOR REMOVAL TO TRANSPORT
- + RE-ENGINEERED CAB USING GLOBAL FEEDBACK FOR EASIER OPERATION
- + EASIER TO OPERATE – SUITED FOR A WIDE RANGE OF OPERATOR EXPERIENCE





# INTEGRATED TECHNOLOGIES

## SOLUTIONS TO MAKE WORK EASY AND EFFICIENT

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Cat Equipment Management telematics technology helps take the complexity out of managing your jobsites – by gathering data generated by your equipment, materials, and people and serving it up to you in customizable formats.



### VISIONLINK®

VisionLink® takes the guesswork out of managing your entire fleet – regardless of size or equipment manufacturer.\* Review equipment data from your desktop or mobile device to maximize uptime and optimize assets. With interactive dashboards, VisionLink makes it easier for operations of all sizes to make informed decisions that lower costs, simplify maintenance, and improve safety and security on your jobsite. With different subscription-level options, your Cat dealer can help you determine what you need to connect your fleet and manage your business.

The Productivity features of VisionLink® is an easy-to-use cloud-based platform that gathers and summarizes machine telematics and jobsite data from all your equipment – regardless of the manufacturer.\* Actionable information such as idle time, fuel burn, location, payload, load counts, total cycles, and more are transmitted to the web platform for users to access anywhere via a mobile, tablet, or desktop device – on or off the jobsite.

\* Data field availability can vary by equipment manufacturer. VisionLink® subscription required. Availability may vary by region, consult your Cat dealer for more details.



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### INTEGRATED REARVIEW CAMERA

Cat articulated trucks provide a standard integrated camera within the operator station. The camera provides a clear view of what's behind the machine, helping operators to be more aware of their surroundings. This system includes a high-definition camera mounted at the rear of the machine and a touchscreen display inside the cab.





# MAXIMIZE UPTIME AND REDUCE COSTS

## SERVICEABILITY



### LONG SERVICE INTERVALS

Oil change intervals, volumes, and the type of oil required will help lower maintenance costs and machine downtime.

### EXTENDED LIFE COOLANT

Extended Life Coolant extends the change interval and improves component life by reducing corrosion.

### LUBRICATION POINTS

Lubrication points are grouped in the hitch area for ease of servicing. Universal joints are lubed for life, eliminating any maintenance. An autolube system is also optional and now includes alerts via Product Link for low grease levels.

### ELECTRICAL SERVICE CENTER

Located inside the cab, the electrical service center provides a power port, diagnostic connector and Cat Data Link connector.

### RADIATOR

The radiator package is located behind the cab, which provides protection from frontal impacts and offers easy access to the inlet and outlet sides of the radiator.

### SERVICE ACCESS

The cab tilts to the side to provide easy access underneath, which simplifies access to the transmission, drive shafts and hydraulic pumps. Machine electrical and hydraulic interfaces are located on the external right-hand side of the cab behind a removable body panel, providing easy access.

### SERVICE POINTS

Service points are mounted on the left-hand side of the engine under the electrically raised hood:

- + ENGINE DIPSTICK AND FILL CAP
- + TRANSMISSION DIPSTICK AND FILL CAP
- + AIR CLEANER, FUEL WATER SEPARATOR AND FUEL FILTERS
- + ELECTRICALLY OPERATED FUEL-PRIMING PUMP
- + COOLANT LEVEL INDICATOR AND FILL CAP ARE OUTSIDE THE CAB



# TECHNICAL SPECIFICATIONS

See [cat.com](http://cat.com) for complete specifications.

| ENGINE                                    |           |                       |
|---|-----------|-----------------------|
| Engine Model                              | Cat® C9.3 |                       |
| Gross Power (SAE J1995)                   | 255 kW    | 342 hp                |
| Net Power (SAE J1349)                     | 249 kW    | 334 hp                |
| Engine Power (ISO 14396)                  | 252 kW    | 338 hp                |
| Bore                                      | 115 mm    | 4.5 in                |
| Stroke                                    | 1149 mm   | 45.2 in               |
| Displacement                              | 9.3 L     | 567.5 in <sup>3</sup> |
| No Engine Derating Below                  | 914 m     | 3,000 ft              |
| Peak Engine Torque Gross (SAE J1995:2014) | 1729 N·m  | 1,275 lbf·ft          |
| Peak Engine Torque Net (SAE J1349:2011)   | 1712 N·m  | 1,263 lbf·ft          |
| Peak Engine Torque Speed                  | 1,200 rpm |                       |

- Advertised power is tested at 1,700 rpm.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler, and fan at minimum speed.
- Net power when the fan is at maximum speed is 249 kW (334 hp) per the SAE reference conditions.
- Meets U.S. EPA Tier 4 Final/EU Stage V, Japan 2014, and Korea Stage V emission standards.
- Diesel exhaust fluid (DEF) used in Cat SCR systems must meet the requirements outlined in ISO 22241-1:2006. ISO 22241-1 requirements are met by many brands of DEF, including those that carry the AdBlue or API certifications.

| WEIGHTS       |           |           |
|---------------|-----------|-----------|
| Rated Payload | 24 tonnes | 26.5 tons |

| BODY CAPACITIES |                   |                      |
|-----------------|-------------------|----------------------|
| Heaped SAE 2:1  | 15 m <sup>3</sup> | 19.6 yd <sup>3</sup> |
| Struck          | 11 m <sup>3</sup> | 14.4 yd <sup>3</sup> |

| TRANSMISSION |           |          |
|--------------|-----------|----------|
| Forward 1    | 8.1 km/h  | 5.0 mph  |
| Forward 2    | 15.2 km/h | 9.4 mph  |
| Forward 3    | 23.2 km/h | 14.4 mph |
| Forward 4    | 35.5 km/h | 22.1 mph |
| Forward 5    | 49.4 km/h | 30.7 mph |
| Forward 6    | 58.4 km/h | 36.3 mph |
| Reverse 1    | 8.9 km/h  | 5.5 mph  |

| STANDARDS                                      |                        |
|--|------------------------|
| Brakes   | ISO 3450:2011          |
| Cab/falling object protective structure (FOPS) | ISO 3449:2005 Level II |
| Cab/rollover protective structure (ROPS)       | ISO 3471:2008          |
| Steering                                       | ISO 5010:2019          |

| SOUND LEVELS |            |
|--------------|------------|
| Interior Cab | 69±2 dB(A) |

- 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 fan's 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.
- 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       | 14 050 kg | 30,974 lb  |
| Center Axle – Empty      | 4646 kg   | 10,242 lb  |
| Rear Axle – Empty        | 4426 kg   | 9,757 lb   |
| Total – Empty            | 23 122 kg | 50,975 lb  |
| Front Axle – Rated Load  | 2500 kg   | 5,511 lb   |
| Center Axle – Rated Load | 10 750 kg | 23,699 lb  |
| Rear Axle – Rated Load   | 10 750 kg | 23,699 lb  |
| Total – Rated Load       | 24 000 kg | 52,910 lb  |
| Front Axle – Loaded      | 16 549 kg | 36,484 lb  |
| Center Axle – Loaded     | 15 397 kg | 33,944 lb  |
| Rear Axle – Loaded       | 15 176 kg | 33,457 lb  |
| Total – Loaded           | 47 122 kg | 103,886 lb |

| BODY PLATE THICKNESS |       |         |
|----------------------|-------|---------|
| Front Plate          | 7 mm  | 0.28 in |
| Base Plate           | 13 mm | 0.51 in |
| Side Plates          | 11 mm | 0.43 in |
| Scow Plate           | 13 mm | 0.51 in |

| SERVICE REFILL CAPACITIES       |            |            |
|---------------------------------|------------|------------|
| Fuel Tank                       | 412.0 L    | 91.0 gal   |
| Cooling System                  | 83.0 L     | 18.0 gal   |
| Steering/Hoist Hydraulic System | 110.0 L    | 24.0 gal   |
| Engine Crankcase                | 38.0 L     | 8.0 gal    |
| Transmission                    | 47.0 L     | 10.0 gal   |
| OTG                             | 24.0 L     | 5.0 gal    |
| Final Drives (each)             | 7.5 L      | 1.6 gal    |
| Axles (each)                    | 26/28/26 L | 6/8/08 gal |
| Diesel Exhaust Fluid (DEF) Tank | 20.0 L     | 4.0 gal    |

| BODY HOIST |            |
|------------|------------|
| Raise Time | 10 Seconds |
| Lower Time | 8 Seconds  |

| AIR CONDITIONING SYSTEM   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.</li> <li>• If equipped with R134a (Global Warming Potential = 1430), the system contains 1.1 kg (2.4 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 1.716 metric tonnes (1.891 tons).</li> </ul> |  |



# STANDARD & OPTIONAL EQUIPMENT

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

| OPERATOR ENVIRONMENT  | STANDARD | OPTIONAL |
|---|----------|----------|
| Air conditioning  | •        |          |
| Combined gear selection and hoist control lever   | •        |          |
| Liquid Crystal Display (LCD)  | •        |          |
| Mirrors, exterior   | •        |          |
| Mirrors, heated motorized   |          | •        |
| Machine operation monitoring system   | •        |          |
| Radio, Bluetooth® stereo system   |          | •        |
| Seats: operator – fully adjustable, air suspension, retractable lap belt; trainer – padded with retractable lap belt  | •        |          |
| Seat, heated/cooled   |          | •        |
| Seat belt, four-point   |          | •        |
| Secondary steering – electro hydraulic  | •        |          |
| Sun visor   | •        |          |
| Tilt and telescopic steering wheel  | •        |          |
| Touchscreen display incorporating the rearview camera video feed  | •        |          |
| Windshield wiper and washer, two speed, intermittent (front)  | •        |          |
| TECHNOLOGY  | STANDARD | OPTIONAL |
| Machine Security System (MSS)   |          | •        |
| Cat® Payload monitoring system  |          | •        |
| Product Link Cellular PLE643  | •        |          |
| Cat Detect with Stability Assist  | •        |          |
| Product Link Dual PLE683  |          | •        |
| ELECTRICAL AND LIGHTING   | STANDARD | OPTIONAL |
| Batteries (two) maintenance-free  | •        |          |
| Cold weather start attachment   |          | •        |
| Engine block heater   |          | •        |
| Ether start   |          | •        |
| Electrical system: 24-volt, 5A 24- to 12-volt converter   | •        |          |
| Flashing LED beacon   |          | •        |
| 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 | •        |          |
| Main disconnect switch  | •        |          |
| Roof mounted LED work lights  |          | •        |

| POWERTRAIN   | STANDARD | OPTIONAL |
|--|----------|----------|
| Auto shift six-speed forward and single speed reverse transmission                       | •        |          |
| Cat C9.3 engine  | •        |          |
| CX31 transmission  | •        |          |
| Cat Clean Emissions Module (CEM) and exhaust aftertreatment package                      | •        |          |
| Differentials: standard with automatic clutched inter- and cross-axle differential locks | •        |          |
| Dual circuit oil immersed, enclosed brakes – all wheels                                  | •        |          |
| Hydraulic retarder   | •        |          |
| Three axle, six-wheel drive  | •        |          |
| SAFETY   | STANDARD | OPTIONAL |
| Reverse alarm  | •        |          |
| Rearview camera  | •        |          |
| ROPS/FOPS cab  | •        |          |
| GUARDS   | STANDARD | OPTIONAL |
| Crankcase  | •        |          |
| Radiator   | •        |          |
| Rear window  | •        |          |
| OTHER  | STANDARD | OPTIONAL |
| Auto lube installation for automatic greasing of bearings                                |          | •        |
| Bare chassis (no body) standard wheel base   |          | •        |
| Body liners  |          | •        |
| Cold weather coolant -51°C (-60°F)   |          | •        |
| Exhaust heated body  |          | •        |
| Fast fuel fill   |          | •        |
| Fuel additive – anti-waxing  |          | •        |
| Mud flaps: wheel arch and body mounted with transportation tiebacks                      | •        |          |
| Scissor tailgate   |          | •        |
| S•O•S <sup>SM</sup> sampling valves  | •        |          |
| Sound suppression (standard in some countries*)  | •        |          |
| Tires, six 23.5R25   | •        |          |
| Vandalism protection: lockable caps  | •        |          |
| Wheel chocks   |          | •        |

\* EFTA countries are EU countries plus Iceland, Norway, Lichtenstein, Switzerland, Türkiye and UK.



For more complete information on Cat products, dealer services and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com).

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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