

# 730

## Articulated Truck

Military Version



### Cat® C11 ACERT™ Engine

Gross Power – SAE J1995	242 kW	325 hp
Net Power – SAE J1349	237 kW	317 hp

### Weight

Rated Payload	28.1 tonnes	31 tons
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### Body Capacities

Heaped SAE 2:1	16.9 m <sup>3</sup>	22.1 yd <sup>3</sup>
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## MISSION CAPABLE

### *The Cat® 730 Articulated Truck – Tested, Proven, and Reliable – Mission Capable*

**The Cat 730 Articulated Truck** is a highly productive machine that will prove to be a valuable military asset for construction projects. The truck is equipped with a 22 cubic yard body with a rated capacity of 31 tons. The 730 provides enhanced operational readiness for the construction of airfields, roads, landing zones, defensive berms, anti-tank ditches, and other key military construction zones. The 730 is also self-transportable, with a top speed of 34 mph.



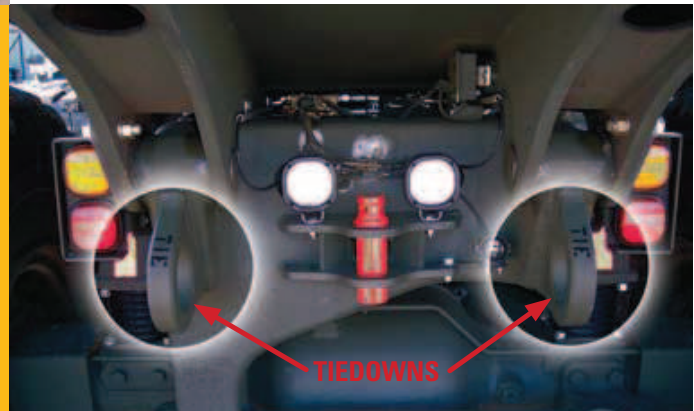
**Lift and Tiedowns** are featured on the body and front (left photo), as well as the rear (bottom photo), for secure transportability.

**Front A-Frame Construction.** The front suspension uses an oscillating A-frame with a lateral tie rod to control sideways axle movement.

**Rear Frame.** Twin-box construction minimizes stress concentrations and provides low weight with long service life.



**Monitoring Systems.** The 730 Articulated Truck maximizes on-board diagnostics capability using Electronic Control Modules (ECMs) to monitor various machine systems. Cat Electronic Technician (ET) software accesses information from the ECMs allowing technicians to view status parameters, logged codes, active codes, perform functional tests, and record and view data logs of equipment operation. This diagnostic capability allows the user to maintain articulated truck readiness while minimizing the maintenance burden.



## Machine Dimensions

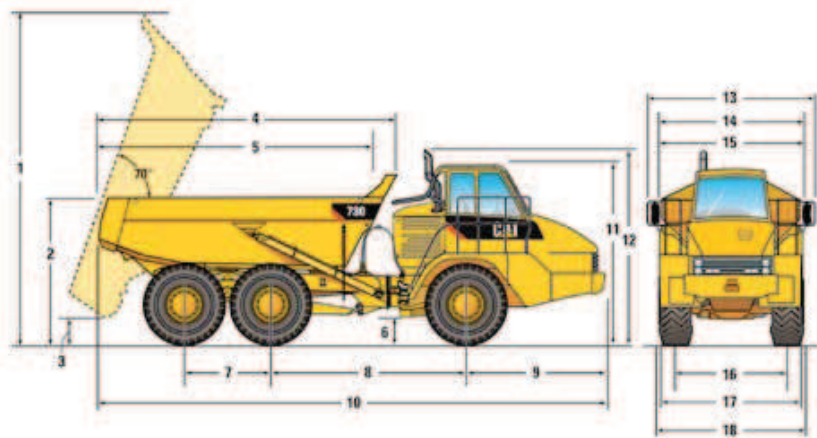
	mm	ft		mm	ft
1	6500	21.32	10	9920	32.5
2	2890	9.5	11	3440	11.28
3	555	1.82	12**	3744	12.28
4	5840	19.16	13	3544	11.6
5*	5490	18.01	14***	3268	10.72
6	495	1.6	15	2902	9.51
7	1700	5.6	16	2275	7.46
8	3819	12.5	17	2877	9.43
9	2721	8.9	18****	2950	9.7

\* Inside of body.

\*\* Exhaust stack can be removed for transportation.

\*\*\* If equipped with a scissor tailgate.

\*\*\*\* Max-unladen over tire bulge.





**Worldwide Locations.** The Caterpillar global network of authorized dealers supports the U.S. Military in every corner of the globe. With heavy construction equipment dealers located in over 200 countries, Caterpillar's support organization provides global coverage.



**Service Capabilities.** Cat field service technicians have the experience and tools necessary to service your equipment on-site. Field service trucks are fully loaded with state-of-the-art tools and diagnostic equipment as well as specifications and schematics for every Cat machine. Technical experts at the Dealership and at Caterpillar are available to provide assistance to field service technicians when needed. When on-site repair isn't enough, Cat Dealerships are fully-equipped to service your equipment quickly.

**Dealer Support.** The Caterpillar global network of authorized dealers is the best in the world at providing support to keep your equipment up and running. With 99.7% of parts shipped within 24 hrs, Cat Dealers are supporting the 730 Articulated Truck.

**Engine**

Engine Model	Cat® C15 ACERT™	
Rated Engine Speed	1,800 rpm	
Gross Power-SAE J1995	381 kW	511 hp
Net Power-SAE J1349	355 kW	476 hp
Net Power-ISO 9249:1997	355 kW	476 hp
Net Power-80/1269/EEC	355 kW	476 hp
Number of Cylinders	6	
Peak Torque	2320 N-m	1,711 lb-ft
Bore	137 mm	5.4 in
Stroke	171 mm	6.7 in
Displacement	15.2 L	927.6 in <sup>3</sup>

**Service Refill Capacities**

Fuel Tank	530 L	140 gal
Cooling System	114 L	30 gal
Crankcase	34 L	9 gal
Differentials & Final Drives	159 L	42 gal
Steering Tank	34 L	9 gal
Steering System (Includes Tank)	56 L	15 gal
Brake/Hoist/Fan Hydraulic Tank	155 L	35 gal
Brake/Hoist/Fan System (Tank)	277 L	73 gal
Transmission/Torque Converter Sump	53 L	14 gal
Transmission/Torque Converter System (Includes Sump)	95 L	25 gal

**Operating Weights**

Front Axle - Empty	13 140 kg	28,969 lb
Center Axle - Empty	5000 kg	11,023 lb
Rear Axle - Empty	4710 kg	10,384 lb
Total - Empty	22 850 kg	50,376 lb
Front Axle - Rated Load	2720 kg	5,997 lb
Center Axle - Rated Load	12 700 kg	27,999 lb
Rear Axle - Rated Load	12 700 kg	27,999 lb
Total - Rated Load	28 120 kg	61,994 lb
Front Axle - Loaded	15 860 kg	34,965 lb
Center Axle - Loaded	17 700 kg	39,022 lb
Rear Axle - Loaded	17 410 kg	38,382 lb
Total - Loaded	50 970 kg	112,370 lb

**Standards**

Brakes	ISO 3450 - 1996
Cab/FOPS	ISO 3449 Level II - 2005
Cab/ROPS	ISO 3471 - 2008
Steering	ISO 5010 - 2007



**Remanufactured Parts.** Cat engines and major components are designed to be remanufactured and provide multiple life cycles. Components are remanufactured in the factory to original specifications with necessary product updates.

## MILITARY MODIFICATIONS

- Tailored MIL-STD-209K Lift and Tiedown Provisions
- NATO Start Receptacle
- Rifle Bracket
- External Military Paint
- Military Data Plates
- Keyless Engine Start Switch

## STANDARD EQUIPMENT

*Standard equipment may vary. Consult Caterpillar Defense & Federal Products for details.*

Air conditioning with R134a refrigerant	Heater and defroster with four-speed fan	Seat, Cat Comfort: Full air suspension Retractable belt with shoulder harness
Air vents, adjustable	Horn, electric	Seat, padded companion/trainer
Auto shift six-speed transmission	Lights: cab interior, front, side, rear, two reversing/working lights, two stop/tail lights, front and rear direction indicators	Secondary steering-electronic
Automatic Lubrication	Mirrors, main and auxiliary, left and right	S·O·S <sup>SM</sup> sampling valves
Back up alarm	Mud flaps, wheel arch and body mounted, with transportation tie backs	Spill guard, front, integral part of fabricated body
Body, adapted for exhaust heat	Product link	Storage: two cup holders, flask receptacle, under seat storage, door pocket, behind seat storage, coat hook
Cat C11 engine with ACERT™ Technology	Retarder	Sun visor
Caterpillar Work Area Vision System (WAVS) rear-view camera	ROPS/FOPS cab, with full instrumentation, including: Instrument cluster display module	Three axle, six-wheel drive
CD/Radio ready	Indicator lamps: left turn, secondary steering, primary steering loss, brake oil pressure, action lamp, transmission fault, park brake, charging system status, differential lock, body not in float, right turn, high beam, transmission hold, machine filter warning, retarder, retarder up shift warning	Tilt and telescopic steering wheel
Differentials, standard with cross-axle differential locks for all axles	Gauges: engine oil pressure, engine coolant temperature, torque converter oil temperature, fuel level, and fuel tank level gauge	Tires, six 23.5R25, radial
Dual circuit caliber disc brakes-all wheels	Meters: service hour meter, speedometer, tachometer	Tow pins front and rear
Electrical system, 24 volt, 5A 24 to 12-volt converter		Two seat belts, operator's retractable
Electro hydraulic hoist control		Vandalism protection: lockable caps for fuel tank and hydraulic oil tank
Ether starting aid		Windows opening side, tinted
Fast Fuel Fill		Windshield wiper and washer, two speed, intermittent (front)
Glass windows, laminated and tinted (front), toughened and tinted (rear)		Windshield wiper and washer, two speed (rear)
Guards: rear window, radiator, crankcase and axle		
Headlights, four		
Heated Body Exhaust		

For more information visit: [www.catdftp.com](http://www.catdftp.com)

*All dimensions are approximate. Dimensions may vary with configuration. Specific military service configurations are available upon request.*

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Materials and specifications are subject to change without notice. Featured machines may include additional equipment. See your account manager for available options.

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