

HERE TO WORK.

THE CAT® CT660 VOCATIONAL TRUCK





HEAVY-DUTY, REDEFINED.

YOU WORK HARD EVERY DAY—and you count on rugged, reliable products to keep your operation up and running. For nearly a century, Caterpillar has helped customers like you get the job done, with equipment that meets the demands of the world's toughest industries. And now we're introducing the only vocational truck worthy of the Cat® name: the CT660.

The first in a full line of vocational trucks built for a wide array of applications, the Class 8 CT660 redefines heavy-duty—while delivering all the power, performance and productivity you expect from Caterpillar. Plus, it's backed by the unmatched support of the North American Cat Dealer Network, with more than 400 service locations and 2,300 service bays across the United States and Canada.

Loaded with features and options for the toughest jobs, the CT660 is your next dump truck, concrete mixer, waste carrier or all-around heavy hauler—and it's here to work for you.



READY TO WORK, FOR ANY JOB.

WE DIDN'T MESS AROUND when we set out to develop our new line of vocational trucks. We spent hundreds of hours on the road asking customers to describe the ideal truck. Our design team rode alongside drivers and gathered input on everything from specs and comfort to visibility and performance.

What we learned inspired and influenced our design decisions, both inside and outside the cab. The result? The CT660 is the truck you told us you need for today's demanding jobs—custom built to your specifications, so you can put it to work for your business right away.

VOCATIONAL APPLICATIONS

AVAILABLE IN TRUCK OR DAY-CAB CONFIGURATIONS, THE CT660 SUPPORTS A WIDE RANGE OF BODY TYPES FOR THESE APPLICATIONS AND MORE:

- » AGGREGATES
- » AGRICULTURE
- » ASPHALT
- » CIVIL CONSTRUCTION
- » CONCRETE
- » FORESTRY
- » GOVERNMENTAL
- » HEAVY HAUL
- » LANDSCAPING
- » LEASE/RENTAL
- » MANUFACTURING
- » MINING/QUARRY
- » OIL & GAS
- » PAVING
- » PIPELINE
- » PUBLIC SERVICES
- » RECOVERY
- » ROAD CONSTRUCTION
- » SANITATION/REFUSE
- » SITE CONSTRUCTION
- » TRANSPORTATION
- » UTILITY
- » WHOLESALE & RETAIL





HARD WORK NEVER LOOKED SO GOOD.

WITH ITS AERODYNAMIC LINES, refined curved hood, striking black grille and bold Cat badge, the CT660 is sure to turn heads. But its real beauty lies in its features—designed by Cat engineers to deliver the performance and rugged durability you demand on the road and the jobsite.



» **INFINITE NUMBER OF PAINT COLOR OPTIONS** applied with a clear-coat acrylic process results in superior corrosion resistance and a fade-proof finish

» **ALUMINUM ALLOY CAB** construction for longer life reduces overall weight so you can maximize payloads

» **AERODYNAMIC SLOPED HOOD** increases visibility and decreases wind drag for improved fuel efficiency

» **GRILLE AND GRILLE SURROUND** are modular and all metal to offer years of service

» **DURABLE THREE-PIECE BUMPER** uses a bolted design, so if you damage one area, you don't need to replace the entire bumper

» **TOUGH RUBBER-COMPOSITE FENDER EXTENSIONS** are flexible, able to take punishment and bounce back into shape

» **LARGE POWER MIRRORS** are heated and feature integrated turn signals for safety, giving drivers superior side views for excellent all-around visibility

» **RUGGED PIANO-STYLE DOOR HINGES** and super-tight door seals reduce wind noise and dirt buildup

» **EXCEPTIONAL ENTRY AND EXIT** design with a generous door opening, three-point grab irons and skid-resistant steps makes getting in and out of the cab easy and safe

» **TWO FRONT TOW HOOKS** and an optional center front tow pin (150,000 lb pull capacity) deliver outstanding recovery solutions up to the Gross Combination Weight Rating (GCWR)

» **WRAPAROUND WINDSHIELD** in your choice of a one- or two-piece design is curved and sloped to offer an uncompromised view of the road

» **HALOGEN HEADLIGHT BULBS** produce a higher-quality light and illuminate the roadway better than sealed beams. They're also easily accessible and inexpensive to replace

» **IMPACT-RESISTANT HEADLIGHT COVERS** protect against damage caused by road debris

» **OPTIONAL FOG LIGHTS** enhance visibility in bad weather

» **FLOW THROUGH SUNSHADE** is securely mounted and available in either a bright finish or your truck's body color

» **EXHAUST SYSTEM** comes with multiple routing options to meet your body style requirements and appearance preferences


» **MUFFLER AND TAILPIPE GUARDS** are available in either chrome or black satin finish

» **TRUMPET AIR HORNS** are available as an option

» **BATTERY BOX** is located under the cab for easy access

» **POWER WINDOWS** are standard equipment for driver and passenger doors—and are large and sloped for enhanced visibility and safety

» **MULTIPLE MIRROR OPTIONS** (passenger-side, hood-mounted and fender-mounted) provide increased visibility above the truck or around the side—ideal for dump truck applications

A detailed view of the interior of a CAT CT660 machine cab. The steering wheel is black with a silver CAT logo in the center. Behind the wheel is a cluster of seven analog gauges, including a large speedometer. To the right of the wheel is a central console with a digital display showing various vehicle metrics, a gear shifter, and numerous control buttons and switches. The dashboard and console are black with silver accents. The overall design is functional and modern.

THE ULTIMATE WORK ENVIRONMENT.

FOR DECADES we've been designing machine cabs that combine comfort and functionality—and it shows in the CT660's spacious interior. Ergonomic details reduce driver fatigue. Interior features enhance driver and jobsite safety and productivity. And the cab's distinctive look provides an ideal complement to the truck's unique exterior.

- » **SPACIOUS WIDE CAB DESIGN** delivers ultimate comfort and optimized storage
- » **LEATHER-WRAPPED STEERING WHEEL** with tilt and telescoping functions provides a comfortable driving position
- » **EASY-TO-REACH COMPARTMENTS** provide quick access to paperwork and log books
- » **BACK-PANEL STORAGE** and oversized side pockets keep important items within reach

- » **INTERIOR SURFACES** and materials allow for easy cleaning and optimum durability
- » **PREMIUM GRADE SOUND INSULATION** kit and interior materials dramatically reduce noise
- » **ROUTING AND CLIPPING WIRE SYSTEM** in panels minimizes vibration and cab noise
- » **CAB MIRRORS** deliver excellent secondary visibility with standard and convex mirrors combined in a single package

- » **OVERHEAD AND UNDER-DASH LIGHTS** illuminate for safer entry and exit—and for working while stopped
- » **MAP LIGHTS** adjust to shine directly where they're needed
- » **HEATING AND AIR CONDITIONING CONTROLS** are easy to access and handle
- » **HVAC VENTS** are positioned for optimum air flow and comfort in any climate



CONTROL PANEL

THE CT660'S ERGONOMICALLY DESIGNED DASHBOARD and center stack layout give drivers complete command and control. All controls, levers, switches and gauges are positioned to maximize safety and minimize fatigue, so drivers can stay focused on the job at hand.

- » **PRIMARY GAUGES** are clearly visible through the steering wheel, making it easy to locate and view key indicators quickly and safely
- » **LARGE ROCKER SWITCHES** are easy to see and reach and offer "soft touch" tactile feedback when activating a switch
- » **LARGE, EASY-TO-READ GAUGES** feature a black dial face, white font and red needles to ensure quick recognition and maximum readability consistent with all Cat machines
- » **SPEEDOMETER AND TACHOMETER** are combined into a single large gauge for reduced space claim and to leave room for other optional gauges, including those designed for your specific application
- » **WARNING SIGNALS** provide alerts to any critical system situation with bright indicator lights and audible alarms
- » **GAUGE PANEL** is easily removed for any repair work





DRIVER'S SEAT

A COMFORTABLE DRIVER IS A SAFE, PRODUCTIVE DRIVER, and the CT660 driver's seat delivers comfort all shift long—helping drivers feel less fatigued and more alert to hazards or obstacles.

- » **AIR SUSPENSION AND HIGHLY ADJUSTABLE LUMBAR SUPPORT** offer extreme comfort that feels and fits just right
- » **OPTIONAL FULLY ADJUSTABLE SEAT** fits any size driver comfortably
- » **EASY-TO-REACH ADJUSTMENT LEVERS** make it easy to stay focused on the job
- » **OPTIONAL FULLY ADJUSTABLE DUAL ARM RESTS** flip up and out of the way
- » **THREE-POINT SHOULDER BELT** keeps the driver secured
- » **ADDITIONAL HEAD AND NECK SUPPORT** is available with a high seat back option
- » **OPTIONAL CAT COMFORT SEATS** offer tough, heavy-duty construction combined with extra thick, contoured cushions for enhanced comfort and less fatigue

THE POWER TO WORK EVEN HARDER.

UNDER THE HOOD, the CT660 is powered by Cat CT Series Vocational Truck Engines with ratings specific to vocational truck applications and horsepower/torque combinations to tackle the toughest jobs. Cat CT11, CT13 and CT15 engine options are available.

You can spec your truck's engine to create an ideal match of power and performance that meets the demands of your specific job and operating conditions. So whether your next Cat Vocational Truck is a dump truck, concrete mixer, waste carrier or heavy hauler, it will be equipped with the right horsepower and torque to match the demands of your work.





- » **HIGH-PRESSURE, COMMON-RAIL FUEL SYSTEM** features ideal injection pressures for precise injection timing and optimal combustion
- » **THIRTY PERCENT LESS INTERIOR NOISE** and much lower vibration enhance comfort and productivity
- » **DUAL SEQUENTIAL TURBOCHARGERS** and high-pressure injection system deliver broad peak torque characteristics
- » **KEY SYSTEMS AND COMPONENTS** are easily accessed, from valve cover to oil filter to fuel filter
- » **SINGLE ELECTRONIC CONTROL MODULE** and fewer electrical connections result in less diagnostic and maintenance time
- » **REAR POWER TAKE-OFF (PTO)** drives engine power to your attachments

ENGINES

CAT CT11/CT13



CAT CT15



- Unique engine ratings created specifically for vocational applications, resulting in the ultimate horsepower/torque combinations
- Advanced EGR Combustion System
- High-pressure common-rail fuel system with injection pressures of 2200 bar (approximately 32,000 psi)
- Twin-series turbochargers with interstage cooler

Side-by-Side			
CAT CT11		CAT CT13	CAT CT15
ENGINE TYPE	Diesel, 4-Cycle	Diesel, 4-Cycle	Diesel, 4-Cycle
CONFIGURATION	Inline 6-Cylinder	Inline 6-Cylinder	Inline 6-Cylinder
DISPLACEMENT	10.5 L (641 cu. in.)	12.4 L (758 cu. in.)	15.21 L (928.17 cu. in.)
BORE AND STROKE	4.72 in. & 6.10 in. (12 cm & 15.5 cm)	4.96 in. & 6.54 in. (12.6 cm & 16.6 cm)	5.4 in. & 6.75 in. (13.7 cm & 17.1 cm)
COMPRESSION RATIO	16.5:1	17:1	16.0:1
ASPIRATION	Dual Series Turbochargers, Intercooler and Aftercooler	Dual Series Turbochargers, Intercooler and Aftercooler	Dual Sequential Turbochargers, Intercooler and Aftercooler
COMBUSTION SYSTEM	Direct Injection	Direct Injection	Direct Injection
LUBRICATION SYSTEM CAPACITY	42 Quarts (40 L)	42 Quarts (40 L)	40 Quarts (38 L)
OIL DRAIN INTERVAL	25,000 miles (40,234 km)	25,000 miles (40,234 km)	15,000 miles (24,140 km)
FUEL FILTER SERVICE	25,000 (40,234 km)	25,000 (40,234 km)	25,000 (40,234 km)
COOLANT DRAIN INTERVAL	600,000 miles (965,606 km)	600,000 miles (965,606 km)	600,000 miles (965,606 km)
TOTAL ENGINE WEIGHT (DRY)	2400 lbs. (1089 kg)	2400 lbs. (1089 kg)	3150 lbs. (1429 kg)
DIMENSIONS	L 59 in. x W 37 in. x H 49 in. (L 150 cm x W 94 cm x H 125 cm)	L 59 in. x W 37 in. x H 49 in. (L 150 cm x W 94 cm x H 125 cm)	L 56.6 in. x W 49 in. x H 51 in. (L 144 cm x W 124 cm x H 129 cm)
VALVES	4 Valves per Cylinder, Overhead Cam Actuated	4 Valves Per Cylinder, Overhead Cam Actuated	4 Valves Per Cylinder, Overhead Cam Actuated
HORSEPOWER	330-390 hp (246 - 291 kW) @ 2100 rpm	410-475 hp (306 - 354 kW) @ 2100 rpm	450-550 hp (336 - 410 kW) @ 2100 rpm
PEAK TORQUE	1250-1450 lb-ft. (1693 - 1966 Nm) @ 1000 rpm	1450-1700 lb-ft. (1964 - 2302 Nm) @ 1000 rpm	1550-1850 lb-ft. (2102 - 2508 Nm) @ 1200 rpm

CAT CT11 Engine Performance Data			
Horsepower (BHP @ 1700 RPM)	Torque Peak (lb-ft @ 1000 RPM)	Gov. Speed (RPM)	Clutch-Engagement Torque (lb-ft @ 800 RPM)
330	1250	2100	686
365	1250	2100	686
370	1350	2100	770
390	1450	2100	811

CAT CT13 Engine Performance Data			
Horsepower (BHP @ 1700 RPM)	Torque Peak (lb-ft @ 1000 RPM)	Gov. Speed (RPM)	Clutch-Engagement Torque (lb-ft @ 800 RPM)
410	1450	2100	828
430	1550	2100	868
475	1700	2100	959

CAT CT15 Engine Performance Data			
Horsepower (BHP @ 1600 RPM)	Torque Peak (lb-ft @ 1000 RPM)	Gov. Speed (RPM)	Clutch-Engagement Torque (lb-ft @ 800 RPM)
450	1550	2100	1150
450	1750	2100	1150
475	1850	2100	1150
500	1650	2100	1150
500	1850	2100	1150
550	1850	2100	1150

SHIFT INTO WORK MODE, AUTOMATICALLY.

USED FOR YEARS in vocational applications around the world, the CX31 Automatic Transmission has a proven track record for quality and reliability that helps maximize uptime. Performance-matched with Cat CT Series Vocational Engines, it delivers rugged durability, fuel economy and smooth shifting for optimum power and efficiency. The new CX31 HT (High Torque) enables users to specify the CX transmission in applications with up to 1850 lb-ft engine ratings. And Cat Dealers know the CX31 inside and out because they've been supporting it in various on-highway applications since 2006.





- » **CAT-ENGINEERED LIGHTWEIGHT DESIGN** features the industry's highest power-to-weight ratio and full power shifting, leading to improved truck productivity
- » **AUTOMATIC SHIFTING** is simple to learn and operate, making it easier for you to find, train and retain productive drivers
- » **ELECTRONIC CONTROL MODULE (ECM)** regulates gear shifts based on driver throttle demand and vehicle speed to optimize engine performance and reduce driveline wear
- » **LIVE POWER TAKE-OFF (PTO) OPTIONS** include two side locations and a Cat exclusive high-output rear PTO for improved packaging, performance and serviceability
- » **DIAGNOSTIC TOOLS AND PROCEDURES** are the same as Cat dealers use for other Cat machines.
- » **JOBSITE SAFETY** is enhanced as drivers no longer need to operate the clutch or remove their hands from the wheel during shifts
- » **WARRANTY AND EXTENDED SERVICE COVERAGE** is matched to the engine and backed by the best parts and service network in the industry
- * **OTHER TRANSMISSION OPTIONS AVAILABLE FOR THE CT660 INCLUDE THE MANUAL AND ULTRASHIFT® PLUS VOCATIONAL TRANSMISSIONS BUILT BY EATON**

Ultrashift® Plus Vocational Transmission is a registered trademark of Eaton Corporation

CAT CX31 AUTOMATIC TRANSMISSION

- Speeds: 6 forward/1 reverse
- Engines: Cat CT11; Cat CT13; Cat CT15
- Torque Converter: Cast aluminum design with lock up clutch
- Clutches: Electro-hydraulic fully modulated, oil cooled, multidisc
- Maximum Gross Input Power hp (Kw): 550 (410)
- Maximum Gross Input Torque lb-ft (N-m): 1700 (2400) – CX31, or 1850 (2510) – CX31 HT
- Maximum Input Speed: 2500 rpm
- Weight (approx.): 906 lbs. (411 kg)
- Length: 35.3 in. (896 mm)
- Multiple electronic interlock capabilities to control power, speed, gear selection, direction and PTO operations
- Power Take-Off: Two side locations and a Cat exclusive high output rear PTO
- Side PTO capacity lb-ft (N-m): 700 (950), rotation same as engine, ratio determined by PTO adaptor
- Rear PTO capacity lb-ft (N-m): 800 (1085), rotation opposite of engine, at 1.25 engine speed
- Optional Input Shaft Hydraulic Retarder
- Overall Weight with Retarder Option: 1088 lbs. (494 kg)
- Overall Length with Retarder Option: 39.4 in. (1000 mm)

BUILT TO WORK.

THE CT660 SITS ON A STRONG FOUNDATION—built to handle whatever vocational body or equipment your application requires. The chassis features a set-back axle (SBA), with both 116-inch and 122-inch bumper to back of cab (BBC) lengths available. Both provide an extra tight turning radius for enhanced maneuvering and driving performance.



» **CLASS-LEADING WHEEL CUT**
means unsurpassed maneuverability

» **TUNED CAB AIR SUSPENSION SYSTEM**
absorbs the road shock and vibration transmitted through the frame mounts, producing a quieter, smoother and more comfortable ride

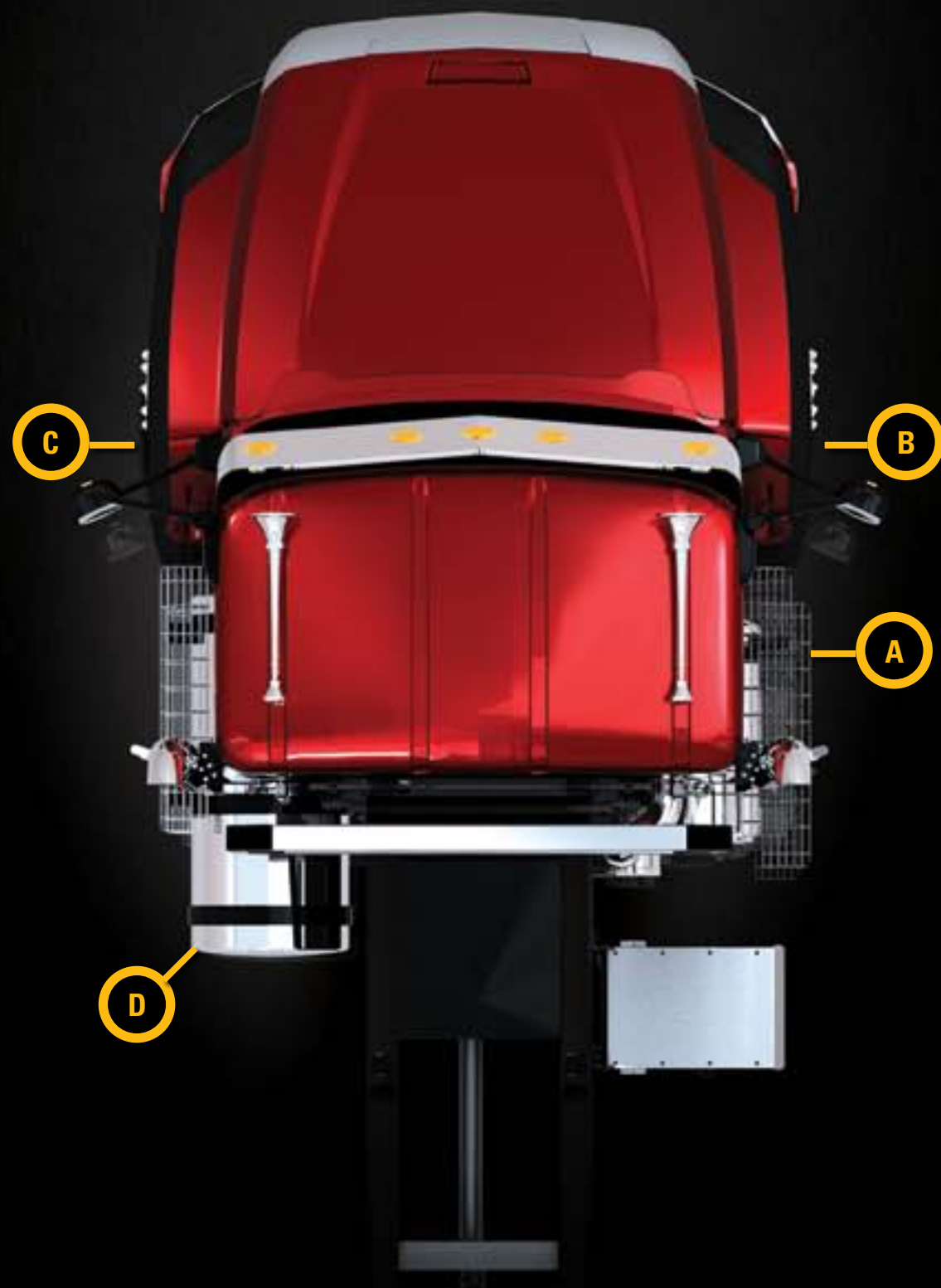
» **MULTI-LEAF FRONT SUSPENSION** options include shackle type, single or two-stage springs and slipper type, with compatible shock absorbers available for all options

» **REAR SUSPENSION** options include selections from Hendrickson and Chalmers

» **AXLE CHOICES** from Meritor, Dana and Fabco include 6X4, 8X6, 6X6 and 4X4 configurations that offer the optimized load carry capability your jobsite demands

» **ABS FRONT AND REAR BRAKES**
ensure reliable and safe braking power

» **FUEL TANKS** of aluminum alloy save weight and are available in 60, 80, 100 and 120 gallon capacities, with single left, single right or dual options available



CHASSIS

A

- Set-Back Axle (SBA), 116-inch and 122-inch Bumper to Back of Cab (BBC) available
- Industry-leading turning radius
- Durable, heat-treated alloy steel frame rails
- 12.0-inch rail size: 110,000 and 120,000 psi yield strength
- Length variable in 2.0-inch increments
- Available with rail reinforcements: one or two frame reinforcements available
- Superior routing and clipping of all hoses and wires

AXLES

B

- Meritor, Dana and Fabco options available
- 6X4, 8X6, 6X6, and 4X4 configurations available

SUSPENSION

C

FRONT

- Multileaf, shackle type, single or two-stage spring
- Multileaf, slipper type
- Compatible shock absorber selection

REAR

- Hendrickson suspension offerings: HaulMaax, HN, RT/RTE, RS, R, PriMaax
- Chalmers high articulation

FUEL TANKS

D

- Fuel tanks available in 60, 80, 100 and 120 gallon capacities
- Single left, single right or dual options available
- Aluminum alloy construction



A SMARTER WAY TO WORK.

GETTING ACCURATE, TIMELY INFORMATION about how, when and where your truck is being used can help you reduce costs, enhance performance and improve security. That's why the CT660 comes standard with Product Link, Caterpillar's comprehensive asset and fleet management tool. It lets you remotely monitor location, productivity, maintenance and more—for one truck, many trucks or your entire fleet of equipment.

Product Link features a highly intuitive, web-based user interface, robust and integrated onboard hardware with cellular connectivity and an open-system design for mixed-fleet use. You can use it to:

- » See your entire fleet at a glance or zoom in for a detailed look at individual trucks
- » Track fuel use and costs, location history, working time versus idle time and more
- » Get odometer, engine hour and transmission PTO hour updates
- » View engine and transmission serial number and software information remotely
- » Receive fault code or suspicious movement alerts via email or text message
- » Set up site boundaries to detect movement outside an authorized area
- » Identify opportunities for driver training
- » Manage PM service with built-in service intervals, latest fluid analysis results and click through to your Cat Dealer for parts and service
- * **PLUS, YOUR PRODUCT LINK SERVICE SUBSCRIPTION IS COMPLIMENTARY FOR THE FIRST THREE YEARS YOU OWN YOUR CT660.**



WORK MORE. SERVICE LESS.

TO HELP KEEP YOUR UPTIME HIGH and operating costs low, we've built dozens of efficient maintenance and repair features into the CT660—giving technicians and drivers easy access to key service points. Most require little or no special tooling.

- » **HEADLIGHT BULBS AND WINDSHIELD WIPER BLADES** can be replaced in minutes without any tools
- » **COOLANT, WASHER RESERVOIRS AND AIR FILTERS** are accessible from ground level for easy maintenance and replacement—no special tools required
- » **MODULAR DESIGN OF THE GRILLE** and three-piece bumper makes it simple to replace a damaged component—quickly, cost effectively and without any special tools
- » **MIRRORS** are cowl mounted for greater stability, eliminating time spent readjusting or retightening mirror bolts



THE BEST TEAM, READY TO WORK FOR YOU.

WITH THE CT660, you're not just getting a rugged, dependable truck. You're getting the backing of the best Dealer Network in the business.

Cat Dealers have set the standard for service and support in the on-highway and heavy construction industries for generations.

And now they're bringing that same expertise and commitment to vocational trucks, with bumper-to-bumper service, fast parts availability, competitive financing, unmatched warranty support and more—so you can get to work fast and stay on the job longer.

Plus, because Cat Dealers know how different work applications and environments will affect your truck, they can help you order the exact CT660 you need—with customized options ranging from engines and transmissions to suspensions and axles.

» **24/7 ONLINE PARTS ORDERING**, combined with unmatched parts availability and timely delivery, means you'll be up and running in no time

» **UNMATCHED WARRANTY COVERAGE** delivers all the protection you need in one comprehensive package—with extended warranties and a variety of scheduled maintenance programs also available

» **FINANCING, LEASING AND INSURANCE** solutions available through Cat Financial and Cat Insurance make it simple and affordable to acquire and protect your CT660

SERIOUSLY DRIVEN.

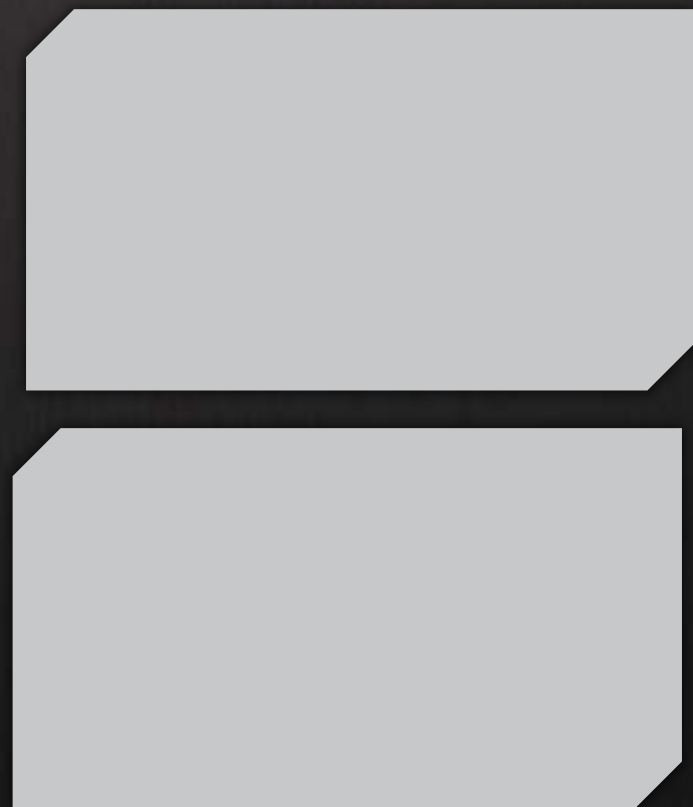
THE CT660 IS A SERIOUSLY POWERFUL TRUCK built for seriously productive work. It's loaded with the features and options you told us you wanted in a next-generation vocational truck. It's designed for unparalleled driver satisfaction, maximum payloads, unprecedented uptime and low cost of ownership in dozens of applications. And it's backed by the best Dealer support and parts availability in any industry.

A natural extension of our rugged product line, the CT660 delivers what no one else can—all the power, performance and durability you expect from Cat products. And now, it's here to work for you.



FOR MORE INFORMATION

VISIT DRIVECAT.COM OR TALK TO YOUR CAT DEALER
TODAY TO LEARN MORE ABOUT THE CT660.



CAT

