

# **CAT PERFORMANCE NOW AVAILABLE IN A TRUCK**

**CT610 STANDARD SPECIFICATIONS**



# CT610

For over 85 years, Cat® machinery has been known for its durability, reliability and high performance. Now we've taken all the qualities that make Cat equipment respected around the world and put them into a long-haul truck. If any trucks can move your business forward, Cat trucks can. We've been doing it with our other products all along.

## CHASSIS

Type: heat-treated steel, yield strength: 120,000 PSI, 760 MPa  
Frame rail dimensions: 260 x 92 x 9.5mm, section modulus 291cm<sup>3</sup>  
HD Intermediate cross member  
Huck bolted in critical areas to minimise maintenance  
Two aluminium deck plates behind cab  
Tapered end of frame with fifth-wheel mounting angles  
Double front tow hooks  
Painted bumper with valance and FUPD

## FRONT AXLE

Meritor MFS-14-143 wide track RHD  
Type: forged steel I-beam  
Steel hubs  
Capacity: 6.5-tonne

## FRONT SUSPENSION

Type: 1480mm long parabolic springs  
Tuned shock absorbers  
Capacity: 6.5-tonne

## BRAKES

ADR dual-circuit air system, S-cam  
Air compressor, Cat 15.7CFM capacity  
Size: front 419mm x 127mm with T24 chamber and Centrifuse brake drums  
Size: rear 419mm x 178mm with type 30/30 chambers  
Park brake: both rear axles, spring-actuated  
Haldex slack adjusters  
Air dryer, Bendix AD-IS  
Three manual drain valves with pull chains  
Dust shield on all axles  
Self-return trailer brake hand control on steering column  
Semi-trailer air connections at back of cab  
Hose tender slide bar, upper rear of cab  
Bendix 4-channel ABS with full vehicle wheel control system with automatic traction control

## STEERING

Sheppard M100 power steering  
Gear-driven pump  
Adjustable tilt steering column with leather-wrapped 2-spoke steering wheel, 457mm diameter

## DRIVESHAFT SYSTEM

Low maintenance  
Main shaft, SPL250X  
Interaxle shaft SPL1760XL

## EXHAUST

Single catalytic muffler, LHS frame mounted with shroud and vertical tail pipe  
Compression engine brake, 3-stage switching

## ELECTRICAL SYSTEM

Type: 12-Volt, negative to earth  
Diamond Logic® multiplexing system  
Cat Batteries: 4 x 12V, 2840 CCA total  
Mounted on left-hand chassis rail  
Alternator: 12V, 160 amp, brush type, pad-mounted  
Starter, 105P with Soft Start  
Two trailer sockets, 7-pin trailer lighting and an EEC socket for trailer ABS, at rear of cab  
Exterior light test system for pre-trip inspection  
Circuit breaker with manual reset  
Switches for provision of operating PTO, and rear work lamps  
Park brake warning horn if brake not applied and door opened  
Back up alarm, 102 dba

## CLUTCH

Eaton Fuller EP1552 Easy Pedal two-plate ceramic with Kwik-Adjust feature  
Diameter: 394mm  
Light pedal, integrated air-assist clutch release system

## ENGINE

Cat C13 ACERT™  
Type: 6-cylinder, in-line, turbocharged and aftercooled, electronic direct injection  
Cruise control with steering wheel controls. 100 kph road-speed limited  
Rated at 470-hp @ 2100 RPM and 1650-ft/lb torque @ 1200 RPM 485 Peak HP  
Engine compression brake with 3-stage control  
High-capacity under-hood air cleaner with restriction indicator gauge  
Fuel priming pump

## CT610 C13

### Chassis Weights (kg)

### Dimensions (mm)

### Turning Radius (m)

	Wheelbase	Front	Rear	Total	CA	CF	AF	OAL	Curb/Curb	Wall/Wall
Day Prime Mover w/ extenders	4445mm	4120	3467	7587	2895	4495	1600	7225	1748	18.20
Day Prime Mover w/ Aero	4445mm	4155	3490	7645	2895	4495	1600	7225	1748	18.29
Day "Flex" spec w/ extenders	5150mm	4143	3494	7636	3600	5200	1600	7930	19.61	20.32
Day Extended cab w/o Aero	5150mm	4184	3535	7719	3600	5200	1600	7930	19.61	20.32

# STANDARD SPECIFICATIONS

Day Cabin with Side Extenders, 4450mm Wheelbase Tractor

Day Cabin with Side Extenders, 5150mm Wheelbase - Flex Spec

## AERO EFFECTS

Aero cab extenders with grab handles on both sides

std

std

Roof fairing

option

option

## REST SLEEPER

26" (660mm) Extended (Sleeper) cab with 3378mm BBC

N/A

option

Single 660mm x 1840mm x 127mm lower bunk (innerspring mattress)

N/A

option

Sleeper includes dome light, under-bunk storage, (innerspring mattress)

N/A

option

## WHEELS AND TYRES

Wheels - Ten: polished alloy, 10-stud 285mm PCD, 8.25DC x 22.5

std

std

Tyres: Dunlop 295/80R22.5 16-ply on front axle

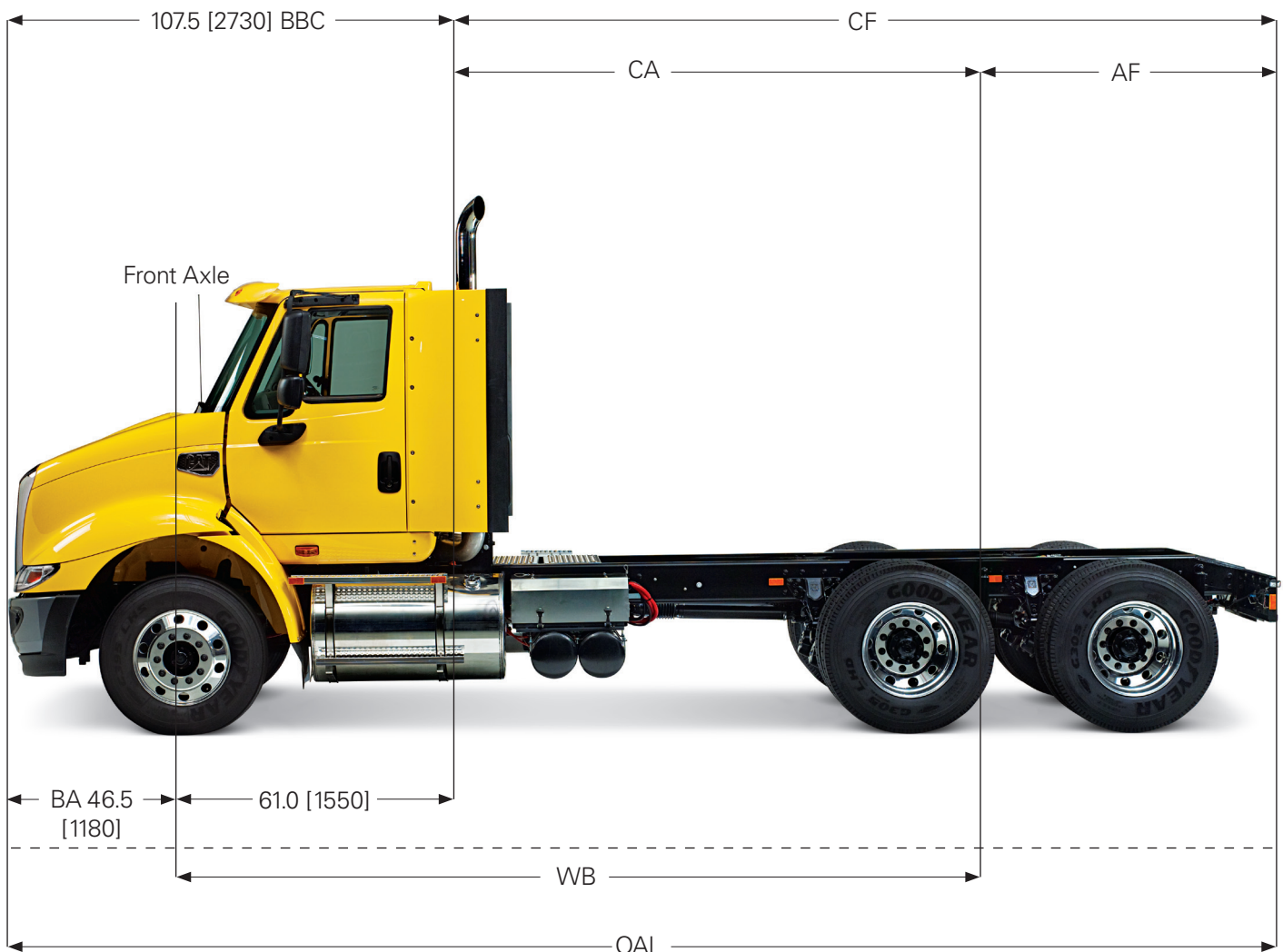
std

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Dunlop 11R22.5 14-ply on rear axles

std

std



GVM - 24.5 tonne

GCM - Up to 57-tonnes

Bumper to Front Axle - 1180mm

## COOLING SYSTEM

Over-and-under system

Charge air cooler: 460 in<sup>2</sup> Water radiator: 1055 in<sup>2</sup> Total package: 1515 in<sup>2</sup>

Nylon fan with air-operated Horton DriveMaster fan drive

## TRANSMISSION

Fuller RTLO-18918B 18-speed overdrive

Lube pump & oil-to-air transmission cooler

## REAR AXLE

Arvin Meritor RT-46-160

Capacity: 20.9 tonne

Ratios: 4.1:1

Cone-lock fixing on axle shafts

Inter-differential power divider lock

Differential cross-lock on rear/rear axle

Electronic auto traction control standard

Steel hubs

## REAR SUSPENSION

Hendrickson HAS-460 suspension to Australian specification with road friendly compliance

1397mm axle spacing with 241 mm ride height

Suspension dump valve, control switch in instrument panel

Capacity: 20.9 tonne

## FUEL SYSTEM

Polished aluminium 660mm diameter cylindrical tanks mounted both sides under cab. Dual pick-up and return. Alloy steps

850-litres total capacity

Fuel cooler, radiator mounted

Fuel tank ties between tanks

## CAB

### CONSTRUCTION

ECE-29 crash test compliant, day cab 2085mm wide, galvanised steel

Base coat, clear coat paint

Tilting SMC hood and removeable quarter fenders. Excellent engine access

Bright polished stainless-steel grille surround

Three-point cab mounting system with rear air suspension

Driver seat - fully adjustable National high-back with air suspension, cloth trim and head rest

Passenger seat - fully adjustable National high-back with air suspension, cloth trim and head rest

Arm rest on both driver and passenger seats

Seat belts, 3-point lap & shoulder type

Full instrument panel with OBD display for diagnosis of fault codes in gauge cluster

Stowage compartments in overhead console

Premium trim with moulded interior, cloth inserts and additional sound insulation

Premium floor mats

Moulded access handles, electric windows

Carpet kick panels. Quarter vent windows

### STANDARD ACCESSORIES

Internal sun visors, two moveable front-to-side primary visors

Blend-air heater air-conditioner with fresh air filter

Twin windscreen wipers/washers, 2-speed with intermittent action

Mirrors with separate spotter mirrors on both sides

Single air-horn mounted on right-hand chassis front rail

P.T.O. switch and loom

Working-light loom in dash

Outside temperature and compass in dash display

## INSTRUMENTATION

Electronic speedometer and tachometer

Gauges: air pressure, air application, voltmeter, fuel level, engine oil pressure and coolant temperature

Warning system: low fuel, low oil pressure, high engine coolant temp and low battery voltage (visual and audible)



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