

CAT PERFORMANCE NOW AVAILABLE IN A TRUCK

CT630 STANDARD SPECIFICATIONS



CT630

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 291cm³
HD Intermediate cross member
Huck bolted in critical areas to minimise maintenance
Fuel tank ties between tanks
Two aluminium deck plates behind cab
Tapered end of frame with fifth-wheel mounting angles
Double front tow hooks
Stainless steel bright finish bumper with ADR Compliant FUPD

FRONT AXLE

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

FRONT SUSPENSION

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

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
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 right-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 C15 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 550-hp @ 1800 RPM and 1850-ft/lb torque @ 1200 RPM. 2100 gov RPM
Engine compression brake with 3-stage control
High-capacity under-hood air cleaner with restriction indicator gauge
Fuel priming pump
Displacement: 15.2-litres

CT630 C15

Chassis Weights (kg)

Dimensions (mm)

Turning Radius (m)

	Wheelbase	Front	Rear	Total	CA	CF	AF	OAL	Curb/Curb	Wall/Wall
Day Prime Mover w/ Aero	4750mm	4461	3447	7908	2930	4530	1600	7640	16.13	17.07
Day "Flex" spec w/ extenders	5200mm	4439	3435	7873	3380	4980	1600	8090	17.22	18.16
Day Extended cab w/o Aero/Primaax	5000mm	4507	3482	7990	2530	4130	1600	7240	16.89	17.83
Day "Flex" spec, no Aero/Primaax	5560mm	4464	3467	7930	3745	5345	1600	8455	18.26	19.20

STANDARD SPECIFICATIONS

Day Cabin with Side Extenders, 5200mm Wheelbase - Flex spec

Day Cabin with Aero, 4750mm Wheelbase Tractor

Extended Cabin 5000mm Wheelbase Tractor Primaax

Day Cabin 5550mm Wheelbase plus (1016mm local sleeper) Local option Primaax

AERO EFFECTS

Aero cab extenders with grab handles on both sides
Roof fairing

std
option

std
included

N/A
option

std
option

REST SLEEPER

26" (660mm) Extended (sleeper) cab with 3752mm BBC
Single 660mm x 1840mm x 127mm lower bunk (innerspring mattress)
Sleeper includes dome light, under-bunk storage, innerspring mattress
40" (1016mm) Sleeper Box

N/A
N/A
N/A
N/A

N/A
N/A
N/A
N/A

std
std
std
N/A

N/A
N/A
N/A
local fitment P.O.A.

WHEELS AND TYRES

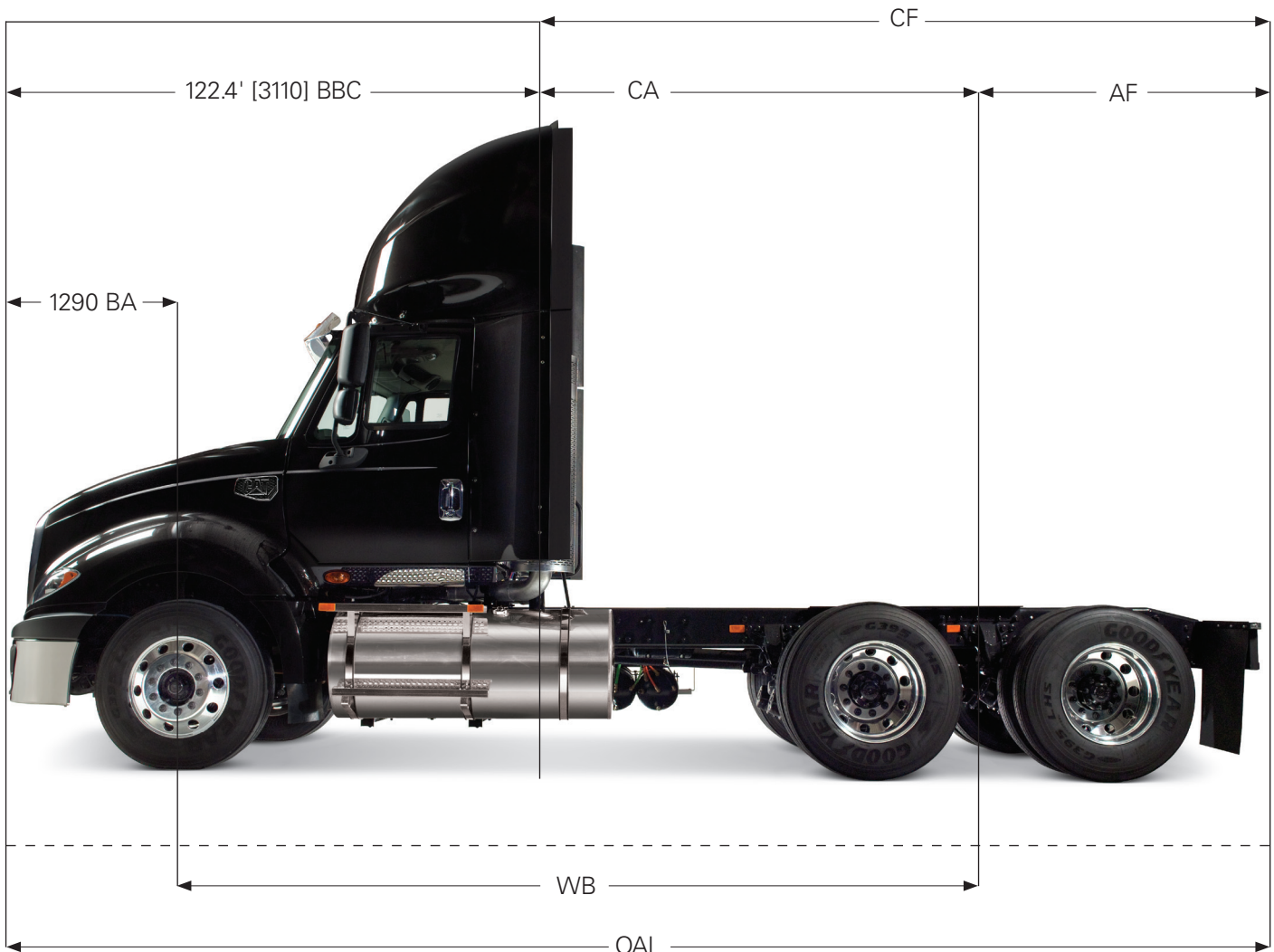
Wheels – Ten: polished alloy, 10-stud 285mm PCD, 8.25DC x 22.5
Tyres: Dunlop 295/80R22.5 16-ply on front axle
Dunlop 11R22.5 14-ply on rear axles

std
std
std

std
std
std

std
std
std

std
std
std



GVM - 24.5 tonne

GCM - HAS460 - 72-tonnes
(B-double truck & trailer) - standard

GCM - PAX460 - 90-tonnes
(B-double or highway RT) - optional

Bumper to Front Axle - 1290mm

COOLING SYSTEM

Over-and-under system

Charge air cooler: 1000 in² Water radiator: 545 in² Total package: 1545 in²

Nylon fan with air-operated two-speed Horton DriveMaster fan drive

TRANSMISSION

Fuller RTLO-20918B 18-speed overdrive

Lube pump & oil-to-air transmission cooler

REAR AXLE

Arvin Meritor RT-46-160

Capacity: 20.9 tonne

Ratios: 3.9:1

200-series wheel ends

Inter-differential power divider lock

Differential cross-lock on rear/rear axle

Electronic auto traction control standard

Aluminium hubs

REAR SUSPENSION

Hendrickson HAS-460 (1850 lb/ft) suspension to Australian specification with road friendly compliance

1397mm axle spacing with 241mm ride height

Suspension dump valve, control switch in instrument panel

Capacity: 20.9 tonne

REAR SUSPENSION OPTION

Hendrickson Primaax PAX460 high GCM-capacity air suspension road friendly compliant

Capacity: 20.9 tonne

Torque rods to control axle wind-up under all conditions

FUEL SYSTEM

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

980-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

Drivers seat, Gramag, air suspended, hi-back, leather trim with integrated seat belt

Passenger seat, Gramag, hi-back, air suspended, leather trim with integrated seat belt

Arm rest on both driver and passenger seats

Cat embroidered headrest on both driver and passenger seats

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

Stowage compartments in overhead console

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

Premium floor mats

Moulded access handles and electric windows

Carpet kick panels. Quarter vent windows. Rear window in day cab

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)

