

# CAT PERFORMANCE NOW AVAILABLE IN A TRUCK

## CT630 STANDARD SPECIFICATIONS



**William Adams**  
Truck Centres



# CT630

For over 85 years, Cat<sup>®</sup> 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  
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<sup>®</sup> 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<sup>™</sup>  
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)

	Wheelbase	Front	Rear	Total
Day Prime Mover w/ Aero	4750mm	4461	3447	7908
Day "Flex" spec w/ extenders	5200mm	4439	3435	7873
Extended cab w/o Aero/Primaax	5000mm	4530	3730	8260
Day "Flex" spec, no Aero/Primaax	5560mm	4520	3580	8100

### Dimensions (mm)

CA	CF	AF	OAL
2930	4530	1600	7640
3380	4980	1600	8090
2530	4130	1600	7240
3745	5345	1600	8455

### Turning Radius (m)

Curb/Curb	Wall/Wall
16.13	17.07
17.22	18.16
16.89	17.83
18.26	19.20

## STANDARD SPECIFICATIONS

### AERO EFFECTS

Aero cab extenders with grab handles on both sides

### TIPPER BODY

Body Height	1410mm
Body Length	4600mm
Cubic Metres	14.2m <sup>3</sup>

### WEIGHT

Front	4,720 kg
Rear	4,920 kg
Total	9,640 kg

### WHEELS AND TYRES

Wheels (Ten): bright finish alloy, 10-stud 285mm PCD 8.25DC x 22.5

Tyres: Front Axle	Dunlop 295/80R22.5 16 ply
Rear Axle	Dunlop 11R22.5 14 ply



Featured: Cat CT630 with Tipper Body

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 in<sup>2</sup> Water radiator: 545 in<sup>2</sup> Total package: 1545 in<sup>2</sup>

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)



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