

ELPHINSTONE

RMT15F

Tracked Road Rail Excavator



Engine

Engine Model Cat®	C4.4 ACERT™
Gross Power	74 kW / 100 hp
Net Power - SAE J1349	72 kW / 97 hp

Weights

Operating Weight (Nominal)*	23,000 kg	57,700 lbs
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* Depending on track gauge, stick and other options

Contents

Features1

Safety & Compliance2

 Stability & Profile Control.....3

 Rated Capacity Controller3

 Additional RCC Features.....6

 Compact Radius Design.....8

 Additional Safety Features8

Innovation & Reliability9

 Railmax Rail Guidance System.....9

 Operator Station13

 Engine14

 Hydraulic System15

Serviceability16

Support.....17

Specifications18

Standard & Operational Equipment.....23

Notes24

RMT15F Features

- ▮ **Safety and Compliance**
Setting industry benchmarks
- ▮ **Innovation and Reliability**
Getting the right tool for the job
- ▮ **Versatility and Productivity**
Giving you more choice
- ▮ **Serviceability**
Saving time and money
- ▮ **Customer Support**
Integrated factory and Cat® dealer support



The Elphinstone RMT15F Road Rail Excavator has been developed to meet industry demand for a compliant, certified and engineered rail maintenance excavator.

Based on the Cat® 315F L Hydraulic Excavator, the machine is then fitted with the Railmax® rail guidance system.

Unrivalled safety features, regulatory compliance, systems innovation and product support ensure this machine delivers integrated solutions to the rail industry.

Safety and Compliance

Setting industry benchmarks.

The RMT15F road rail vehicle has been designed and engineered as a premium quality rail maintenance solution, incorporating unrivalled safety features and functionality that enable professional rail maintenance teams to safely and reliably achieve new levels of productivity.



The machine is equipped with an intuitive Rated Capacity Controller that continually monitors the excavator's operational status and is able to enforce stability, slew and height limits.

Further, the robust, state-of-the-art Railmax® rail guidance system provides:

- ✓ Runaway prevention during rail wheel deployment
- ✓ Optimised braking performance and motive power
- ✓ Industry standard direction signal lights
- ✓ Towing points (front and rear) with comprehensive trailer connections

Compliance

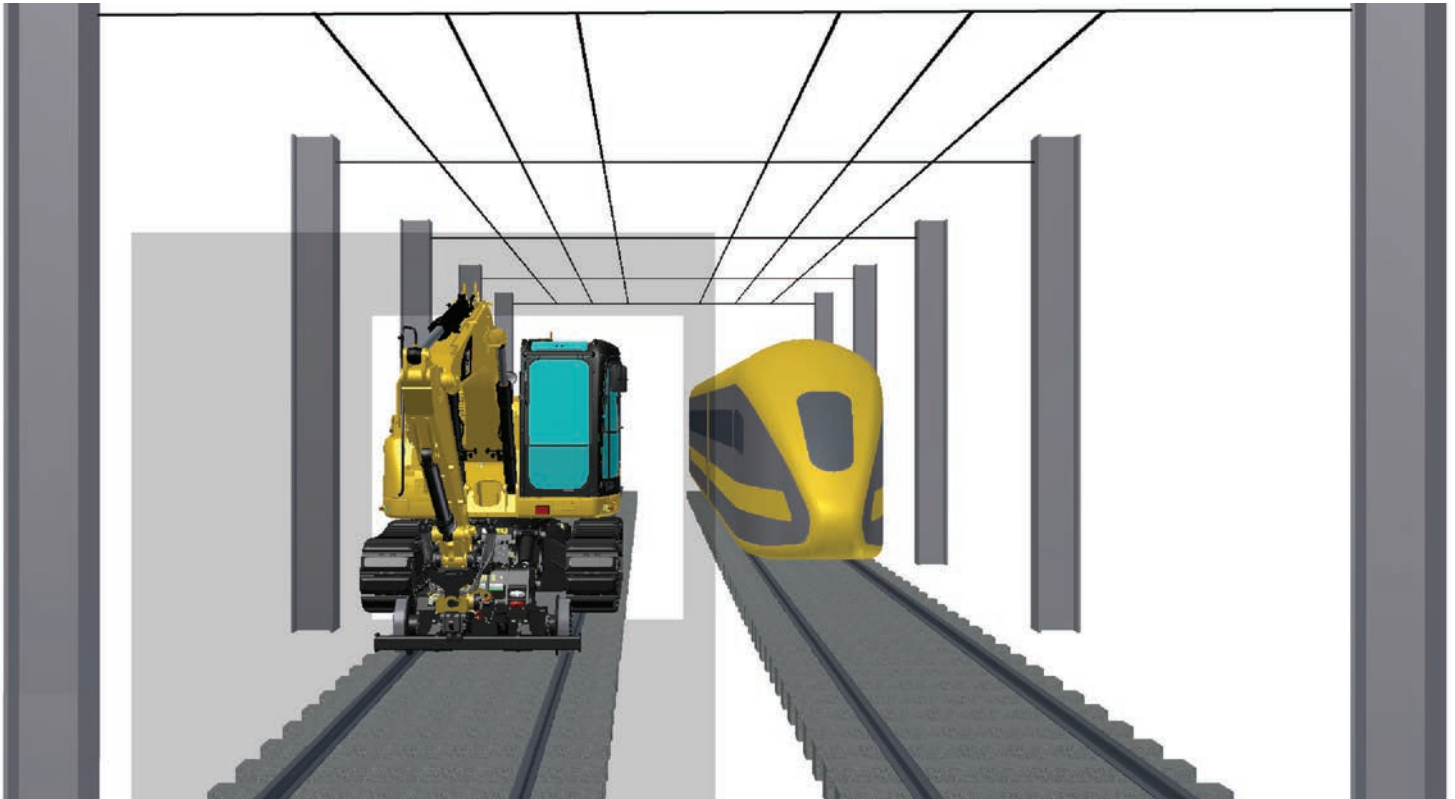
Designed to AS7500 series standards, the RMT15F is compliant to Australian and International regulations, is certified to work under live overhead wires and beside operational parallel rail lines.

The Railmax® rail guidance system is offered to suit narrow (1067mm), standard (1435mm) or broad gauge (1600mm) track configurations. (A hydraulically actuated standard / broad gauge option is also available.)



Safety and Compliance

Industry leading machine control systems.



Stability and Profile Control

As shown above, the RMT15F is able to operate within a specified profile, defined by preset height, slew and load limits, ensuring safe, uninterrupted machine operation.

The ability to prevent any part of the machine being placed inside the rolling stock outline of a parallel track eliminates the need for track closures. Ensuring the boom, stick and work tools* are unable to breach pre-set height restrictions, enables the machine to work under live overhead conductors. (* Requires configuration)

Rated Capacity Controller

The Elphinstone RMT15F road rail excavator is equipped with an **Elphinstone designed electronic Rated Capacity Controller (RCC)** that continually monitors the machine's stability** and operational status, providing concise, accurate information to the operator via a multi-coloured, touch screen display, (pictured next page).

Strategically placed sensors on various moving parts of the machine measure the exact position of components in real time and prevent any deviations into danger zones.

Electronic joysticks complement the Rated Capacity Controller by providing proportional machine control, maximising operator comfort and component longevity. Progressively slowing machine movements as components approach operating profile restrictions, eliminating the inertia effect, regardless of engine throttle settings.

The Rated Capacity Controller stops the machine exceeding stability, height and slew limits, and will automatically log all interventions for review. Limits can only be changed by personnel issued with a key.

Sensing is double redundant using CANBUS technology. The system meets the requirements of rail authorities for the machine's operation under live conductors and beside parallel, operational rail lines.

**Monitored parameters include: track cant/gradient, rail guidance system heights, car body slew, boom angle, stick angle, quick-coupler rotation/tilt angles and lift capacity.

Safety and Compliance

Accurate, intuitive, reliable.

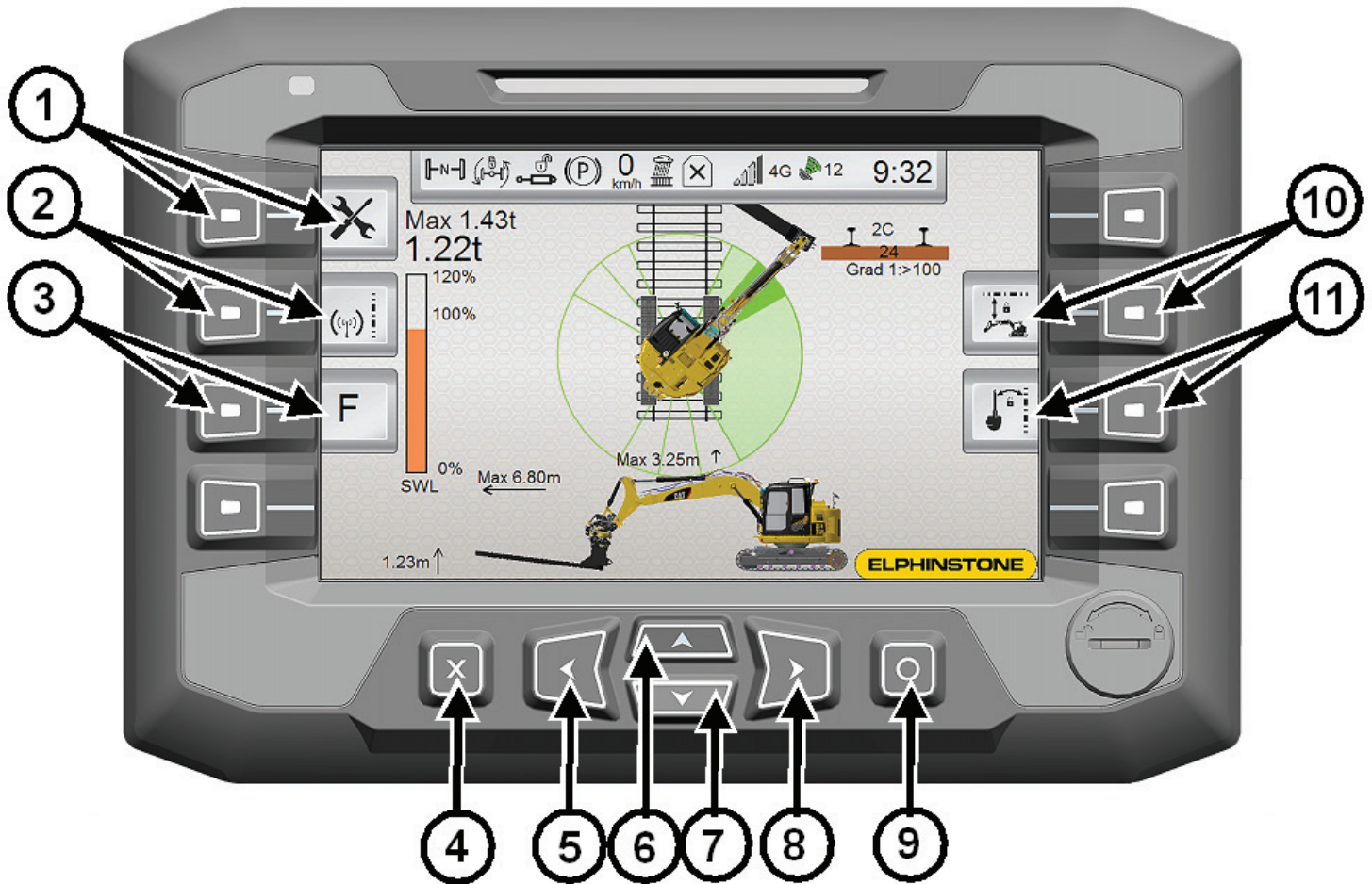
The Rated Capacity Controller (RCC) restricts the machine's lifting capacity and on-rail tramming speeds depending on whether the machine is working on its own tracks, or on the rail guidance system at its work or travel height, the track gradient/cant and whether the excavator is working within the relevant rolling stock outline.

Elphinstone has now combined the Rail Guidance Control System, Electro-Hydraulic Control and Rated Capacity Controller (RCC) into one platform, all accessible via an interactive 7" Touch Screen.

The New Elphinstone Rated Capacity Controller (RCC)

Operator Interface — via tactile buttons or touch-screen icons

The new RCC utilises proven industrial components, Elphinstone software programming and high resolution graphics to deliver both industry standard information plus the additional features listed below.



1. Settings

2. Virtual Fence (If fitted)

3. Function

4. Exit

5. Navigate Left

6. Navigate Up

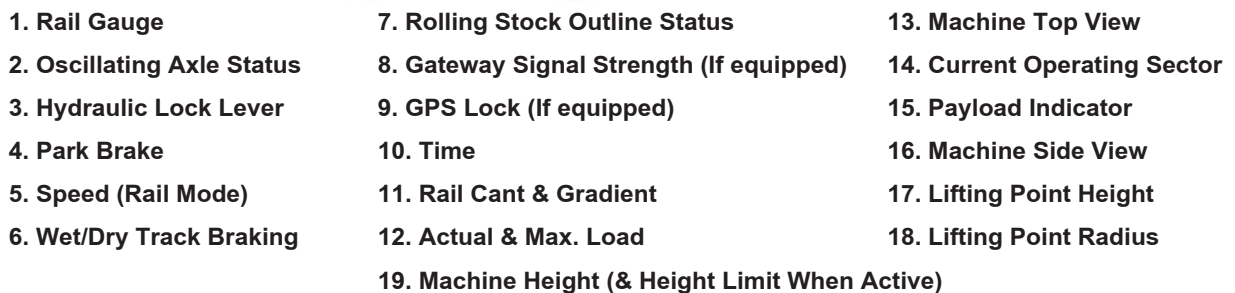
7. Navigate Down

8. Navigate Right

9. Enter

10. Set Height Limit

11. Set Slew Wall / Angle Limit



In order as pictured from top to bottom:

- Indicator beacons and aerials:

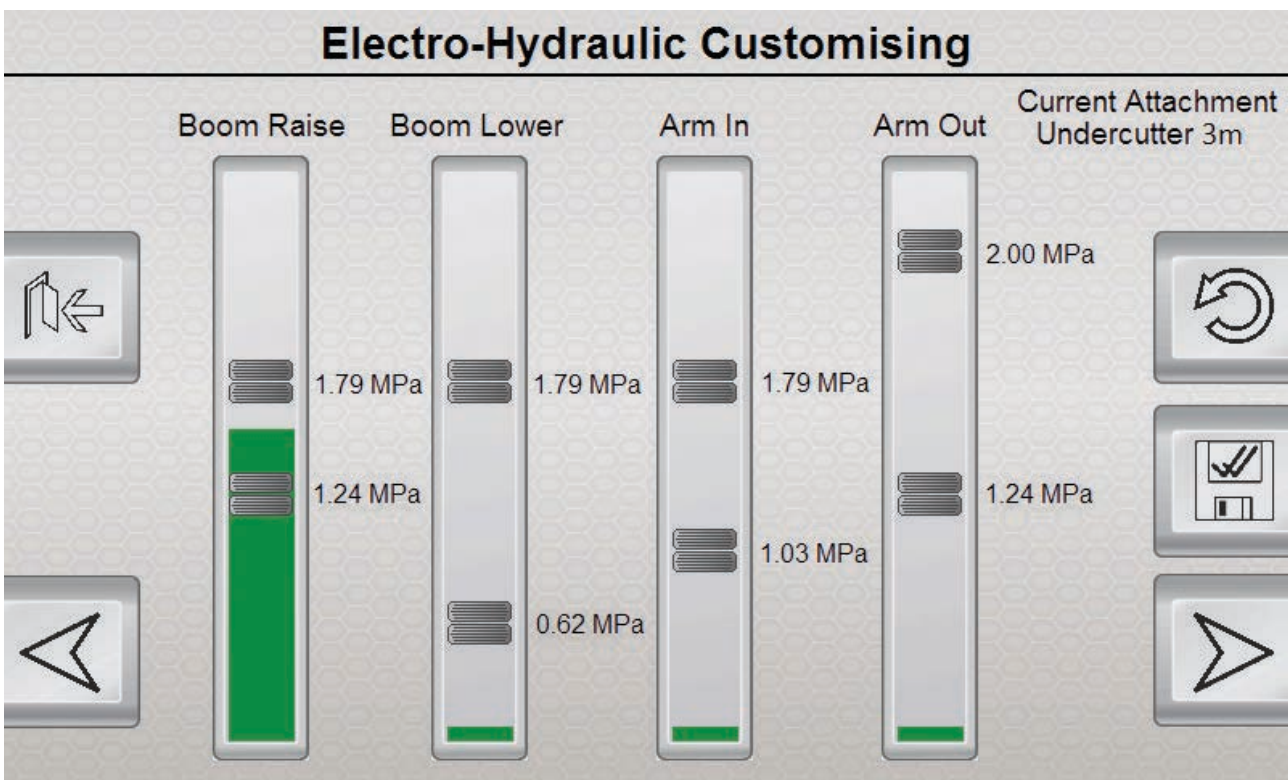
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Additional RCC Features

a) Electro-Hydraulic Customising

Operators can select the Electro-Hydraulic Customising screen shown below and use the touch-screen slider display to optimise the responsiveness of the excavator's controls — for either fine position control or greater capacity — and then save the settings either for personal re-use or for use by other operators when using particular tools or for performing specific work tasks.



RCC Electro-Hydraulic Customising Screen (Typical— one of several)

The Elphinstone RCC can also provide the operator with additional information about the rail guidance system status and electro-hydraulic performance, including distance travelled, hours of operation, braking deceleration rates and stopping distance (for braking performance compliance checks).

The RCC automatically logs the machine's status every second. Information recorded includes:

Date & time	Lifting point radius	Rail gradient
Current tramming speed	Upper car-body slew	Current work tool selection
Current payload	Machine height	Joystick positions
% of current max. payload	Rail cant	Axle oscillation status
GPS status (if equipped with remote modem)		

The RCC also automatically logs machine events such as overloads and system faults.

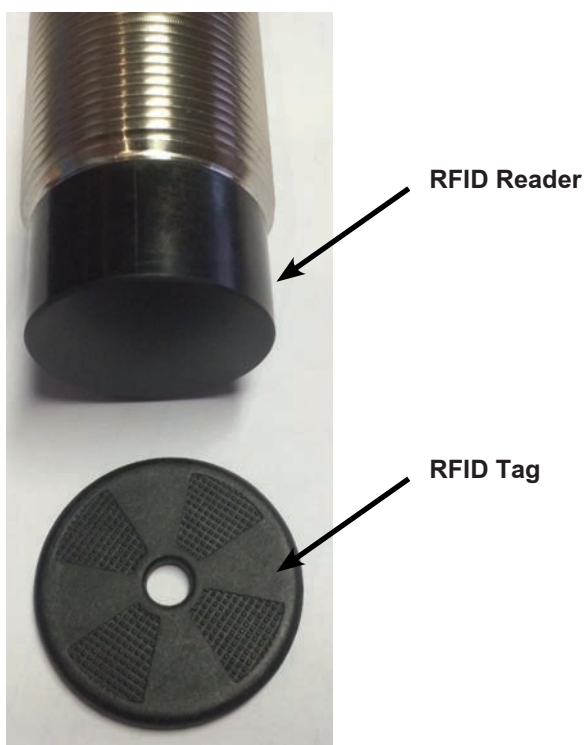
Additional RCC Features

b) Elphinstone can now utilise Radio Frequency Identification (RFID) to:

- i) Configure and tune the excavator's controls to suit each operator's preferences (including joystick button function allocation).
- ii) Provide work tool recognition which relieves the operator of the need to select the correct work tool menu option and RCC settings.



RCC Work Tool Recognition Screen



The tag pictured can be programmed to represent any of the work tools illustrated on the screen — or other work tools, with factory assistance.

The reader then uploads the applicable settings for the RCC system, (e.g. work tool dimensions and mass) along with any electro-hydraulic customisation settings for joystick feel and speed.

The RFID Tag can be programmed with usage data (e.g. hours) specific to the individual attachment for statistical data analysis.

Safety and Compliance

Peace of mind.

Compact Radius Design

The RMT15F features a compact radius design enabling it to operate safely and efficiently when confronted with physical space restrictions such as parallel rail lines, signalling equipment, buildings, platforms, walls, fences and embankments.

The tail swing radius is 1.53 metres, creating only 285mm of overhang beyond the track width when the upper car body is slewed 90 degrees.

The boom is located close to the centre of the machine, which reduces the front swing radius when the boom is raised to maximum height, and the stick is brought in. These features significantly reduce the risk of damaging the machine and work site structures, minimising cost and operator stress.



Additional Safety Features

As pictured from left to right:

- Three emergency stop switches are provided, one within the operator station, one at the entrance to the operator station, and one on the opposite side of the upper car body.
- The machine features 4 pole lockable battery isolation
- Generously sized mirrors and a rear view camera enhance visibility ensuring operators can continuously monitor the work environment.
- A lockable personnel barrier prevents access to the top of the upper car body while the excavator is operating under live overhead conductors.
- Brake lights are installed on both the front and rear of the excavator.
- Direction signal lights are located on both the front and rear of the excavator.



Innovation and Reliability

Getting the right tool for the job.



Railmax® Rail Guidance System

Advanced engineering and finite element analysis (FEA) software were used during design to analyse all structures and create a durable, reliable machine for the toughest of applications.

- ✓ The X-shaped, box section car-body provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units that deliver exceptional strength and service life.
- ✓ Rather than bolt-on attachments, weld-on pivot anchors are specifically designed to complement Caterpillar's existing track frame design, adding both strength and function without creating stress concentrations that may otherwise cause fatigue cracking. All chassis components are situated well within the rolling stock outline.
- ✓ The four (4) rail wheels are manufactured from forged steel and are insulated to avoid triggering crossing signals. (Wheel insulation can be removed upon request).
- ✓ The possibility of free wheeling or scuffing rail wheels during deployment or retraction of the rail guidance system is eliminated, as the park brakes in the moving system are released, while those in the track drive motors and stationary rail guidance system remain applied.
- ✓ Unintended raising or lowering of the rail guidance system is prevented by pilot operated lock valves built into the lift cylinders. The Rated Capacity Controller prevents deployment of the rail guidance system if the pre-set height limits are exceeded.
- ✓ Both track and rail-wheel drive motors are equipped with automatic speed selection to enable the RMT15F to automatically change between low/high speed travel in a smooth, controlled manner.
- ✓ Both front and rear rail guidance systems include tow points with quick connections for hydraulic trailer functions (controlled from the operator station). The rail guidance system includes connections for hydraulic trailer service / park brakes and trailer mounted rail signal lights.
- ✓ A towing kit is also available.
- ✓ Track entry is efficient with precise control and large clearance angles at the front and rear of the machine (30 degrees).
- ✓ Excavator track links are sealed and lubricated to decrease internal bushing wear and increase track life.

Innovation and Reliability

Solutions for the rail industry.

Rail Guidance System Features

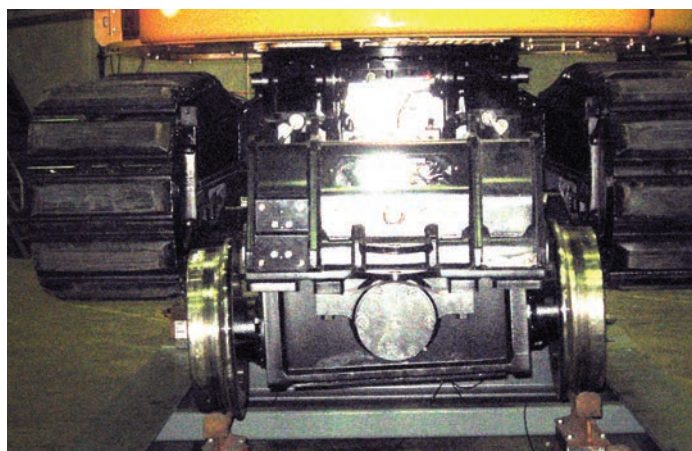
As pictured from left to right:

- Simple, fast track entry with generous rail head clearance.
- Structural integrity. Robust chassis and anchor points.
- Towing bar conveniently and safely stored on the track frame.
- Towing point with trailer electric and hydraulic connections.
- Sensors that ensure correct deployment of the rail wheel systems.



Oscillation Lock

A pivoted rear axle enables the four (4) rail wheels to remain in contact with the rail heads at all times during on-rail operation, as required by regulatory standards. This pivot is automatically locked when the machine is stationary to increase lifting capacity and machine stability.



Operating Heights

Pictured left: At travel height, additional clearance ensures obstacle avoidance and smooth operation. When the machine is engaged at travel height, the allowable speed limit is 20 kilometres per hour.

Pictured below right: At work height, the machine is lowered to ensure maximum stability and easier access for track maintenance requirements. When the machine is engaged at work height, the maximum speed limit is automatically restricted to 4 kilometres per hour.



Innovation and Reliability

Giving you more choice.



Work Tools

Elphinstone offers a variety of rail-specific work tools which include:

- ✦ A ballast under-cutter bar.
- ✦ A sleeper grab.
- ✦ A ballast tamper.

A wide range of Cat general purpose attachments including buckets, hammers, rotary brooms, thumbs, grapples, shears, pulverizers and vibratory compactors are also available.

Hydraulic Rotating/Tilting Quick Coupler

The RMT15F is equipped with a hydraulic rotating/tilting quick coupler (complete with double auto-locking jaw arrangement) for the convenient attachment of a wide variety of work tools. Medium pressure, auxiliary hydraulic lines are routed through a rotary joint in the coupler to enable the continuous rotation of hydraulic powered attachments.



Innovation and Reliability

Giving you more choice.

Tool Control Systems

The Tool Control System enables operators and technicians to set auxiliary hydraulic flows and pressures via the cabin monitor, instead of using expensive service tools. Flow and pressure settings for optimum operation of up to 10 different hydra-mechanical work tools can be pre-set and stored. They can then be quickly selected as required to maximise machine productivity with each attachment.

The operator can regulate flow in the high pressure auxiliary circuit, control the operating speed of tools (such as the ballast under-cutter bar), by means of a pedal control, without having to let go of the joystick controls.

Towing

The machine has a genuine 50 tonne braked towing capacity (25 tonne front and rear) on a 1:30 gradient with:

- ▮ The ability to rescue a companion machine (as illustrated below). Note: quick coupler connections are provided that enable braking systems of both machines.
- ▮ Quick connect couplings for hydraulic and electrical trailer connections, including park and service brakes, auxiliary hydraulic/electrical functions, direction signals and brake lights.

Traction

- ▮ A four-wheel-drive rail system, incorporating traction control to minimise wheel slippage and wheel/rail head wear.
- ▮ Operator controlled dual braking performance modes for wet and dry rails, coupled with anti-lock braking system to minimise skidding.



Operator Station

Maximum comfort and visibility, minimum fatigue.



Additional Safety Features

A spacious, quiet and comfortable operator station is provided.

The cab is pressurised to reduce dust, keeping the operator comfortable the entire shift, while assuring high productivity during long work days:

- ▮ The comfortable seat adjusts to suit the operator's size and weight. A heated, air suspension seat is available as an option.
- ▮ Standard air-conditioning with automatic climate control adjusts temperature and airflow.
- ▮ Low effort electronic joystick controls are designed to match the operator's natural wrist and arm position. Joysticks can be operated with arms on the adjustable armrests. The horizontal and vertical movements are designed to minimise fatigue.
- ▮ Electronic joysticks provide proportional machine control, maximising operator comfort and component longevity.

Prestart Check and Monitor Display

Prior to starting the machine, the system checks for low engine oil, hydraulic oil and engine coolant fluid levels and warns the operator through a colour Liquid Crystal Display (LCD) monitor. The LCD monitor displays vital operating and performance information, in 29 different languages, for operator convenience. The LCD monitor can record working hours for filters, fluids, components and work tools. Working time histories and recommended change intervals can be displayed.

Cab Exterior

An external Roll Over Protection System (ROPS) is available as an option. A front windshield screen (product option) may be attached to the cab to protect the windscreen during ballast undercutting operations.

The cabin is attached to the frame with viscous rubber cab mounts that dampen vibrations and reduce sound levels to enhance operator comfort.

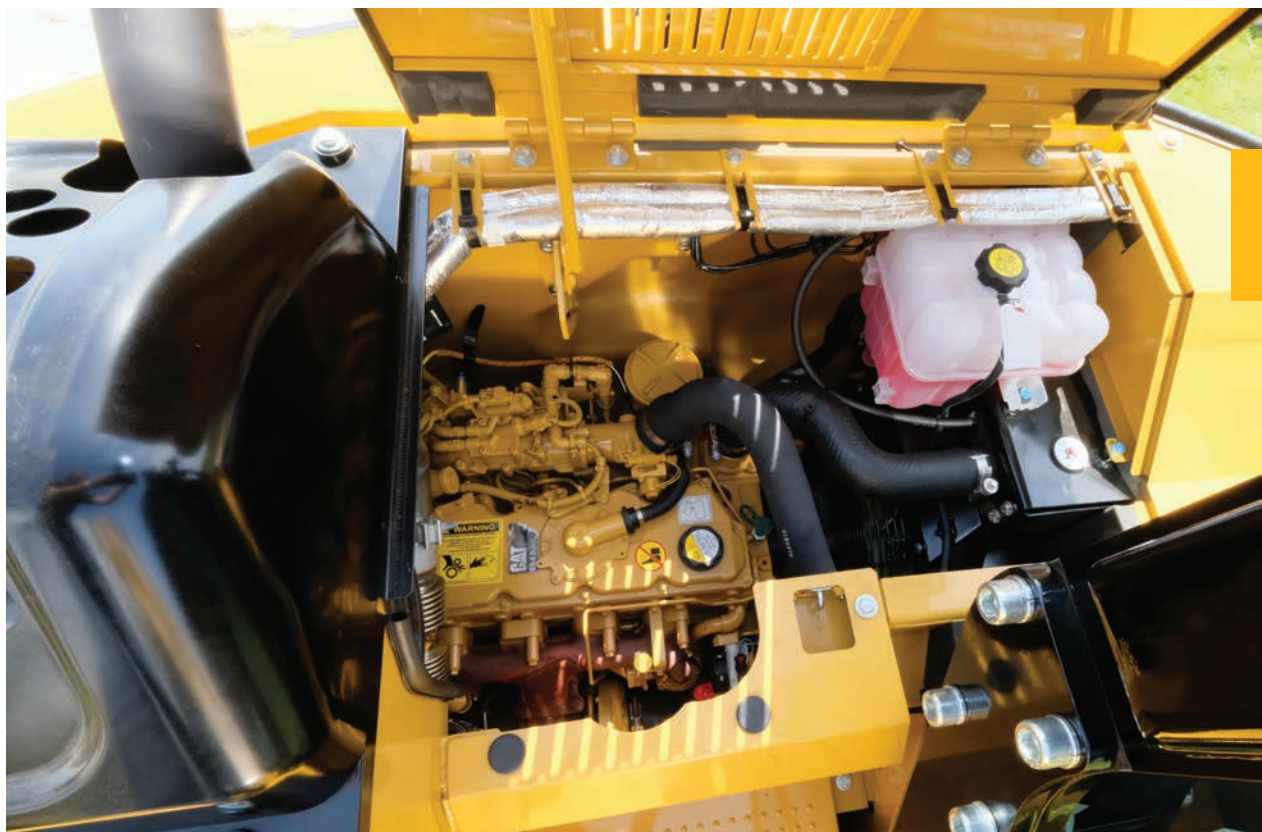
Machine Security System

An optional Machine Security System (MSS) utilises a programmable key, deterring theft, vandalism and unauthorised usage. MSS uses electronically coded keys selected by the customer to limit usage by individuals or time parameters.



Engine

Delivering greater fuel efficiency with less emissions.



The Cat C4.4 engine with ACERT™ Technology optimises performance and meets US EPA Tier 4 Final and EU Stage IIIB regulations. In conjunction with integrated electronics, ACERT™ Technology reduces emissions during the combustion process by using advanced technology in the air and fuel systems. The Cat C4.4 engine delivers exceptional power, allowing more hydraulic pressure to drive productivity and reduce your cost per tonne of material moved.

Automatic Engine Control and Fuel Delivery

A two-stage control and one-touch low idle button maximises fuel efficiency and reduces sound levels. Fuel delivery is managed by the ADEM™ A4 Engine Controller for the best performance per litre of fuel used. Flexible fuel mapping allows the engine to respond quickly to varying application needs.

Crankshaft and Pistons

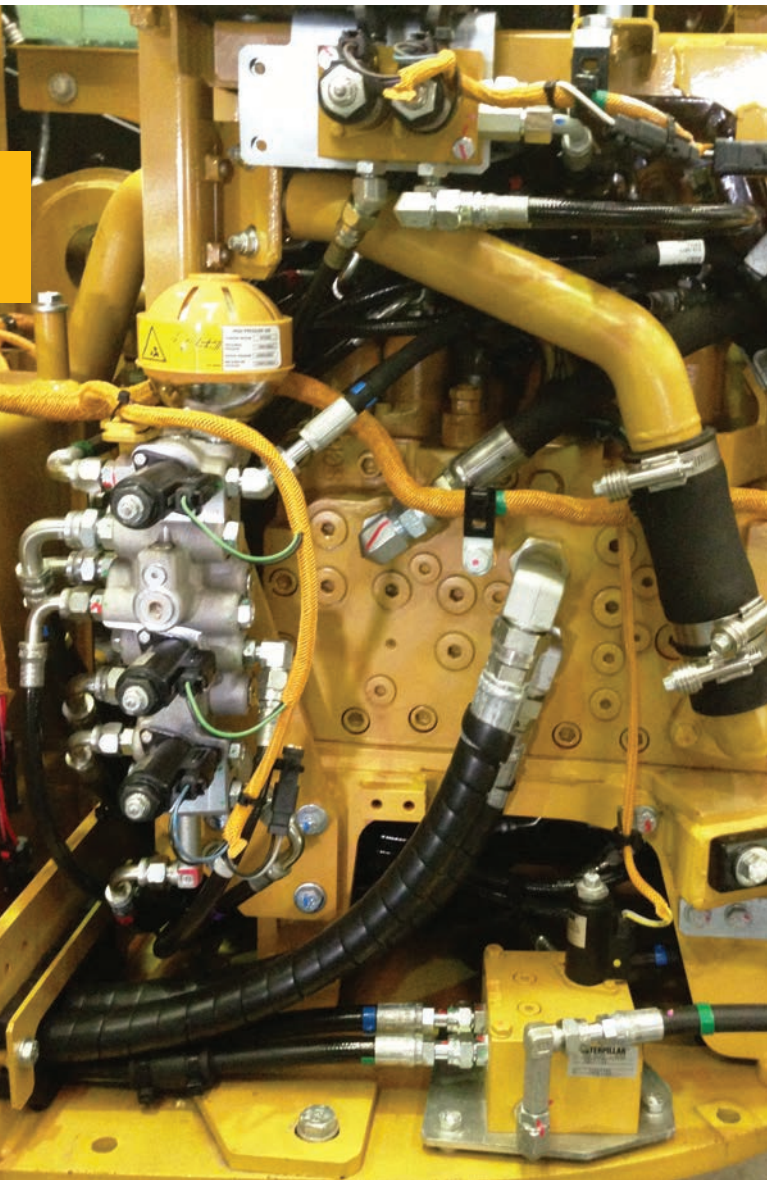
A forged, one-piece, induction hardened crankshaft enhances balance, decreases vibration and improves abrasion resistance. Heat resistant, aluminium alloy pistons have a short compression height for greater efficiency and longer life.

Economy Mode

Accessible via the in-cab monitor, economy mode allows the operator to balance the demands of performance and fuel economy while maintaining the breakout forces and lift capacity enjoyed at standard power.

Hydraulic System

Efficient performance.



The RMT15F hydraulic system features CANBUS controlled, fully proportional electro-hydraulic controls, integrated with a Rated Capacity Controller, that together provide unrivalled control and safety.

A hydraulic cross-sensing system utilises two hydraulic pumps at up to 100 percent of available hydraulic horsepower under all operating conditions, improving productivity with faster implement and manoeuvring speeds.

Flow is reduced to a minimum when controls are in neutral to reduce fuel consumption and extend component life.

Auxiliary hydraulic lines are routed to the stick as standard, making interchange of attachments much easier. The compact design utilises short tubes and lines, reducing friction and pressure drops, resulting in the efficient use of power.

Hydraulic snubbers at the rod end of the boom cylinders and both ends of the stick cylinder cushion shocks, reduce sound and increase cylinder life.

All hydraulic cylinders are equipped with load check valves, providing hose burst protection.

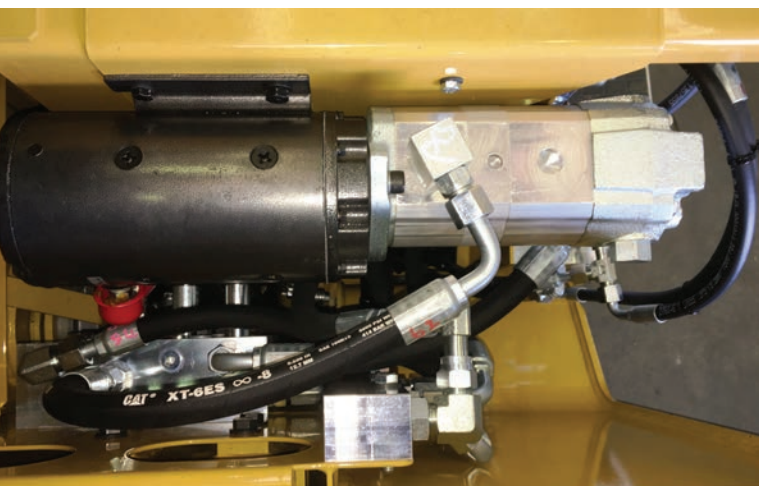
Easy Operation

Full hydraulic power is available at all times. Operators do not need to learn different modes, as a boom and swing priority function automatically selects the best mode based on joystick movement.

Electric Auxiliary Pump

The operator can activate an electric back-up pump to reposition machine components within the rolling stock outline and not so facilitate quick machine relocation if main hydraulic power is lost.

Pictured: auxiliary hydraulic pump with the covers removed (for illustration purposes only).



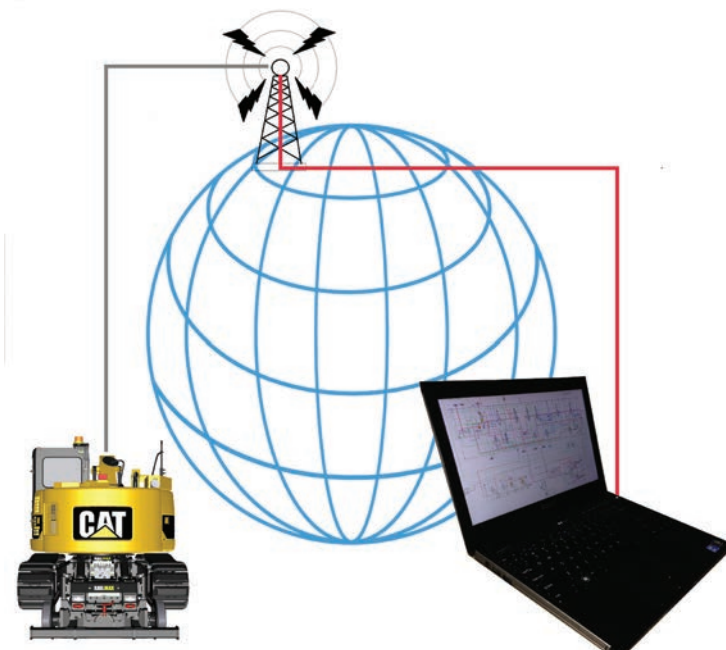
Serviceability

Simplified service and maintenance.

Designed with the service technician in mind, most service points are accessible from ground level, so critical maintenance tasks can be carried out quickly and efficiently.

Remote Access Modem

The RMT15F may be equipped with a remote access modem that enables factory personnel to update vehicle software, monitor system operations, diagnose machine faults and change specific parameters. The modem is available as a product option and operates via the cellular network.



Air Filter

A double-layered filter core in the radial seal air filter gives more efficient filtration. A warning is displayed on the monitor when dust accumulates above a pre-set level. This filter is conveniently located in the compartment behind the cab.

Accessible Filters

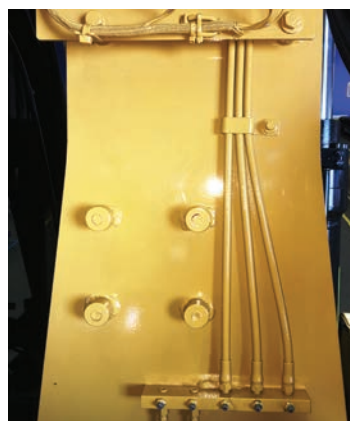
Spin-on filters are conveniently grouped and accessible from ground level. A capsule-type, hydraulic return filter, accessible from outside the tank, prevents contaminants from entering the system when changing the hydraulic oil.

Accessible Lubrication Points

Boom grease lubrication points are centralised, preventing the operator from having to climb onto the excavator's boom.

Sampling Ports

The machine is equipped with S-O-S™ sampling ports and test ports for hydraulics, engine oil and coolant for quick diagnostics. (Pictured left are typical test points with the covers removed for illustration purposes only).



Support

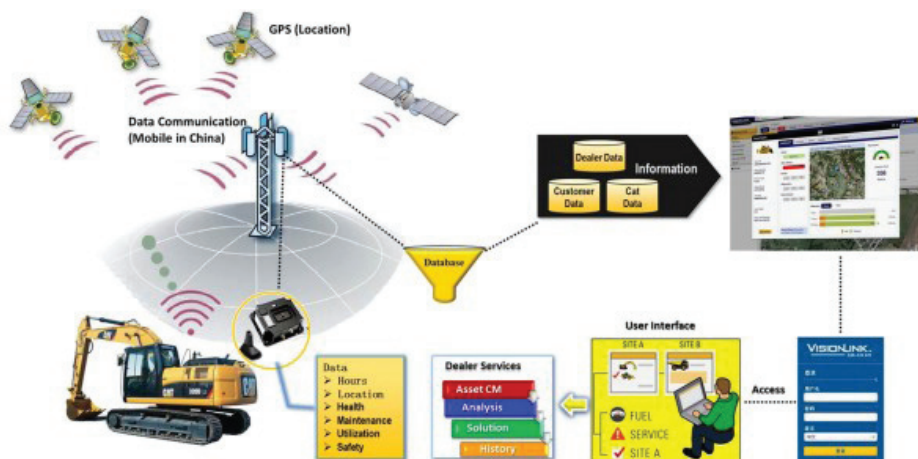
Integrated factory and Cat dealer support.



Your Cat dealer is ready to assist you with your purchase decision and everything thereafter.

- ✦ Make detailed comparisons of the machines you are considering before you buy with estimates of component life, preventive maintenance and the true cost of production.
- ✦ Customise the machine that is right for you.
- ✦ Get the latest training literature and trained staff.
- ✦ Repair option programs guarantee the cost of repairs up front.
- ✦ Nearly all parts are available at dealer parts counters or online via the Dealer PartStore®.

- ✦ Financing packages are flexible to meet your needs.
- ✦ Your Cat dealer can evaluate the cost involved in repairing, rebuilding and replacing your machine so you make the right choice.
- ✦ Product Link™ assists with fleet management by tracking machine usage, location and product health via satellite (pictured below).
- ✦ Factory personnel can remotely troubleshoot many aspects of your machine's performance (via the cellular network.)



RMT15F Road Rail Excavator Specifications

Engine

Engine Model	Cat®C4.4	ACERT™
Gross Power	74 kW	100 hp
Net Power (SAE J1349)	72 kW	97 kW
Bore	105 mm	4.1 in
Stroke	127 mm	5.0 in
Displacement	4.4 L	270 in ³

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator
- The RMT15F meets U.S. EPA Tier 4 Final and EU Stage IV emissions requirements.

Weights

Operating Weight (Nominal)*	23,000 kg	50,700 lb
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* Depending on track gauge and stick options

Drive

Maximum Drawbar Pull (on tracks)	113 kN	25,400 lb
Towing Capacity Braked (on rail) t	2 x 25 Tonne	2 x 55,125 lb
Travel Speed (on tracks)	5.5 km/h	3.4 mph
Travel Speed (on rail)	20 km/h	12.4 mph

Swing Mechanism

Swing Torque	30.9 kN m	22.825 lb/ft
Swing Speed	11.5 rpm	11.5 rpm

Hydraulic System

Main Implement System - Maximum Flow (2x)	128 L/min	34 gal/min
Maximum Pressure - Implements (HP)	30,500 kPa	4,242 psi
Maximum Pressure - Travel (on tracks)	35,000 kPa	5,080 psi
Maximum Pressure - Travel (on rail)	35,500 kPa	5,080 psi
Maximum Pressure - Swing	23,000 kPa	3,336 psi
Pilot System - Maximum Pressure	4,120 kPa	598 psi

Hydraulic System Continued

Boom Cylinder - Bore	110 mm	4.3 in
Boom Cylinder - Stroke	1000 mm	39.4 in
Stick Cylinder - Bore	120 mm	4.7 in
Stick Cylinder - Stroke	1197 mm	47.1 in
Bucket Cylinder - Bore	100 mm	3.9 in
Bucket Cylinder - Stroke	939 mm	37 in
Tilting Rotator	Rototilt R5 with medium pressure auxiliary hydraulic lines via rotary joint	
Quick Hitch	PUP65 automatic double safety hitch	

Service Refill Capacities

Fuel Tank	178 L	47 gal
DEF Tank	19 L	5 gal
Cooling System	28 L	7.4 gal
Engine Oil	13.5 L	3.6 gal
Swing Drive (each)	2.4 L	0.6 gal
Final Drive-Track (each)	3 L	0.8 gal
Hydraulic System (including tank)	160 L	42.3 gal
Hydraulic Tank	84 L	22.2 gal

Sound Performance

ISO 6396 Operator noise (closed)	69dB (A).
ISO 6395 Spectator noise	101dB (A).

- When properly installed and maintained, the cabin offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture..
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Standards Compliance

AS 7500 series of standards including track forces, dynamic behavior, wheels, etc.

Applicable ISO Standards.

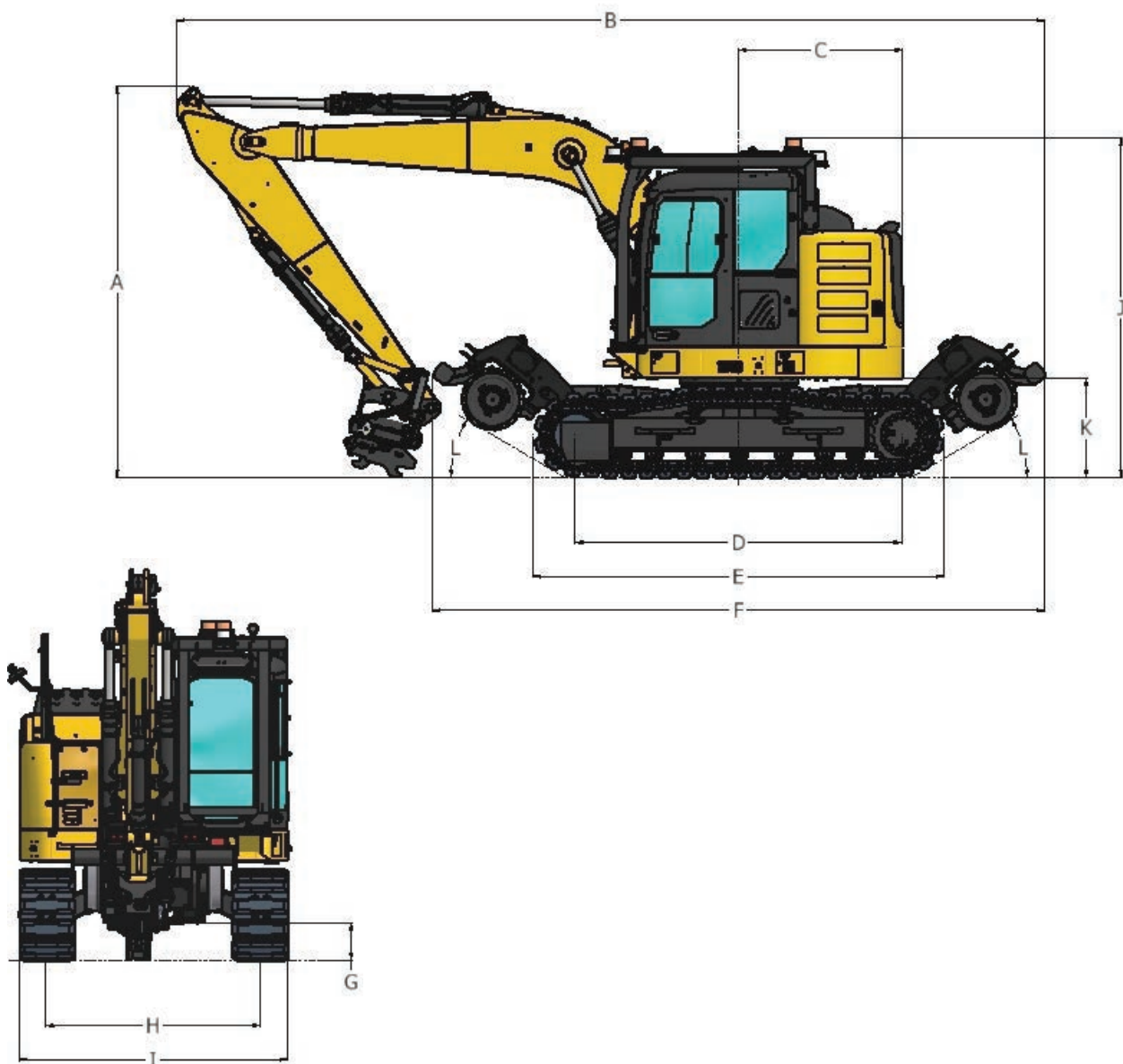
Australian Rail Track Corporation (ARTC).

Aurizon, Queensland Rail.

RAILCORP.

RMT15F Road Rail Excavator Specifications

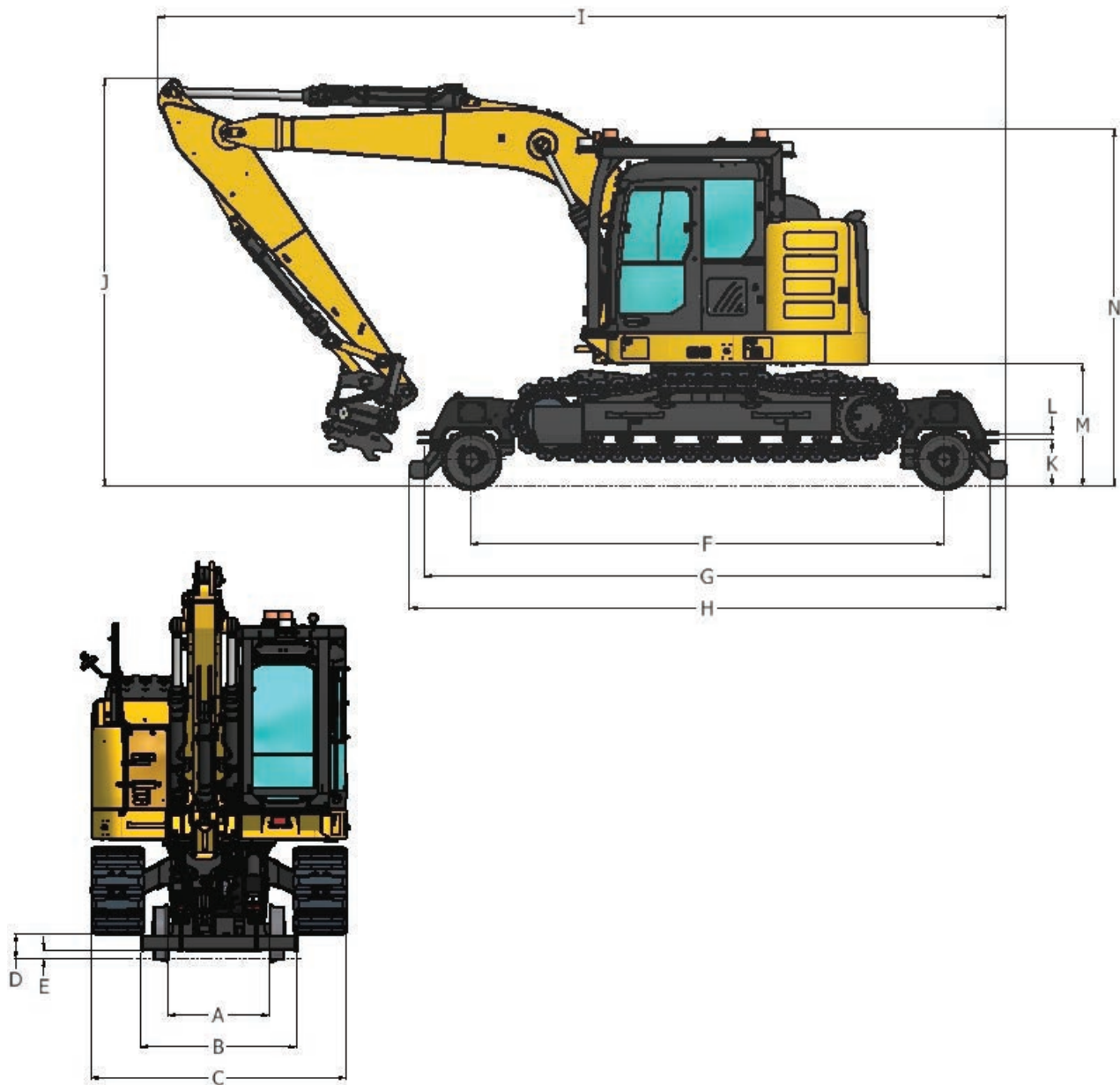
Shipping dimensions (all dimensions are approximate).



Stick Options	0.976 m	3.00 m	1.10 m
A Shipping Height.	3,160 mm (10' 5")	3,160 mm (10' 5")	3,650 mm (11' 9")
B Shipping Length	8,460 mm (27' 9")	8,480 mm (27' 10")	8,100 mm (26' 50")
C Tail Swing Radius (with heavy counterweight)	1,530 mm (5' 0")	1,530 mm (5' 0")	1,530 mm (5' 0")
D Length to Centre of Rollers	3,040 mm (10' 0")	3,040 mm (10' 0")	3,040 mm (10' 0")
E Track Length	3,830 mm (12' 7")	3,830 mm (12' 7")	3,830 mm (12' 7")
F Undercarriage Length	5,700 mm (18' 9")	5,700 mm (18' 9")	5,700 mm (18' 9")
G Ground Clearance	348 mm (1' 2")	348 mm (1' 2")	348 mm (1' 2")
H Track Gauge	1,990 mm (6' 6")	1,990 mm (6' 6")	1,990 mm (6' 6")
I Transport Width	2,490 mm (8' 2")	2,490 mm (8' 2")	2,490 mm (8' 2")
J Fixed Height (ROPS)	3,160 mm (10' 5")	3,160 mm (10' 5")	3,160 mm (10' 5")
K Counterweight Clearance	920 mm (3' 0")	920 mm (3' 0")	920 mm (3' 0")
L Approach/Departure Angle	30°	30°	30°

RMT15F Road Rail Excavator Specifications

On-Rail dimensions (all dimensions are approximate).

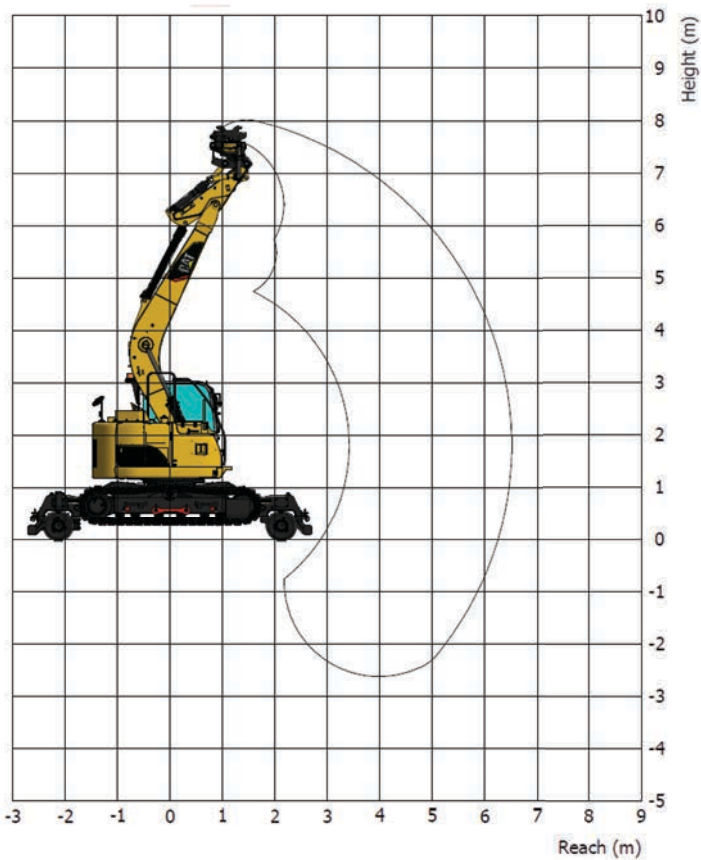


Rail Gauge	Narrow (1067mm) (3'6")	Standard (1435mm) (4'8.5")	Broad (1600mm) (5'2")
A Wheel Flange Back to Back	991.0 mm (3'3")	1,358.5 mm (4'5")	1,523.5 mm (5'0")
B Bar Width	1,520 mm (5'0")	1,860 mm (6'1")	1,860 mm (6'1")
C Overall Width	2,490 mm (8'2")	2,490 mm (8'2")	2,490 mm (8'2")
D Track Clearance	250 mm (9.8")	250 mm (9.8")	250 mm (9.8")
E Axle Clearance	88 mm (3.5")	92 mm (3.6")	92 mm (3.6")
F Wheel Base	4,500 mm (14'9")	4,500 mm (14'9")	4,500 mm (14'9")
G Tow Pin Centres	5,400 mm (17'9")	5,400 mm (17'9")	5,400 mm (17'9")
H Undercarriage Length	5,670 mm (18' 7")	5,670 mm (18' 7")	5,670 mm (18' 7")
I Length On Rail	8,460 mm (27' 9")	8,480 mm (27' 10")	8,100 mm (26' 50")
J Height on Rail	3410mm (11'2")	3410mm (11'2")	3900mm (12'8")
K Tow Pin Height	443 mm (1'5")	443 mm (1'5")	443 mm (1'5")
L Tow Pin Opening	60 mm (2.4")	60 mm (2.4")	60 mm (2.4")
M Counterweight Clearance	1,170 mm (3'10")	1,170 mm (3'10")	1,170 mm (3'10")
N Fixed Height	3,410 mm (11'2")	3,410 mm (11'2")	3,410 mm (11'2")

RMT15F Road Rail Excavator Specifications

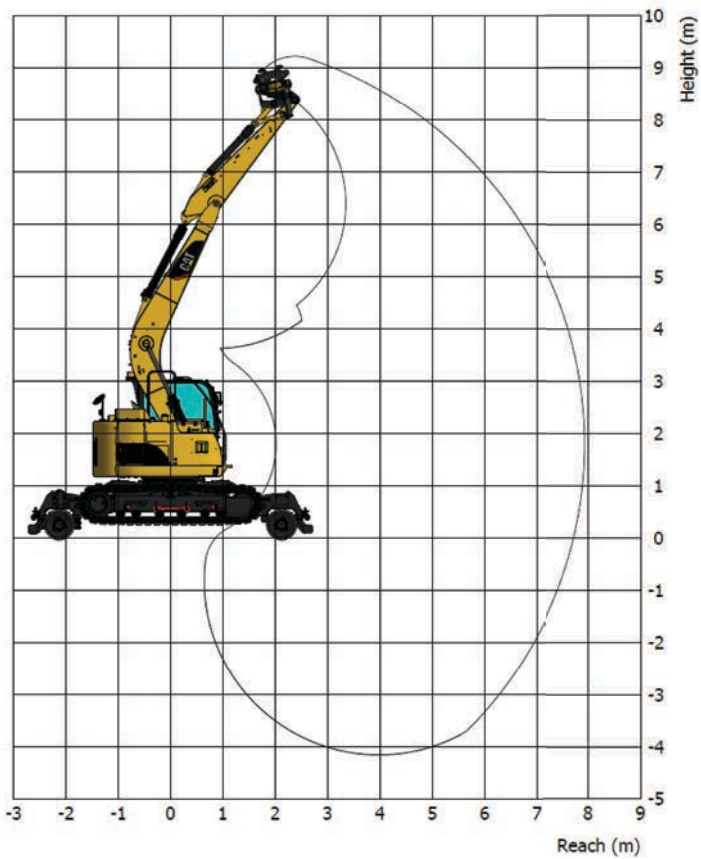
On-Rail 0.976 metre stick working range

(all dimensions are approximate).



On-Rail 3.0 metre stick working range

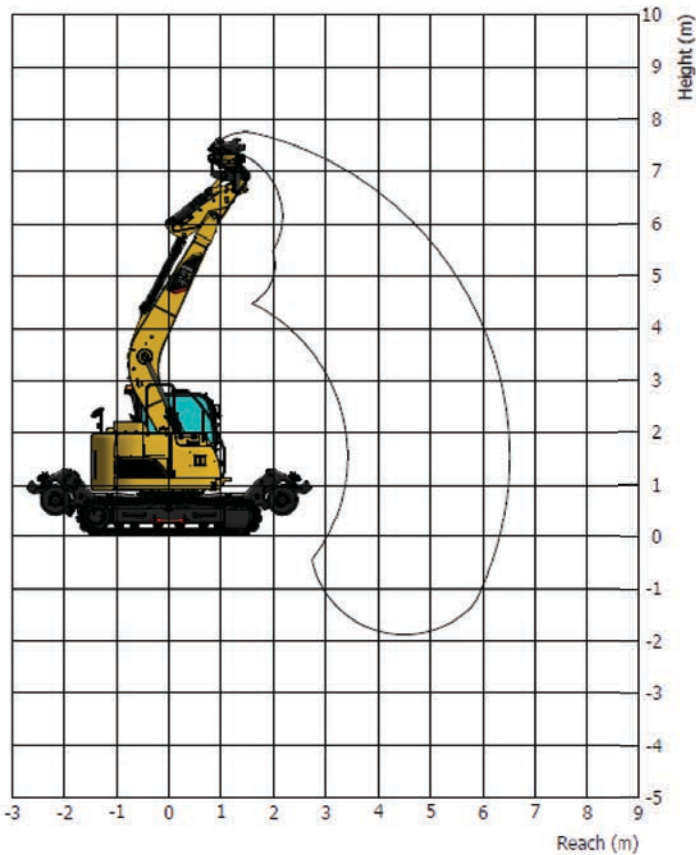
(all dimensions are approximate).



RMT15F Road Rail Excavator Specifications

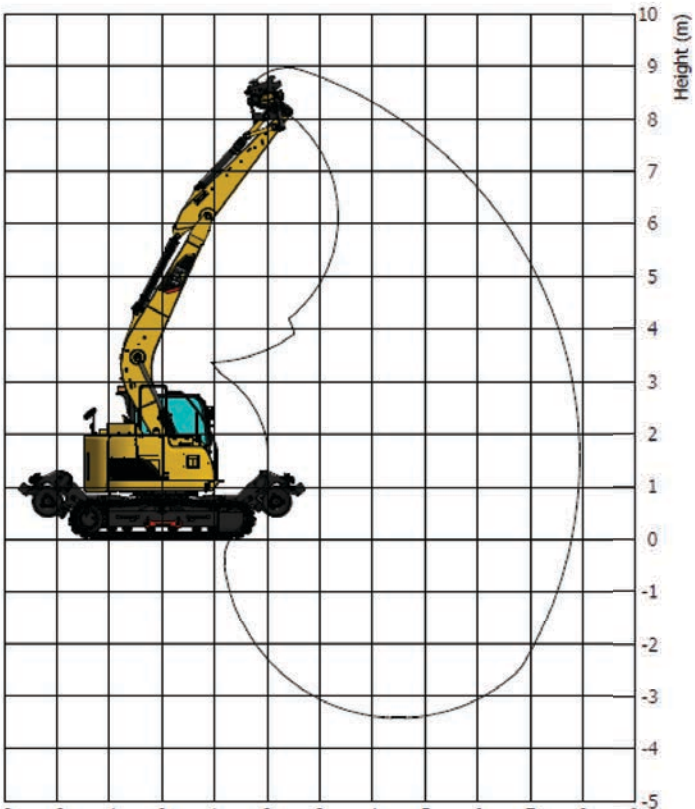
On-Rail 0.976m metre stick working range

(all dimensions are approximate).



On-Rail 3.0 metre stick working range

(all dimensions are approximate).



RMT15F Road Rail Excavator Equipment

Standard equipment.

Standard equipment may vary
Consult your Cat dealer for details

OPERATOR ENVIRONMENT

Cabin:

- ✓ AM/FM radio, 24 volt
- ✓ Beverage holder
- ✓ Coat hook
- ✓ Clock
- ✓ Economy mode
- ✓ Horn
- ✓ Language display monitor (full graphic/full colour display)

Cat® Product Link™

Door locks and cap locks with one key.

Filter/fluid change information.

Fire extinguisher (1.0 kg dry powder).

Light, interior

Literature holder

Mirrors (frame and cabin)

Opening front window

Opening skylight with sun shade

Travel control pedals with removable hand levers

Warning messages and rail specific decals

UHF radio

POWER TRAIN

24 Volt electric starter

Air intake heater

Alternator 50 Amp

Automatic engine speed control

Auxiliary lines on boom and stick

Cat® C4.4 engine with ACERT™

Hydraulic tilt-rotator proportional tilt/rotation, pin-grabber type hydraulic quick coupler with auto-locking)

Idler section track guiding guards

Level check for hydraulic oil, engine oil & coolant

Load check valves (hose burst protection) on all hydraulic cylinders

Fuel-water separator with electronic sensor

Proportional high pressure hydraulic circuit via foot operated treadle valve

Railmax® Rail Guidance System:

- ✓ Elphinstone Rated Capacity Controller

Remote slew motor drain

Stick configuration - 3.0 metre stick

Track-type undercarriage:

- ✓ Idler section track guiding guards
- ✓ Sealed and lubricated tracks with 500mm grousers and rubber pads

Optional equipment.

Optional equipment may vary
Consult your Cat dealer for details

Auxiliary connections for hydraulically actuated trailer functions

Ballast tamper (single or double head)

Ballast undercutter bar

Cabin access light

Cabin roof mounted ADR compliant headlights with hi/low beam

Direction lights for the upper car-body

Hand-rail group across the rear of the upper car-body

Isolation light

LED lights instead of quartz halogen

Pintle-hook tow coupling adaptors

Rear flood light with optional automatic operation

Remote access modem

Roll Over Protection System (ROPS)

Seat cover

Shorter stick configurations

Sleeper grab (single)

Stick lights (to illuminate work tools)

Stone guard for front cabin window

Stone guard for cabin door window

Towing kit including recovery tow-bar, safety chains,

tandem park brake connection hose

RFID attachment recognition

RMT15F

Tracked Road Rail Excavator



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