

TH336–TH417 Telehandlers

Do more with one machine



REAL BENEFITS FOR YOUR BUSINESS





The Cat® TH Series gives you the power and control you need to handle virtually any job on the construction site. At the same time, each individual model has its own unique benefit to suit your business needs.

Control your costs

Expect your downtime to be lower, because of rugged construction, easier maintenance and Cat® dealer support, with most parts delivered within 24 hours to your local dealer. And the load-sensing system delivers hydraulic flow on demand, reducing fuel consumption, sound levels and heat generation.

Keep your operators alert and productive

Well-designed, spacious, comfortable cabs help keep your operators fresh and productive throughout the working day. Controls are logically designed.

Improve onsite safety

A Longitudinal Stability Indicator for the machine's forward stability provides you with a constant and progressive check on the load safety with a cutout if the load exceeds recommended limits.

Meet environmental regulations

The new TH-Series features Cat® reliable turbo charged engines, certified to meet the Stage IIIA (Tier 3) emission regulations.

Built-in anti-theft device

A built-in start code device reduces the risk of theft and unauthorized use.

Model	Rated load capacity	Maximum lift height
TH336	3300 kg	6100 mm
TH337	3300 kg	7300 mm
TH406	3700 kg	6100 mm
TH407	3700 kg	7300 mm
TH414	3700 kg	Stabilizers Up 13 700 mm Stabilizers Down 14 000 mm
TH514	4999 kg	Stabilizers Up 13 380 mm Stabilizers Down 13 700 mm
TH417	4000 kg	Stabilizers Up 15 290 mm Stabilizers Down 17 300 mm



THE VERSATILITY YOUR BUSINESS NEEDS

Do many different jobs with a single machine

One Cat® TH-Series Telehandler can do the work of many machines, so you don't need to buy a machine for every application. A range of Cat® quick-change Work Tools ensures that work rates are kept high.

Get more work done faster

Load-sensing hydraulics, fast boom cycle times, a small turning circle and single lever joystick controls all help reduce the time it takes to finish the job.

The Z-bar linkage on the TH336, TH337, TH406 and TH407 delivers strong breakout forces when using a bucket. Cat® engines deliver the horsepower and control you need for maximum performance.

Choose from three steering modes

- 2-wheel steer for transport and higher speeds.
- 4-wheel steer for excellent manoeuvring in all applications.
- Crab steer for lateral side movements in tight spaces.



Take on the toughest jobs

- Big towing capacity
- Strong breakout force
- Rigid chassis and booms
- Quicker, easier servicing





A HIGHLY PRODUCTIVE WORK ENVIRONMENT



Stability Indicator (LSI) in the operator's line of sight

The LSI is an important safety feature designed to avoid any compromise in the machine's forward stability.



Single lever joystick

The single lever joystick with roller switches allows even inexperienced operators to become proficient in a short time.



The well-designed cabin is spacious and comfortable. The heating, ventilation and optional air conditioning system supplies numerous ventilation outlets strategically positioned throughout the cabin for optimum heating, cooling, de-misting and defrosting. The cabin contains a comfortable, fully adjustable seat with ample leg room and controls within easy reach.

Increased visibility

The enlarged window surface and large skylight gives the operator increased all-round visibility. A sliding screen blocks direct sunlight. The work lights extend machine usage into the night and provides excellent illumination for working in confined or poorly lit areas.

Frame leveling

As a standard feature on the TH414, TH514 and TH417, the chassis can be hydraulically tilted relative to the front axle to ensure truly vertical lift on uneven surfaces.

Great controls help you get more work done

A transmission disconnect button on the joystick delivers full engine power to the hydraulics for fast boom operation, without having to manually disconnect the drive. All controls, including auxiliary hydraulics, are fully proportional.



New dashboard with LCD display

A comprehensive dashboard with a wide range of information on the LCD display completes the feeling of control.



POWER TO TAKE ON THE TOUGHEST JOBS



TH-Series machines are equipped with Cat® C4.4 engines — 74.5 kW (101 hp). A Cat® C4.4 DITAAC-ACERT™ optional engine with 93.1 kW (126 hp) is available for the TH336, TH337, TH406 and TH407. Both engines are certified to Stage IIIA (Tier 3) emission regulations.

A powersynchro transmission and unique all-mechanical driveline ensures long, trouble-free life in tough applications. The advanced cooling system with optional reversing fan delivers excellent performance in all conditions.

Load-sensing hydraulics cut fuel consumption

The load-sensing, flow-sharing hydraulic system delivers high digging/lift forces and allows all boom functions to be operated simultaneously and proportionally. It provides smooth, logical control of the boom and work tools for greater accuracy and efficiency, especially when placing loads in challenging applications.

Depending on the model, either a 113 litre per minute or a 150 liter per minute load-sensing displacement pump delivers flow on demand, ensuring that only the required flow rate is delivered. This reduces both fuel consumption and heat generation.

Quick, easy servicing saves time

Routine daily maintenance consists of simply checking the air cleaner indicator, hydraulic filter indicator, fluid levels and engine oil level in conjunction with a walk-around inspection. All components are easily accessible from the engine bay.





Tough axles for tough conditions

Limited slip differential fitted in the front axle allowing the machines to work effectively in the toughest conditions. No interaction is needed from the operator so he can concentrate on his job.



WORK TOOLS THAT INCREASE VERSATILITY



Work tools

A range of Cat® Work Tools extends machine versatility to meet most jobsite applications. These high performance, high value work tools have a long life and are designed to deliver exceptional productivity. Adjustable, continuous hydraulic flow is standard on all models, and is ideal for work tools such as brooms and augers.



Access work platforms

Two access work platform options are available to further enhance the versatility of the TH414, TH514 and TH417.

The fixed swivel work platform provides a maximum basket capacity of 450 kg throughout with complete boom-operating envelope. The extendable swivel work platform provides a basket capacity of 350 kg and has the flexibility to extend in the air.

Both work platforms provide full control of boom and platform functions to the operator working in the platform. The standard electric emergency lowering system allows the operator to fully control the platform even if the engine is not running.

TH SERIES SPECIFICATIONS

	TH336	TH337	TH406	TH407	TH414	TH514	TH417
Engine							
Model							
Standard	Cat® C4.4 DITAAC				Cat® C4.4 DITAAC	Cat® C4.4 DITAAC	Cat® C4.4 DITAAC
Optional	Cat® C4.4 DITAAC-ACERT™				—	—	—
Gross Power							
Standard	74.5 kW/101 hp	74.5 kW/101 hp	74.5 kW/101 hp	74.5 kW/101 hp	74.5 kW/101 hp	74.5 kW/101 hp	74.5 kW/101 hp
Optional	93.1 kW/126 hp	93.1 kW/126 hp	93.1 kW/126 hp	93.1 kW/126 hp	—	—	—
Maximum Torque							
Standard	410 Nm/1400 rpm	410 Nm/1400 rpm	410 Nm/1400 rpm	410 Nm/1400 rpm	410 Nm/1400 rpm	410 Nm/1400 rpm	410 Nm/1400 rpm
Optional	496 Nm/1400 rpm	496 Nm/1400 rpm	496 Nm/1400 rpm	496 Nm/1400 rpm	—	—	—
Bore	105 mm	105 mm	105 mm	105 mm	105 mm	105 mm	105 mm
Stroke	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm
Displacement	4.4 litre	4.4 litre	4.4 litre	4.4 litre	4.4 litre	4.4 litre	4.4 litre
Weights							
Operating Weight with Carriage & Forks	6573 kg	7073 kg	7200 kg	7700 kg	9360 kg	10 760 kg	11 800 kg
Operating Specifications							
Rated Load Capacity	3300 kg	3300 kg	3700 kg	3700 kg	3700 kg	4999 kg	4000 kg
Maximum Lift Height	6100 mm	7300 mm	6100 mm	7300mm	Stab. Up 13 700 mm Stab. Down 14 000 mm	Stab. Up 13 380 mm Stab. Down 13 700 mm	Stab. Up 15 290 mm Stab. Down 17 300 mm
Maximum Forward Reach	3109 mm	3763 mm	3109 mm	3763 mm	9225 mm	9225 mm	12 700 mm
Top Travel Speed	40 km/h	40 km/h	40 km/h	40 km/h	32 km/h	32 km/h	32 km/h
Load at Max Height	2400 kg	2000 kg	2500 kg	2000 kg	Stab. Up 2000 kg Stab. Down 3700 kg	Stab. Up 1500 kg Stab. Down 3500 kg	Stab. Up 1000 kg Stab. Down 3000 kg
Load at Max Reach	1000 kg	1000 kg	1500 kg	1500 kg	Stab. Up 350 kg Stab. Down 1150 kg	Stab. Up 600 kg Stab. Down 1600 kg	Stab. Up 0 kg Stab. Down 500 kg
Outside Turning Radius Over Tyres	3700 mm	3750 mm	3700 mm	3750 mm	3805 mm	3920 mm	3920 mm
Outside Turning Radius Over Forks	4670 mm	4740 mm	4670 mm	4740 mm	5640 mm	5570 mm	5650 mm
Drawbar Pull 74.5 kW	82,4 kN	83,4 kN	82,4 kN	83,4 kN	88,0 kN	88,0 kN	88,0 kN
Drawbar Pull 93.1 kW	86,8 kN	87,3 kN	86,8 kN	87,3 kN	—	—	—
Service Refill Capacities							
Fuel Tank	150 litre	150 litre	150 litre	150 litre	150 litre	150 litre	150 litre
Hydraulic Tank	90 litre	90 litre	90 litre	90 litre	90 litre	90 litre	90 litre
Tyres							
Standard	15.5/80-24 16PR	15.5/80-24 16PR	15.5/80-24 16PR	15.5/80-24 16PR	15.5/80-24 16PR	14.00-24 16PR TG-02	14.00-24 16PR TG-02
Hydraulic System							
Maximum System Pressure	250 bar	250 bar	250 bar	250 bar	250 bar	250 bar	250 bar
Maximum Pump Flow	113 litre/min	113 litre/min	150 litre/min	150 litre/min	113 litre/min	150 litre/min	150 litre/min
Auxiliary Hydraulic Supply							
Intermittent	80 litre/min	80 litre/min	80 litre/min	80 litre/min	80 litre/min	80 litre/min	80 litre/min
Continuous	60 litre/min	60 litre/min	60 litre/min	60 litre/min	60 litre/min	60 litre/min	60 litre/min
Transmission Speeds							
Forward	5	5	5	5	4	4	4
Reverse	3	3	3	3	3	3	3
Boom Performance							
Boom Up	6.0 sec	8.5 sec	5.0 sec	7.5 sec	13.0 sec	17.0 sec	16.0 sec
Boom Down	4.0 sec	6.1 sec	4.0 sec	5.1 sec	8.0 sec	10.0 sec	13.0 sec
Tele In	5.0 sec	6.0 sec	4.5 sec	4.8 sec	11.0 sec	20.0 sec	20.0 sec
Tele Out	5.0 sec	6.0 sec	5.0 sec	5.7 sec	11.0 sec	17.5 sec	25.0 sec
Crowd Forward (dump)	3.0 sec	3.0 sec	3.0 sec	3.0 sec	3.0 sec	4.0 sec	3.4 sec
Crowd Backward	3.0 sec	3.0 sec	3.0 sec	3.0 sec	3.0 sec	3.0 sec	3.0 sec
Combined							
Up and Out	10.0 sec	12.5 sec	8.0 sec	11.5	23.0 sec	28.0 sec	30.0 sec
Down and In	7.0 sec	7.6 sec	6.0 sec	6.6	13.4 sec	19.0 sec	23.0 sec
Bucket Breakout Force to ISO 8313	55 kN	65 kN	55 kN	65 kN	65 kN	95 kN	65 kN
Boom Breakout Force	36 kN	42 kN	36 kN	42 kN	45 kN	63 kN	60 kN
Sound							
Operator Sound	78 dB(A)	78 dB(A)	78 dB(A)	78 dB(A)	78 dB(A)	78 dB(A)	78 dB(A)
Exterior Sound							
74.5 kW Engine	106 dB (A)	106 dB (A)	106 dB (A)	106 dB (A)	106 dB(A)	106 dB (A)	106 dB (A)
93.1 kW Engine	107 dB (A)	107 dB (A)	107 dB (A)	107 dB (A)	—	—	—

*All engine horsepower (hp) are metric.

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