

# Telehandlers TH Series

Your 24-hour workhorse



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**CATERPILLAR**<sup>®</sup>  
TODAY'S WORK. TOMORROW'S WORLD.™

**CATERPILLAR**<sup>®</sup>

## REAL BENEFITS FOR YOUR BUSINESS



*"I love this machine —  
it's central to everything  
we do on the farm."*

**The TH336, TH337, TH406 and TH407 Telehandlers are highly productive machines designed specifically for effective operation on farms and in agricultural applications.**

### **The power you need**

Proven Cat® engines deliver the power and speed you need for all applications around the farm. TH-Series machines have excellent towing capabilities and a top roading speed of 40 km/h.

### **Go anywhere**

Do anything A high ground clearance and excellent flotation effect from the 609 mm wheels make the TH-Series ideal for off-road applications. A limited slip differential improves traction in all ground conditions.

### **Manoeuvrability**

The machines have the manoeuvrability you need when moving around the farm. The turning circle is tight and there is a choice of three steering modes with automatic wheel self-alignment.



### **Powerful ACERT™ Engines**

Proven Cat® engines deliver the power and speed you need for all applications around the farm.



### **High ground clear**

A high ground clearance and excellent flotation effect from the 609 mm wheels.



## REAL BENEFITS FOR YOUR BUSINESS

### Do many different jobs with a single machine

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

### Get more work done faster

Load-sensing hydraulics, faster 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 delivers strong breakout forces and shorter cycle times, resulting in higher productivity.

### Control your costs

Expect your downtime to be lower, because of rugged construction, easier maintenance and unrivalled Cat® dealer support, with most parts delivered to your local Cat® dealer within 24 hours.

The load-sensing system delivers hydraulic flow on demand, reducing fuel consumption, sound levels and heat generation.

### Stay comfortable and in control throughout the working day

The cabin has a spacious interior keeping you comfortable throughout the working day.

### Meet environmental regulations

The TH-Series features reliable Caterpillar® turbocharged engines, certified to meet Stage IIIA (Tier 3) emission regulations.

*Load-sensing hydraulics, faster boom cycle times and single lever joystick controls all help reduce the time it takes to finish the job.*



### Comfortable cabin

The cabin has a spacious interior.



### Emissions

Certified to meet Stage IIIA (Tier 3) emission regulations.



### Z-bar linkage

The Z-bar linkage delivers strong breakout forces.



## A HIGHLY PRODUCTIVE ENVIRONMENT



*"It's a pleasure to get into a cab that's so comfortable to work in."*

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. There is ample leg room and all controls are within easy reach.

### **Great controls help you get more work done**

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

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

Fitted as standard, the LSI provides you with a constant and progressive check on the load with a cutout if the load exceeds recommended limits.

### **Enhanced visibility**

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

### **New dashboard with interactive LCD display**

A comprehensive dashboard with LCD display completes the feeling of control.



### **Enhanced visibility**

The enlarged window surface and large skylight gives the operator improved all-round visibility.



### **Single lever joystick**

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



### **Dashboard with LCD display**

The display provides you with a wide range of information, including machine speed, operating hours, fuel level, coolant temperature and error messages.



# BUILT TO TAKE ON THE TOUGHEST JOBS

## Reliable engines

TH-Series machines are equipped with Cat® C4.4 engines — 74.5 kW (101 hp). An optional Cat® C4.4 — 93.1 kW (126 hp) engine with ACERT™ Technology is available. 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.

## Strong breakout force

The Z-bar linkage ensures strong breakout forces for a variety of re-handling and loading work. It also provides a wide pivoting angle for crowding and dumping.

## Big towing capacity

Towing hitches up to 12-tonne capacity, rear auxiliary services and electrical lighting sockets add to machine versatility.

## Tough axles for tough conditions

Limited slip differential is fitted as standard in the front axle to enable the machines to work effectively in the toughest conditions. No operator interaction is needed, so you can concentrate on doing your job.

## 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.

A load-sensing variable displacement pump delivers flow on demand, ensuring that only the required flow rate is delivered. This reduces both fuel consumption and heat generation.

## Rigid chassis and booms

The chassis and booms are based on extensive computer design and were subject to rigorous stress analysis, and durability and fatigue tests to ensure all machine applications are met.

## Quicker, easier 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.

## Built-in anti-theft device

A built-in start code device reduces the risk of theft and unauthorised usage.

*“If you want a machine that just keeps on going — this is it.”*



## Take on the toughest jobs

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



# THE VERSATILITY YOUR BUSINESS NEEDS

## Work tools

### A range of Cat® Work Tools extends machine versatility to meet most agricultural 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.

### Quick couplers make changeover faster and easier

The high visibility manual IT coupler allows you to change work tools quickly, and provides improved visibility from the cabin to the right hand fork tip. An optional hydraulic quick coupler allows Cat® Work Tools to be changed quickly and efficiently without leaving the cabin.

	TH336	TH337	TH406	TH407
<b>Carriages</b>				
Standard carriage	•	•	•	•
Side shift carriage	•	•	•	•
<b>Forks</b>				
Pallet fork 45x100x1070 mm	•	•	•	•
Pallet fork 50x100x1525 mm	•	•	•	•
Pallet fork 50x100x1200 mm	•	•	•	•
Pallet fork 50x120x1200 mm	•	•	•	•
<b>Buckets</b>				
Bucket general purpose 1.0 m <sup>3</sup>	•	•	•	•
Bucket multi purpose 1.0 m <sup>3</sup>	•	•	•	•
Bucket material handling 1.5 m <sup>3</sup>	•	•	•	•
Bucket light material 2.0 m <sup>3</sup>	•	•	•	•
Bucket light material 2.5 m <sup>3</sup>	•	•	•	•
Bucket light material 3.0 m <sup>3</sup>	•	•	•	•
<b>Grapple tools</b>				
Bucket multi-grapple 0.84 m <sup>3</sup>	•	•	•	•
Manure fork and grapple	•	•	•	•
Bale handler	•	•	•	•
<b>Lifting equipment</b>				
Truss boom	•	•	•	•
Lifting hook	•	•	•	•

## Work tools

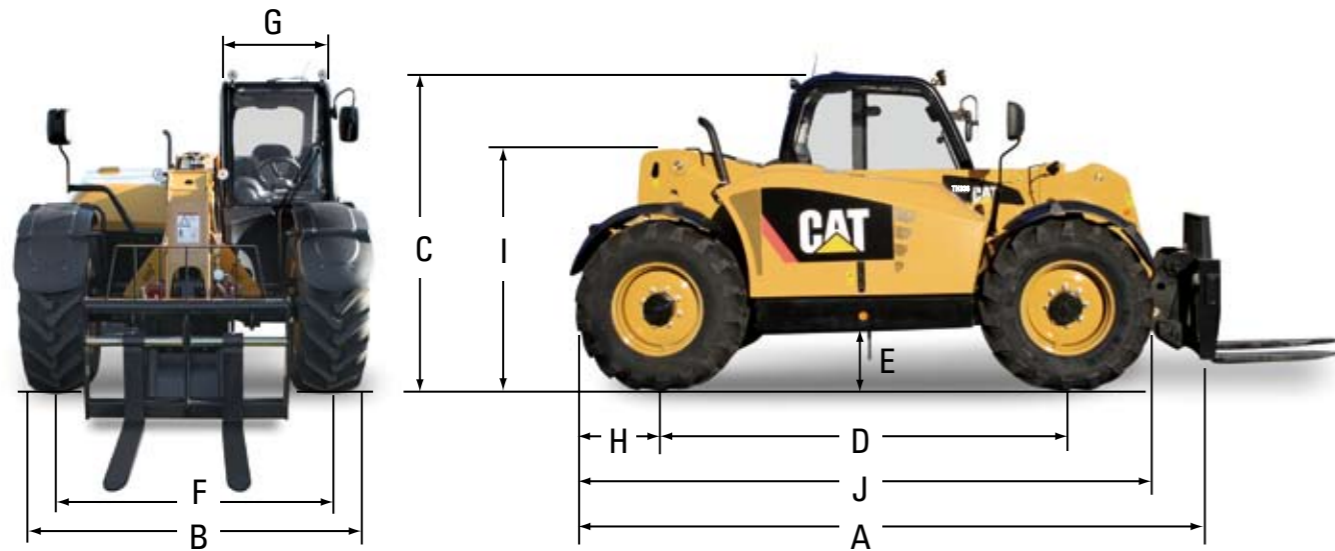
High performance, high value work tools have a long life and are designed to deliver exceptional productivity.



*"I'm always amazed that one machine can take on so many different jobs."*



# TH336—TH406 SPECIFICATIONS



Outside turning radius over tyres 3585 mm

Dimensions	TH336	TH406
(A) Length to Front Carriage	4621 mm	4621 mm
(B) Overall Width	2400 mm	2400 mm
(C) Overall Height	2323 mm	2323 mm
(D) Wheelbase	2950 mm	2950 mm
(E) Ground Clearance	430 mm	430 mm
(F) Front Track	1988 mm	1988 mm
(G) Cab Width	920 mm	920 mm
(H) Rear Wheel Overhang	375 mm	662 mm
(I) Rear Boom Height (0° Boom Angle)	1753 mm	1753 mm
(J) Overall Length to Front Tyres	4253 mm	4253 mm

Weights	TH336	TH406
Operating Weight	6573 kg	7200 kg

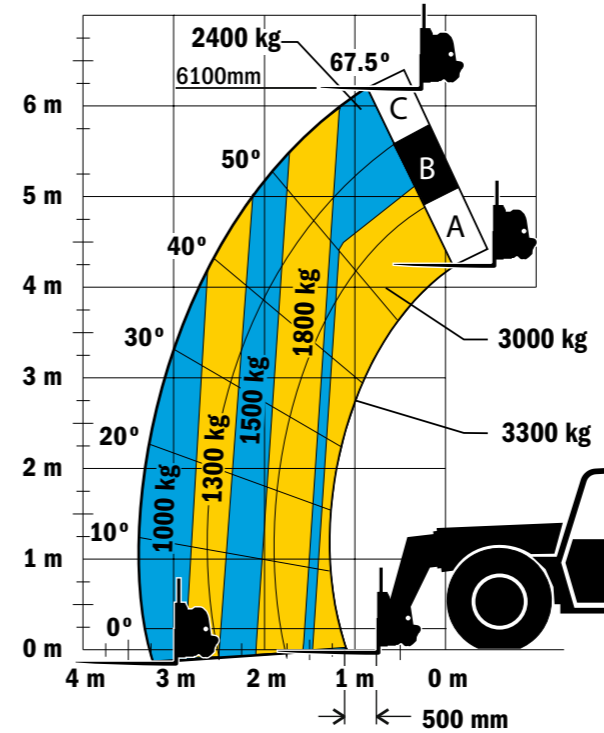
Service Capacities	TH336	TH406
Fuel Tank	150 liter	150 liter
Hydraulic Tank	90 liter	90 liter

Engine	TH336	TH406
Model (Standard)	Cat® C4.4 DITAAC	Cat® C4.4 DITAAC
Model (Optional)	Cat® C4.4 DITAAC - ACERT™	Cat® C4.4 DITAAC - ACERT™
Gross Power (Standard)	74.5 kW / 101 hp	74.5 kW / 101 hp
Gross Power (Optional)	93.1 kW / 126 hp	93.1 kW / 126 hp
Maximum Torque (Standard)	410 Nm at 1400 rpm	410 Nm at 1400 rpm
Maximum Torque (Optional)	496 Nm at 1400 rpm	496 Nm at 1400 rpm

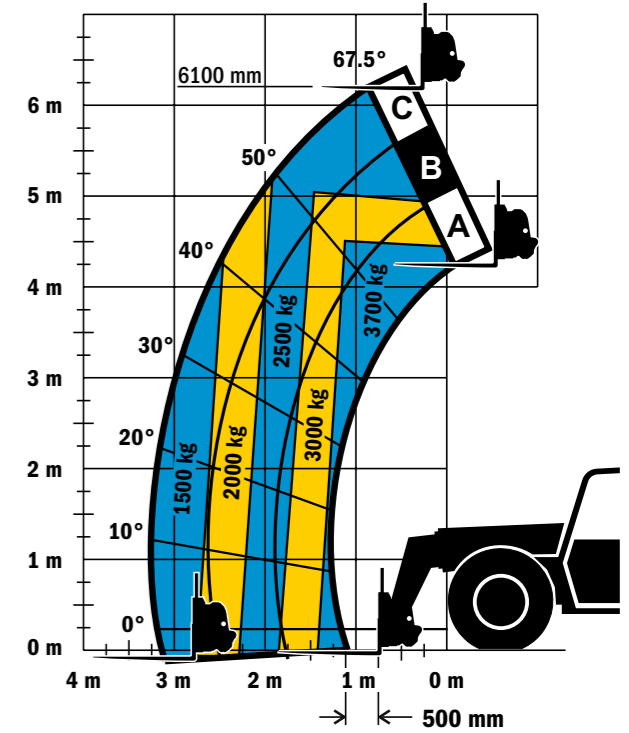
Sound	TH336	TH406
Operator Sound	78 dB(A)	78 dB(A)

Tyres	TH336	TH406
Standard	Mitas 15.5/80-24 16 PR	Mitas 15.5/80-24 16 PR

Load chart TH336



Load chart TH406



Operating Specifications	TH336	TH406
Rated Load Capacity	3300 kg	3700 kg
Maximum Lift Height	6100 mm	6100 mm
Maximum Forward Reach	3109 mm	3109 mm
Load at Max Height	2400 kg	2500 kg
Load at Max Reach	1000 kg	1500 kg

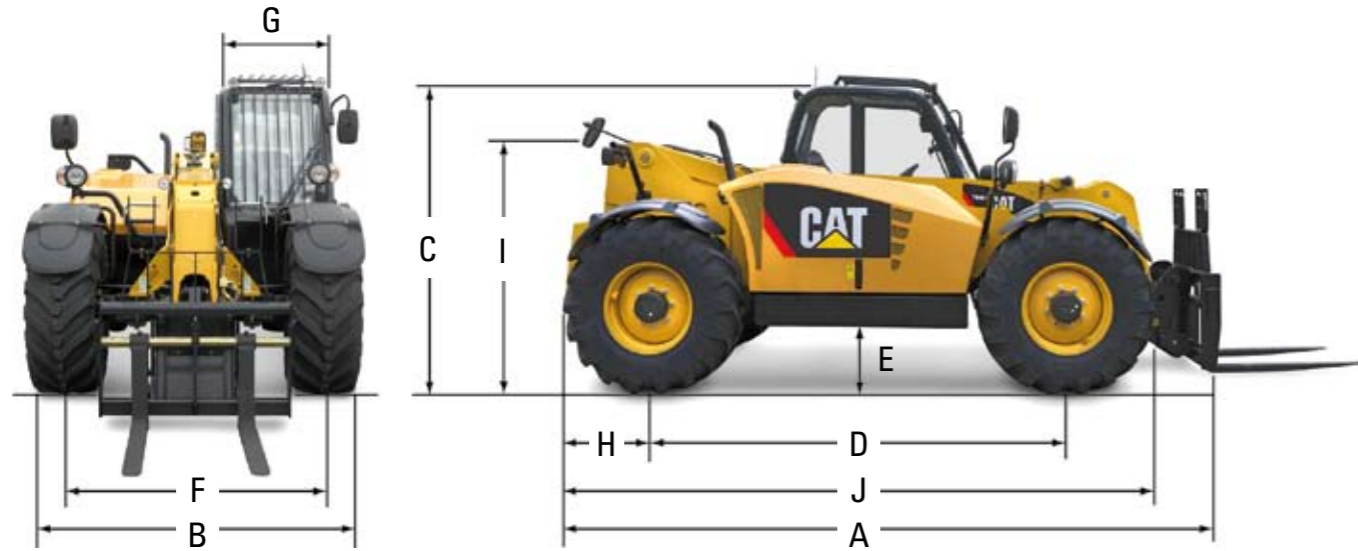
Hydraulic Cycle Times	TH336	TH406
Boom Up (seconds)	6	5
Boom Down (seconds)	4	4
Tele In (seconds)	5	4,5
Tele Out (seconds)	5	5
Crowd Forward (dump) (seconds)	3	3
Crowd Backward (seconds)	3	3
Combined—Up and Out (seconds)	10	8
Combined—Down and In (seconds)	7	6
Bucket Breakout Force to ISO8313	55 kN	55 kN
Drawbar Pull 74.5 kW (kN)	82,4 kN	82,4 kN
Drawbar Pull 93 kW (kN)	86,8 kN	86,8 kN

Hydraulic System	TH336	TH406
Maximum System Pressure	250 Bar	250 Bar
Maximum Pump Flow	113 lpm	150 lpm
Pump Type	Variable displacement load sensing axial piston pump	Variable displacement load sensing axial piston pump
Auxiliary Hydraulic Supply—Intermittent	80 lpm	80 lpm
Auxiliary Hydraulic Supply—Continuous	60 lpm	60 lpm

Brakes	TH336	TH406
Service Brake	Servo assisted on front axle	Servo assisted on front axle
Parking Brake	Mechanical on front axle	Mechanical on front axle

Speed	TH336	TH406
Top Travel Speed	40 km/h	40 km/h

# TH337 — TH407 SPECIFICATIONS



Outside turning radius over tyres 3700 mm

Dimensions	TH337	TH407
(A) Length to Front Carriage	4866 mm	5153 mm
(B) Overall Width	2400 mm	2400 mm
(C) Overall Height	2385 mm	2385 mm
(D) Wheelbase	3050 mm	3050 mm
(E) Ground Clearance	430 mm	430 mm
(F) Front Track	1988 mm	1988 mm
(G) Cab Width	920 mm	920 mm
(H) Rear Wheel Overhang	675 mm	962 mm
(I) Rear Boom Height (0° Boom Angle)	1838 mm	1838 mm
(J) Overall Length to Front Tyres	4426 mm	4679 mm

Weights	TH337	TH407
Operating Weight	7073 kg	7700 kg

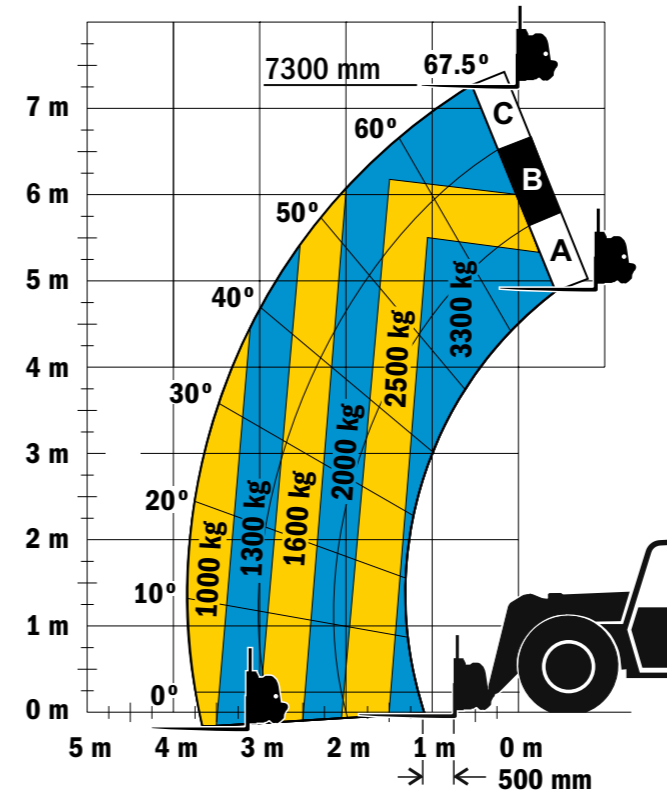
Service Capacities	TH337	TH407
Fuel Tank	150 liter	150 liter
Hydraulic Tank	90 liter	90 liter

Engine	TH337	TH407
Model (Standard)	Cat® C4.4 DITAAC	Cat® C4.4 DITAAC
Model (Optional)	Cat® C4.4 DITAAC - ACERT™	Cat® C4.4 DITAAC - ACERT™
Gross Power (Standard)	74.5 kW / 101 hp	74.5 kW / 101 hp
Gross Power (Optional)	93.1 kW / 126 hp	93.1 kW / 126 hp
Maximum Torque (Standard)	410 Nm at 1400 rpm	410 Nm at 1400 rpm
Maximum Torque (Optional)	496 Nm at 1400 rpm	496 Nm at 1400 rpm

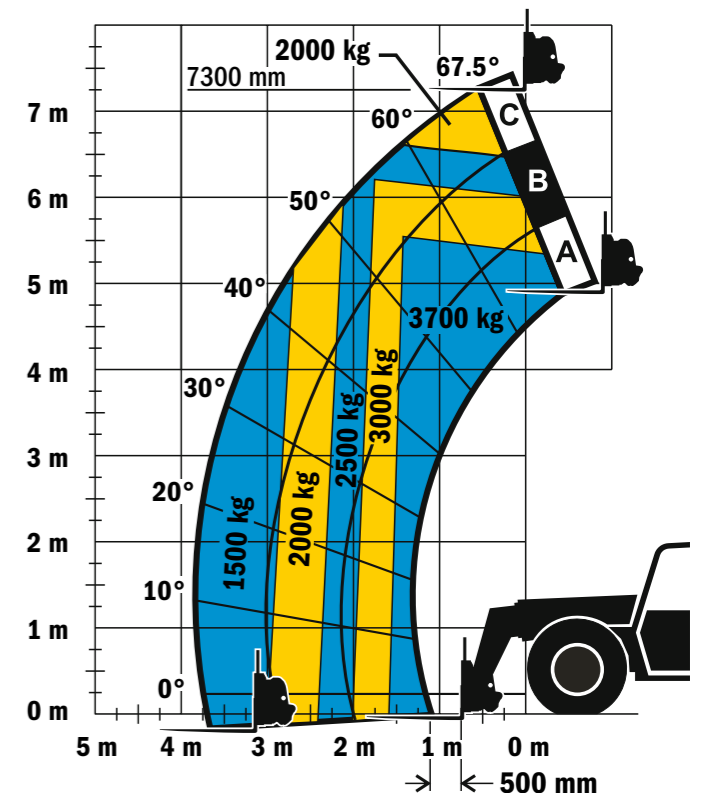
Sound	TH337	TH407
Operator Sound	78 dB(A)	78 dB(A)

Tyres	TH337	TH407
Standard	Mitas 15.5/80-24 16 PR	Mitas 15.5/80-24 16 PR

Load chart TH337



Load chart TH407



Operating Specifications	TH337	TH407
Rated Load Capacity	3300 kg	3700 kg
Maximum Lift Height	7300 mm	7300 mm
Maximum Forward Reach	3763 mm	3763 mm
Load at Max Height	2000 kg	2000 kg
Load at Max Reach	1000 kg	1500 kg

Hydraulic Cycle Times	TH337	TH407
Boom Up (seconds)	8,5	7,5
Boom Down (seconds)	6,1	5,1
Tele In (seconds)	6	4,8
Tele Out (seconds)	6	5,7
Crowd Forward (dump) (seconds)	3	3
Crowd Backward (seconds)	3	3
Combined — Up and Out (seconds)	12,5	11,5
Combined — Down and In (seconds)	7,6	6,6
Bucket Breakout Force to ISO8313	65 kN	65 kN
Drawbar Pull 74.5 kW (kN)	83,4 kN	83,4 kN
Drawbar Pull 93 kW (kN)	87,3 kN	87,3 kN

Hydraulic System	TH337	TH407
Maximum System Pressure	250 Bar	250 Bar
Maximum Pump Flow	113 lpm	150 lpm
Pump Type	Variable displacement load sensing axial piston pump	Variable displacement load sensing axial piston pump
Auxiliary Hydraulic Supply — Intermittent	80 lpm	80 lpm
Auxiliary Hydraulic Supply — Continuous	60 lpm	60 lpm

Brakes	TH337	TH407
Service Brake	Servo assisted on front axle	Servo assisted on front axle
Parking Brake	Mechanical on front axle	Mechanical on front axle

Speed	TH337	TH407
Top Travel Speed	40 km/h	40 km/h