

Cat[®] TH408D

AG HANDLER TELEHANDLER

FEATURES:

- **Engine Options** Choose the right engine for you three fuel efficient Cat[®] engines are available to suit a wide range of applications.
- Frame, Boom and Linkage Designed for durability. Easy to access greasing points mean a long, trouble free life for the machine. A Z-bar linkage with 152 degrees of coupler rotation delivers powerful breakout forces and fast cycle times.
- Powerful Hydraulics A variable displacement piston pump matched to a high performance flow sharing valve makes multi functioning easy. The load sensing system means excellent fuel economy, as the pump only works when required.
- **Cab** The cab is designed with the operator in mind with a multi function joystick and a comfortable working environment. The unique "Operator Preferences" feature allows the machine to be tuned to suit individual operators. Options include a heated air suspension seat, large display screen with pre-loaded load charts, rearview camera, reversing sensors and air conditioning.

Specifications

Engine

	Standard	Option 1	Option 2	
Model*	Cat C3.4B	Cat C4.4 ACERT™	Cat C4.4 ACERT	
Gross power	83 kW	92.6 kW	106 kW	
	(111 hp/bhp)	(124 hp/bhp)	(142 hp/bhp)	
Max torque	460 N⋅m	530 N⋅m	560 N⋅m	
*Meets EU Stage IV emission standards.				
Weights				
Operating Waigh	t with Corriges on	d Earlya* 0526 kg		

Operating Weight with Carriage and Forks* 8526 kg

*Represents machine configuration of 106 kW (142 hp/bhp) engine on standard 15.5/80-24 16 ply tires.

Operating Specifications

Rated Load Capacity	4000 kg	
	0	
Maximum Lift Height	7.6 m	
Capacity at Maximum Lift Height	2025 kg	
Maximum Forward Reach	4.3 m	
Capacity at Maximum Forward Reach	1400 kg	
Outside Turning Radius over Tires	3.85 m	
Outside Turning Radius over Forks	4.53 m	

Service Refill Capacities

Fuel Tank	148 L	
Diesel Exhaust Fluid	19 L	
Hydraulic Tank	120 L	

Service Brakes	Boost assisted oil immersed multi disc on both axles
Parking Brake	Mechanically actuated on front axle service brakes
Transmission*	
Туре	Cat PG124 6 speed power shift
Forward	
1	5.8 km/h
2	8.6 km/h
3	11.3 km/h
4	16.7 km/h
5	25.4 km/h
6	40.0 km/h
Reverse	
1	5.8 km/h
2	11.3 km/h
3	25.4 km/h

Electrical

Battery	1 × 12V 1,000 CCA Battery
Alternator Output	12V/150A



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Hydraulic System

System Type	Load Sensing, Closed Cen
Pump Type	Variable Flow, Axial Pisto
Maximum Pump Capacity	140 L/min
System Pressure	260 bar
Auxiliary Hydraulic Pressure	245 bar
Auxiliary Hydraulic Flow	
Boom Head – Intermittent	95 L/min
Boom Head – Continuous	95 L/min
Machine Rear	80 L/min
Boom Performance	
Boom Up	7.2 sec
Boom Down	5.5 sec
TI OI	0

Boom Down5.5 secTele Out6 secTele In5.3 secCrowd Forward (Dump)3.5 secCrowd Backward2.9 secCombinedUp and OutUp and Out10.7 secDown and In8.7 sec

Axles

Front Axle

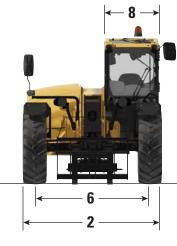
Rear Axle

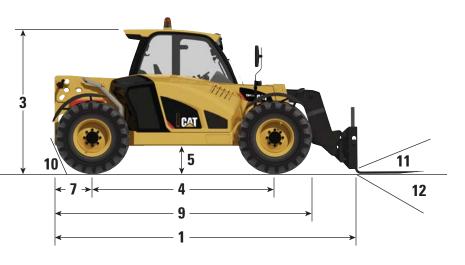
High bias, planetary reduction hubs with limited slip differential Open differential with planetary reduction hubs

Tires nter Standard Mitas 15.5/80-24 16 ply Options Michelin 15.5 R25 XHA on Michelin 460/70 R24 XMCL Michelin 500/70 R24 XMCL Michelin 440/80 24 Power CL Michelin 400/80 24 Power CL Michelin 460/70 R24 Bibload **Firestone Duraforce** 13 × 24 Solid Tires Performance Drawbar Pull 83 kW/111 hp Engine 92 kN 92.6 kW/124 hp Engine 88 kN 106 kW/142 hp Engine 97 kN **Boom Breakout Force** 46 kN **Bucket Breakout Force** 72 kN **Quick Coupler Rotation** 152° Noise Levels In Cab 74 dB(A) External 106 dB(A) **Towable Mass** Hydraulically Braked 12 000 kg

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.2 kg of refrigerant which has a CO_2 equivalent of 1.575 metric tonnes.





Dimensions (All dimensions are approximate.)

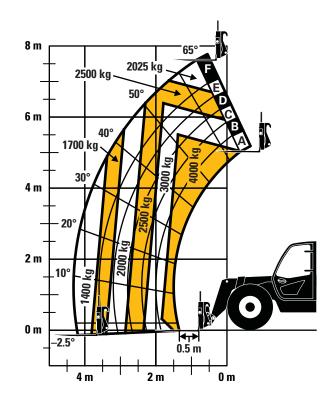
*Add 200 mm for beacon. Add 40 mm for top guard.

1 Overall Length to Front of Carriage	5286 mm
2 Overall Width (standard tires)	2382 mm
3 Overall Height (standard tires)*	2475 mm
4 Wheelbase	3165 mm
5 Ground Clearance	430 mm
6 Track	1988 mm

7 Overhang	1000 mm
8 Cab Width	900 mm
9 Machine Length	5260 mm
10 Departure Angle	60°
11 Maximum Fork Crowd Angle	24°
12 Maximum Fork Dump Angle	128°

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Load Chart and Dimensions



IMPORTANT

Rated lift capacities shown are with machine equipped with carriage and pallet forks. The machine must be level on a firm surface with undamaged, properly inflated tires. Machine specifications and stability are based on rated lift capacities at specific boom angles and boom lengths. (If specifications are critical, the proposed application should be discussed with your dealer.) DO NOT exceed rated lift capacity loads, as unstable and dangerous machine conditions will result.

DO NOT tip the machine forward to determine the allowable load.

Use only approved attachments with proper material handler model/attachment load capacity charts displayed in the operator's cab. Due to continuous product improvements, machine specifications and/or equipment changes may be made without prior notification. Standard and Optional Equipment (Standard and Optional equipment may vary. Consult your Cat dealer for details.)

	Standard	
Cab ROPS and FOPS		
Longitudinal Stability Indicator	✓	_
Reversing Camera		\checkmark
Reversing Sensors		\checkmark
Large Electronic Display Screen		\checkmark
Sunscreen	\checkmark	
Mechanical Suspension Seat with Seat Belt	\checkmark	
Air Suspension Seat with Seat Belt		\checkmark
Heated Air Suspension Seat with Seat Belt		✓
Roof Wiper	\checkmark	
Screen Guard		\checkmark
Roof Guard		\checkmark
Heater/De-mister	\checkmark	
Air Conditioning		\checkmark
Engine Speed Set	\checkmark	
Multi Function Joystick Controller with FNR	\checkmark	
Column Mounted FNR Lever		✓
Front and Rear Windscreen Wipers	\checkmark	
Mechanical Parking Brake	\checkmark	
SAHR Parking Brake		\checkmark
Electrical		
1 × 12V 1,000 CCA Battery	\checkmark	
2 × 12V 815 CCA Batteries	_	√
Block Heater 240 Volt	_	\checkmark
Work Lights, 4 × Cab Mounted		.(
(2 front, 2 rear) $2 \times Boom$ Mounted		v
Product Link [™] Ready, Version 641		\checkmark
Seven (7) Pin Trailer Service		\checkmark
Reverse Alarm	\checkmark	
Rotating Beacon	_	\checkmark
Other Equipment		
Boom Brushes	\checkmark	
Ride Control with Boom Float		\checkmark
Single Auxiliary Service to Boom Head	\checkmark	_
2 nd Auxiliary Service to Boom Head		\checkmark
Auxiliary Service to Rear		\checkmark
Rear Hitch Mirror, Flat		\checkmark
Rear Hitch Mirror, Convex		\checkmark
Tool Box		\checkmark
Boom Safety Brace		\checkmark

nay vary. Consult your Cat dealer for details.)	Standard	Optional
Tires		- F
Mitas 15.5/80-24 16 ply	✓	_
Michelin 460/70 R24 XMCL		~
Michelin 500/70 R24 XMCL		\checkmark
Michelin 400/80 24 Power CL		\checkmark
Michelin 440/80 24 Power CL		\checkmark
Michelin 460/70 R24 Bibload		\checkmark
Michelin 15.5 R25 XHA		\checkmark
Firestone Duraforce		\checkmark
13×24 Solid Tires		\checkmark
Tow Hitches		
Retrieval Hitch		✓
Hydraulic Pick Up Hitch		\checkmark
EEC Manual Hitch		\checkmark
EEC Automatic Hitch		\checkmark
EEC Automatic Hitch with Piton		\checkmark
Trailer Braking Valve		\checkmark
Quick Couplers		
Manual Cat "IT" Interface	\checkmark	
Hydraulic Cat "IT" Interface		\checkmark
• Competitive couplers are available, please	consult your C	at dealer
for details.		
Work Tools		
Floating Fork Carriage		\checkmark
ISO Class 3 Fixed Fork Carriage		\checkmark
Side Shift Carriage		\checkmark
1 m ³ General Purpose Bucket		\checkmark
1.5 m ³ Rehandling Bucket		\checkmark
1.0 m ³ Multi Purpose Bucket		\checkmark
2.0 m ³ Grain Bucket		\checkmark
2.5 m ³ Grain Bucket		\checkmark
3.0 m ³ Grain Bucket		\checkmark
1225 mm Bale Fork		\checkmark
Grapple Bucket		\checkmark
Muck Fork and Grapple		\checkmark
Bale Handler	_	\checkmark
Sweeper Collector		\checkmark

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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