



# Cat<sup>®</sup> TH306D

## AG HANDLER TELEHANDLER

### FEATURES:

- **Power Train** – Designed for the livestock farmer, the Cat<sup>®</sup> TH306D features a powerful 74.4 kW (100 hp) engine coupled to a two speed hydrostatic transmission, allowing engine speed and forward speed to be independently controlled.
- **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 delivers powerful breakout forces and fast cycle times.
- **Powerful Hydraulics** – Designed to operate hydraulically powered work tools such as straw spreaders and animal feeder buckets. Rear hydraulic services can also operate work tools as well as tipping trailers.
- **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

Model	TCD3.6 L4*	
Gross Power	74.4 kW	100 hp
Maximum Torque	410 N-m	302 lbf-ft
Bore	98 mm	3.86 in
Stroke	120 mm	4.72 in
Displacement	3.6 L	219.7 in <sup>3</sup>

\*Meets U.S. EPA Tier 4 Final emission standards.

### Weights

Operating Weight with Carriage and Forks*	6168 kg	13,598 lb
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\*Represents machine configuration of 74.4 kW (100 hp) engine on standard 405/70 T20 MPT01 tires.

### Operating Specifications

Rated Load Capacity	2790 kg	6,150 lb
Maximum Lift Height	5.8 m	19 ft
Capacity at Maximum Lift Height	1928 kg	4,250 lb
Maximum Forward Reach	3.1 m	10.1 ft
Capacity at Maximum Forward Reach	1225 kg	2,700 lb
Outside Turning Radius over Tires	3.7 m	12.1 ft
Outside Turning Radius over Forks	4.4 m	14.4 ft

### Service Refill Capacities

Fuel Tank	104 L	27.5 gal
Diesel Exhaust Fluid	10 L	2.6 gal
Hydraulic Tank	120 L	31.7 gal

### Brakes

Service Brakes	Boost assisted on front axle
Parking Brake	SAHR on front axle

### Transmission

Type	Hydrostatic with two speed on the move range change	
Forward		
1	0 to 20 km/h	0 to 12.4 mph
2	0 to 32 km/h	0 to 19.9 mph
Reverse		
1	0 to 20 km/h	0 to 12.4 mph
2	0 to 32 km/h	0 to 19.9 mph

### Electrical

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



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## Hydraulic System

System Type	Open Center	
Pump Type	Gear	
Maximum Pump Capacity	95 L/min	25 gal/min
System Pressure	275 bar	3,989 psi
Auxiliary Hydraulic Pressure	245 bar	3,553 psi
Auxiliary Hydraulic Flow		
Boom Head – Intermittent	90 L/min	24 gal/min
Boom Head – Continuous	90 L/min	24 gal/min
Machine Rear	80 L/min	21 gal/min

## Boom Performance

Boom Up	6.5 sec
Boom Down	5.5 sec
Tele Out	5 sec
Tele In	5 sec
Crowd Forward (Dump)	3 sec
Crowd Backward	3.5 sec
Combined	
Up and Out	15 sec
Down and In	9 sec

## Axles

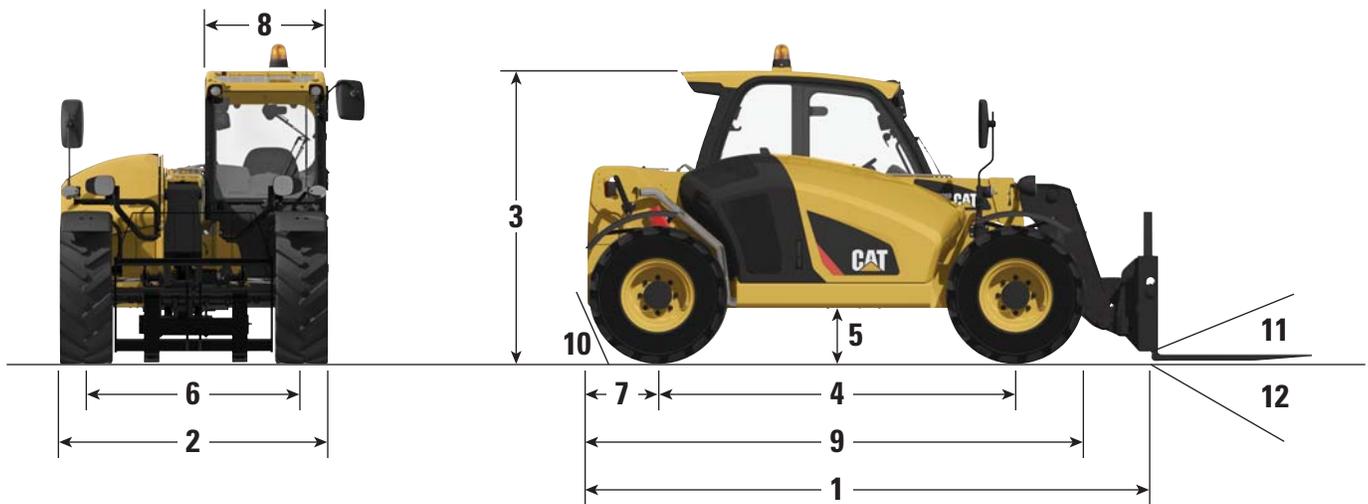
Front Axle	Planetary reduction hubs with limited slip differential
Rear Axle	Open differential with planetary reduction hubs

## Tires

Standard	Mitas 405/70 T20 MPT01
Options	Michelin 400/70 R20 XMCL

## Performance

Drawbar Pull	57 kN	12,814 lbf
Boom Breakout Force	31 kN	6,969 lbf
Bucket Breakout Force	52 kN	11,690 lbf
Quick Coupler Rotation	145°	
Noise Levels		
In Cab	74 dB(A)	
External	106 dB(A)	
Towable Mass		
Hydraulically Braked	8000 kg	17,637 lb

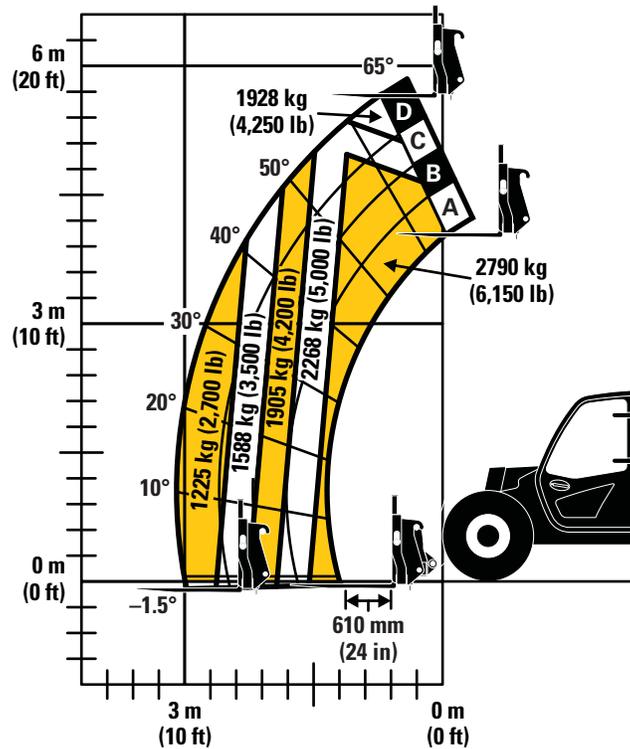


## Dimensions (All dimensions are approximate.)

<b>1</b> Overall Length to Front of Carriage	4400 mm	14.4 ft	<b>7</b> Overhang	920 mm	3.0 ft
<b>2</b> Overall Width (standard tires)	2100 mm	6.9 ft	<b>8</b> Cab Width	900 mm	3.0 ft
<b>3</b> Overall Height (standard tires)*	2250 mm	7.4 ft	<b>9</b> Machine Length	4400 mm	14.4 ft
<b>4</b> Wheelbase	2770 mm	9.1 ft	<b>10</b> Departure Angle	66°	
<b>5</b> Ground Clearance	390 mm	1.3 ft	<b>11</b> Maximum Fork Crowd Angle	24°	
<b>6</b> Track	1672 mm	5.5 ft	<b>12</b> Maximum Fork Dump Angle	121°	

\*Add 200 mm (7.9 in) for beacon.  
Add 40 mm (1.6 in) for top guard.

## 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. OSHA requires all rough terrain forklift operators be trained according to OSHA 29 CFR 1910.178 (1).

*Due to continuous product improvements, machine specifications and/or equipment changes may be made without prior notification. This machine meets or exceeds ANSI/ITSDF B56.6-2005 as originally manufactured for intended applications.*

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**Standard and Optional Equipment** (Standard and Optional equipment may vary. Consult your Cat dealer for details.)

	Standard	Optional		Standard	Optional
<b>Cab ROPS and FOPS</b>			<b>Tires</b>		
Reversing Camera	—	✓	Mitas MPT01 405/70 T20	✓	—
Reversing Sensors	—	✓	Michelin 400/70 R20 XMCL	—	✓
Large Electronic Display Screen	—	✓	<b>Tow Hitches</b>		
Sunscreen	✓	—	Retrieval Hitch	—	✓
Mechanical Suspension Seat with Seat Belt	✓	—	Hydraulic Pick Up Hitch	—	✓
Air Suspension Seat with Seat Belt	—	✓	EEC Manual Hitch	—	✓
Heated Air Suspension Seat with Seat Belt	—	✓	EEC Automatic Hitch	—	✓
Roof Wiper	✓	—	EEC Automatic Hitch with Piton	—	✓
Screen Guard	—	✓	Trailer Braking Valve	—	✓
Roof Guard	✓	—	<b>Quick Couplers</b>		
Heater/De-mister	✓	—	Manual Cat “IT” Interface	✓	—
Air Conditioning	—	✓	Hydraulic Cat “IT” Interface	—	✓
Engine Speed Set	✓	—	<b>Work Tools</b>		
Multi Function Joystick Controller with FNR	✓	—	Floating Fork Carriage	—	✓
Column Mounted FNR Lever	—	✓	ISO Class 3 Fixed Fork Carriage	—	✓
Front and Rear Windscreen Wipers	✓	—	Side Shift Carriage	—	✓
SAHR Parking Brake	✓	—	1 m <sup>3</sup> (1.3 yd <sup>3</sup> ) General Purpose Bucket	—	✓
<b>Electrical</b>			1.5 m <sup>3</sup> (1.95 yd <sup>3</sup> ) Rehandling Bucket	—	✓
1 × 12V 1,000 CCA Battery	✓	—	1.0 m <sup>3</sup> (1.3 yd <sup>3</sup> ) Multi Purpose Bucket	—	✓
Block Heater 110 Volt	—	✓	2.0 m <sup>3</sup> (2.6 yd <sup>3</sup> ) Grain Bucket	—	✓
Work Lights, 4 × Cab Mounted (2 front, 2 rear) 2 × Boom Mounted	—	✓	Grapple Bucket	—	✓
Product Link™ Ready, Version 641	—	✓	Muck Fork and Grapple	—	✓
Seven (7) Pin Trailer Service	—	✓	Bale Handler	—	✓
Reverse Alarm	✓	—	Sweeper Collector	—	✓
Rotating Beacon	—	✓			
<b>Other Equipment</b>					
Boom Brushes	✓	—			
Ride Control with Boom Float	—	✓			
Single Auxiliary Service to Boom Head	✓	—			
2 <sup>nd</sup> Auxiliary Service to Boom Head	—	✓			
Auxiliary Service to Rear	—	✓			
Rear Hitch Mirror, Flat	—	✓			
Rear Hitch Mirror, Convex	—	✓			
Tool Box	—	✓			

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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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