



MEC Telescopic Handlers

TH60/TH80

- **Net Horsepower:**
100 hp (74.5 kW)
4-cylinder turbo diesel engine
- **Lift Capacity:**
TH60: 6,000 lbs. (2722 kg)
TH80: 8,000 lbs. (3629 kg)
- **Lift Height:**
TH60: 41.5 ft. (12.6 m)
TH80: 41.5 ft. (12.6 m)
- **Maximum Working Incline:**
35°
- Excellent front and lateral stability. Rear axle lock engages when lifting a load above 40°, but remains free when going over rough terrain.
- High capacity 32 gallon (120 L) fuel tank on left side of machine can be filled at ground level.
- Closed center, flow-sharing, load sensing, control valve.
- Three-stage, four-plate robotically welded boom design with single lift cylinder and high density wear pads.
- Adapter plate for use with skid steer loader attachments.
- Manual quick coupler attachment bracket.
- Armrest-mounted dual axis joystick with thumb-controlled proportional roller to control boom extension, boom lift and fork tilt.
- Multi-position suspension seat with retractable seat belt.
- Forward and reverse direction lever is integral with gear selector and horn.
- Optional tilting steering column with foot adjustment.
- Powershift transmission with electrically-operated control offers four forward and three reverse gears and provides full power while shifting
- Wide roof opening for clear view of load and boom.
- Air, oil, hydraulic, and fuel filters with water separator fully accessible from right side of machine with hood raised.
- All electrical connections are waterproof and meet the IP66 standard.
- Main control valve at rear of the machine has diagnostic pressure test points.

The TH60/TH80 In Detail

Engine

Model	Deutz D4D 2012 BF4M
Maximum Torque	390 Nm@1,500 rpm
Displacement	246.4 cu. in. (4.0 liter)
Horsepower	100 hp (74.5kW)
RPM	2,500

Electrical System

Alternator	95 amp
Battery	12 volt, 900 CCA

Transmission

1st gear speed	3.1 mph (5.1 kph)
2nd gear speed	6.8 mph (11 kph)
3rd gear speed	13.7 mph (22 kph)
4th gear speed	21.1 mph (34 kph)
Forward and reverse	4 forward/3 reverse

Steering

Load sensing, fully powered orbital steering. Three steering modes - front only, four wheel and crab.

Axles

Planetary drive and steer axles with high bias - limited slip differential and internal wet disc brakes.

Boom

Automatic fork leveling. Telescopic 3-stage welded box section, 3-section fully synchronized slide boom. Replaceable high density wear pads.

Brakes

4 wheel inboard internal wet disc brakes with internal SAHR (spring-applied, hydraulically-released) parking brake.

Tire Options

Standard	13:00 x 24 16PR
Optional	15.5-25 12 PR
Optional foam fill for both sizes.	

Filtration

Air Cleaner Self cleaning, dual element
Replaceable element-type fuel filter and water separator.

Controls

Arm rest mounted, dual axis joystick with thumb controlled proportional roller for boom functions and single axis joystick for frame tilt function.

Hydraulic System

Horsepower	47 hp
Capacity	32 gpm
Controls	Pilot operated joystick
Type	Closed center, flow-sharing, load sensing



Specifications

Operating Specifications

Rated load capacity

TH60	6,000 lbs. (2722 kg)
TH80	8,000 lbs. (3629 kg)

Maximum lift height

	41.5 ft. (12.6 m)
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Load at max. height, no stabilizers

TH60	6,000 lbs. (2722 kg)
TH80	8,000 lbs. (3629 kg)

Load at max. height, stabilizers down

TH60	6,000 lbs. (2722 kg)
TH80	8,000 lbs. (3629 kg)

Maximum forward reach

	27 ft. 2 in. (8.3 m)
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Load at max. reach, no stabilizers

TH60	1,000 lbs. (454 kg)
TH80	1,825 lbs. (828 kg)

Load at max. reach, stabilizers down

TH60	3,000 lbs. (1361 kg)
TH80	4,000 lbs. (1814 kg)

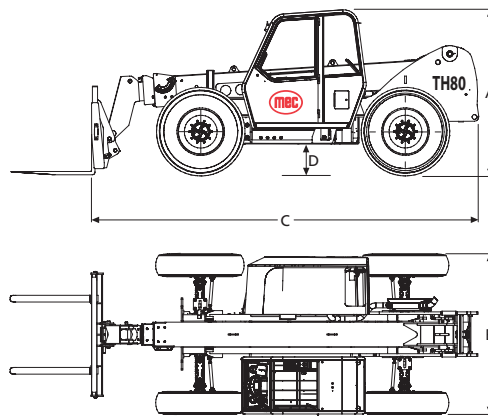
Top travel speed

	21.1 mph (34 kph)
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Max. reach below grade

	48 in. (1.2 m)
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Outside turning radius	12 ft. 10 in. (3.9 m)
Ground clearance	16.25 in. (41.3 cm)
Overall height	95.8 in. (2.4 m)
Overall width	95.7 in. (2.4 m)
Overall length	230.7 in. (5.8 m)
Weight	
TH60	19,180 lbs. (8700 kg)
TH80	21,385 lbs. (9700 kg)
Lift height	41.5 ft. (12.6 m)
Hydraulic oil capacity	40 gal. (151 L)
Fuel tank capacity	32 gal. (121 L)
Standard tires	13:00 x 24 16PR
Frame tilt to left or right	10°/10°



Dimensions

A) Height	95.8 in. (2.4 m)
B) Width	95.7 in. (2.4 m)
C) Length to Fork Face	230.7 in. (5.8 m)
D) Ground Clearance	16.25 in (41.3 cm)

Standard Equipment

Engine

Deutz D4D 2012 BF4M

Cab

Heating, defrosting, de-icing system with four adjustable ducts. Multi-position suspension seat. Dome light. Armrest mounted joystick. Lockable storage under seat. Storage area behind seat. Load charts. ROPS/FOPS certified. Rubber floor mat. Single key for all locks. Laminated front, top windows. Left and right rear view mirrors.

Axle

Final reduction in wheel hubs by a four pinion outboard planetary drive.

Transmission

Powershift transmission with 4 speeds forward, 3 speeds reverse.

Brakes

Multi-plate, oil immersed, power assisted, self adjusting internal disc brakes with four wheel braking. Six discs per axle. Internal front axle parking brake engages when engine is shut off. Fully powered brake valve with accumulator back-up.

Electrical system

95 amp alternator and 12 volt, 900 CCA battery. Sealed switches.

Instrumentation and Controls

Fuel gauge, hour meter, tachometer.

Hydraulic System

Dual axis joystick. 32 gpm system capacity. Closed center, flow-sharing, load sensing, control valve.

Safety

Horn and backup alarm. Lockable hydraulic access door.

Optional Equipment

Operator's Area

Cab enclosure with heater and defroster. Tilt steering with foot adjustment. Windshield wiper and washer.

Electrical

Roadway light package. Work light packages. Complete road lights.

Engine

Cold start package.

Hydraulics

Auxiliary hydraulic circuit.

Attachments

Carriage – 48" (122 cm)
 Carriage – 60" (152 cm)
 Carriage – 72" (183 cm)
 48" Tilt Carriage (122 cm)
 60" Tilt Carriage (152 cm)
 72" Tilt Carriage (183 cm)
 52" Side Shift Carriage (132 cm)
 54" Swing Carriage (137 cm)
 72" Swing Carriage (183 cm)
 Pallet Fork 2 x 4 x 48 (set of two)

Pallet Fork 2 x 4 x 60 (set of two)
 Pallet Fork 2 x 4 x 48 (set of two)
 Block Fork 2 x 2 x 48 (set of two)
 Lumber Fork 1.75 x 48 (set of two)
 Lumber Fork 1.75 x 60 (set of two)
 Fork 2 x 5 x 48 (set of two)
 Fork 2 x 5 x 60 (set of two)

Other

Front and rear fenders.
 Front stabilizers.



MEC Telehandlers

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Meets or exceeds ASME B56.6-2002 as originally manufactured for intended applications. Specifications subject to change without notice. Photos and diagrams in this brochure are for illustrative purposes only. Contact your MEC distributor for detailed instructions on the proper use and maintenance of this equipment.

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