

TMX

12/15S/15/17/20/25

ELECTRIC 36 or 48 VOLT
2500 / 3000 / 3000 / 3500 / 4000 / 5000 lbs.
(1250 / 1500 / 1500 / 1750 / 1815 / 2270 kg)



CLARK[®]
THE FORKLIFT



- The low overhead guard height facilitates **easier trailer access** while providing the operator ample headroom.

- Rear posts add support to the overhead guard and help prevent objects from entering the operator compartment, keeping your employees as **safe** as possible.

- The **low step height** means frequent entry and exit is easy and less tiring for the operator.



Highly Maneuverable, Easily Serviceable, Broadly Flexible, Extremely Dependable

The TMX continues the evolution of CLARK's exclusive three-wheel design with the **efficiency, low maintenance** and power of a **100% AC System**. This rugged yet comfortable design delivers superior capacities and the **quality, dependability** and **maneuverability** you've come to expect from CLARK – the inventor of the three-wheel forklift.

20 Million

The CLARK-designed drive axle incorporates spiral bevel and helical gear sets which provide quiet, dependable operation. This proven design has over 20 million field hours in heavy-duty applications.

- Nested Upright Rails & Overhead Guard Safety Bars (running parallel to operator's line of sight) expand the vision window, **reduce product damage** and decrease pick times.

Maximum Visibility + Minimum Fatigue =
Ultimate Safety & Product Integrity



TMX STANDARD FEATURES & BENEFITS



PROVEN DRIVE AXLE

■ Quiet, Dependable Operation

- Drive axle incorporates spiral bevel and helical gear sets.
- Design has over 20 million field hours in heavy duty applications.



PROVEN STEER AXLE

■ Added Strength

- The standard single-tire steer axle and an optional dual-tire steer axle are made from high strength cast steel and heat treated for additional strength.



100% AC SYSTEM

■ Fewer Parts & Minimum Wear = Less Downtime and Cost = Higher ROI

- Enclosed • Brushless • Thermal protection
- Stall protection • Smart lift lock out
- One motor for both steering & hydraulics.

■ No Brushes To Change or Commutator to Turn...Ever

■ Heavy-Duty, High Torque Drive Motors

- Produce twice the draw bar pull of some competitors.
- Climb grades previously limited to IC trucks.

■ Increased Runtime

- The standard compartment of the TMX15/17/20/25 accommodates a 1240 AH battery with an optional compartment available for a full 1550 AH battery.
- TMX AC runs 13% longer than its DC equivalent.

Standard Equipment

- Electric horn
- Overhead guard with 2 rear posts
- High visibility, durable capacity plate instructions/warning labels
- Rip-resistant operator manual is attached to back of seat
- Single auxiliary hydraulic valve
- 48 in. (1220 mm) high load backrest
- High visibility CLARK green finish w non-glare black trim

Available Equipment

- Mirrors
- 48 volt option
- Dual steer tires
- Operating lights
- Strobes and audible alarms
- Unitrol, foot operated directional control
- Cold storage protection
- UL type EE construction
- Overhead guard for drive-in type rack



FULLY ADJUSTABLE/PROGRAMMABLE

- A properly trained mechanic can completely customize parameters to operator's preference such as acceleration rate, deceleration rate, maximum speed (separate forward and reverse).



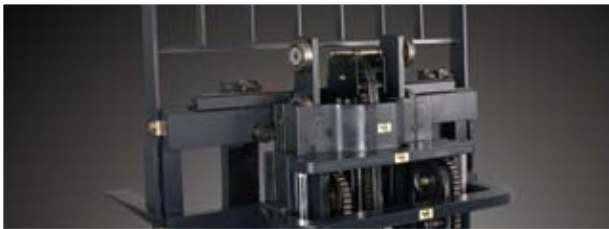
STANDARD HYDRAULIC PUMP CONTROL

■ Fully Proportional

- Lift speed is fully proportional to lift lever position.

■ Programmable Speeds

- Tilt and aux functions run at programmable fixed speeds.



RUGGED UPRIGHT AND CARRIAGE

■ Maximum Visibility

- Nested I-Channel allows space for cylinders, hoses and chains.

■ Hydraulic Cushioning Valves

- Silent staging reduces shock & vibration.

■ Shimmable, Sealed & Canted Load Rollers

- Carriage has 6 load rollers.
- Maximize load distribution & reduce free play.



TRACTION CONTROL

■ Fully Programmable

- Up to 20 performance parameter settings such as acceleration, creep speed, and regen braking rate can be adjusted to meet your requirements.

■ Speed Limiting

- Maximum travel speed can be programmed to your requirements and if necessary, forward and reverse can be set independently.

■ Controlled Descent

- When the controller senses movement but no accelerator pedal input, it signals the drive motors to apply counter torque allowing the truck to slowly descend an incline in a controlled manner.

■ Ramp Start

- Added torque limits roll back when starting on an incline.



OPERATOR COMPARTMENT

■ Easy Entry/Exit

- Steel grab handle and a low step height allow for easy entry/exit from either side.

■ Fully Adjustable Seat

- 2.4" Vertical travel • 20° Backrest adjustment range
- 6" fore / aft adjustment • Contoured for support
- Non-cinching, retractable seat belt

■ Cowl Mounted Hydraulic Controls

- Located and sized for ease of use.

■ High Pivot Steer Column

- Prevents interfering with operator's knees.

GENERAL DATA & STANDARD DIMENSIONS

Upright Table

| | Maximum Fork Height | | Overall Height Lowered | | Free Lift** | |
|-------------------------------------|---------------------|------|------------------------|-----|-------------|----|
| | in | mm | in | mm | in | mm |
| TMX 12/15S/15/17/20 Standard | | | | | | |
| 100 | 2540 | 72.5 | 1842 | 4.3 | 109 | |
| 110 | 2794 | 77.5 | 1969 | 4.3 | 109 | |
| • 121 | 3073 | 83 | 2108 | 4.3 | 109 | |
| 129 | 3277 | 87 | 2210 | 4.3 | 109 | |
| 143 | 3632 | 94 | 2388 | 4.3 | 109 | |
| Hi-Lo | | | | | | |
| 115 | 2921 | 77.5 | 1969 | 53 | 1346 | |
| • 126 | 3200 | 83 | 2108 | 59 | 1500 | |
| 150 | 3810 | 95.5 | 2425 | 71 | 1803 | |
| Triple Stage | | | | | | |
| 156 | 3971 | 72.5 | 1840 | 48 | 1219 | |
| 171 | 4346 | 77.5 | 1965 | 53 | 1355 | |
| • 188 | 4781 | 83 | 2110 | 59 | 1500 | |
| 204 | 5184 | 89 | 2260 | 65 | 1650 | |
| 219 | 5565 | 95.5 | 2420 | 71 | 1803 | |
| 237 | 6017 | 103 | 2609 | 78 | 2004 | |
| Quad† | | | | | | |
| 222.5 | 5652 | 78.5 | 1994 | 53 | 1346 | |
| • 240.5 | 6109 | 83 | 2108 | 57 | 1448 | |
| 258.5 | 6566 | 89 | 2261 | 63 | 1600 | |
| 270.5 | 6871 | 93.5 | 2375 | 70 | 1778 | |

TMX 25 Standard

Same as TMX 12-20 listed above

Hi-Lo

Same as TMX 12-20 listed above

Triple Stage

Same as TMX 12-20 listed above

Quad†

Same as TMX 12-20 listed above

- Indicates preferred standard sizes. For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height. Other uprights available, contact a Clark representative.

** All free lift dimensions shown without standard 48 in. (1220 mm) high load backrest.

† Length to face of fork, RAS and turning radius increase 4 in. with quad installation. Wide drive (45.2" OAW) required with quad uprights taller than 222.5".

Dimensions with Optional Battery Compartment

Compartment Size

38.8 in W x 25.0 in. L x 31.0 in H
986 mm W x 635 mm x 787 mm H

| | TMX 15 | TMX 17 | TMX 20 | TMX25 |
|--------------------------------------|-----------|------------|------------|-----------|
| Length to fork face (in/mm) | 80.9 2055 | 80.9 2055 | 80.9 2055 | 80.9 2055 |
| Turning radius (in/mm) | 64.1 1628 | 64.1 1628 | 64.1 1628 | 65.9 1674 |
| Right angle aisle (in/mm) | 78.5 1994 | 78.5 1994 | 78.5 1994 | 80.4 2042 |
| Service wt., TSU upright (lb/kg) | 8006 3631 | 8332 3779 | 8906 4040 | 9919 4499 |
| Axle loading w/ load, front (lb/kg) | 9601 4355 | 10444 4737 | 11263 5109 | 129035853 |
| Axle loading w/ load, rear (lb/kg) | 1405 637 | 1388 630 | 1643 745 | 2016 914 |
| Axle loading w/o load, front (lb/kg) | 4580 2077 | 4587 2081 | 4570 2073 | 4513 2047 |
| Axle loading w/o load, rear (lb/kg) | 3426 1554 | 3745 1699 | 4336 1967 | 5406 2452 |
| Max. capacity (6 hr. rate) (kWh) | 53.8 | 53.8 | 53.8 | 53.8 |
| Weight, minimum (lb/kg) | 2500 1134 | 2500 1134 | 2500 1134 | 2500 1134 |
| Grade clearance (A%) | 14.30% | 14.30% | 14.30% | 14.30% |

Battery Compartment Dimensions

| | Width (W) in mm | Length (L) in mm | Height (H) in mm |
|------------------------|--------------------|---------------------|---------------------|
| TMX 12/15S | 38.8 986 | 13.75 349 | 31.0 787 |
| TMX 15/17/20/25 | 38.8 986 | 20.5 521 | 31.0 787 |
| | 38.8 986 | 25.0* 635 | 31.0 787 |

Battery Termination: A-18

* Optional - Increases OAL, RAS, and turning radius; see chart

Tilt Specifications

| Upright MFH (in / mm) | Tilt -B° / F° |
|------------------------------------|---------------|
| thru 151 (3835 mm) | 8° / 6° |
| 152 (3860 mm) thru 240.5 (6109 mm) | 5° / 3° |
| 241 (6121 mm) and over | 3° / 0° |

* Standard tilt with MFH's noted. Contact Clark representative for information on optional tilt.

Grade Clearance*

| TMX 12/15S (13.75 BC) | A% |
|----------------------------|------|
| 35.6 | |
| TMX 15/17/20/25 (20.5 BC) | 31.2 |
| TMX 15/17/20/25 (25.22 BC) | 28.6 |

Notes

Performance may vary +5% and -10% due to motor and systems efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions of a standard machine.

ANSI/ITSDF and Insurance Classification

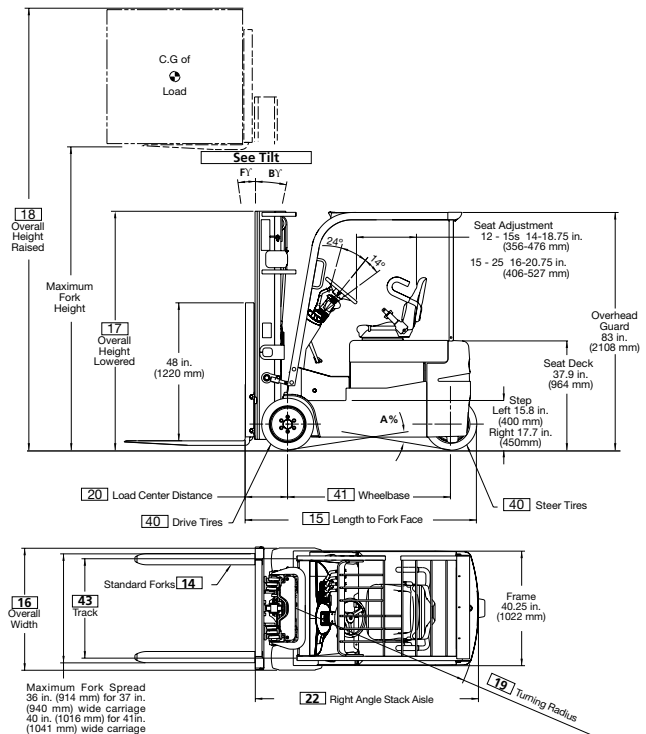
Standard truck meets all applicable mandatory requirements of Part III-ANSI/ITSDF B56.1 Safety Standard for Powered Industrial Trucks (latest edition at time of manufacture) and Underwriters Laboratories requirements as to fire and electrical shock hazard only for "E" classification. For further information contact a Clark representative.

Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your authorized CLARK forklift truck dealer for further information including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements.

Specifications, equipment, technical data, photos and illustrations are based on information at time of printing and are subject to change without notice. Some products may be shown with optional equipment.



For corresponding data see Specification Chart

STANDARD SPECIFICATIONS

| | | | | | | |
|----------------------------|-------------------------|--|--|-----------------------|--------------------------------|--------------------------------|
| General Information | 1 | Manufacturer | | Clark | Clark | |
| | 2 | Model | Manufacturer's Designation | TMX12 | TMX15S | |
| | 3 | Load Capacity | lbs(kg) | 2500 (1250) | 3000 (1500) | |
| | 4 | Load Center | Fork Face to Load CG | in(mm) | 24 (500) | 24 (500) |
| | 5 | Power Unit | Electric | 36 volt / 48 volt | 36 volt / 48 volt | |
| | 6 | Operator Type | | Rider Counterbalanced | Rider Counterbalanced | |
| | 7 | Tire Type | Multi-tire | Cushion / Pneumatic | Cushion / Pneumatic | |
| | 8 | Wheels (x=driven) | Front/Rear | 2x / 1 | 2X / 1 | |
| Basic Dimensions | 9 | Upright ¹ | Maximum Lift Height, Full Capacity | in(mm) | 156 (3971) | 156 (3971) |
| | 10 | | Lift Height (Preferred Upright) | in(mm) | 188 (4781) | 188 (4781) |
| | 11 | | Freelift | in(mm) | 59 (1499) | 59 (1499) |
| | 12 | Upright Tilt | Back/Forward (Triple Stage Upright) | degrees | 5 / 3 | 5 / 3 |
| | 13 | Fork | Std. Fork Size (T x W x L) | in(mm) | 1.4 x 4 x 42 (35 x 100 x 1067) | 1.4 x 4 x 42 (35 x 100 x 1067) |
| | 14 | Carriage | Width of Carriage ⁵ | in(mm) | 37 (940) | 37 (940) |
| | 15 | Overall Dimensions | Length to Fork Face (TSU) ² | in(mm) | 69.5 (1765) | 69.5 (1765) |
| | 16 | | Width Over Tires ⁴ | in(mm) | 40.3 (1024) / 42.2 (1072) | 40.3 (1024) / 42.2 (1072) |
| | 17 | | Width Over Frame | in(mm) | 40.3 (1024) | 40.3 (1024) |
| | 18 | | Height, Upright Lowered | in(mm) | 83 (2108) | 83 (2108) |
| | 19 | | Height, Upright Extended | in(mm) | 236 (5994) | 236 (5994) |
| | 20 | | Height, Overhead Guard | in(mm) | 83 (2108) | 83 (2108) |
| | 21 | Step Height | Ground to Top of Floor Plate | in(mm) | 17 (432) / 19 (483) | 17 (432) / 19 (483) |
| | 22 | Head Clearance | Top of Floor Plate to Bottom of OHG | in(mm) | | |
| | 23 | Turning Radius | | in(mm) | 53.4 (1356) | 53.4 (1356) |
| | 24 | Load Center Distance | Center of Drive Axle to Fork Face ² | in(mm) | 14.4 (366) | 14.4 (366) |
| 25 | Right Angle Stack Aisle | Add Load Length and Clearance ² | in(mm) | 67.8 (1722) | 67.8 (1722) | |
| 26 | Battery Roller Height | Ground to Top of Rollers | in(mm) | | | |
| Performance | 27 | Stability | According to ANSI | Yes | Yes | |
| | 28 | Speeds | Travel Speed, Max, With Load | mph(kph) | 9.3 (15) | 9.3 (15) |
| | 29 | | Travel Speed, Max, Without Load | mph(kph) | 9.3 (15) | 9.3 (15) |
| | 30 | Lift Speeds, Loaded | Triple Stage Upright | fpm(mps) | 73 (.37) / 83 (.42) | 69 (.35) / 81 (.41) |
| | 31 | Lift Speeds, Unloaded | Triple Stage Upright | fpm(mps) | 104 (.53) / 118 (.60) | 104 (.53) / 118 (.60) |
| | 32 | Lower Speeds, Loaded | Triple Stage Upright | fpm(mps) | 86 (.44) / 86 (.44) | 86 (.44) / 86 (.44) |
| | 33 | Lower Speeds, Unloaded | Triple Stage Upright | fpm(mps) | 77 (.39) / 77 (.39) | 77 (.39) / 77 (.39) |
| Weights³ | 34 | Service Weight, TSU | W/Min Battery Weight | lbs(kg) | 7249 (3288) | 7908 (3588) |
| | 35 | Axle loading | With Load, Front | lbs(kg) | 8701 (4043) | 9594 (4467) |
| | 36 | | With Load, Rear | lbs(kg) | 1048 (496) | 1314 (620) |
| | 37 | | W/O Load, Front | lbs(kg) | 4114 (1866) | 4090 (1855) |
| | 38 | | W/O Load, Rear | lbs(kg) | 3135 (1422) | 3818 (1732) |
| Chassis | 39 | Tires | Number, Front/Rear | | 2 / 1 | 2 / 1 |
| | 40 | | Size, Front | in | 18X7X12.12 / 18X7-8 16PR6 | 18X7X12.12 / 18X7-8 16PR6 |
| | | | Size, Rear | in(mm) | 18X7X12.12 / 18X7-8 16PR6 | 18X7X12.12 / 5.00x8-4.505,6 |
| | 41 | Wheelbase | | in(mm) | 46.0 (1168) | 46.0 (1168) |
| | 42 | Track | Front, Cushion | in(mm) | 33.3 (846) | 33.3 (846) |
| | 43 | | Front, Pneumatic | in(mm) | 33.9 (861) | 33.9 (861) |
| | 44 | Ground Clearance | Min w/Load ⁶ | in(mm) | 3.25 (83) | 3.25 (83) |
| | 45 | | At Center of Wheelbase, Loaded | in(mm) | 4.1 (104) | 4.1 (104) |
| | 46 | Service Brake | Type | | Disc | Disc |
| 47 | Parking Brake | Type | | Hand lever actuated | Hand lever actuated | |
| | Steering | Type | | Hydrostatic | Hydrostatic | |
| Drive Line | 48 | Battery | Type | | Lead-Acid | Lead-Acid |
| | | | Max Capacity (6 hr. Rate) | kWh | 27.0 | 27.0 |
| | | | Weight, Min | lbs(kg) | 1650 (749) | 1650 (749) |
| | 49 | Motors, Controls | Drive Motor, Diameter (Dual) | in(mm) | 7.9 (201) | 7.9 (201) |
| | | | Hydraulic Motor, Diameter | in(mm) | 6.7 (170) | 6.7 (170) |
| | | | Drive Motor Control | | Inverter | Inverter |
| | | Speed Control | | Solid State | Solid State | |
| | | Hydraulic Motor Control | | Inverter | Inverter | |
| 57 | Hydraulic Pressure | | | Adjustable | Adjustable | |
| 58 | Sound Level | Avg. at Operator's Ear Per ANSI B56.11.5 | dB(A) | 70 | 70 | |

- Notes: 1 See upright table for other available uprights.
2 Dimensions are for TSU uprights: add the following (with 1.5in. thick forks) for other uprights: 3.14 for Quad, 0.1in. for STD and 2.37in. for HiLo uprights.
3 Specifications are given with preferred triple stage upright and minimum battery weight.

- We don't just build forklifts. As a company, we are also focused on providing our customers with the best possible technical service support and aftermarket parts available.
- Even though our business starts with a quality, cost-effective product, our organization understands that it is the support and services we provide after the sale that help keep your business running at peak efficiency.
- **THE CLARK PartsPRO® SYSTEM** is our industry-leading electronic parts and service documentation tool that provides dealers with a quick and accurate method of identifying parts for every CLARK forklift built since 1961. PartsPRO® ensures the availability of the most current technical information and has the unique capability to create parts manuals specific to your mixed CLARK fleet, making it simple to positively identify and order the correct part(s) from your local CLARK dealer. The right CLARK part — The First Time, Every Time.
- **UNRIVALED PARTS SUPPORT** Our Aftermarket Distribution Center provides parts to over 250 North American CLARK dealers and many international dealers. This CLARK operated 184,000 square foot facility is dedicated to supporting the CLARK models built over the last 90 years. This facility is focused on providing excellent off-the-shelf availability, quality parts, quick response time and competitive pricing.

DEPENDABLE PARTS = DEPENDABLE TRUCKS

To Find Your Nearest Authorized CLARK Dealer, Visit Our Website www.clarkmhc.com



BUILT TO LAST.®



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